Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
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(A) Not in ICV.

**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | 6995.439 | 9431.521 | 1.00 | 1.09 | 9.271 | 7.6 | 76.3 | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 1945.537 | 1.00 | | | | (A) | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 14722.868 | 1.00 | | | | | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | 8175.846 | 14722.868 | 1.00 | 2.06 | 6.941 | 7.8 | 77.7 | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | 2176.729 | 1945.537 | 1.00 | 2.37 | 13.985 | 6.3 | 71.1 | NO | 2.900 | NO |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | 3883.697 | 3062.697 | 1.00 | 2.80 | 15.851 | 6.8 | 73.0 | NO | 1.772 | NO |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 9431.521 | 12619.796 | 1.00 | 1.09 | 9.342 | 12.6 | 101.1 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1945.537 | 1669.726 | 1.00 | 2.37 | 14.565 | 13.0 | 104.1 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 14722.868 | 28263.736 | 1.00 | 2.06 | 6.511 | 12.6 | 100.4 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 14722.868 | 28263.736 | 1.00 | 2.06 | 6.511 | 12.6 | 100.4 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1945.537 | 1669.726 | 1.00 | 2.37 | 14.565 | 13.0 | 104.1 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 3062.697 | 1669.726 | 1.00 | 2.80 | 22.928 | 13.4 | 107.5 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | 16690.457 | 11285.376 | 1.00 | 2.89 | 7.395 | 8.3 | 82.9 | NO | 16.731 | NO |
| 15 | 8 | PFPeS | 349.1>80.1 | 1749.444 | 1945.537 | 1.00 | 3.10 | 11.240 | 7.3 | 73.4 | NO | 1.513 | NO |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 1851.142 | 1.00 | | | | (A) | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 12820.763 | 1.00 | | | | | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | 10378.926 | 12820.763 | 1.00 | 3.52 | 10.119 | 8.0 | 80.3 | NO | 10.540 | NO |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 12820.763 | 1.00 | | | | (A) | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 11285.376 | 28263.736 | 1.00 | 2.89 | 4.991 | 5.1 | 102.2 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1945.537 | 1669.726 | 1.00 | 2.37 | 14.565 | 13.0 | 104.1 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 1851.142 | 28263.736 | 1.00 | 3.10 | 0.819 | 5.8 | 115.6 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 12820.763 | 28263.736 | 1.00 | 3.51 | 5.670 | 12.5 | 100.2 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 12820.763 | 28263.736 | 1.00 | 3.51 | 5.670 | 12.5 | 100.2 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 12820.763 | 28263.736 | 1.00 | 3.51 | 5.670 | 12.5 | 100.2 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 1855.211 | 3619.546 | 1.00 | 3.68 | 6.407 | 6.7 | 73.1 | NO | 2.100 | NO |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 4337.801 | 2264.919 | 1.00 | 3.99 | 23.940 | 7.7 | 80.8 | NO | 2.174 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 20839.303 | 22539.426 | 1.00 | 4.05 | 11.557 | 8.0 | 80.4 | NO | 3.767 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 22539.426 | 1.00 | | | | (A) | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 2130.938 | 4187.431 | 1.00 | 4.17 | 6.361 | 7.3 | 76.6 | NO | 1.947 | NO |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 24597.039 | 1.00 | | | | (A) | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 3619.546 | 1669.726 | 1.00 | 3.68 | 27.097 | 13.1 | 104.9 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 2264.919 | 4354.951 | 1.00 | 3.99 | 6.501 | 12.1 | 96.9 | NO | | |

VCat 7/29/19

AM 8/2/19

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**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 22539.426 | 34161.199 | 1.00 | 4.05 | 8.247 | 12.1 | 97.1 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 22539.426 | 34161.199 | 1.00 | 4.05 | 8.247 | 12.1 | 97.1 | NO | | |
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4187.431 | 4354.951 | 1.00 | 4.60 | 12.019 | 12.3 | 98.6 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 24597.039 | 22383.785 | 1.00 | 4.50 | 13.736 | 13.8 | 110.7 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | 18232.764 | 24597.039 | 1.00 | 4.51 | 9.266 | 7.9 | 78.7 | NO | 4.386 | NO |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 4914.899 | 7482.947 | 1.00 | 4.57 | 8.210 | 7.8 | 77.6 | NO | 28.268 | NO |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 2603.942 | 4187.431 | 1.00 | 4.60 | 7.773 | 7.2 | 77.6 | NO | 2.035 | NO |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 4187.431 | 1.00 | | | | (L) | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 20330.020 | 24934.830 | 1.00 | 4.90 | 10.192 | 8.1 | 80.9 | NO | 5.677 | NO |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 3077.047 | 2488.154 | 1.00 | 4.86 | 15.458 | 7.2 | 75.0 | NO | 1.272 | NO |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 24597.039 | 22383.785 | 1.00 | 4.50 | 13.736 | 13.8 | 110.7 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 7482.947 | 37617.988 | 1.00 | 4.57 | 2.486 | 11.7 | 93.9 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4187.431 | 4354.951 | 1.00 | 4.60 | 12.019 | 12.3 | 98.6 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4187.431 | 4354.951 | 1.00 | 4.60 | 12.019 | 12.3 | 98.6 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 24934.830 | 32128.398 | 1.00 | 4.90 | 9.701 | 11.8 | 94.1 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2488.154 | 4354.951 | 1.00 | 4.86 | 7.142 | 12.7 | 101.6 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 1954.539 | 4187.431 | 1.00 | 4.96 | 5.835 | 8.0 | 83.3 | NO | 1.739 | NO |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 8649.637 | 6256.574 | 1.00 | 5.06 | 17.281 | 8.6 | 85.8 | NO | 2.683 | NO |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 7741.378 | 7810.335 | 1.00 | 5.22 | 12.390 | 10.1 | 101.5 | NO | 1.571 | NO |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 19153.607 | 32185.074 | 1.00 | 5.23 | 7.439 | 8.0 | 80.0 | NO | 9.074 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | 2490.036 | 2488.154 | 1.00 | 5.28 | 12.509 | 7.0 | 72.9 | NO | 1.741 | NO |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 32001.730 | 1.00 | | | | (L) | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4187.431 | 4354.951 | 1.00 | 4.60 | 12.019 | 12.3 | 98.6 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 6256.574 | 37617.988 | 1.00 | 5.05 | 2.079 | 11.6 | 92.8 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 7810.335 | 37617.988 | 1.00 | 5.21 | 2.595 | 11.7 | 93.6 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 32185.074 | 37617.988 | 1.00 | 5.23 | 10.695 | 12.0 | 96.0 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2488.154 | 4354.951 | 1.00 | 4.86 | 7.142 | 12.7 | 101.6 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 32001.730 | 32128.398 | 1.00 | 5.52 | 12.451 | 11.9 | 95.4 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | | 2488.154 | 1.00 | | | | (A) | NO | | |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 22171.254 | 32001.730 | 1.00 | 5.52 | 8.660 | 7.9 | 78.6 | NO | 8.428 | NO |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 16595.324 | 1.00 | | | | (A) | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

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**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 22733.893 | 32001.730 | 1.00 | 5.78 | 8.880 | 7.5 | 75.0 | NO | 22.415 | NO |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 22877.248 | 1.00 | | | | | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 21214.992 | 22877.248 | 1.00 | 6.01 | 11.592 | 8.0 | 79.6 | NO | 15.156 | NO |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 32001.730 | 32128.398 | 1.00 | 5.52 | 12.451 | 11.9 | 95.4 | NO | | |
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 32001.730 | 32128.398 | 1.00 | 5.52 | 12.451 | 11.9 | 95.4 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 16595.324 | 37617.988 | 1.00 | 5.71 | 5.514 | 139.8 | 93.2 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 32001.730 | 32128.398 | 1.00 | 5.52 | 12.451 | 11.9 | 95.4 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 22877.248 | 37617.988 | 1.00 | 6.01 | 7.602 | 12.0 | 95.7 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 22877.248 | 37617.988 | 1.00 | 6.01 | 7.602 | 12.0 | 95.7 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 19663.537 | 1.00 | | | | | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | | 11575.642 | 1.00 | | | | | NO | | |
| 81 | 44 | PFODA | 913.1 > 868.8 | | 11575.642 | 1.00 | | | | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | 6.452 | 14124.049 | 1.00 | 6.54 | 0.069 | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 14335.820 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 12619.796 | 12619.796 | 1.00 | 1.09 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 19663.537 | 37617.988 | 1.00 | 6.15 | 6.534 | 142.4 | 94.9 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 11575.642 | 37617.988 | 1.00 | 6.37 | 3.846 | 4.8 | 96.0 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 11575.642 | 37617.988 | 1.00 | 6.37 | 3.846 | 4.8 | 96.0 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 14124.049 | 37617.988 | 1.00 | 6.34 | 4.693 | 135.6 | 90.4 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 14335.820 | 37617.988 | 1.00 | 6.49 | 4.764 | 133.8 | 89.2 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 28263.736 | 28263.736 | 1.00 | 2.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 34161.199 | 34161.199 | 1.00 | 4.05 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1669.726 | 1669.726 | 1.00 | 3.67 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 22383.785 | 22383.785 | 1.00 | 4.50 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 4354.951 | 4354.951 | 1.00 | 4.60 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 32128.398 | 32128.398 | 1.00 | 4.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 37617.988 | 37617.988 | 1.00 | 5.23 | 12.500 | 12.5 | 100.0 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

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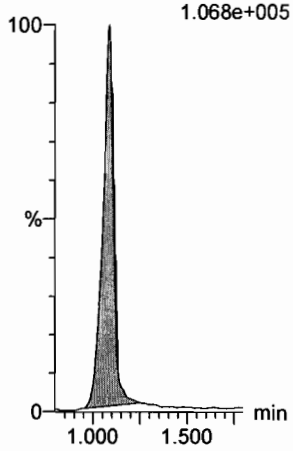
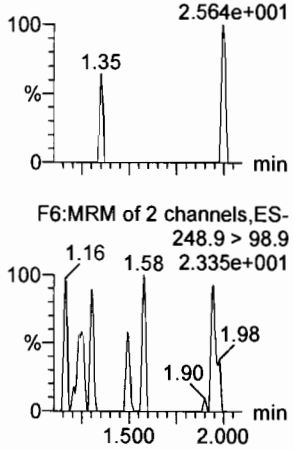
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072819_ICV.mdb 22 Jul 2019 13:39:56**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-28-19.cdb 28 Jul 2019 19:54:16**

**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

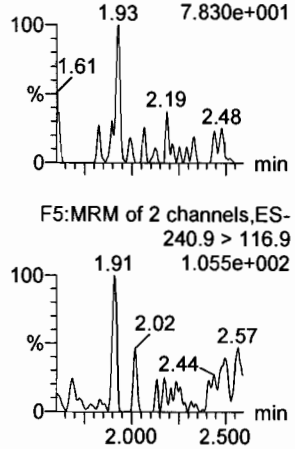
**PFBA**



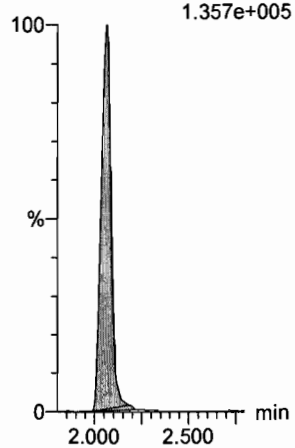

**PFPrS**



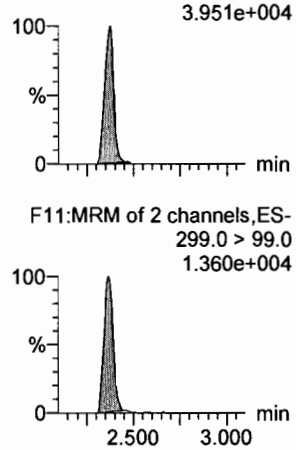

**3:3 FTCA**



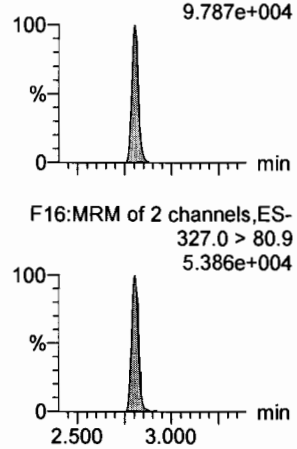

**PFPeA**



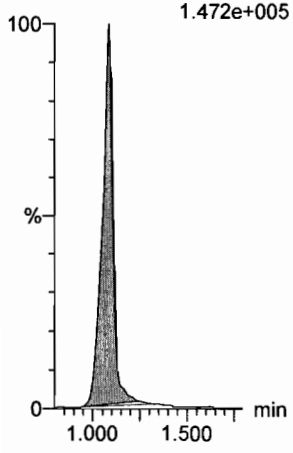

**PFBS**



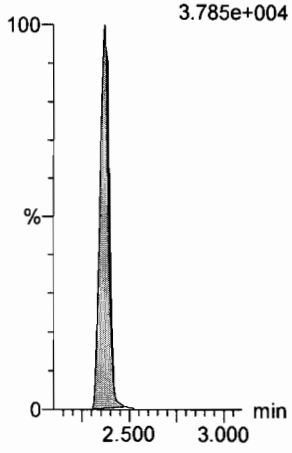

**4:2 FTS**



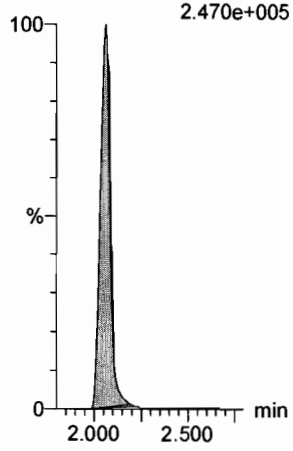

**13C3-PFBA**



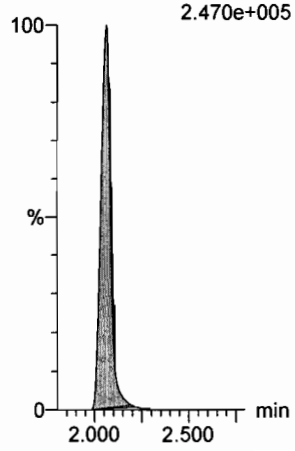

**13C3-PFBS**



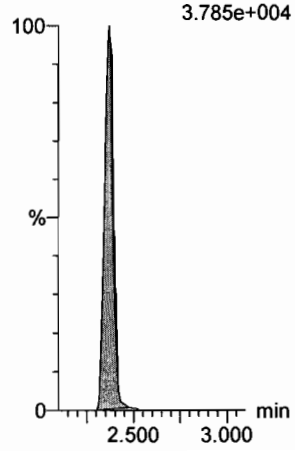

**13C3-PFPeA**



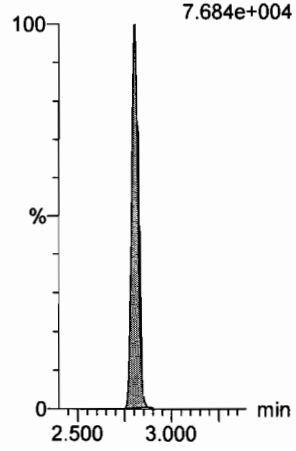

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**



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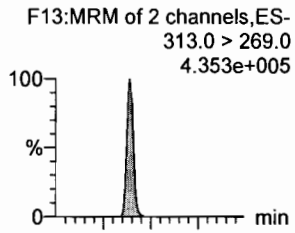
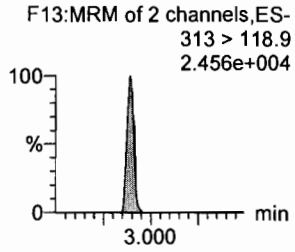
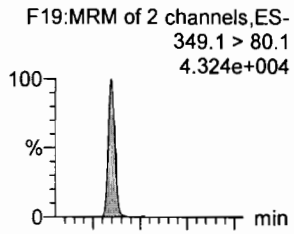
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

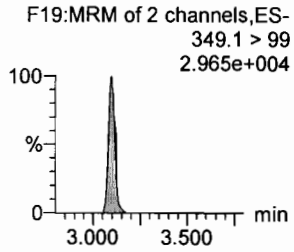
**PFHxA**



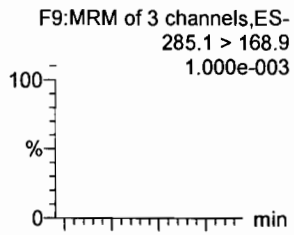



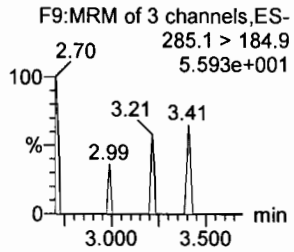

**PFPeS**



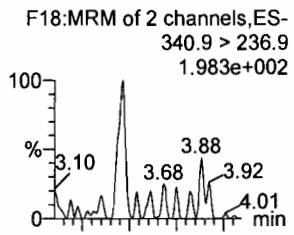



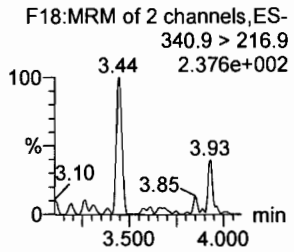

**HFPO-DA**



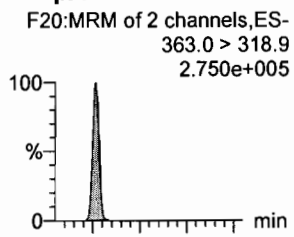



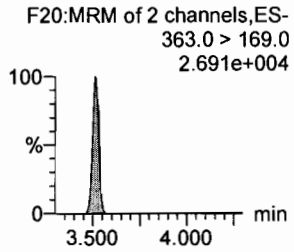

**5:3 FTCA**



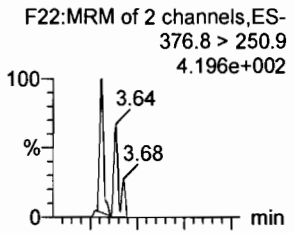



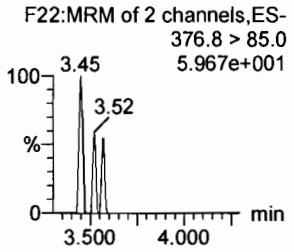

**PFHpA**



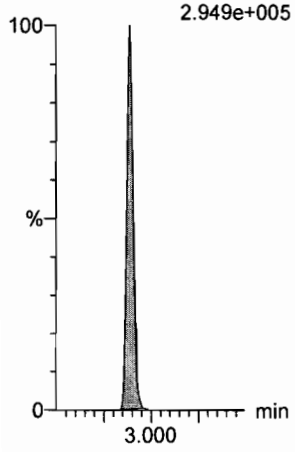




**ADONA**

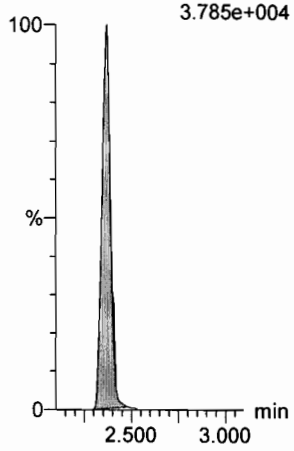


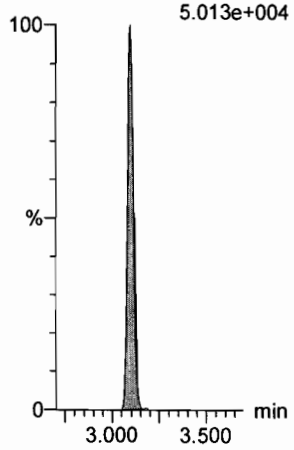

**13C2-PFHxA**



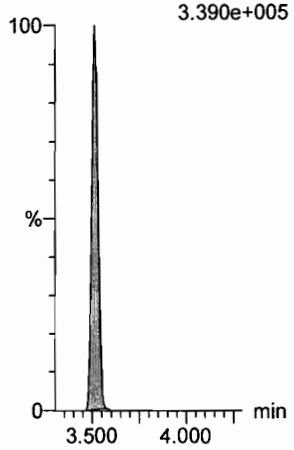

**13C3-PFBS**



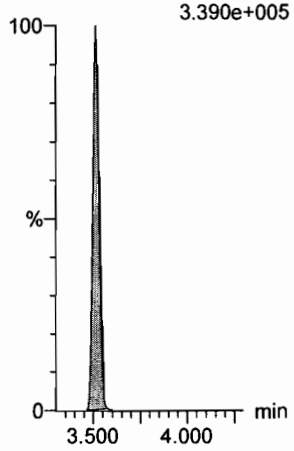

**13C3-HFPO-DA**



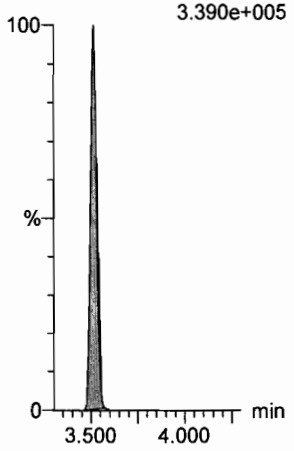

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

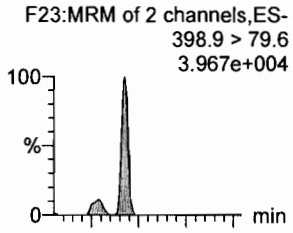


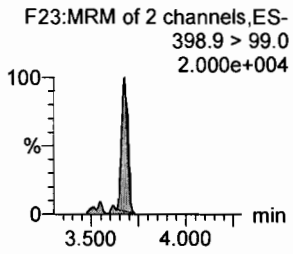
Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:03:19 Pacific Daylight Time

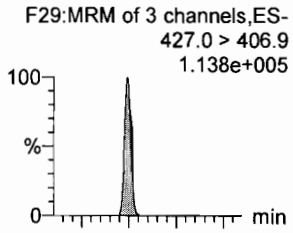
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

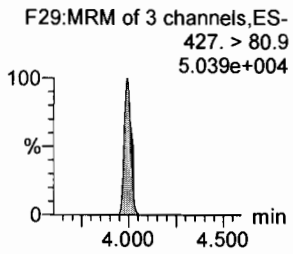
**L-PFHxS**



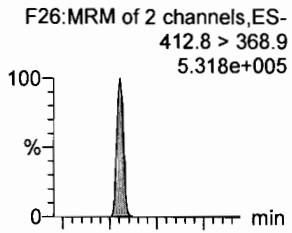



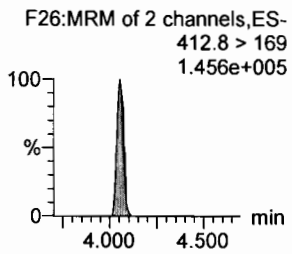

**6:2 FTS**



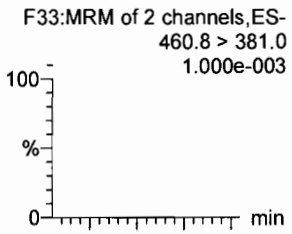



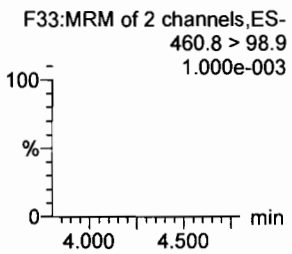

**L-PFOA**



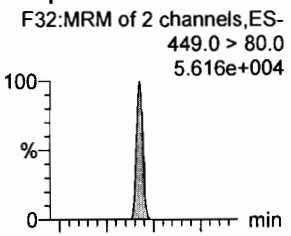



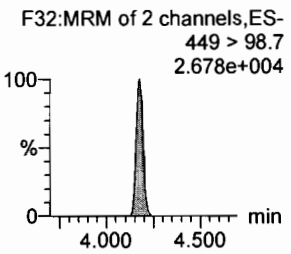

**PFEChS**



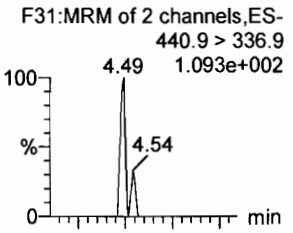



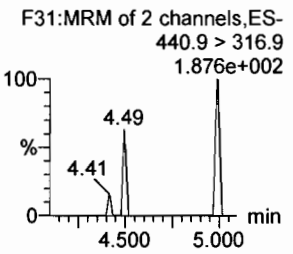

**PFHpS**



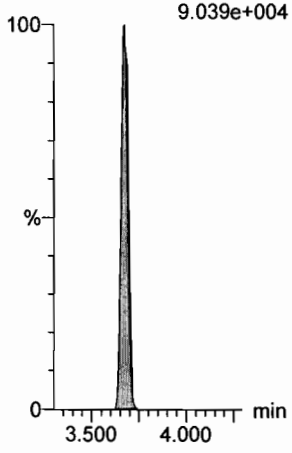




**7:3 FTCA**

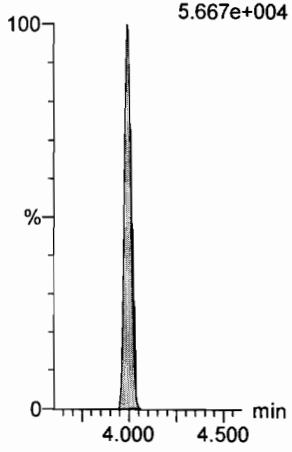


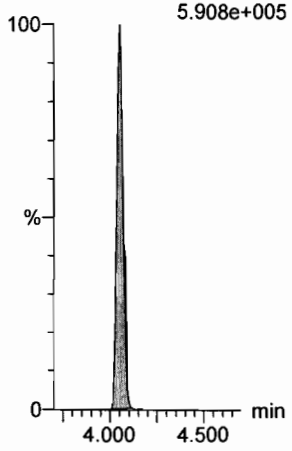

**13C3-PFHxS**



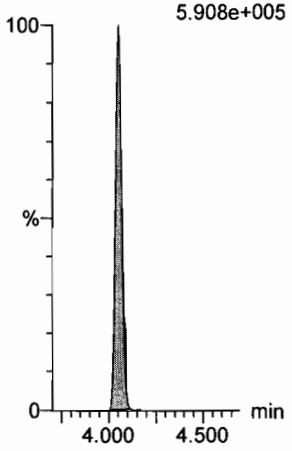

**13C2-6:2 FTS**



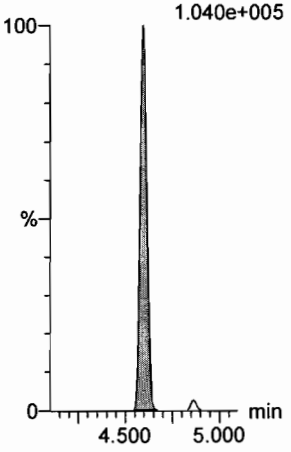

**13C2-PFOA**



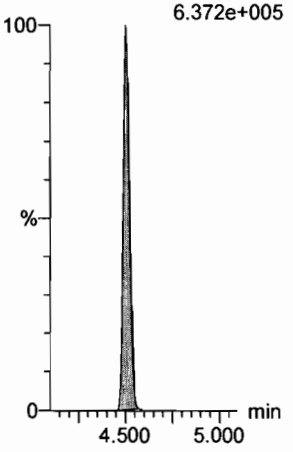

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

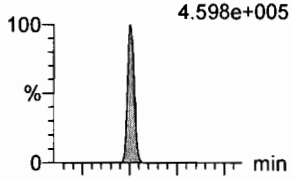


Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

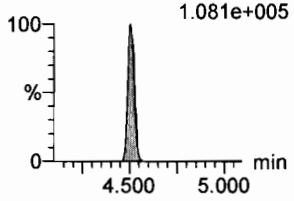
Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:03:19 Pacific Daylight Time

**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

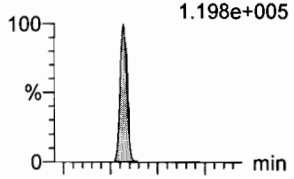
**PFNA**
F34:MRM of 2 channels,ES-
463.0 > 418.8
4.598e+005



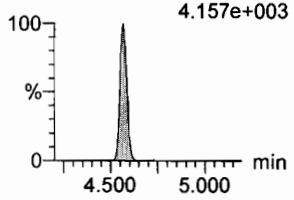
F34:MRM of 2 channels,ES-
463.0 > 219.0
1.081e+005



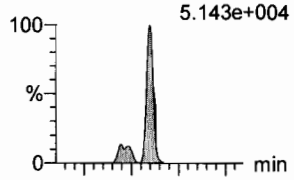
**PFOSA**
F37:MRM of 2 channels,ES-
497.9 > 77.9
1.198e+005



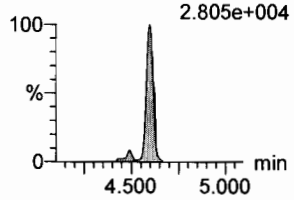
F37:MRM of 2 channels,ES-
497.9 > 168.9
4.157e+003



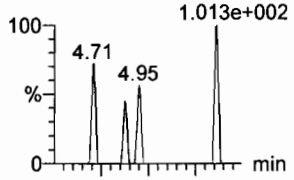
**L-PFOS**
F39:MRM of 2 channels,ES-
498.9 > 79.9
5.143e+004



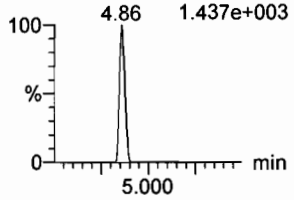
F39:MRM of 2 channels,ES-
498.9 > 99.0
2.805e+004



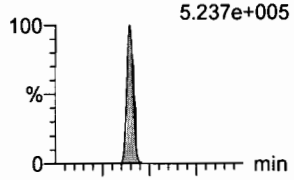
**9CI-PF30NS**
F51:MRM of 2 channels,ES-
530.7 > 350.8
1.013e+002



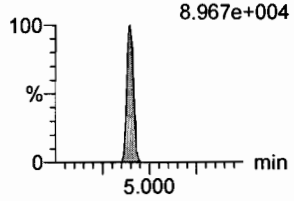

F51:MRM of 2 channels,ES-
530.7 > 82.8
1.437e+003



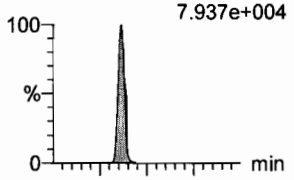

**PFDA**
F44:MRM of 2 channels,ES-
513 > 468.8
5.237e+005



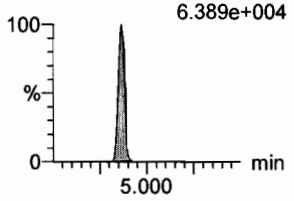
F44:MRM of 2 channels,ES-
513 > 219
8.967e+004



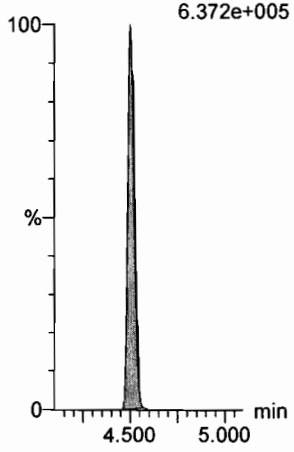
**8:2 FTS**
F49:MRM of 2 channels,ES-
527.0 > 506.9
7.937e+004



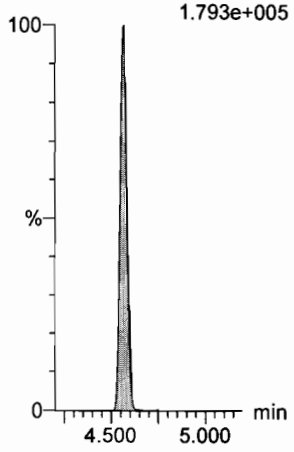
F49:MRM of 2 channels,ES-
527 > 80.9
6.389e+004



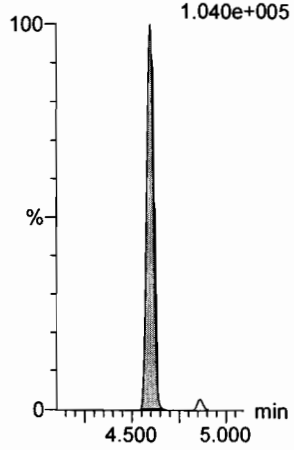
**13C5-PFNA**
F35:MRM of 1 channel,ES-
468.2 > 422.9
6.372e+005



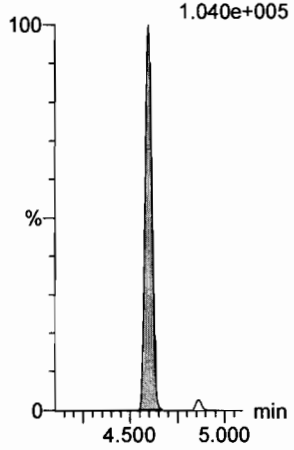
**13C8-PFOSA**
F41:MRM of 1 channel,ES-
506.1 > 77.7
1.793e+005



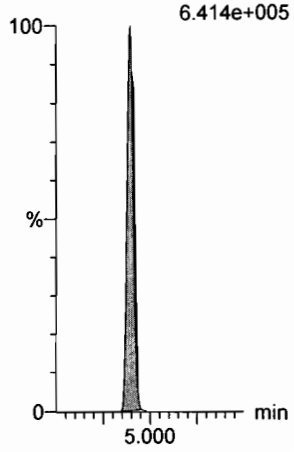
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.040e+005



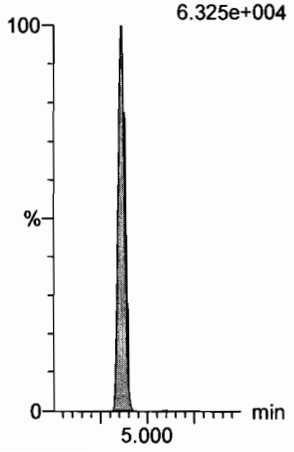
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.040e+005



**13C2-PFDA**
F45:MRM of 1 channel,ES-
515.1 > 469.9
6.414e+005



**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
6.325e+004

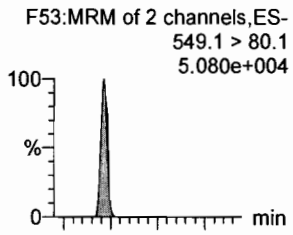


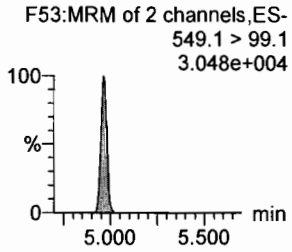
Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:03:19 Pacific Daylight Time

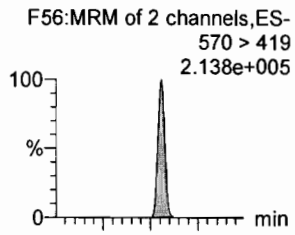
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

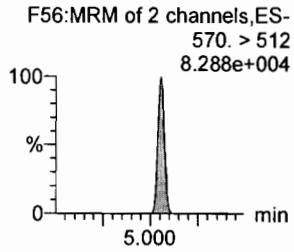
**PFNS**



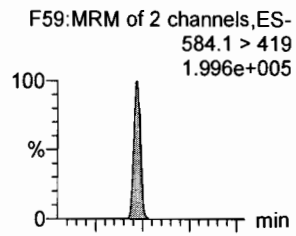



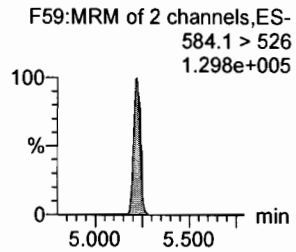

**L-MeFOSAA**



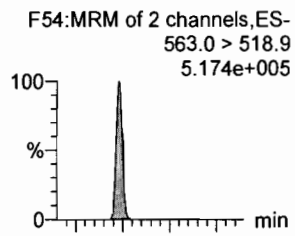



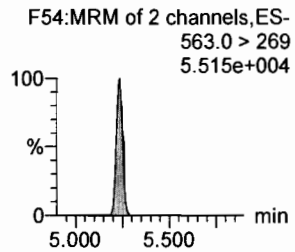

**L-EtFOSAA**



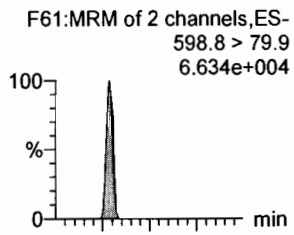



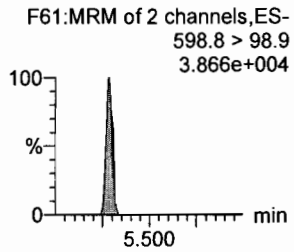

**PFUdA**



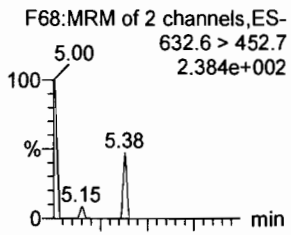



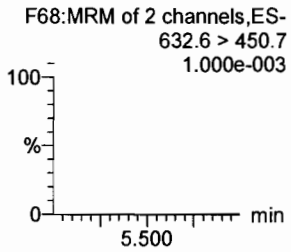

**PFDS**



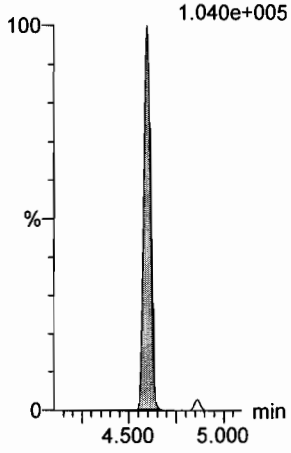




**11Cl-PF30UdS**

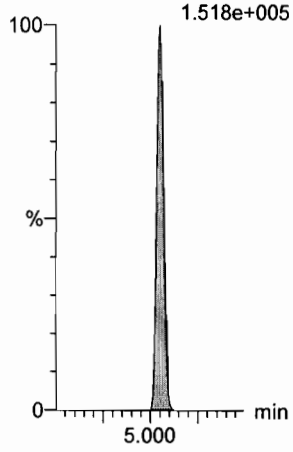


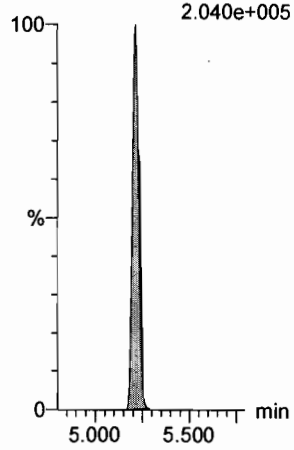

**13C8-PFOS**



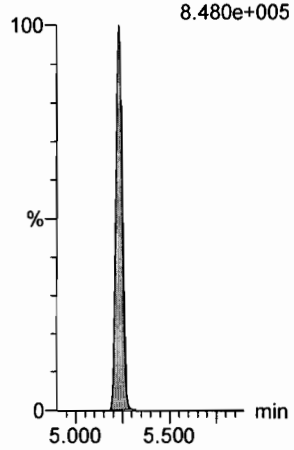

**d3-N-MeFOSAA**



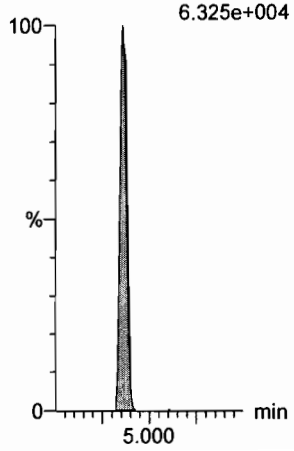

**d5-N-EtFOSAA**



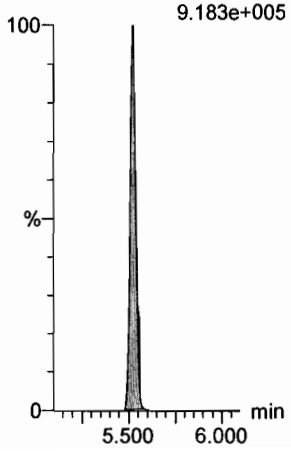

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

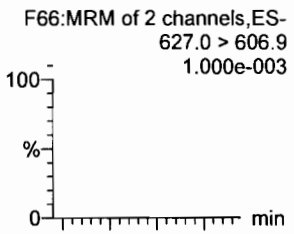


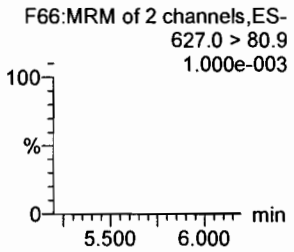
Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:03:19 Pacific Daylight Time

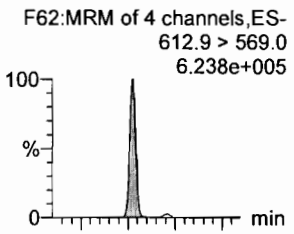
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

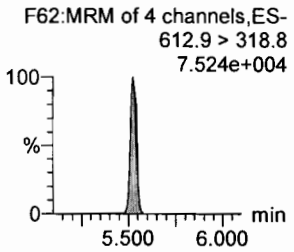
**10:2 FTS**



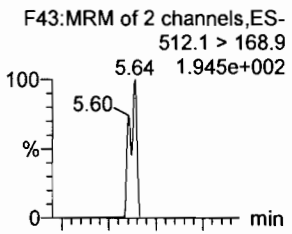



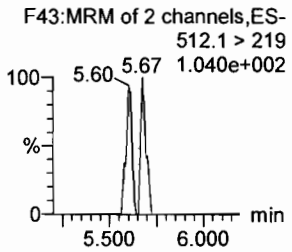

**PFDoA**



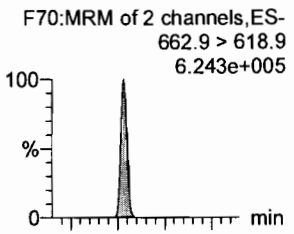



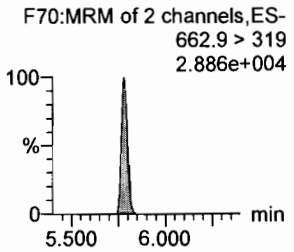

**N-MeFOSA**




**PFTrDA**

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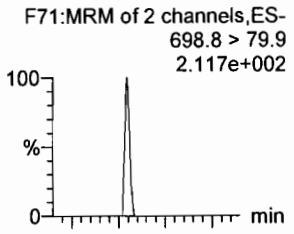


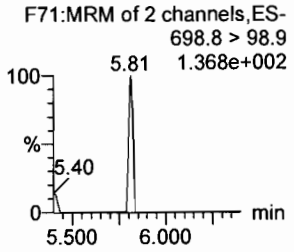


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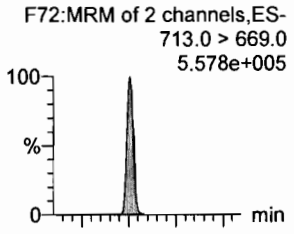
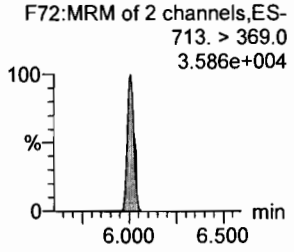
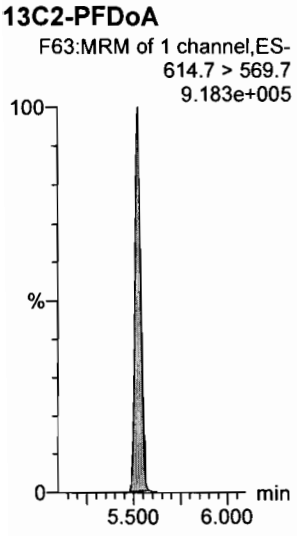



**13C2-PFDoA**

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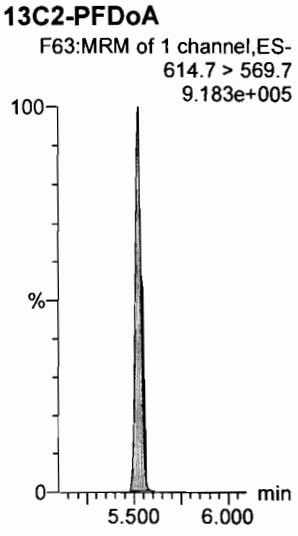
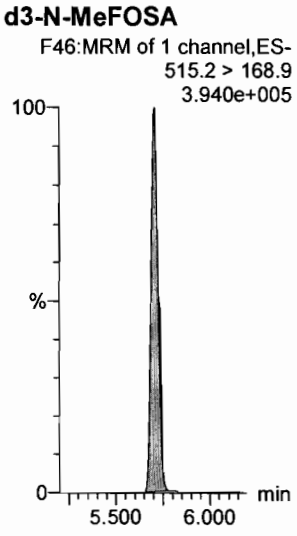



**d3-N-MeFOSA**

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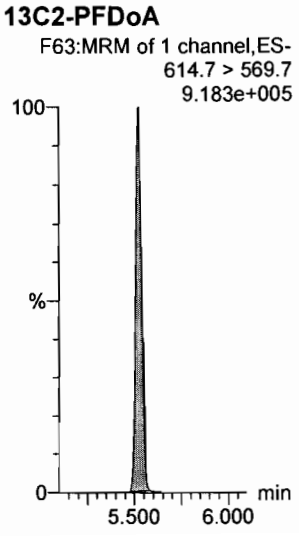


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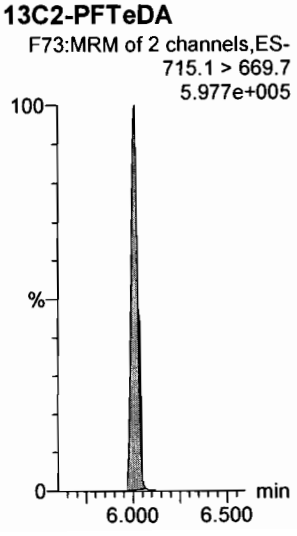


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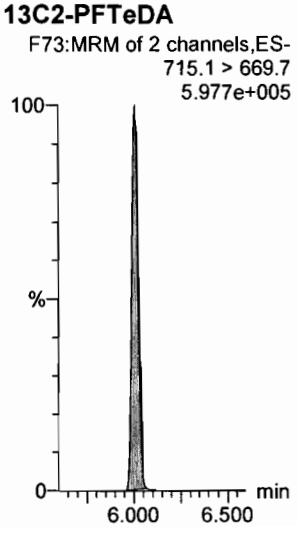

Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
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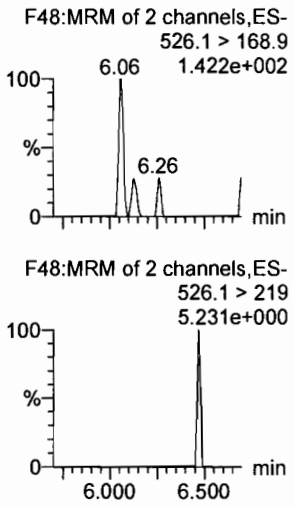
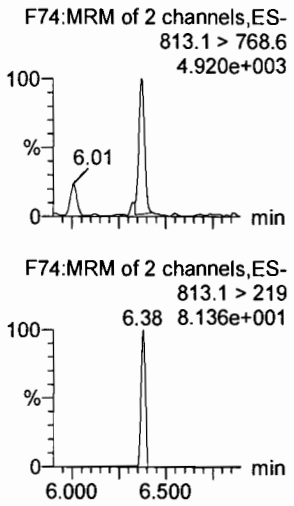
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

**N-EtFOSA**




**PFHxDA**

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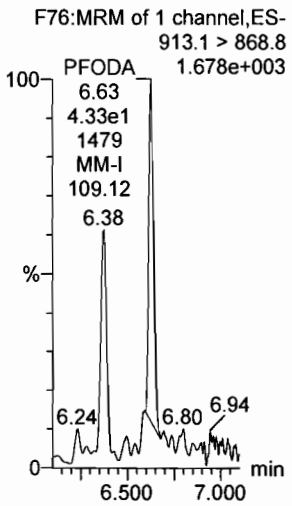
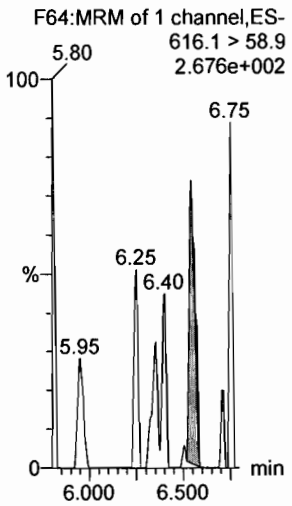
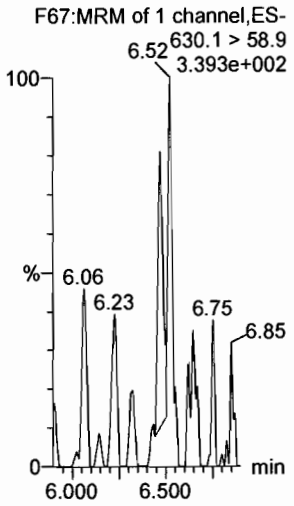


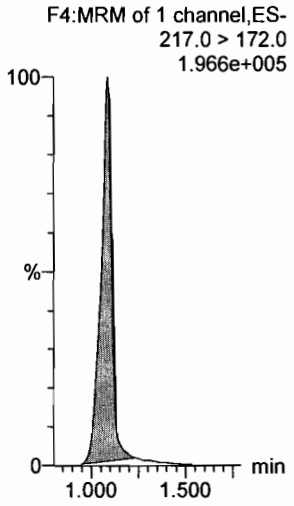

**N-MeFOSE**



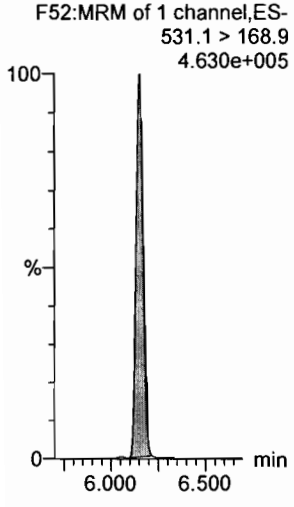

**N-EtFOSE**



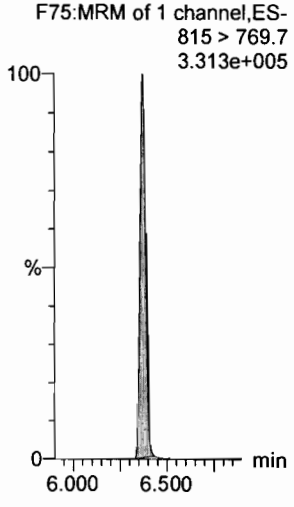

**13C4-PFBA**




**d5-N-ETFOSA**




**13C2-PFHxDA**

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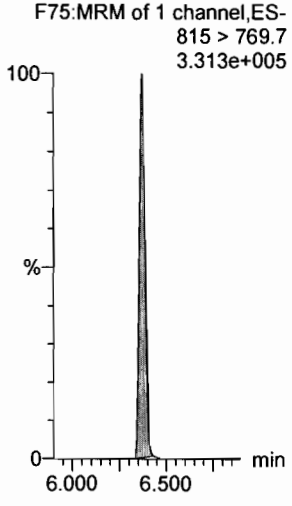
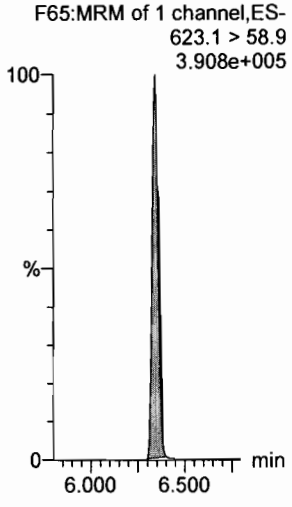
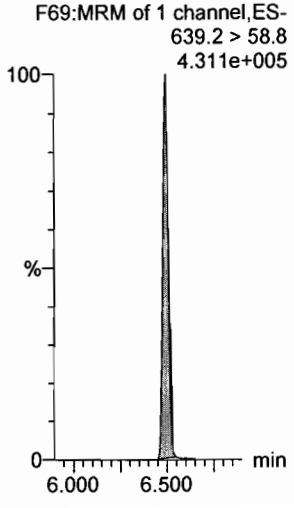


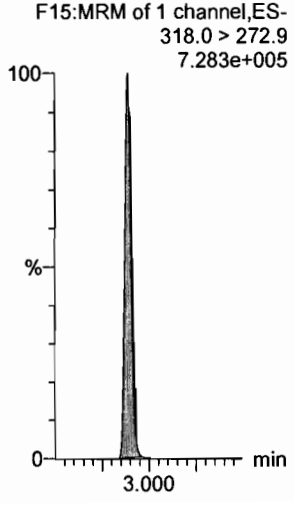

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**



Dataset: F:\Projects\PFAS.PRO\Results\190728M1\190728M1-ICV.qld

Last Altered: Sunday, July 28, 2019 20:01:23 Pacific Daylight Time
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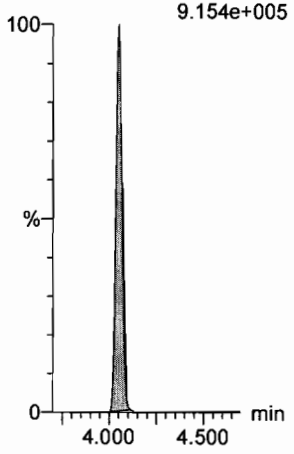
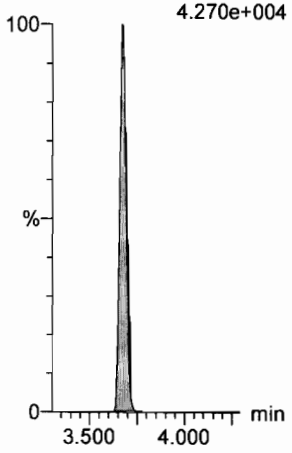
**Name: 190728M1_15, Date: 28-Jul-2019, Time: 17:35:23, ID: ICV190728M1-1 PFC ICV 19F2422, Description: PFC ICV 19F2422**

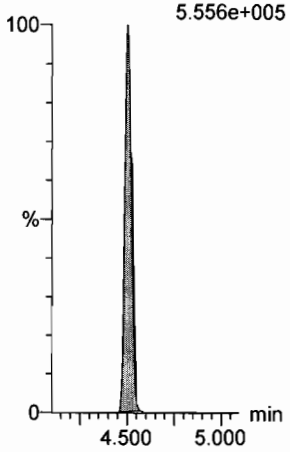
**13C8-PFOA**



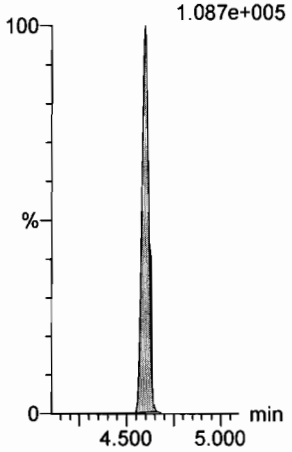

**18O2-PFHxS**



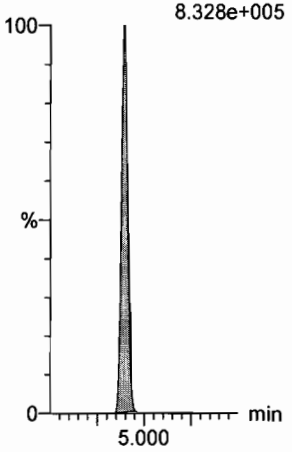

**13C9-PFNA**



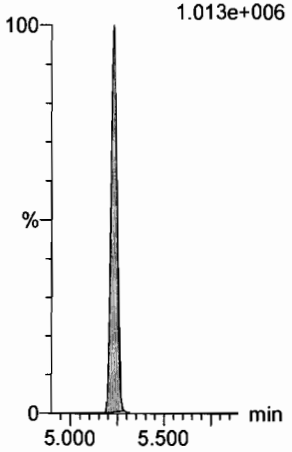

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, July 28, 2019 20:05:33 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:05:39 Pacific Daylight Time

**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | 11.920 | 10617.201 | 1.00 | 1.09 | 0.014 | 0.0 | | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 2108.683 | 1.00 | | | | | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 16544.438 | 1.00 | | | | | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | 25.508 | 16544.438 | 1.00 | 2.05 | 0.019 | 0.0 | | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | | 2108.683 | 1.00 | | | | | NO | | |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | 5.777 | 3474.807 | 1.00 | 2.80 | 0.021 | | | NO | | |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 10617.201 | 14528.914 | 1.00 | 1.09 | 9.135 | 12.4 | 98.9 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2108.683 | 1965.715 | 1.00 | 2.37 | 13.409 | 12.0 | 95.9 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16544.438 | 32602.418 | 1.00 | 2.06 | 6.343 | 12.2 | 97.8 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16544.438 | 32602.418 | 1.00 | 2.06 | 6.343 | 12.2 | 97.8 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2108.683 | 1965.715 | 1.00 | 2.37 | 13.409 | 12.0 | 95.9 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 3474.807 | 1965.715 | 1.00 | 2.80 | 22.096 | 13.0 | 103.6 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | 37.387 | 12469.798 | 1.00 | 2.90 | 0.015 | | | NO | | |
| 15 | 8 | PFPeS | 349.1>80.1 | | 2108.683 | 1.00 | | | | | NO | | |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 1885.727 | 1.00 | | | | | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 14618.015 | 1.00 | | | | | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | 24.477 | 14618.015 | 1.00 | 3.44 | 0.021 | 0.0 | | NO | | |
| 19 | 12 | ADONA | 376.8 > 250.9 | 125.066 | 14618.015 | 1.00 | 3.53 | 0.107 | 0.1 | | NO | 3.994 | NO |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 12469.798 | 32602.418 | 1.00 | 2.89 | 4.781 | 4.9 | 97.9 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2108.683 | 1965.715 | 1.00 | 2.37 | 13.409 | 12.0 | 95.9 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 1885.727 | 32602.418 | 1.00 | 3.09 | 0.723 | 5.1 | 102.1 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14618.015 | 32602.418 | 1.00 | 3.51 | 5.605 | 12.4 | 99.0 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14618.015 | 32602.418 | 1.00 | 3.51 | 5.605 | 12.4 | 99.0 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14618.015 | 32602.418 | 1.00 | 3.51 | 5.605 | 12.4 | 99.0 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | | 3969.553 | 1.00 | | | | | NO | | |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 17.675 | 2693.106 | 1.00 | 3.90 | 0.082 | | | NO | 2.104 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 130.967 | 25083.662 | 1.00 | 4.05 | 0.065 | | | NO | 4.472 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | 28.173 | 25083.662 | 1.00 | 3.98 | 0.014 | 0.1 | | NO | 2.928 | YES |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 5.875 | 4597.516 | 1.00 | 4.10 | 0.016 | 0.1 | | NO | | |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 27756.051 | 1.00 | | | | | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 3969.553 | 1965.715 | 1.00 | 3.67 | 25.242 | 12.2 | 97.7 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 2693.106 | 4916.683 | 1.00 | 3.99 | 6.847 | 12.8 | 102.0 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 25083.662 | 38316.180 | 1.00 | 4.05 | 8.183 | 12.0 | 96.3 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 25083.662 | 38316.180 | 1.00 | 4.05 | 8.183 | 12.0 | 96.3 | NO | | |


GM 7/28/2019

Dataset: Untitled

Last Altered: Sunday, July 28, 2019 20:05:33 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:05:39 Pacific Daylight Time

**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4597.516 | 4916.683 | 1.00 | 4.60 | 11.689 | 12.0 | 95.9 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 27756.051 | 27207.299 | 1.00 | 4.50 | 12.752 | 12.8 | 102.8 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | 88.781 | 27756.051 | 1.00 | 4.44 | 0.040 | 0.0 | | NO | 3.953 | NO |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 47.239 | 8837.266 | 1.00 | 4.57 | 0.067 | | | NO | | |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | | 4597.516 | 1.00 | | | | | NO | | |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | 13.607 | 4597.516 | 1.00 | 4.76 | 0.037 | 0.0 | | NO | 0.308 | YES |
| 44 | 26 | PFDA | 513 > 468.8 | 112.383 | 28572.066 | 1.00 | 4.83 | 0.049 | | | NO | 10.055 | YES |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 20.838 | 2887.463 | 1.00 | 4.78 | 0.090 | 0.1 | | NO | | |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 27756.051 | 27207.299 | 1.00 | 4.50 | 12.752 | 12.8 | 102.8 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 8837.266 | 42676.637 | 1.00 | 4.56 | 2.588 | 12.2 | 97.8 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4597.516 | 4916.683 | 1.00 | 4.60 | 11.689 | 12.0 | 95.9 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4597.516 | 4916.683 | 1.00 | 4.60 | 11.689 | 12.0 | 95.9 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 28572.066 | 35810.926 | 1.00 | 4.89 | 9.973 | 12.1 | 96.8 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2887.463 | 4916.683 | 1.00 | 4.86 | 7.341 | 13.1 | 104.5 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 20.328 | 4597.516 | 1.00 | 4.90 | 0.055 | 0.2 | | NO | 3.667 | YES |
| 54 | 29 | L-MeFOSAA | 570 > 419 | | 6798.291 | 1.00 | | | | | NO | | |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 12.413 | 9146.187 | 1.00 | 5.16 | 0.017 | 0.0 | | NO | | |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 114.945 | 37770.227 | 1.00 | 5.22 | 0.038 | | | NO | 5.966 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | | 2887.463 | 1.00 | | | | | NO | | |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 35781.020 | 1.00 | | | | | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4597.516 | 4916.683 | 1.00 | 4.60 | 11.689 | 12.0 | 95.9 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 6798.291 | 42676.637 | 1.00 | 5.05 | 1.991 | 11.1 | 88.9 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 9146.187 | 42676.637 | 1.00 | 5.21 | 2.679 | 12.1 | 96.6 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 37770.227 | 42676.637 | 1.00 | 5.23 | 11.063 | 12.4 | 99.3 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2887.463 | 4916.683 | 1.00 | 4.86 | 7.341 | 13.1 | 104.5 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35781.020 | 35810.926 | 1.00 | 5.52 | 12.490 | 12.0 | 95.7 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | 11.087 | 2887.463 | 1.00 | 5.45 | 0.048 | | | NO | 0.961 | NO |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 587.754 | 35781.020 | 1.00 | 5.71 | 0.205 | 0.2 | | NO | | |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | 5.962 | 18132.271 | 1.00 | 5.58 | 0.049 | | | NO | 0.580 | YES |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 92.405 | 35781.020 | 1.00 | 5.72 | 0.032 | 0.0 | | NO | | |
| 70 | 40 | PFDoS | 698.8 > 79.9 | 9.192 | 26061.092 | 1.00 | 5.75 | 0.004 | 0.1 | | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 98.357 | 26061.092 | 1.00 | 5.95 | 0.047 | | | NO | | |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35781.020 | 35810.926 | 1.00 | 5.52 | 12.490 | 12.0 | 95.7 | NO | | |

Dataset: Untitled

Last Altered: Sunday, July 28, 2019 20:05:33 Pacific Daylight Time
Printed: Sunday, July 28, 2019 20:05:39 Pacific Daylight Time

**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35781.020 | 35810.926 | 1.00 | 5.52 | 12.490 | 12.0 | 95.7 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 18132.271 | 42676.637 | 1.00 | 5.70 | 5.311 | 134.6 | 89.8 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35781.020 | 35810.926 | 1.00 | 5.52 | 12.490 | 12.0 | 95.7 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 26061.092 | 42676.637 | 1.00 | 6.00 | 7.633 | 12.0 | 96.1 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 26061.092 | 42676.637 | 1.00 | 6.00 | 7.633 | 12.0 | 96.1 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | 37.564 | 22878.332 | 1.00 | 6.07 | 0.246 | 0.5 | | NO | 5.835 | YES |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | 162.282 | 12491.700 | 1.00 | 6.37 | 0.065 | 0.0 | | NO | | |
| 81 | 44 | PFODA | 913.1 > 868.8 | 87.098 | 12491.700 | 1.00 | 6.63 | 0.035 | | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 15857.995 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | 14.022 | 16660.340 | 1.00 | 6.51 | 0.126 | 0.1 | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 14528.914 | 14528.914 | 1.00 | 1.08 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 22878.332 | 42676.637 | 1.00 | 6.15 | 6.701 | 146.0 | 97.3 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 12491.700 | 42676.637 | 1.00 | 6.37 | 3.659 | 4.6 | 91.3 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 12491.700 | 42676.637 | 1.00 | 6.37 | 3.659 | 4.6 | 91.3 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 15857.995 | 42676.637 | 1.00 | 6.34 | 4.645 | 134.2 | 89.4 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 16660.340 | 42676.637 | 1.00 | 6.49 | 4.880 | 137.1 | 91.4 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 32602.418 | 32602.418 | 1.00 | 2.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 38316.180 | 38316.180 | 1.00 | 4.05 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1965.715 | 1965.715 | 1.00 | 3.67 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 27207.299 | 27207.299 | 1.00 | 4.50 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 4916.683 | 4916.683 | 1.00 | 4.60 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 35810.926 | 35810.926 | 1.00 | 4.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 42676.637 | 42676.637 | 1.00 | 5.23 | 12.500 | 12.5 | 100.0 | NO | | |

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, July 28, 2019 20:05:33 Pacific Daylight Time
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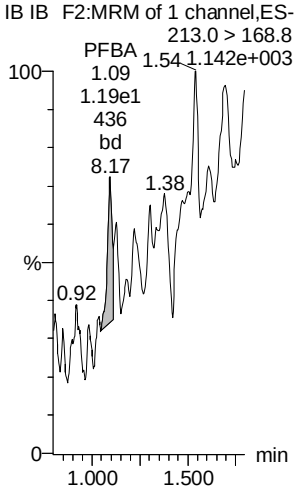
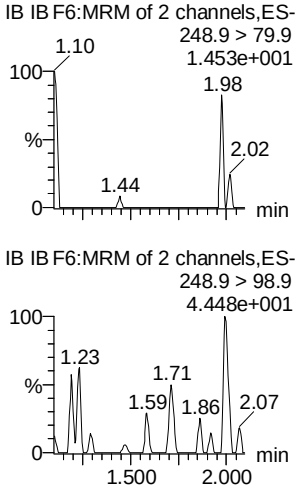
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072819.mdb 28 Jul 2019 19:34:01**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-28-19.cdb 28 Jul 2019 19:54:16**

**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

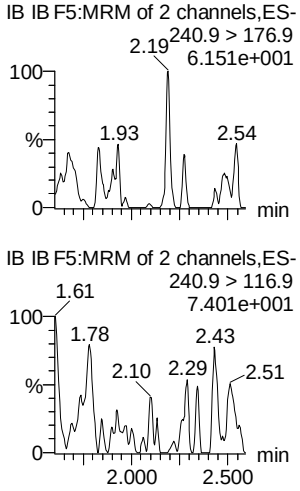
**PFBA**



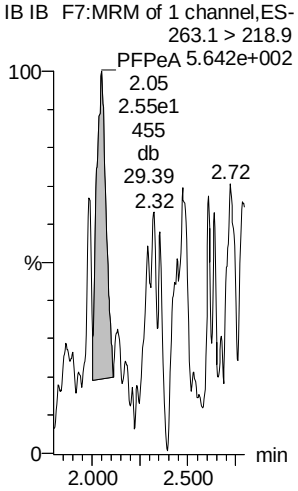

**PFPrS**



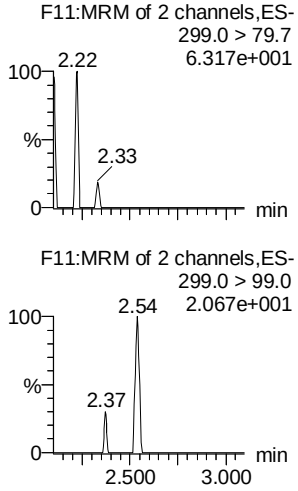

**3:3 FTCA**



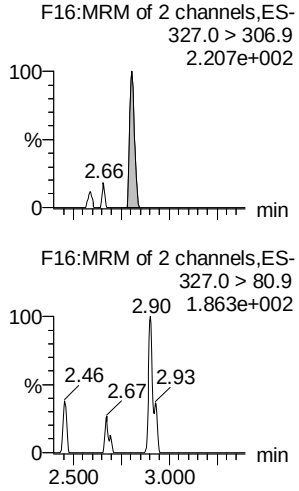

**PFPeA**



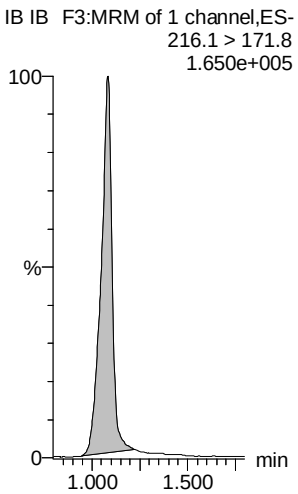

**PFBS**



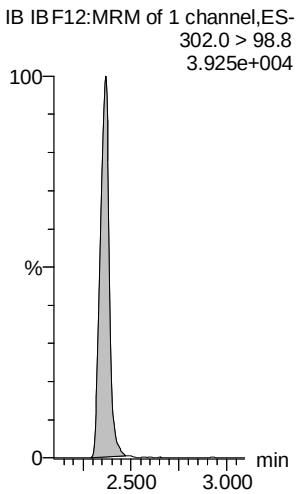

**4:2 FTS**



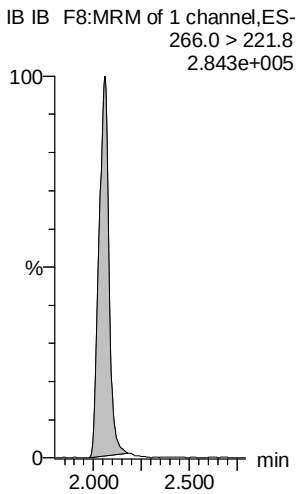

**13C3-PFBA**



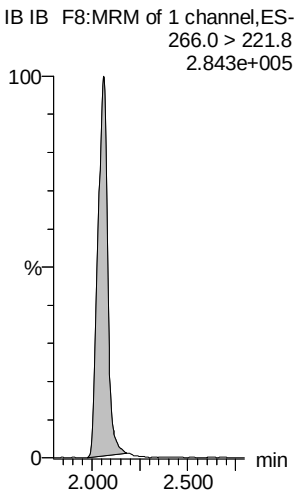

**13C3-PFBS**



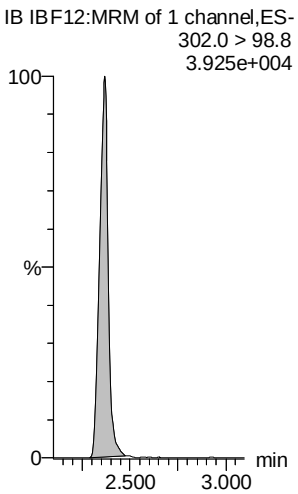

**13C3-PFPeA**



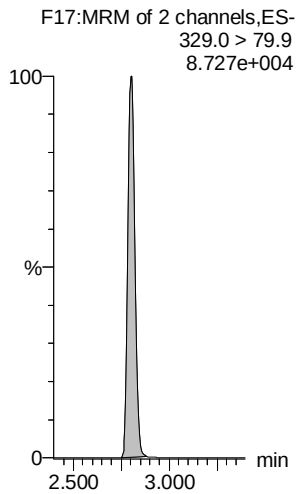

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**



Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, July 28, 2019 20:05:33 Pacific Daylight Time
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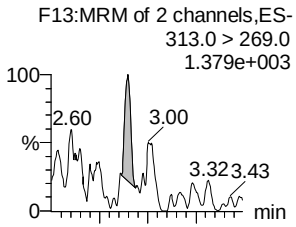
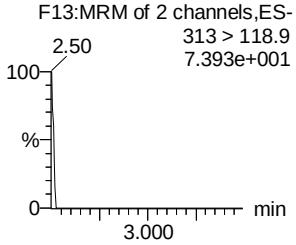
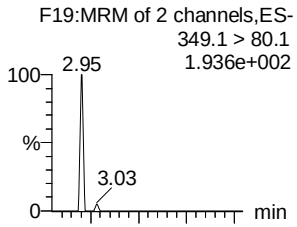
**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

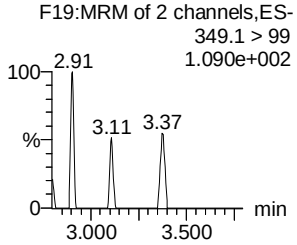
**PFHxA**



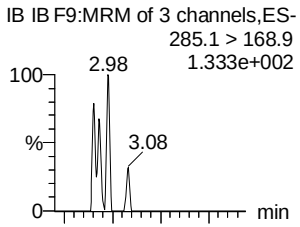



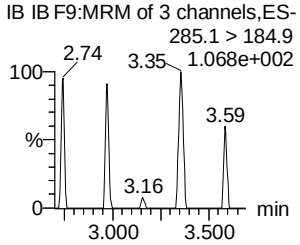

**PFPeS**



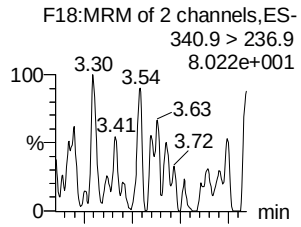



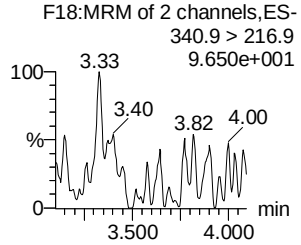

**HFPO-DA**




**5:3 FTCA**

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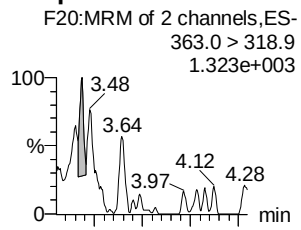


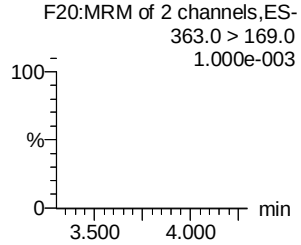


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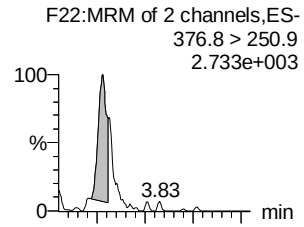
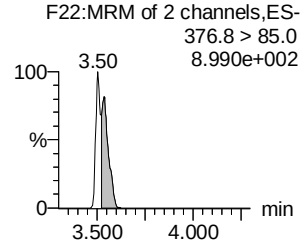
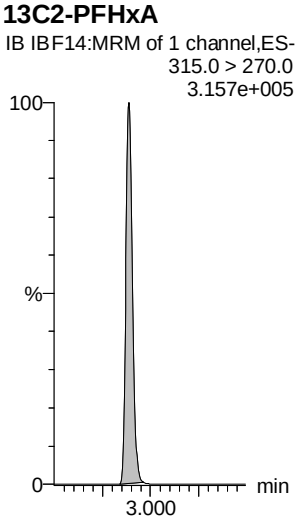



**13C2-PFHxA**

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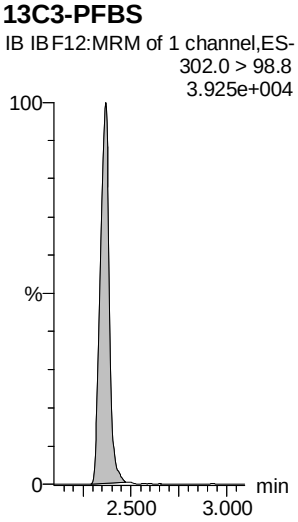


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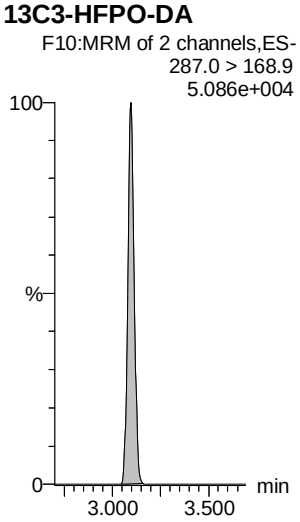


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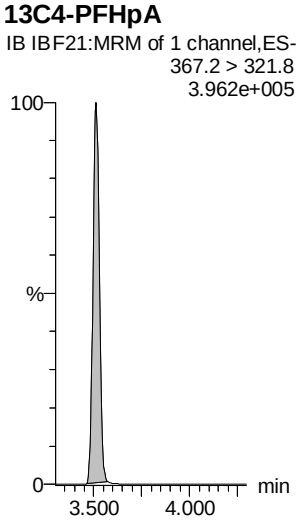


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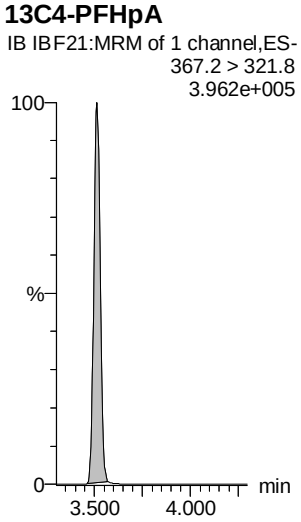


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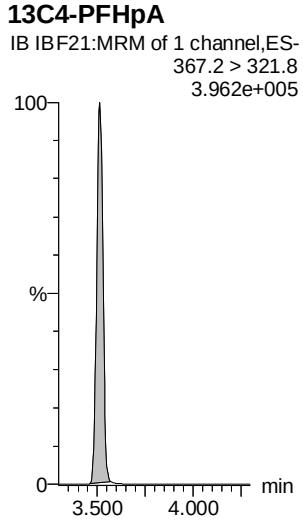

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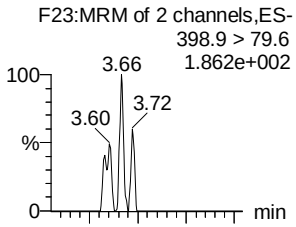
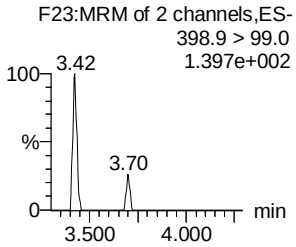
Printed: Sunday, July 28, 2019 20:05:39 Pacific Daylight Time

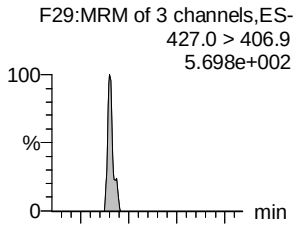
**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

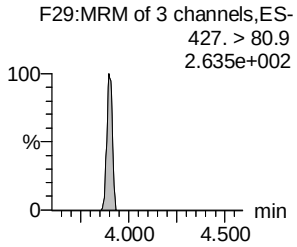
**L-PFHxS**




**6:2 FTS**

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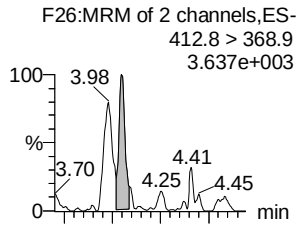


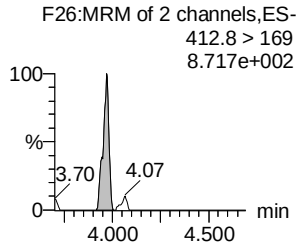


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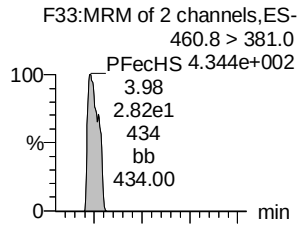


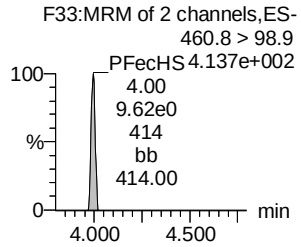


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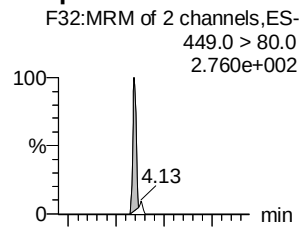
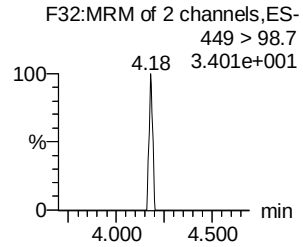
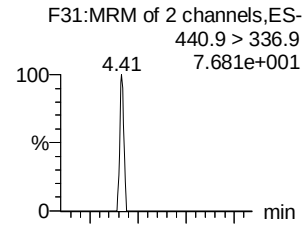
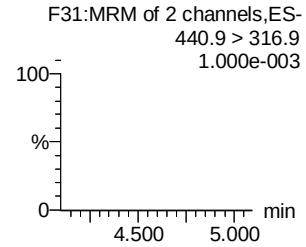


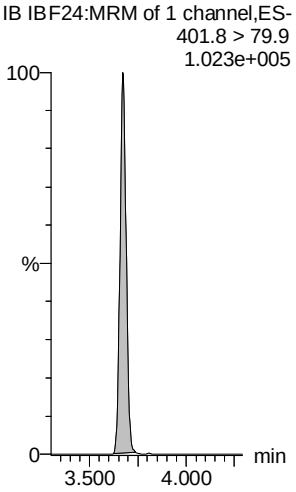




**7:3 FTCA**

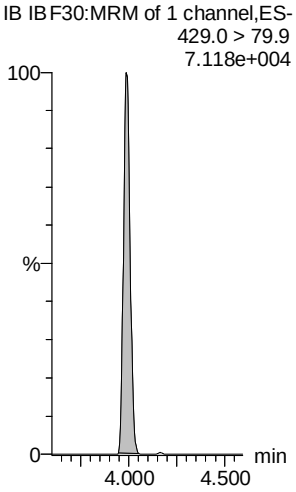



**13C3-PFHxS**




**13C2-6:2 FTS**

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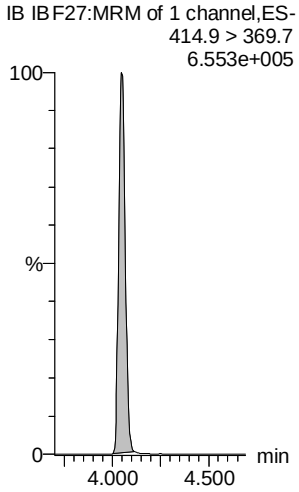


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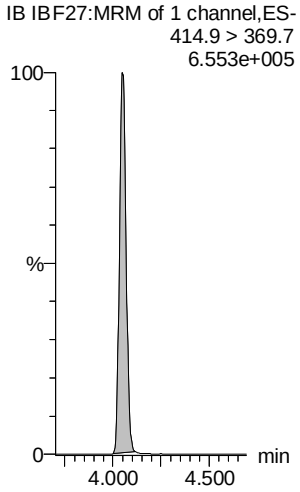


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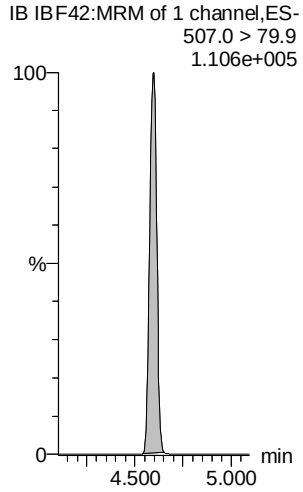


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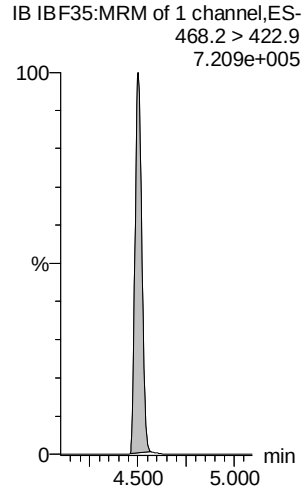

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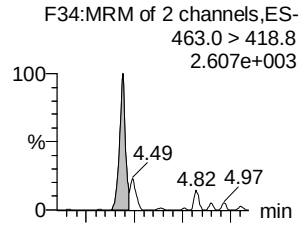


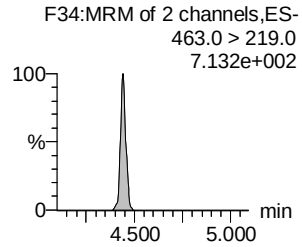


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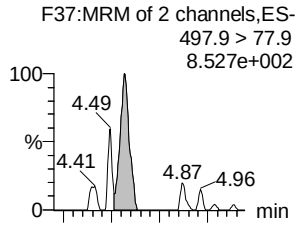
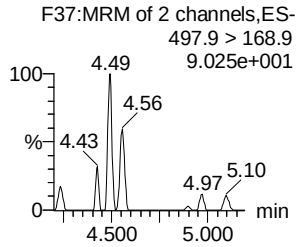
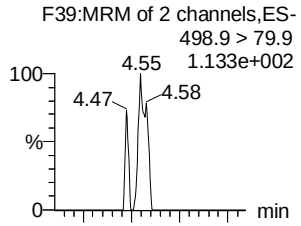
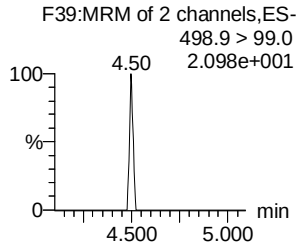



**L-PFOS**

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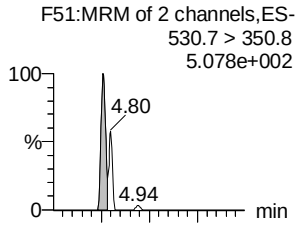


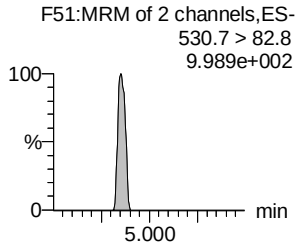


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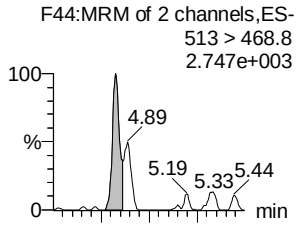
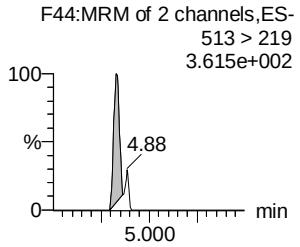
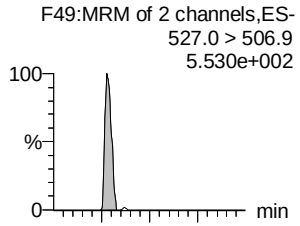
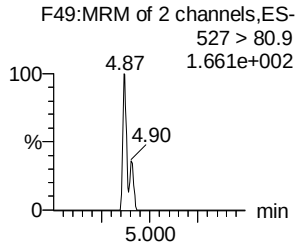



**8:2 FTS**

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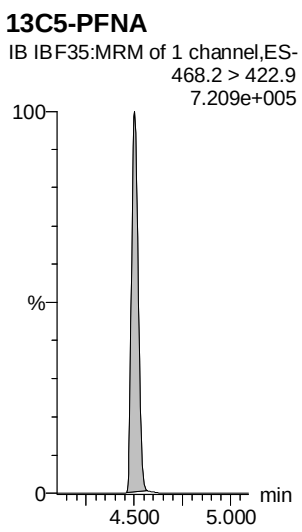


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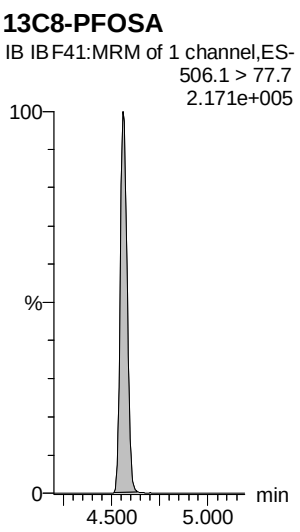


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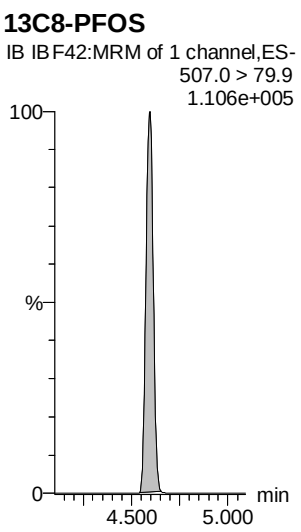


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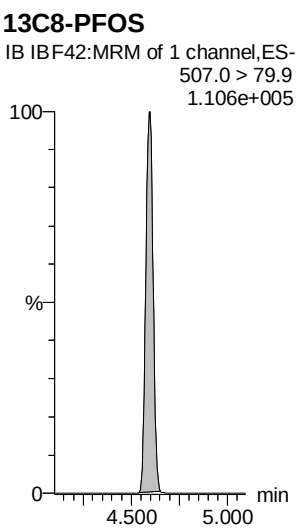


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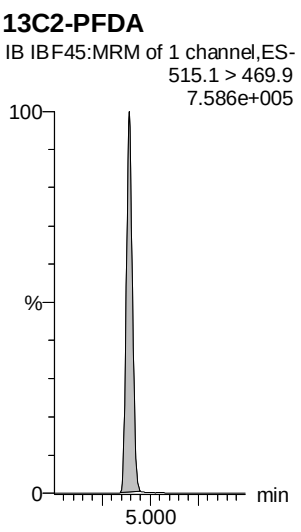
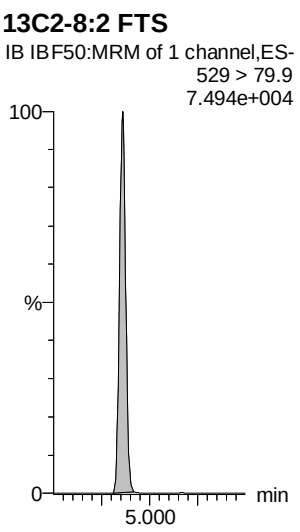



**13C2-8:2 FTS**



Vista Analytical Laboratory

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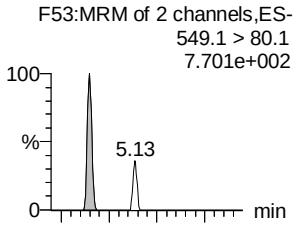
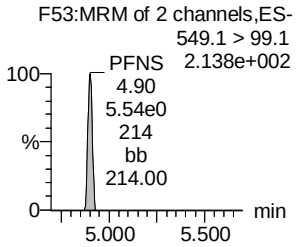
**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

**PFNS**

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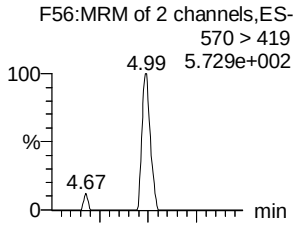


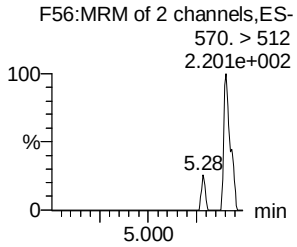


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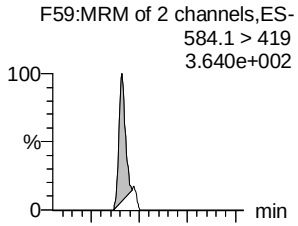


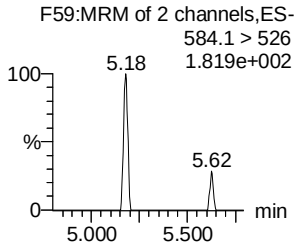


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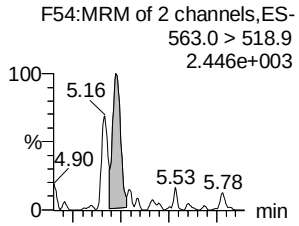


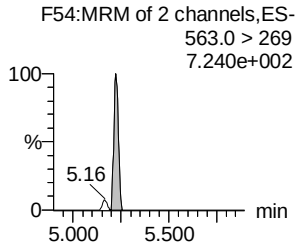


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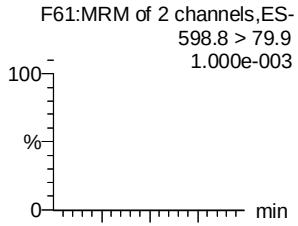


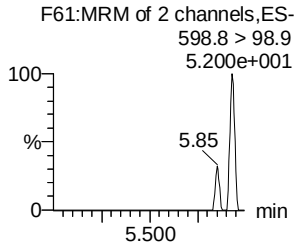


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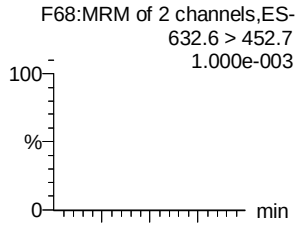


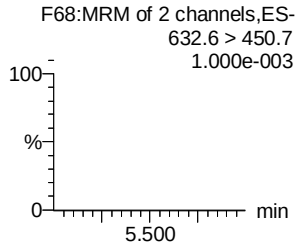


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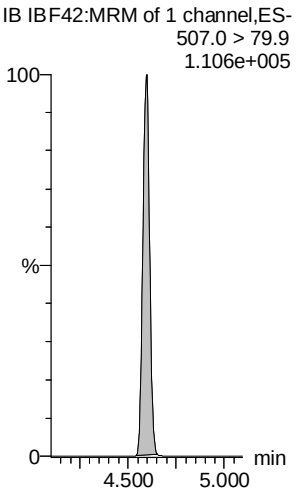


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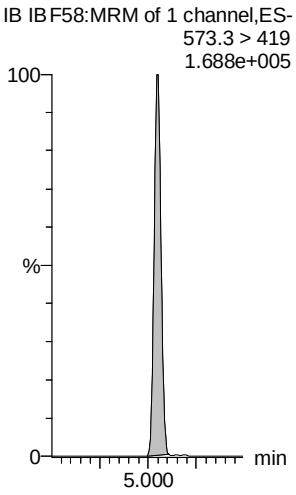


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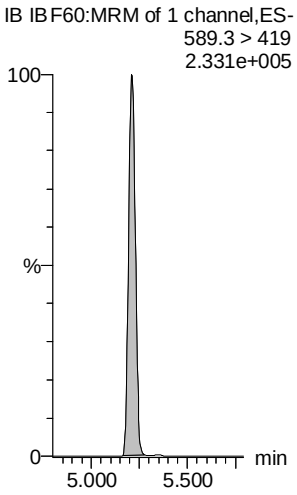


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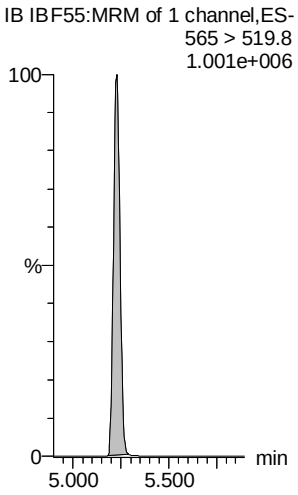


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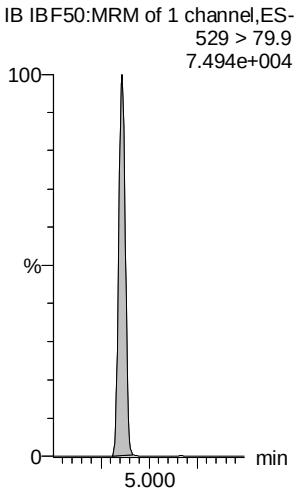


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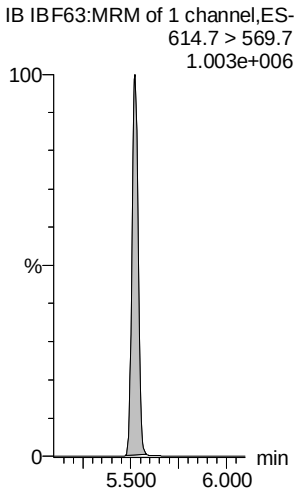

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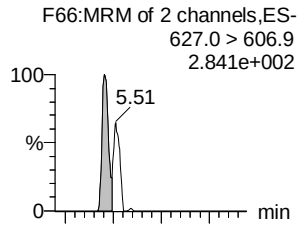
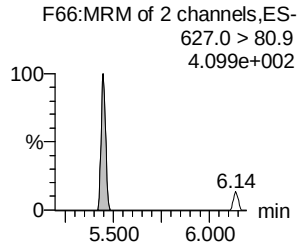
Printed: Sunday, July 28, 2019 20:05:39 Pacific Daylight Time

**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

**10:2 FTS**

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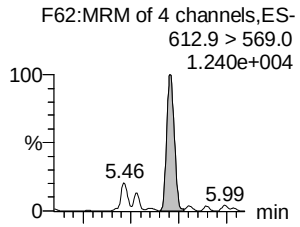


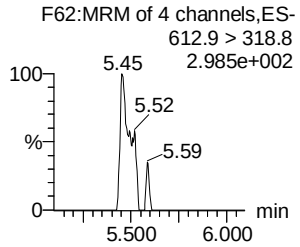


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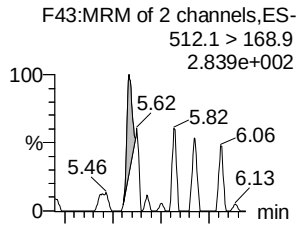


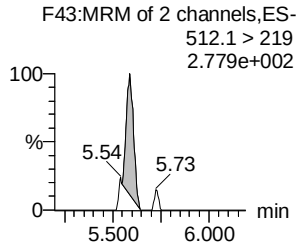


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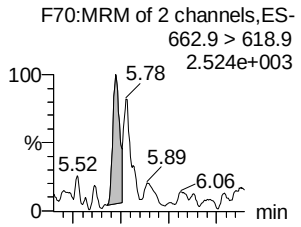


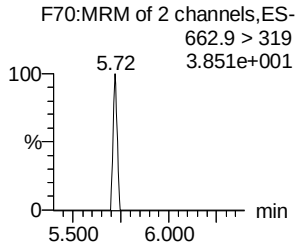


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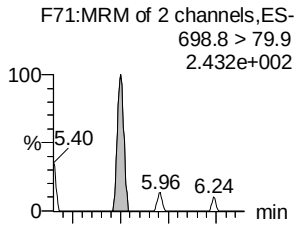


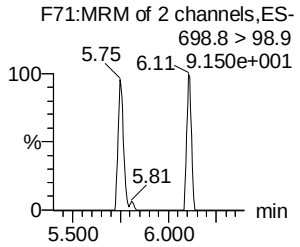


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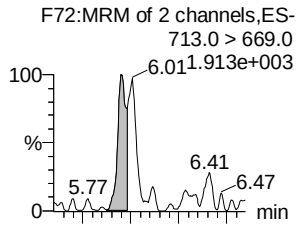


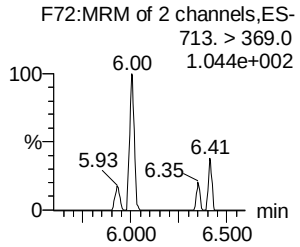


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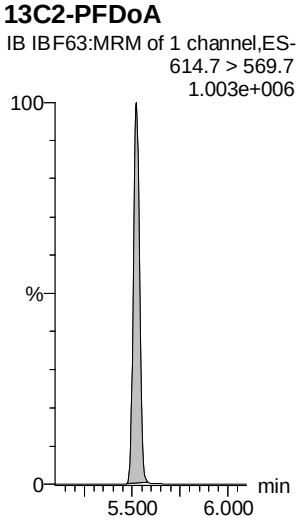


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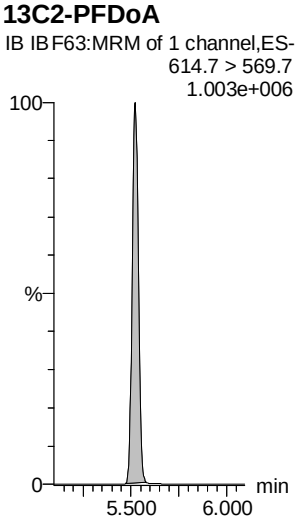


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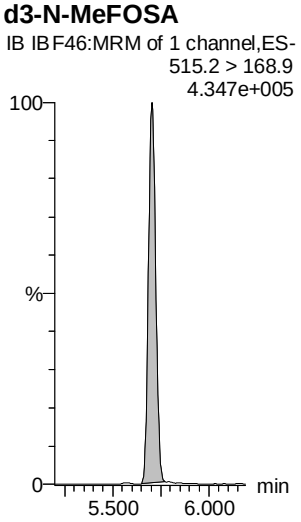


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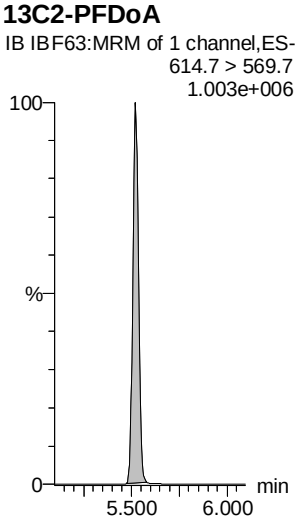


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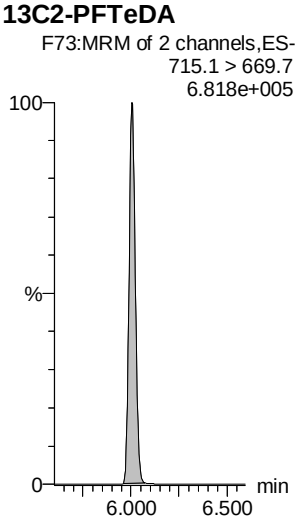


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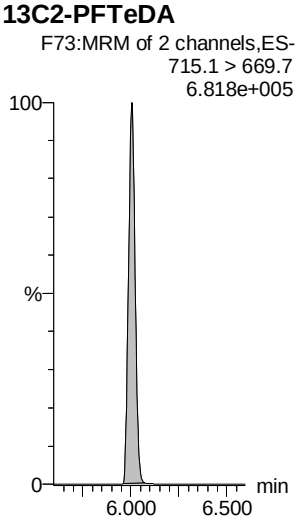

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**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

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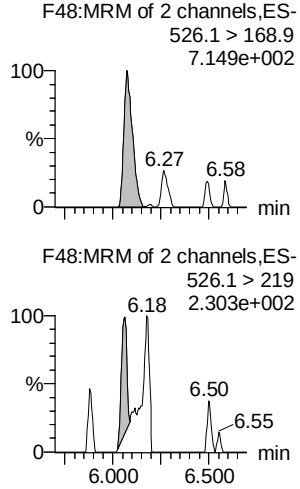


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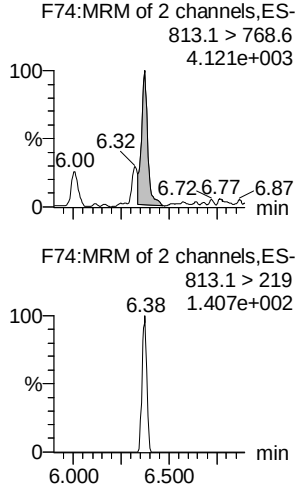


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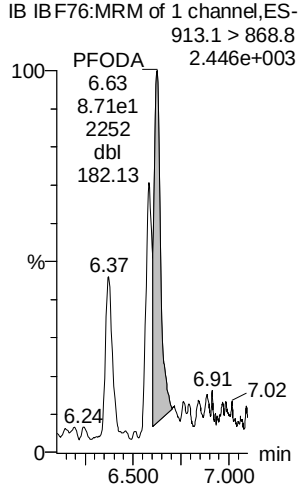


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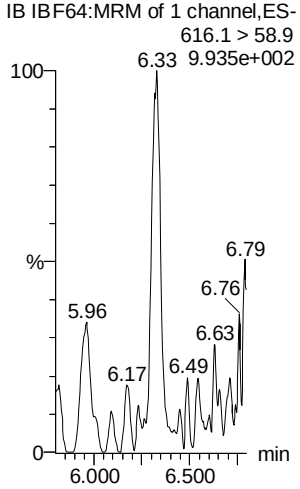


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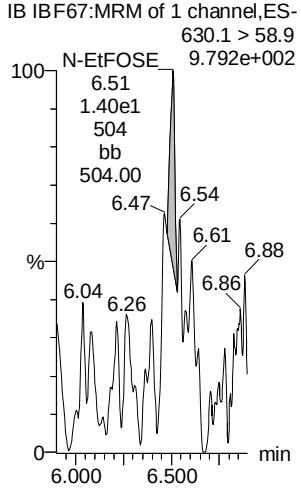


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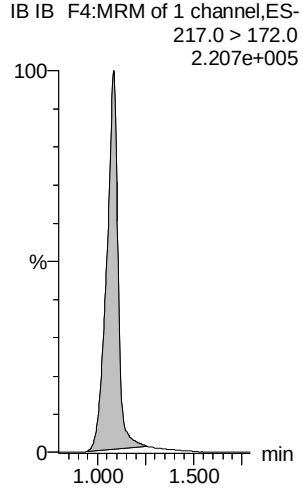


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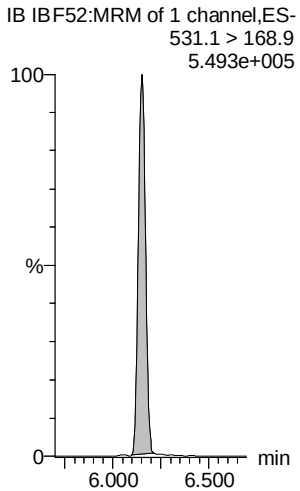


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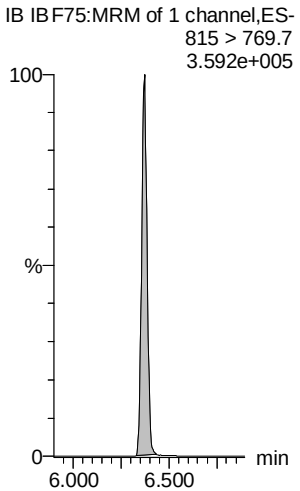


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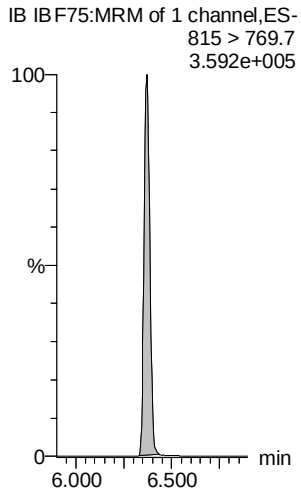


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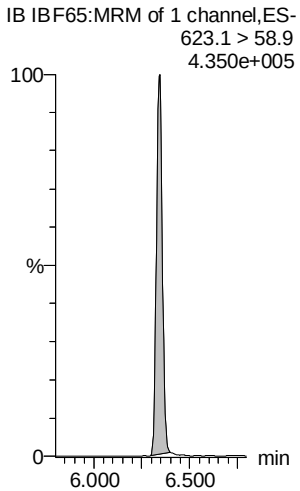


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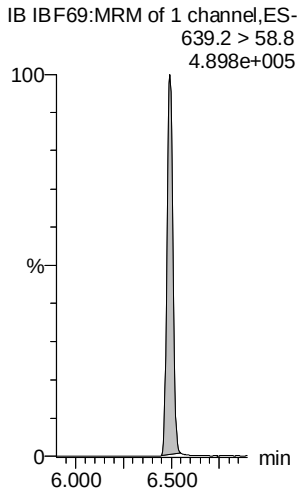


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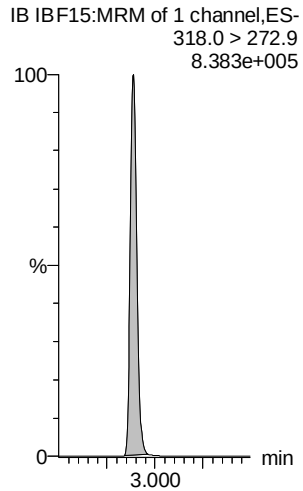

Vista Analytical Laboratory

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**Name: 190728M1_14, Date: 28-Jul-2019, Time: 17:24:45, ID: IB, Description: IB**

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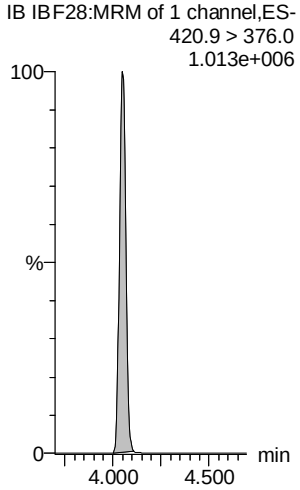


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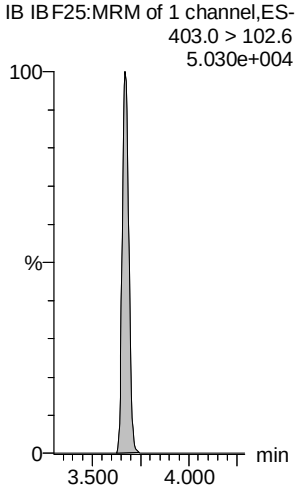


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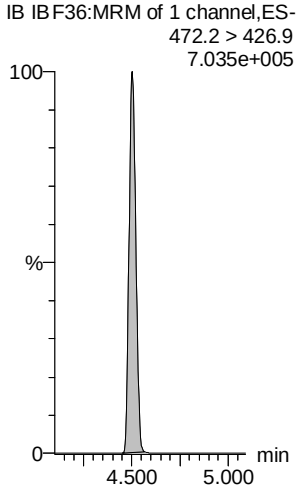


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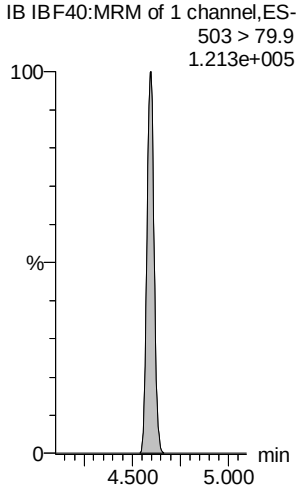


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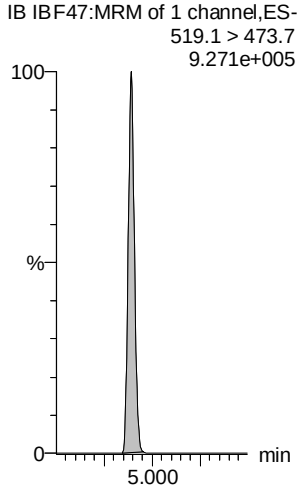
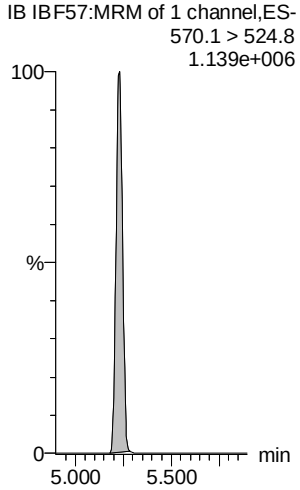



**13C7-PFUdA**





GM 7/28/2019

High PE
PFDS = 250
3:3 FTS = 100
5:3 FTS
7:3 FTS ↓

Low PE
11Cl-PF3OUdS = 0.5

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

JM 7/31/19

**Compound name: PFBA**
Correlation coefficient: r = 0.999989, r^2 = 0.999977
Calibration curve: 1.19741 * x + -0.00576703
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 1.57 | 321.000 | 12916.104 | 0.311 | 0.3 | 5.7 | NO | 1.000 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 1.57 | 609.697 | 13389.392 | 0.569 | 0.5 | -4.0 | NO | 1.000 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 1.56 | 1257.974 | 13307.255 | 1.182 | 1.0 | -0.8 | NO | 1.000 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 1.56 | 2445.432 | 12981.020 | 2.355 | 2.0 | -1.4 | NO | 1.000 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 1.56 | 6584.994 | 13665.087 | 6.024 | 5.0 | 0.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 1.56 | 12510.950 | 13027.946 | 12.004 | 10.0 | 0.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 1.56 | 65900.672 | 13684.505 | 60.196 | 50.3 | 0.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 1.56 | 136937.359 | 14471.634 | 118.281 | 98.8 | -1.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 1.55 | 322986.813 | 13488.090 | 299.326 | 250.0 | -0.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 1.55 | 543313.625 | 11322.577 | 599.812 | 500.9 | 0.2 | NO | 1.000 | NO | bb |

**Compound name: PFPrS**
Coefficient of Determination: R^2 = 0.999087
Calibration curve: 0.000518032 * x^2 + 1.45934 * x + -0.0868514
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 1.92 | 54.929 | 1993.116 | 0.344 | 0.3 | 18.2 | NO | 0.999 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 1.92 | 118.355 | 2161.406 | 0.684 | 0.5 | 5.7 | NO | 0.999 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 1.92 | 223.569 | 2078.897 | 1.344 | 1.0 | -2.0 | NO | 0.999 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 1.92 | 440.860 | 2060.734 | 2.674 | 1.9 | -5.5 | NO | 0.999 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 1.92 | 1160.165 | 2110.474 | 6.871 | 4.8 | -4.8 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 1.91 | 2262.247 | 2090.481 | 13.527 | 9.3 | -7.0 | NO | 0.999 | NO | MM |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 1.91 | 11632.177 | 2048.264 | 70.988 | 47.9 | -4.2 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 1.91 | 24747.045 | 2135.955 | 144.824 | 96.0 | -4.0 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 1.91 | 56382.188 | 1695.551 | 415.663 | 260.8 | 4.3 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 1.91 | 91555.133 | 1344.177 | 851.405 | 496.1 | -0.8 | NO | 0.999 | NO | bb |

CGH 7/30/19

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: 3:3 FTCA**
Coefficient of Determination: R^2 = 0.999764
Calibration curve: 6.61448e-005 * x^2 + 0.0392306 * x + 0.000310669
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 2.40 | 12.376 | 15503.537 | 0.010 | 0.2 | -1.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 2.40 | 25.182 | 16107.852 | 0.020 | 0.5 | -2.0 | NO | 1.000 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 2.39 | 48.747 | 15767.612 | 0.039 | 1.0 | -2.4 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 2.39 | 97.696 | 15366.315 | 0.079 | 2.0 | 0.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 2.39 | 273.563 | 15893.568 | 0.215 | 5.4 | 8.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 2.39 | 479.190 | 15445.689 | 0.388 | 9.7 | -2.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 2.39 | 2676.187 | 15797.732 | 2.118 | 49.8 | -0.4 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 2.39 | 5927.060 | 16141.446 | 4.590 | 100.1 | 0.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 2.39 | 3019.247 | 14583.549 | 2.588 | 59.9 | -76.0 | YES | 1.000 | NO | bbX |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 2.38 | 5361.647 | 11749.477 | 5.704 | 120.8 | -75.8 | YES | 1.000 | NO | bbX |

**Compound name: PFPeA**
Correlation coefficient: r = 0.999891, r^2 = 0.999781
Calibration curve: 0.861551 * x + 0.00774042
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 2.56 | 272.451 | 15503.537 | 0.220 | 0.2 | -1.6 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 2.56 | 561.328 | 16107.852 | 0.436 | 0.5 | -0.7 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 2.56 | 1075.601 | 15767.612 | 0.853 | 1.0 | -1.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 2.55 | 2086.069 | 15366.315 | 1.697 | 2.0 | -2.0 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 2.55 | 5678.699 | 15893.568 | 4.466 | 5.2 | 3.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 2.55 | 10656.233 | 15445.689 | 8.624 | 10.0 | 0.0 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 2.55 | 54912.176 | 15797.732 | 43.449 | 50.4 | 0.8 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 2.55 | 112642.383 | 16141.446 | 87.231 | 101.2 | 1.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 2.55 | 256017.344 | 14583.549 | 219.440 | 254.7 | 1.9 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 2.54 | 399681.406 | 11749.477 | 425.212 | 493.5 | -1.3 | NO | 1.000 | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFBS**
Correlation coefficient: r = 0.999473, r^2 = 0.998945
Calibration curve: 2.19095 * x + -0.0776057
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 2.83 | 79.375 | 1993.116 | 0.498 | 0.3 | 5.1 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 2.83 | 170.662 | 2161.406 | 0.987 | 0.5 | -2.8 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 2.83 | 364.375 | 2078.897 | 2.191 | 1.0 | 3.5 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 2.82 | 707.601 | 2060.734 | 4.292 | 2.0 | -0.3 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 2.82 | 1775.802 | 2110.474 | 10.518 | 4.8 | -3.3 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 2.82 | 3559.962 | 2090.481 | 21.287 | 9.8 | -2.5 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 2.82 | 18192.414 | 2048.264 | 111.023 | 50.7 | 1.4 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 2.82 | 35769.371 | 2135.955 | 209.329 | 95.6 | -4.4 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 2.82 | 77935.906 | 1695.551 | 574.562 | 262.3 | 4.9 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 2.81 | 115865.094 | 1344.177 | 1077.472 | 491.8 | -1.6 | NO | 0.999 | NO | bb |

**Compound name: 4:2 FTS**
Coefficient of Determination: R^2 = 0.999643
Calibration curve: -0.000495547 * x^2 + 2.30572 * x + -0.0864435
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 3.23 | 142.985 | 3459.123 | 0.517 | 0.3 | 4.6 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 3.23 | 253.570 | 3595.509 | 0.882 | 0.4 | -16.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 3.23 | 651.892 | 3487.027 | 2.337 | 1.1 | 5.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 3.22 | 1287.874 | 3530.975 | 4.559 | 2.0 | 0.8 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 3.22 | 3184.281 | 3538.321 | 11.249 | 4.9 | -1.6 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 3.22 | 6271.980 | 3240.552 | 24.193 | 10.6 | 5.5 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 3.22 | 29157.537 | 3176.126 | 114.753 | 50.4 | 0.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 3.22 | 56131.414 | 3026.424 | 231.839 | 102.9 | 2.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 3.22 | 114647.172 | 2695.174 | 531.724 | 243.4 | -2.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 3.22 | 175505.031 | 2120.966 | 1034.346 | 503.0 | 0.6 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFHxA**
Correlation coefficient: r = 0.999820, r^2 = 0.999640
Calibration curve: 0.854535 * x + 0.022315
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 3.32 | 557.933 | 11835.756 | 0.236 | 0.2 | -0.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 3.32 | 1130.036 | 12595.986 | 0.449 | 0.5 | -0.2 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 3.32 | 2123.274 | 11918.678 | 0.891 | 1.0 | 1.6 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 3.32 | 4153.857 | 11989.908 | 1.732 | 2.0 | 0.0 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 3.32 | 10997.186 | 12627.976 | 4.354 | 5.1 | 1.4 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 3.32 | 21415.826 | 12304.030 | 8.703 | 10.2 | 1.6 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 3.32 | 106979.656 | 12068.062 | 44.323 | 51.8 | 3.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 3.31 | 218013.266 | 12217.189 | 89.224 | 104.4 | 4.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 3.31 | 470757.063 | 11155.104 | 211.005 | 246.9 | -1.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 3.31 | 754810.813 | 8892.475 | 424.410 | 496.6 | -0.7 | NO | 1.000 | NO | bb |

**Compound name: PFPeS**
Coefficient of Determination: R^2 = 0.999540
Calibration curve: -0.000393402 * x^2 + 1.58079 * x + -0.177707
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 3.52 | 22.949 | 1993.116 | 0.144 | 0.2 | -18.6 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 3.52 | 95.372 | 2161.406 | 0.552 | 0.5 | -7.7 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 3.52 | 271.740 | 2078.897 | 1.634 | 1.1 | 14.6 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 3.52 | 522.235 | 2060.734 | 3.168 | 2.1 | 5.9 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 3.51 | 1397.458 | 2110.474 | 8.277 | 5.4 | 7.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 3.51 | 2633.101 | 2090.481 | 15.745 | 10.1 | 1.0 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 3.51 | 12781.425 | 2048.264 | 78.002 | 50.1 | 0.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 3.51 | 25203.834 | 2135.955 | 147.497 | 95.7 | -4.3 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 3.51 | 51353.410 | 1695.551 | 378.589 | 255.9 | 2.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 3.51 | 74097.570 | 1344.177 | 689.061 | 497.6 | -0.5 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: HFPO-DA**
Coefficient of Determination: R^2 = 0.992641
Calibration curve: -0.000107893 * x^2 + 0.562265 * x + -0.0298152
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 0.250 | 3.54 | 49.466 | 1781.864 | 0.139 | 0.3 | 20.0 | NO | 0.993 | NO | bb |
| 2 | 2 190729M1_5 | Standard | 0.500 | 3.54 | 92.989 | 2142.063 | 0.217 | 0.4 | -12.2 | NO | 0.993 | NO | bb |
| 3 | 3 190729M1_6 | Standard | 1.000 | 3.54 | 202.546 | 1587.764 | 0.638 | 1.2 | 18.8 | NO | 0.993 | NO | bb |
| 4 | 4 190729M1_7 | Standard | 2.000 | 3.54 | 391.598 | 1845.140 | 1.061 | 1.9 | -2.9 | NO | 0.993 | NO | bb |
| 5 | 5 190729M1_8 | Standard | 5.000 | 3.54 | 918.908 | 1887.544 | 2.434 | 4.4 | -12.3 | NO | 0.993 | NO | bb |
| 6 | 6 190729M1_9 | Standard | 10.000 | 3.53 | 2192.276 | 2043.033 | 5.365 | 9.6 | -3.9 | NO | 0.993 | NO | bb |
| 7 | 7 190729M1_10 | Standard | 50.000 | 3.53 | 9151.433 | 2133.968 | 21.442 | 38.5 | -23.1 | NO | 0.993 | NO | bb |
| 8 | 8 190729M1_11 | Standard | 100.000 | 3.53 | 21827.871 | 1682.922 | 64.851 | 118.1 | 18.1 | NO | 0.993 | NO | bb |
| 9 | 9 190729M1_12 | Standard | 250.000 | 3.53 | 39906.246 | 1527.066 | 130.663 | 243.9 | -2.5 | NO | 0.993 | NO | bb |
| 10 | 10 190729M1_13 | Standard | 500.000 | 3.53 | 67598.477 | 1328.627 | 254.392 | 500.6 | 0.1 | NO | 0.993 | NO | bb |

**Compound name: 5:3 FTCA**
Coefficient of Determination: R^2 = 0.999993
Calibration curve: 0.000441434 * x^2 + 0.240312 * x + -0.00887296
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 0.250 | 3.89 | 57.897 | 13920.161 | 0.052 | 0.3 | 1.3 | NO | 1.000 | NO | bb |
| 2 | 2 190729M1_5 | Standard | 0.500 | 3.89 | 125.646 | 14526.993 | 0.108 | 0.5 | -2.7 | NO | 1.000 | NO | bb |
| 3 | 3 190729M1_6 | Standard | 1.000 | 3.89 | 271.450 | 14439.092 | 0.235 | 1.0 | 1.3 | NO | 1.000 | NO | bb |
| 4 | 4 190729M1_7 | Standard | 2.000 | 3.89 | 524.522 | 13815.895 | 0.475 | 2.0 | 0.2 | NO | 1.000 | NO | bb |
| 5 | 5 190729M1_8 | Standard | 5.000 | 3.89 | 1448.041 | 14942.804 | 1.211 | 5.0 | 0.6 | NO | 1.000 | NO | bb |
| 6 | 6 190729M1_9 | Standard | 10.000 | 3.88 | 2666.002 | 13773.676 | 2.419 | 9.9 | -0.8 | NO | 1.000 | NO | bb |
| 7 | 7 190729M1_10 | Standard | 50.000 | 3.88 | 14908.038 | 14196.275 | 13.127 | 50.1 | 0.1 | NO | 1.000 | NO | bb |
| 8 | 8 190729M1_11 | Standard | 100.000 | 3.88 | 31193.117 | 13714.911 | 28.430 | 100.0 | -0.0 | NO | 1.000 | NO | bb |
| 9 | 9 190729M1_12 | Standard | 250.000 | 3.88 | 15750.864 | 12091.016 | 16.284 | 61.0 | -75.6 | YES | 1.000 | NO | bbX |
| 10 | 10 190729M1_13 | Standard | 500.000 | 3.88 | 29358.180 | 9956.464 | 36.858 | 124.8 | -75.0 | YES | 1.000 | NO | bbX |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFHpA**
Correlation coefficient: r = 0.999870, r^2 = 0.999740
Calibration curve: 1.19941 * x + 0.0516863
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 3.95 | 393.167 | 13920.161 | 0.353 | 0.3 | 0.5 | NO | 1.000 | NO | bd |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 3.95 | 741.133 | 14526.993 | 0.638 | 0.5 | -2.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 3.95 | 1444.933 | 14439.092 | 1.251 | 1.0 | -0.0 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 3.95 | 2766.268 | 13815.895 | 2.503 | 2.0 | 2.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 3.95 | 7294.255 | 14942.804 | 6.102 | 5.0 | 0.9 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 3.95 | 13044.027 | 13773.676 | 11.838 | 9.8 | -1.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 3.95 | 66478.438 | 14196.275 | 58.535 | 48.8 | -2.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 3.95 | 134467.906 | 13714.911 | 122.556 | 102.1 | 2.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 3.94 | 295660.094 | 12091.016 | 305.661 | 254.8 | 1.9 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 3.94 | 472361.906 | 9956.464 | 593.034 | 494.4 | -1.1 | NO | 1.000 | NO | bb |

**Compound name: ADONA**
Correlation coefficient: r = 0.999838, r^2 = 0.999676
Calibration curve: 3.22935 * x + -0.0979755
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.07 | 828.913 | 13920.161 | 0.744 | 0.3 | 4.3 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.06 | 1824.434 | 14526.993 | 1.570 | 0.5 | 3.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.06 | 3630.430 | 14439.092 | 3.143 | 1.0 | 0.4 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.06 | 6874.040 | 13815.895 | 6.219 | 2.0 | -2.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.06 | 18539.182 | 14942.804 | 15.508 | 4.8 | -3.3 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.06 | 35175.738 | 13773.676 | 31.923 | 9.9 | -0.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.06 | 174733.516 | 14196.275 | 153.855 | 47.7 | -4.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.06 | 360949.625 | 13714.911 | 328.976 | 101.9 | 1.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.06 | 796648.688 | 12091.016 | 823.596 | 255.1 | 2.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.06 | 1274789.125 | 9956.464 | 1600.454 | 495.6 | -0.9 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: L-PFHxS**
Coefficient of Determination: R^2 = 0.999899
Calibration curve: 0.000193933 * x^2 + 0.87777 * x + -0.0109535
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.10 | 61.587 | 3914.870 | 0.197 | 0.2 | -5.4 | NO | 1.000 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.10 | 163.953 | 4198.032 | 0.488 | 0.6 | 13.7 | NO | 1.000 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.10 | 252.175 | 4057.874 | 0.777 | 0.9 | -10.3 | NO | 1.000 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.10 | 502.785 | 3893.085 | 1.614 | 1.9 | -7.5 | NO | 1.000 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.09 | 1394.615 | 3991.518 | 4.367 | 5.0 | -0.3 | NO | 1.000 | NO | MM |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.09 | 2777.387 | 3836.035 | 9.050 | 10.3 | 3.0 | NO | 1.000 | NO | MM |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.09 | 14624.833 | 3999.716 | 45.706 | 51.5 | 3.0 | NO | 1.000 | NO | MM |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.09 | 29412.105 | 4130.570 | 89.007 | 99.2 | -0.8 | NO | 1.000 | NO | MM |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.09 | 67110.539 | 3645.601 | 230.108 | 248.5 | -0.6 | NO | 1.000 | NO | MM |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.09 | 104838.570 | 2684.972 | 488.080 | 500.7 | 0.1 | NO | 1.000 | NO | MM |

**Compound name: 6:2 FTS**
Coefficient of Determination: R^2 = 0.999785
Calibration curve: -0.000783994 * x^2 + 2.96349 * x + -0.0586088
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.42 | 175.753 | 2669.795 | 0.823 | 0.3 | 19.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.42 | 260.666 | 2476.567 | 1.316 | 0.5 | -7.2 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.42 | 518.172 | 2584.509 | 2.506 | 0.9 | -13.4 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.42 | 1190.909 | 2492.499 | 5.972 | 2.0 | 1.8 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.42 | 3031.773 | 2609.373 | 14.523 | 4.9 | -1.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.41 | 5746.600 | 2627.423 | 27.340 | 9.3 | -7.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.41 | 29062.008 | 2453.373 | 148.072 | 50.7 | 1.3 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.41 | 54906.680 | 2418.458 | 283.790 | 98.3 | -1.7 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.41 | 120354.391 | 2146.132 | 700.996 | 253.6 | 1.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.41 | 188803.922 | 1841.077 | 1281.885 | 498.3 | -0.3 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: L-PFOA**
Correlation coefficient: r = 0.999598, r^2 = 0.999196
Calibration curve: 1.44693 * x + 0.0363835
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.47 | 811.786 | 24536.512 | 0.414 | 0.3 | 4.3 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.47 | 1408.432 | 24925.057 | 0.706 | 0.5 | -7.4 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.47 | 3076.620 | 24805.252 | 1.550 | 1.0 | 4.6 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.47 | 5487.397 | 23667.369 | 2.898 | 2.0 | -1.1 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.47 | 14996.224 | 25642.676 | 7.310 | 5.0 | 0.5 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.47 | 27671.512 | 23753.816 | 14.562 | 10.0 | 0.4 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.47 | 139561.516 | 24890.416 | 70.088 | 48.4 | -3.2 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.46 | 271238.156 | 22444.697 | 151.059 | 104.4 | 4.4 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.46 | 544833.313 | 19593.982 | 347.577 | 240.2 | -3.9 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.46 | 795057.813 | 13547.861 | 733.564 | 507.0 | 1.4 | NO | 0.999 | NO | bb |

**Compound name: PFecHS**
Coefficient of Determination: R^2 = 0.999727
Calibration curve: 0.000148105 * x^2 + 0.238102 * x + 0.00323966
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.49 | 136.622 | 24536.512 | 0.070 | 0.3 | 11.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.48 | 254.740 | 24925.057 | 0.128 | 0.5 | 4.6 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.48 | 480.032 | 24805.252 | 0.242 | 1.0 | 0.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.48 | 875.025 | 23667.369 | 0.462 | 1.9 | -3.7 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.48 | 2295.830 | 25642.676 | 1.119 | 4.7 | -6.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.48 | 4424.333 | 23753.816 | 2.328 | 9.7 | -2.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.48 | 22890.188 | 24890.416 | 11.495 | 46.9 | -6.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.48 | 46720.152 | 22444.697 | 26.020 | 102.7 | 2.7 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.48 | 108690.055 | 19593.982 | 69.339 | 251.8 | 0.7 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.47 | 168794.578 | 13547.861 | 155.739 | 499.1 | -0.2 | NO | 1.000 | NO | bd |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFHpS**
Coefficient of Determination: R^2 = 0.999759
Calibration curve: -0.000228065 * x^2 + 0.896205 * x + -0.0502615
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.58 | 73.259 | 4672.510 | 0.196 | 0.3 | 9.9 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.58 | 113.840 | 5052.911 | 0.282 | 0.4 | -25.9 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.58 | 360.584 | 4505.231 | 1.000 | 1.2 | 17.3 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.58 | 647.493 | 4627.870 | 1.749 | 2.0 | 0.4 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.57 | 1686.971 | 4687.457 | 4.499 | 5.1 | 1.6 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.57 | 3134.462 | 4434.295 | 8.836 | 9.9 | -0.6 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.57 | 16043.974 | 4726.433 | 42.432 | 48.0 | -4.0 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.57 | 32642.580 | 4659.192 | 87.576 | 100.3 | 0.3 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.57 | 72663.961 | 4278.858 | 212.276 | 253.2 | 1.3 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.57 | 110105.742 | 3530.024 | 389.890 | 498.3 | -0.3 | NO | 1.000 | NO | bb |

**Compound name: 7:3 FTCA**
Coefficient of Determination: R^2 = 0.999631
Calibration curve: -3.00115e-005 * x^2 + 0.216039 * x + -0.0104325
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.89 | 95.780 | 25342.219 | 0.047 | 0.3 | 6.8 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.90 | 180.652 | 27717.684 | 0.081 | 0.4 | -14.9 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.89 | 458.451 | 27803.928 | 0.206 | 1.0 | 0.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.89 | 929.369 | 25890.623 | 0.449 | 2.1 | 6.3 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.89 | 2379.572 | 26263.684 | 1.133 | 5.3 | 5.9 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.89 | 4220.754 | 25737.600 | 2.050 | 9.5 | -4.5 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.89 | 22804.156 | 26538.963 | 10.741 | 50.1 | 0.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.89 | 46094.191 | 27066.906 | 21.287 | 100.0 | -0.0 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.88 | 20860.318 | 22589.752 | 11.543 | 53.9 | -78.4 | YES | 1.000 | NO | bbX |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.88 | 33613.063 | 18054.107 | 23.272 | 109.4 | -78.1 | YES | 1.000 | NO | bbX |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFNA**
Correlation coefficient: r = 0.999845, r^2 = 0.999689
Calibration curve: 1.11872 * x + 0.01214
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.91 | 587.034 | 25342.219 | 0.290 | 0.2 | -0.8 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.91 | 1016.693 | 27717.684 | 0.459 | 0.4 | -20.2 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.90 | 2599.387 | 27803.928 | 1.169 | 1.0 | 3.4 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.90 | 4906.076 | 25890.623 | 2.369 | 2.1 | 5.3 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.90 | 12640.103 | 26263.684 | 6.016 | 5.4 | 7.3 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.90 | 24045.070 | 25737.600 | 11.678 | 10.4 | 4.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.90 | 121125.758 | 26538.963 | 57.051 | 51.0 | 2.0 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.90 | 236561.625 | 27066.906 | 109.249 | 97.6 | -2.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.90 | 515365.469 | 22589.752 | 285.177 | 254.9 | 2.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.90 | 800869.875 | 18054.107 | 554.493 | 495.6 | -0.9 | NO | 1.000 | NO | bb |

**Compound name: PFOSA**
Correlation coefficient: r = 0.999677, r^2 = 0.999353
Calibration curve: 0.971459 * x + 0.0776739
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.96 | 244.426 | 9391.810 | 0.325 | 0.3 | 2.0 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.96 | 401.204 | 9666.310 | 0.519 | 0.5 | -9.2 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.95 | 748.907 | 9573.723 | 0.978 | 0.9 | -7.3 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.96 | 1610.818 | 9425.726 | 2.136 | 2.1 | 6.0 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.95 | 3799.748 | 9644.825 | 4.925 | 5.0 | -0.2 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.95 | 7524.736 | 9436.229 | 9.968 | 10.2 | 1.8 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.95 | 38045.402 | 9580.723 | 49.638 | 51.0 | 2.0 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.95 | 74645.227 | 9006.730 | 103.596 | 106.6 | 6.6 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.95 | 161292.453 | 8304.565 | 242.777 | 249.8 | -0.1 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.94 | 252958.500 | 6608.896 | 478.443 | 492.4 | -1.5 | NO | 0.999 | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: L-PFOS**
Correlation coefficient: r = 0.999859, r^2 = 0.999719
Calibration curve: 1.05192 * x + -0.0574802
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 4.99 | 74.013 | 4672.510 | 0.198 | 0.2 | -2.9 | NO | 1.000 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 4.99 | 183.345 | 5052.911 | 0.454 | 0.5 | -2.8 | NO | 1.000 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 4.98 | 348.591 | 4505.231 | 0.967 | 1.0 | -2.6 | NO | 1.000 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 4.98 | 704.401 | 4627.870 | 1.903 | 1.9 | -6.8 | NO | 1.000 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 4.98 | 1892.010 | 4687.457 | 5.045 | 4.9 | -3.0 | NO | 1.000 | NO | MM |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 4.98 | 3568.332 | 4434.295 | 10.059 | 9.6 | -3.8 | NO | 1.000 | NO | MM |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 4.98 | 19264.941 | 4726.433 | 50.950 | 48.5 | -3.0 | NO | 1.000 | NO | MM |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 4.98 | 40035.887 | 4659.192 | 107.411 | 102.2 | 2.2 | NO | 1.000 | NO | MM |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 4.98 | 91630.242 | 4278.858 | 267.683 | 254.5 | 1.8 | NO | 1.000 | NO | MM |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 4.97 | 147189.234 | 3530.024 | 521.205 | 495.5 | -0.9 | NO | 1.000 | NO | MM |

**Compound name: 9Cl-PF30NS**
Coefficient of Determination: R^2 = 0.999845
Calibration curve: -0.000336728 * x^2 + 2.26666 * x + -0.259188
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.20 | 95.589 | 4672.510 | 0.256 | 0.2 | -9.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.20 | 381.117 | 5052.911 | 0.943 | 0.5 | 6.1 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.20 | 795.545 | 4505.231 | 2.207 | 1.1 | 8.8 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.19 | 1639.605 | 4627.870 | 4.429 | 2.1 | 3.4 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.19 | 3924.895 | 4687.457 | 10.466 | 4.7 | -5.3 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.19 | 7740.215 | 4434.295 | 21.819 | 9.8 | -2.5 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.19 | 40966.066 | 4726.433 | 108.343 | 48.3 | -3.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.19 | 84536.867 | 4659.192 | 226.801 | 101.7 | 1.7 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.19 | 187541.547 | 4278.858 | 547.873 | 251.2 | 0.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.19 | 295755.844 | 3530.024 | 1047.287 | 499.2 | -0.2 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFDA**
Correlation coefficient: r = 0.998782, r^2 = 0.997565
Calibration curve: 1.20023 * x + 0.0244726
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.28 | 630.053 | 27483.381 | 0.287 | 0.2 | -12.7 | NO | 0.998 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.28 | 1371.911 | 28352.070 | 0.605 | 0.5 | -3.3 | NO | 0.998 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.28 | 2639.823 | 28168.307 | 1.171 | 1.0 | -4.4 | NO | 0.998 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.28 | 5242.399 | 27482.162 | 2.384 | 2.0 | -1.7 | NO | 0.998 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.27 | 14279.620 | 28234.096 | 6.322 | 5.2 | 4.9 | NO | 0.998 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.27 | 27529.506 | 26305.615 | 13.082 | 10.9 | 8.8 | NO | 0.998 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.27 | 134371.594 | 27379.840 | 61.346 | 51.1 | 2.2 | NO | 0.998 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.27 | 268133.969 | 26750.973 | 125.292 | 104.4 | 4.4 | NO | 0.998 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.27 | 598691.563 | 23493.758 | 318.538 | 265.4 | 6.2 | NO | 0.998 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.27 | 880065.625 | 19167.668 | 573.926 | 478.2 | -4.4 | NO | 0.998 | NO | bb |

**Compound name: 8:2 FTS**
Coefficient of Determination: R^2 = 0.999034
Calibration curve: -0.000714921 * x^2 + 2.07961 * x + -0.190432
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.26 | 72.639 | 3070.784 | 0.296 | 0.2 | -6.5 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.25 | 166.474 | 2928.572 | 0.711 | 0.4 | -13.3 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.25 | 349.362 | 3093.406 | 1.412 | 0.8 | -22.9 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.25 | 960.296 | 2970.253 | 4.041 | 2.0 | 1.8 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.25 | 2625.086 | 2921.774 | 11.231 | 5.5 | 10.0 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.25 | 4417.388 | 2791.179 | 19.783 | 9.6 | -3.6 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.25 | 22657.830 | 2768.041 | 102.319 | 50.2 | 0.3 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.24 | 42574.500 | 2797.178 | 190.256 | 94.7 | -5.3 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.24 | 85391.000 | 2171.250 | 491.600 | 259.7 | 3.9 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.24 | 127337.195 | 1862.430 | 854.644 | 495.4 | -0.9 | NO | 0.999 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:10:37 Pacific Daylight Time

**Compound name: PFNS**
Correlation coefficient: r = 0.999219, r^2 = 0.998440
Calibration curve: 0.700571 * x + 0.0525474
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.34 | 68.633 | 4672.510 | 0.184 | 0.2 | -25.2 | NO | 0.998 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.34 | 147.538 | 5052.911 | 0.365 | 0.4 | -10.8 | NO | 0.998 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.34 | 291.258 | 4505.231 | 0.808 | 1.1 | 7.8 | NO | 0.998 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.34 | 582.765 | 4627.870 | 1.574 | 2.2 | 8.6 | NO | 0.998 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.33 | 1377.395 | 4687.457 | 3.673 | 5.2 | 3.4 | NO | 0.998 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.33 | 2654.986 | 4434.295 | 7.484 | 10.6 | 6.1 | NO | 0.998 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.33 | 13767.304 | 4726.433 | 36.410 | 51.9 | 3.8 | NO | 0.998 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.33 | 27876.844 | 4659.192 | 74.790 | 106.7 | 6.7 | NO | 0.998 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.33 | 61788.766 | 4278.858 | 180.506 | 257.6 | 3.0 | NO | 0.998 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.33 | 95559.477 | 3530.024 | 338.381 | 482.9 | -3.4 | NO | 0.998 | NO | bb |

**Compound name: L-MeFOSAA**
Coefficient of Determination: R^2 = 0.999452
Calibration curve: -0.000161741 * x^2 + 1.97389 * x + -0.0062902
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.43 | 255.490 | 6978.603 | 0.458 | 0.2 | -6.0 | NO | 0.999 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.43 | 496.409 | 7540.333 | 0.823 | 0.4 | -16.0 | NO | 0.999 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.43 | 1189.325 | 6979.592 | 2.130 | 1.1 | 8.2 | NO | 0.999 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.43 | 2273.347 | 6719.631 | 4.229 | 2.1 | 7.3 | NO | 0.999 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.42 | 5865.461 | 7600.526 | 9.646 | 4.9 | -2.2 | NO | 0.999 | NO | MM |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.42 | 11577.932 | 7051.589 | 20.524 | 10.4 | 4.1 | NO | 0.999 | NO | MM |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.42 | 56834.531 | 6755.426 | 105.165 | 53.5 | 7.0 | NO | 0.999 | NO | MM |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.42 | 113390.031 | 7280.886 | 194.671 | 99.4 | -0.6 | NO | 0.999 | NO | MM |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.41 | 247811.797 | 6576.221 | 471.038 | 243.5 | -2.6 | NO | 0.999 | NO | MM |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.42 | 387985.156 | 5093.389 | 952.178 | 503.1 | 0.6 | NO | 0.999 | NO | MM |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Compound name: L-EtFOSAA**
Correlation coefficient: r = 0.999888, r^2 = 0.999777
Calibration curve: 1.17588 * x + 0.0243145
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.58 | 268.844 | 9854.571 | 0.341 | 0.3 | 7.7 | NO | 1.000 | NO | MM |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.58 | 424.804 | 9738.924 | 0.545 | 0.4 | -11.4 | NO | 1.000 | NO | MM |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.58 | 958.537 | 9832.552 | 1.219 | 1.0 | 1.6 | NO | 1.000 | NO | MM |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.58 | 1721.485 | 9075.688 | 2.371 | 2.0 | -0.2 | NO | 1.000 | NO | MM |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.58 | 4786.805 | 9848.375 | 6.076 | 5.1 | 2.9 | NO | 1.000 | NO | MM |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.57 | 9378.728 | 9727.719 | 12.052 | 10.2 | 2.3 | NO | 1.000 | NO | MM |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.57 | 45174.410 | 9091.235 | 62.113 | 52.8 | 5.6 | NO | 1.000 | NO | MM |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.57 | 90927.141 | 9604.143 | 118.344 | 100.6 | 0.6 | NO | 1.000 | NO | MM |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.57 | 187433.484 | 7983.138 | 293.483 | 249.6 | -0.2 | NO | 1.000 | NO | MM |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.57 | 290655.594 | 6220.777 | 584.042 | 496.7 | -0.7 | NO | 1.000 | NO | MM |

**Compound name: PFUdA**
Correlation coefficient: r = 0.999716, r^2 = 0.999433
Calibration curve: 0.854381 * x + 0.0817126
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.60 | 823.826 | 34974.523 | 0.294 | 0.2 | -0.4 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.60 | 1348.983 | 37405.906 | 0.451 | 0.4 | -13.6 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.60 | 2737.848 | 37593.117 | 0.910 | 1.0 | -3.0 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.60 | 5242.249 | 35871.285 | 1.827 | 2.0 | 2.1 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.59 | 13393.153 | 37305.727 | 4.488 | 5.2 | 3.1 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.59 | 26001.455 | 35705.965 | 9.103 | 10.6 | 5.6 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.59 | 127008.344 | 35859.098 | 44.273 | 51.7 | 3.4 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.59 | 256322.328 | 36498.496 | 87.785 | 102.7 | 2.7 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.59 | 552612.750 | 31640.381 | 218.318 | 255.4 | 2.2 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.59 | 806644.250 | 24103.059 | 418.331 | 489.5 | -2.1 | NO | 0.999 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: PFDS**
Coefficient of Determination: R^2 = 0.999677
Calibration curve: 0.00123982 * x^2 + 1.66632 * x + -0.190169
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.65 | 34.181 | 3070.784 | 0.139 | 0.2 | -21.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.64 | 207.160 | 2928.572 | 0.884 | 0.6 | 28.9 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.64 | 316.089 | 3093.406 | 1.277 | 0.9 | -12.0 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.64 | 702.051 | 2970.253 | 2.955 | 1.9 | -5.8 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.64 | 2088.111 | 2921.774 | 8.933 | 5.5 | 9.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.64 | 3721.921 | 2791.179 | 16.668 | 10.0 | 0.4 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.64 | 19453.230 | 2768.041 | 87.847 | 50.9 | 1.8 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.64 | 39320.813 | 2797.178 | 175.716 | 98.4 | -1.6 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.63 | 85944.625 | 2171.250 | 494.788 | 250.4 | 0.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.63 | 134093.484 | 1862.430 | 899.990 | 413.2 | -17.4 | NO | 1.000 | NO | bbX |

**Compound name: 11Cl-PF30UdS**
Coefficient of Determination: R^2 = 0.999605
Calibration curve: -1.10606e-005 * x^2 + 0.0579901 * x + -0.0171324
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.80 | 28.827 | 35013.457 | 0.010 | 0.5 | 89.2 | YES | 1.000 | NO | bbX |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.80 | 37.374 | 34642.453 | 0.013 | 0.5 | 5.6 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.80 | 102.577 | 36063.367 | 0.036 | 0.9 | -9.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.80 | 335.375 | 36781.844 | 0.114 | 2.3 | 13.1 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.79 | 788.092 | 36436.469 | 0.270 | 5.0 | -0.8 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.79 | 1477.621 | 34979.012 | 0.528 | 9.4 | -5.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.79 | 7801.554 | 36213.023 | 2.693 | 47.2 | -5.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.79 | 16473.514 | 35732.387 | 5.763 | 101.6 | 1.6 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.79 | 37300.289 | 33348.723 | 13.981 | 253.7 | 1.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.79 | 57973.250 | 27748.766 | 26.115 | 497.9 | -0.4 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 10:2 FTS**
Coefficient of Determination: R^2 = 0.999160
Calibration curve: -0.0016414 * x^2 + 2.77226 * x + 0.0958385
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.87 | 147.972 | 3070.784 | 0.602 | 0.2 | -26.9 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.87 | 358.423 | 2928.572 | 1.530 | 0.5 | 3.5 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.87 | 728.236 | 3093.406 | 2.943 | 1.0 | 2.8 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.87 | 1332.267 | 2970.253 | 5.607 | 2.0 | -0.5 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.86 | 3582.949 | 2921.774 | 15.329 | 5.5 | 10.3 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.86 | 6894.913 | 2791.179 | 30.878 | 11.2 | 11.8 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.86 | 30877.268 | 2768.041 | 139.436 | 51.9 | 3.7 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.86 | 55542.516 | 2797.178 | 248.208 | 94.8 | -5.2 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.86 | 103048.789 | 2171.250 | 593.257 | 251.4 | 0.6 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.86 | 145494.375 | 1862.430 | 976.509 | 500.6 | 0.1 | NO | 0.999 | NO | bb |

**Compound name: PFDoA**
Coefficient of Determination: R^2 = 0.999804
Calibration curve: -0.00050387 * x^2 + 1.03265 * x + 0.0560715
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 5.88 | 827.268 | 35013.457 | 0.295 | 0.2 | -7.3 | NO | 1.000 | NO | db |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 5.88 | 1552.364 | 34642.453 | 0.560 | 0.5 | -2.4 | NO | 1.000 | NO | db |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 5.87 | 3131.374 | 36063.367 | 1.085 | 1.0 | -0.3 | NO | 1.000 | NO | db |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 5.88 | 6560.042 | 36781.844 | 2.229 | 2.1 | 5.3 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 5.87 | 15876.454 | 36436.469 | 5.447 | 5.2 | 4.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 5.87 | 29443.016 | 34979.012 | 10.522 | 10.2 | 1.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 5.87 | 140889.891 | 36213.023 | 48.632 | 48.2 | -3.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 5.87 | 286617.031 | 35732.387 | 100.265 | 102.1 | 2.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 5.87 | 602387.813 | 33348.723 | 225.791 | 248.8 | -0.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 5.87 | 867224.438 | 27748.766 | 390.659 | 500.5 | 0.1 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: N-MeFOSA**
Coefficient of Determination: R^2 = 0.999352
Calibration curve: -9.75943e-005 * x^2 + 1.09193 * x + 0.265341
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 1.250 | 5.82 | 157.457 | 17200.094 | 1.373 | 1.0 | -18.8 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 2.500 | 5.82 | 356.039 | 17386.766 | 3.072 | 2.6 | 2.8 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 5.82 | 728.626 | 17468.699 | 6.257 | 5.5 | 9.8 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 10.000 | 5.82 | 1311.489 | 16675.672 | 11.797 | 10.6 | 5.7 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 25.000 | 5.82 | 3626.360 | 17662.811 | 30.797 | 28.0 | 12.1 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 50.000 | 5.81 | 6761.436 | 17534.330 | 57.842 | 53.0 | 6.0 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 250.000 | 5.82 | 32135.369 | 17438.555 | 276.417 | 258.9 | 3.6 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 500.000 | 5.82 | 61832.898 | 17633.932 | 525.971 | 504.2 | 0.8 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 1250.000 | 5.81 | 129277.211 | 16509.078 | 1174.601 | 1205.3 | -3.6 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 2500.000 | 5.81 | 197085.234 | 13831.701 | 2137.321 | 2528.6 | 1.1 | NO | 0.999 | NO | bb |

**Compound name: PFTrDA**
Coefficient of Determination: R^2 = 0.999555
Calibration curve: -0.000638254 * x^2 + 1.10526 * x + 0.0283395
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 6.12 | 856.623 | 35013.457 | 0.306 | 0.3 | 0.4 | NO | 1.000 | NO | bd |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 6.12 | 1663.216 | 34642.453 | 0.600 | 0.5 | 3.5 | NO | 1.000 | NO | db |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 6.12 | 3323.863 | 36063.367 | 1.152 | 1.0 | 1.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 6.12 | 6338.343 | 36781.844 | 2.154 | 1.9 | -3.7 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.12 | 15825.521 | 36436.469 | 5.429 | 4.9 | -2.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 6.12 | 30440.520 | 34979.012 | 10.878 | 9.9 | -1.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 6.12 | 153978.625 | 36213.023 | 53.150 | 49.5 | -1.0 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 6.11 | 309990.688 | 35732.387 | 108.442 | 104.4 | 4.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 6.11 | 616761.000 | 33348.723 | 231.179 | 243.3 | -2.7 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 6.11 | 876726.500 | 27748.766 | 394.939 | 504.0 | 0.8 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: PFDoS**
Coefficient of Determination: R^2 = 0.999649
Calibration curve: -1.1569e-005 * x^2 + 0.157997 * x + -0.00836629
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 6.14 | 72.217 | 23691.666 | 0.038 | 0.3 | 17.6 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 6.14 | 106.209 | 24358.754 | 0.055 | 0.4 | -20.4 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 6.14 | 277.298 | 24551.004 | 0.141 | 0.9 | -5.3 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 6.14 | 652.633 | 23818.424 | 0.343 | 2.2 | 11.1 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.13 | 1591.023 | 25250.496 | 0.788 | 5.0 | 0.8 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 6.13 | 3037.319 | 24241.840 | 1.566 | 10.0 | -0.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 6.13 | 15102.355 | 24876.725 | 7.589 | 48.3 | -3.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 6.13 | 31095.865 | 25274.918 | 15.379 | 98.1 | -1.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 6.13 | 67687.375 | 21313.631 | 39.697 | 256.1 | 2.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 6.13 | 106165.016 | 17526.000 | 75.720 | 497.4 | -0.5 | NO | 1.000 | NO | bb |

**Compound name: PFTeDA**
Correlation coefficient: r = 0.999788, r^2 = 0.999576
Calibration curve: 1.45286 * x + 0.0731245
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 6.33 | 792.736 | 23691.666 | 0.418 | 0.2 | -5.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 6.33 | 1516.282 | 24358.754 | 0.778 | 0.5 | -3.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 6.32 | 2784.243 | 24551.004 | 1.418 | 0.9 | -7.5 | NO | 1.000 | NO | bd |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 6.32 | 5837.309 | 23818.424 | 3.063 | 2.1 | 2.9 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.32 | 15218.674 | 25250.496 | 7.534 | 5.1 | 2.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 6.32 | 29578.586 | 24241.840 | 15.252 | 10.4 | 4.5 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 6.32 | 150187.344 | 24876.725 | 75.466 | 51.9 | 3.8 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 6.32 | 297437.563 | 25274.918 | 147.101 | 101.2 | 1.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 6.32 | 632406.313 | 21313.631 | 370.893 | 255.2 | 2.1 | NO | 1.000 | NO | db |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 6.31 | 1000560.500 | 17526.000 | 713.626 | 491.1 | -1.8 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: N-EtFOSA**
Coefficient of Determination: R^2 = 0.999929
Calibration curve: -4.03533e-005 * x^2 + 0.943736 * x + 0.0298142
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 1.250 | 6.19 | 148.531 | 20672.115 | 1.078 | 1.1 | -11.2 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 2.500 | 6.18 | 338.093 | 21047.332 | 2.410 | 2.5 | 0.9 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 6.18 | 673.242 | 21263.369 | 4.749 | 5.0 | 0.0 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 10.000 | 6.18 | 1412.524 | 20704.453 | 10.233 | 10.8 | 8.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 25.000 | 6.18 | 3471.477 | 21121.418 | 24.654 | 26.1 | 4.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 50.000 | 6.18 | 6490.082 | 20817.078 | 46.765 | 49.6 | -0.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 250.000 | 6.18 | 31837.660 | 20896.703 | 228.536 | 244.7 | -2.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 500.000 | 6.18 | 62652.652 | 20339.850 | 462.044 | 500.3 | 0.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 1250.000 | 6.18 | 134253.578 | 17942.209 | 1122.383 | 1256.8 | 0.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 2500.000 | 6.18 | 205206.797 | 14624.688 | 2104.730 | 2496.7 | -0.1 | NO | 1.000 | NO | bb |

**Compound name: PFHxDA**
Coefficient of Determination: R^2 = 0.999880
Calibration curve: -0.000176255 * x^2 + 0.600392 * x + 0.0572277
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 6.63 | 471.950 | 11578.826 | 0.204 | 0.2 | -2.3 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 6.62 | 815.877 | 12019.940 | 0.339 | 0.5 | -6.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 6.63 | 1657.365 | 12736.609 | 0.651 | 1.0 | -1.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 6.62 | 3143.660 | 12052.693 | 1.304 | 2.1 | 3.9 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.62 | 7494.834 | 12561.249 | 2.983 | 4.9 | -2.4 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 6.62 | 14961.038 | 11478.758 | 6.517 | 10.8 | 7.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 6.62 | 74415.656 | 12431.155 | 29.931 | 50.5 | 1.0 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 6.62 | 148672.594 | 12804.818 | 58.053 | 99.5 | -0.5 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 6.62 | 318032.063 | 11503.375 | 138.234 | 248.2 | -0.7 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 6.62 | 512639.000 | 9986.749 | 256.660 | 501.1 | 0.2 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: PFODA**
Correlation coefficient: r = 0.998483, r^2 = 0.996968
Calibration curve: 0.725768 * x + 0.0498033
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 0.250 | 6.85 | 526.792 | 11578.826 | 0.227 | 0.2 | -2.1 | NO | 0.997 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 0.500 | 6.84 | 923.605 | 12019.940 | 0.384 | 0.5 | -7.9 | NO | 0.997 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 1.000 | 6.84 | 1906.705 | 12736.609 | 0.749 | 1.0 | -3.7 | NO | 0.997 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 2.000 | 6.84 | 3812.342 | 12052.693 | 1.582 | 2.1 | 5.5 | NO | 0.997 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.84 | 9836.074 | 12561.249 | 3.915 | 5.3 | 6.5 | NO | 0.997 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 10.000 | 6.84 | 19293.264 | 11478.758 | 8.404 | 11.5 | 15.1 | NO | 0.997 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 50.000 | 6.84 | 99333.336 | 12431.155 | 39.953 | 55.0 | 10.0 | NO | 0.997 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 100.000 | 6.84 | 192073.125 | 12804.818 | 75.000 | 103.3 | 3.3 | NO | 0.997 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 250.000 | 6.84 | 440438.750 | 11503.375 | 191.439 | 263.7 | 5.5 | NO | 0.997 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 500.000 | 6.84 | 690371.313 | 9986.749 | 345.644 | 476.2 | -4.8 | NO | 0.997 | NO | bb |

**Compound name: N-MeFOSE**
Correlation coefficient: r = 0.999686, r^2 = 0.999372
Calibration curve: 1.04437 * x + -0.0825141
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 1.250 | 6.30 | 111.546 | 14346.344 | 1.166 | 1.2 | -4.3 | NO | 0.999 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 2.500 | 6.31 | 239.133 | 14447.529 | 2.483 | 2.5 | -1.7 | NO | 0.999 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 6.30 | 507.642 | 14498.054 | 5.252 | 5.1 | 2.2 | NO | 0.999 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 10.000 | 6.31 | 989.846 | 14192.990 | 10.461 | 10.1 | 1.0 | NO | 0.999 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 25.000 | 6.31 | 2497.991 | 14717.501 | 25.459 | 24.5 | -2.2 | NO | 0.999 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 50.000 | 6.30 | 4974.131 | 14469.175 | 51.566 | 49.5 | -1.1 | NO | 0.999 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 250.000 | 6.31 | 26074.707 | 14453.302 | 270.610 | 259.2 | 3.7 | NO | 0.999 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 500.000 | 6.31 | 54744.328 | 15463.164 | 531.046 | 508.6 | 1.7 | NO | 0.999 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 1250.000 | 6.30 | 131763.859 | 14695.912 | 1344.903 | 1287.8 | 3.0 | NO | 0.999 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 2500.000 | 6.30 | 228116.516 | 13398.671 | 2553.796 | 2445.4 | -2.2 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: N-EtFOSE**
Correlation coefficient: r = 0.999916, r^2 = 0.999833
Calibration curve: 1.19031 * x + -0.345382
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 1.250 | 6.46 | 104.578 | 15170.693 | 1.034 | 1.2 | -7.3 | NO | 1.000 | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 2.500 | 6.46 | 281.394 | 15021.385 | 2.810 | 2.7 | 6.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 6.45 | 573.238 | 15031.942 | 5.720 | 5.1 | 1.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 10.000 | 6.46 | 1087.283 | 15120.022 | 10.787 | 9.4 | -6.5 | NO | 1.000 | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 25.000 | 6.45 | 3130.858 | 15960.808 | 29.424 | 25.0 | 0.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 50.000 | 6.46 | 5974.637 | 14848.908 | 60.354 | 51.0 | 2.0 | NO | 1.000 | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 250.000 | 6.45 | 31690.010 | 15482.763 | 307.019 | 258.2 | 3.3 | NO | 1.000 | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 500.000 | 6.46 | 64338.891 | 16166.563 | 596.963 | 501.8 | 0.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 1250.000 | 6.46 | 156812.516 | 15636.404 | 1504.302 | 1264.1 | 1.1 | NO | 1.000 | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 2500.000 | 6.46 | 277084.594 | 14107.628 | 2946.115 | 2475.4 | -1.0 | NO | 1.000 | NO | bb |

**Compound name: 13C3-PFBA**
Response Factor: 0.743233
RRF SD: 0.00925243, Relative SD: 1.24489
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 1.56 | 12916.104 | 17034.070 | 9.478 | 12.8 | 2.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 1.56 | 13389.392 | 17810.396 | 9.397 | 12.6 | 1.1 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 1.56 | 13307.255 | 18159.914 | 9.160 | 12.3 | -1.4 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 1.56 | 12981.020 | 17634.955 | 9.201 | 12.4 | -1.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 1.56 | 13665.087 | 18215.846 | 9.377 | 12.6 | 0.9 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 1.56 | 13027.946 | 17899.375 | 9.098 | 12.2 | -2.1 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 1.56 | 13684.505 | 18313.887 | 9.340 | 12.6 | 0.5 | NO | | NO | MM |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 1.56 | 14471.634 | 19417.066 | 9.316 | 12.5 | 0.3 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 1.55 | 13488.090 | 18184.607 | 9.272 | 12.5 | -0.2 | NO | | NO | MM |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 1.55 | 11322.577 | 15276.990 | 9.264 | 12.5 | -0.3 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: 13C3-PFPeA**
Response Factor: 0.519356
RRF SD: 0.0176292, Relative SD: 3.39443
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 2.56 | 15503.537 | 29118.736 | 6.655 | 12.8 | 2.5 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 2.55 | 16107.852 | 31557.412 | 6.380 | 12.3 | -1.7 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 2.55 | 15767.612 | 31052.717 | 6.347 | 12.2 | -2.2 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 2.55 | 15366.315 | 30929.881 | 6.210 | 12.0 | -4.3 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 2.55 | 15893.568 | 31591.801 | 6.289 | 12.1 | -3.1 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 2.55 | 15445.689 | 30724.701 | 6.284 | 12.1 | -3.2 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 2.55 | 15797.732 | 30166.207 | 6.546 | 12.6 | 0.8 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 2.55 | 16141.446 | 30605.186 | 6.593 | 12.7 | 1.6 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 2.55 | 14583.549 | 26712.920 | 6.824 | 13.1 | 5.1 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 2.54 | 11749.477 | 21626.863 | 6.791 | 13.1 | 4.6 | NO | | NO | bb |

**Compound name: 13C3-PFBS**
Response Factor: 1.09723
RRF SD: 0.0753229, Relative SD: 6.8648
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 2.83 | 1993.116 | 1851.466 | 13.456 | 12.3 | -1.9 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 2.83 | 2161.406 | 1845.140 | 14.643 | 13.3 | 6.8 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 2.82 | 2078.897 | 1726.299 | 15.053 | 13.7 | 9.8 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 2.82 | 2060.734 | 1943.921 | 13.251 | 12.1 | -3.4 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 2.82 | 2110.474 | 1919.054 | 13.747 | 12.5 | 0.2 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 2.82 | 2090.481 | 1761.715 | 14.833 | 13.5 | 8.1 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 2.82 | 2048.264 | 1817.803 | 14.085 | 12.8 | 2.7 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 2.82 | 2135.955 | 2024.013 | 13.191 | 12.0 | -3.8 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 2.82 | 1695.551 | 1663.507 | 12.741 | 11.6 | -7.1 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 2.81 | 1344.177 | 1382.382 | 12.155 | 11.1 | -11.4 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 13C3-HFPO-DA**
Response Factor: 0.152607
RRF SD: 0.0150045, Relative SD: 9.83213
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 5.000 | 3.54 | 1781.864 | 29118.736 | 0.765 | 5.0 | 0.2 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 5.000 | 3.54 | 2142.063 | 31557.412 | 0.848 | 5.6 | 11.2 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 3.54 | 1587.764 | 31052.717 | 0.639 | 4.2 | -16.2 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 5.000 | 3.54 | 1845.140 | 30929.881 | 0.746 | 4.9 | -2.3 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 3.53 | 1887.544 | 31591.801 | 0.747 | 4.9 | -2.1 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 5.000 | 3.53 | 2043.033 | 30724.701 | 0.831 | 5.4 | 8.9 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 5.000 | 3.53 | 2133.968 | 30166.207 | 0.884 | 5.8 | 15.9 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 5.000 | 3.53 | 1682.922 | 30605.186 | 0.687 | 4.5 | -9.9 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 5.000 | 3.53 | 1527.066 | 26712.920 | 0.715 | 4.7 | -6.4 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 5.000 | 3.53 | 1328.627 | 21626.863 | 0.768 | 5.0 | 0.6 | NO | | NO | bb |

**Compound name: 13C2-4:2 FTS**
Response Factor: 1.77335
RRF SD: 0.173323, Relative SD: 9.77375
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 3.23 | 3459.123 | 1851.466 | 23.354 | 13.2 | 5.4 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 3.23 | 3595.509 | 1845.140 | 24.358 | 13.7 | 9.9 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 3.23 | 3487.027 | 1726.299 | 25.249 | 14.2 | 13.9 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 3.22 | 3530.975 | 1943.921 | 22.705 | 12.8 | 2.4 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 3.22 | 3538.321 | 1919.054 | 23.047 | 13.0 | 4.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 3.22 | 3240.552 | 1761.715 | 22.993 | 13.0 | 3.7 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 3.22 | 3176.126 | 1817.803 | 21.840 | 12.3 | -1.5 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 3.22 | 3026.424 | 2024.013 | 18.691 | 10.5 | -15.7 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 3.22 | 2695.174 | 1663.507 | 20.252 | 11.4 | -8.6 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 3.22 | 2120.966 | 1382.382 | 19.179 | 10.8 | -13.5 | NO | | NO | bb |

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Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: 13C2-PFHxA**
Response Factor: 1.00132
RRF SD: 0.0248531, Relative SD: 2.48204
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 5.000 | 3.32 | 11835.756 | 29118.736 | 5.081 | 5.1 | 1.5 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 5.000 | 3.32 | 12595.986 | 31557.412 | 4.989 | 5.0 | -0.3 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 5.000 | 3.32 | 11918.678 | 31052.717 | 4.798 | 4.8 | -4.2 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 5.000 | 3.32 | 11989.908 | 30929.881 | 4.846 | 4.8 | -3.2 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 5.000 | 3.32 | 12627.976 | 31591.801 | 4.997 | 5.0 | -0.2 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 5.000 | 3.32 | 12304.030 | 30724.701 | 5.006 | 5.0 | -0.0 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 5.000 | 3.32 | 12068.062 | 30166.207 | 5.001 | 5.0 | -0.1 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 5.000 | 3.31 | 12217.189 | 30605.186 | 4.990 | 5.0 | -0.3 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 5.000 | 3.31 | 11155.104 | 26712.920 | 5.220 | 5.2 | 4.3 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 5.000 | 3.31 | 8892.475 | 21626.863 | 5.140 | 5.1 | 2.7 | NO | | NO | bb |

**Compound name: 13C4-PFHpA**
Response Factor: 0.460307
RRF SD: 0.0112594, Relative SD: 2.44606
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 12.500 | 3.95 | 13920.161 | 29118.736 | 5.976 | 13.0 | 3.9 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 12.500 | 3.95 | 14526.993 | 31557.412 | 5.754 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 12.500 | 3.95 | 14439.092 | 31052.717 | 5.812 | 12.6 | 1.0 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 12.500 | 3.95 | 13815.895 | 30929.881 | 5.584 | 12.1 | -3.0 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 12.500 | 3.95 | 14942.804 | 31591.801 | 5.912 | 12.8 | 2.8 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 12.500 | 3.95 | 13773.676 | 30724.701 | 5.604 | 12.2 | -2.6 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 12.500 | 3.95 | 14196.275 | 30166.207 | 5.883 | 12.8 | 2.2 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 12.500 | 3.95 | 13714.911 | 30605.186 | 5.602 | 12.2 | -2.6 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 12.500 | 3.94 | 12091.016 | 26712.920 | 5.658 | 12.3 | -1.7 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 12.500 | 3.94 | 9956.464 | 21626.863 | 5.755 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: 13C3-PFHxS**
Response Factor: 2.13752
RRF SD: 0.125749, Relative SD: 5.88292
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.10 | 3914.870 | 1851.466 | 26.431 | 12.4 | -1.1 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.10 | 4198.032 | 1845.140 | 28.440 | 13.3 | 6.4 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.10 | 4057.874 | 1726.299 | 29.383 | 13.7 | 10.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.10 | 3893.085 | 1943.921 | 25.034 | 11.7 | -6.3 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.09 | 3991.518 | 1919.054 | 25.999 | 12.2 | -2.7 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.09 | 3836.035 | 1761.715 | 27.218 | 12.7 | 1.9 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.09 | 3999.716 | 1817.803 | 27.504 | 12.9 | 2.9 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.09 | 4130.570 | 2024.013 | 25.510 | 11.9 | -4.5 | NO | | NO | bd |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.09 | 3645.601 | 1663.507 | 27.394 | 12.8 | 2.5 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.09 | 2684.972 | 1382.382 | 24.278 | 11.4 | -9.1 | NO | | NO | bb |

**Compound name: 13C2-6:2 FTS**
Response Factor: 0.539873
RRF SD: 0.0316879, Relative SD: 5.86951
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.42 | 2669.795 | 4589.203 | 7.272 | 13.5 | 7.8 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.42 | 2476.567 | 4627.790 | 6.689 | 12.4 | -0.9 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.42 | 2584.509 | 4568.674 | 7.071 | 13.1 | 4.8 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.42 | 2492.499 | 4573.615 | 6.812 | 12.6 | 0.9 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.42 | 2609.373 | 4835.784 | 6.745 | 12.5 | -0.1 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.41 | 2627.423 | 4486.191 | 7.321 | 13.6 | 8.5 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.41 | 2453.373 | 4916.801 | 6.237 | 11.6 | -7.6 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.41 | 2418.458 | 4774.014 | 6.332 | 11.7 | -6.2 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.41 | 2146.132 | 4302.600 | 6.235 | 11.5 | -7.6 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.41 | 1841.077 | 3399.870 | 6.769 | 12.5 | 0.3 | NO | | NO | bb |

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**Compound name: 13C5-PFNA**
Response Factor: 1.02665
RRF SD: 0.0200887, Relative SD: 1.95673
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.91 | 25342.219 | 24527.934 | 12.915 | 12.6 | 0.6 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.91 | 27717.684 | 25949.342 | 13.352 | 13.0 | 4.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.90 | 27803.928 | 26524.707 | 13.103 | 12.8 | 2.1 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.91 | 25890.623 | 25694.428 | 12.595 | 12.3 | -1.9 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.90 | 26263.684 | 25903.590 | 12.674 | 12.3 | -1.2 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.90 | 25737.600 | 25490.363 | 12.621 | 12.3 | -1.7 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.90 | 26538.963 | 26235.797 | 12.644 | 12.3 | -1.5 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.90 | 27066.906 | 26031.605 | 12.997 | 12.7 | 1.3 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.90 | 22589.752 | 22258.723 | 12.686 | 12.4 | -1.1 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.90 | 18054.107 | 17709.250 | 12.743 | 12.4 | -0.7 | NO | | NO | bb |

**Compound name: 13C8-PFOSA**
Response Factor: 0.234529
RRF SD: 0.0106504, Relative SD: 4.54117
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.96 | 9391.810 | 39385.379 | 2.981 | 12.7 | 1.7 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.95 | 9666.310 | 40461.789 | 2.986 | 12.7 | 1.9 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.95 | 9573.723 | 43486.801 | 2.752 | 11.7 | -6.1 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.95 | 9425.726 | 41506.121 | 2.839 | 12.1 | -3.2 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.95 | 9644.825 | 41491.816 | 2.906 | 12.4 | -0.9 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.95 | 9436.229 | 40373.914 | 2.922 | 12.5 | -0.3 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.95 | 9580.723 | 40823.645 | 2.934 | 12.5 | 0.1 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.95 | 9006.730 | 40439.133 | 2.784 | 11.9 | -5.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.95 | 8304.565 | 34761.898 | 2.986 | 12.7 | 1.9 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.95 | 6608.896 | 25594.877 | 3.228 | 13.8 | 10.1 | NO | | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 13C2-PFOA**
Response Factor: 0.664623
RRF SD: 0.0153779, Relative SD: 2.31378
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.47 | 24536.512 | 35364.078 | 8.673 | 13.0 | 4.4 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.47 | 24925.057 | 36969.602 | 8.428 | 12.7 | 1.4 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.47 | 24805.252 | 37020.488 | 8.376 | 12.6 | 0.8 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.47 | 23667.369 | 36842.051 | 8.030 | 12.1 | -3.3 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.47 | 25642.676 | 38102.023 | 8.413 | 12.7 | 1.3 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.47 | 23753.816 | 36197.734 | 8.203 | 12.3 | -1.3 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.47 | 24890.416 | 37384.344 | 8.322 | 12.5 | 0.2 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.46 | 22444.697 | 34687.699 | 8.088 | 12.2 | -2.6 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.46 | 19593.982 | 29170.879 | 8.396 | 12.6 | 1.1 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.46 | 13547.861 | 20779.277 | 8.150 | 12.3 | -1.9 | NO | | NO | bb |

**Compound name: 13C8-PFOS**
Response Factor: 1.00357
RRF SD: 0.0389047, Relative SD: 3.87662
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.99 | 4672.510 | 4589.203 | 12.727 | 12.7 | 1.5 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.99 | 5052.911 | 4627.790 | 13.648 | 13.6 | 8.8 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.98 | 4505.231 | 4568.674 | 12.326 | 12.3 | -1.7 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.98 | 4627.870 | 4573.615 | 12.648 | 12.6 | 0.8 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.98 | 4687.457 | 4835.784 | 12.117 | 12.1 | -3.4 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.98 | 4434.295 | 4486.191 | 12.355 | 12.3 | -1.5 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.98 | 4726.433 | 4916.801 | 12.016 | 12.0 | -4.2 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.98 | 4659.192 | 4774.014 | 12.199 | 12.2 | -2.8 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.98 | 4278.858 | 4302.600 | 12.431 | 12.4 | -0.9 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.97 | 3530.024 | 3399.870 | 12.979 | 12.9 | 3.5 | NO | | NO | MM |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: 13C2-PFDA**
Response Factor: 0.824852
RRF SD: 0.0306031, Relative SD: 3.71014
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 12.500 | 5.28 | 27483.381 | 32467.893 | 10.581 | 12.8 | 2.6 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 12.500 | 5.28 | 28352.070 | 33278.418 | 10.650 | 12.9 | 3.3 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 12.500 | 5.28 | 28168.307 | 34250.594 | 10.280 | 12.5 | -0.3 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 12.500 | 5.28 | 27482.162 | 34950.863 | 9.829 | 11.9 | -4.7 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 12.500 | 5.27 | 28234.096 | 33227.313 | 10.622 | 12.9 | 3.0 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 12.500 | 5.27 | 26305.615 | 33127.117 | 9.926 | 12.0 | -3.7 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 12.500 | 5.27 | 27379.840 | 33452.770 | 10.231 | 12.4 | -0.8 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 12.500 | 5.27 | 26750.973 | 33588.504 | 9.955 | 12.1 | -3.4 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 12.500 | 5.27 | 23493.758 | 29219.061 | 10.051 | 12.2 | -2.5 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 12.500 | 5.27 | 19167.668 | 21816.330 | 10.982 | 13.3 | 6.5 | NO | | NO | bb |

**Compound name: 13C2-8:2 FTS**
Response Factor: 0.605617
RRF SD: 0.0556032, Relative SD: 9.18124
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 12.500 | 5.25 | 3070.784 | 4589.203 | 8.364 | 13.8 | 10.5 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 12.500 | 5.25 | 2928.572 | 4627.790 | 7.910 | 13.1 | 4.5 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 12.500 | 5.25 | 3093.406 | 4568.674 | 8.464 | 14.0 | 11.8 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 12.500 | 5.25 | 2970.253 | 4573.615 | 8.118 | 13.4 | 7.2 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 12.500 | 5.25 | 2921.774 | 4835.784 | 7.552 | 12.5 | -0.2 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 12.500 | 5.25 | 2791.179 | 4486.191 | 7.777 | 12.8 | 2.7 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 12.500 | 5.25 | 2768.041 | 4916.801 | 7.037 | 11.6 | -7.0 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 12.500 | 5.24 | 2797.178 | 4774.014 | 7.324 | 12.1 | -3.3 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 12.500 | 5.24 | 2171.250 | 4302.600 | 6.308 | 10.4 | -16.7 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 12.500 | 5.24 | 1862.430 | 3399.870 | 6.847 | 11.3 | -9.5 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: d3-N-MeFOSAA**
Response Factor: 0.177748
RRF SD: 0.0124744, Relative SD: 7.01804
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.42 | 6978.603 | 39385.379 | 2.215 | 12.5 | -0.3 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.42 | 7540.333 | 40461.789 | 2.329 | 13.1 | 4.8 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.42 | 6979.592 | 43486.801 | 2.006 | 11.3 | -9.7 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.42 | 6719.631 | 41506.121 | 2.024 | 11.4 | -8.9 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.42 | 7600.526 | 41491.816 | 2.290 | 12.9 | 3.1 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.42 | 7051.589 | 40373.914 | 2.183 | 12.3 | -1.7 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.42 | 6755.426 | 40823.645 | 2.068 | 11.6 | -6.9 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.42 | 7280.886 | 40439.133 | 2.251 | 12.7 | 1.3 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.41 | 6576.221 | 34761.898 | 2.365 | 13.3 | 6.4 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.41 | 5093.389 | 25594.877 | 2.488 | 14.0 | 12.0 | NO | | NO | bb |

**Compound name: 13C2-PFUdA**
Response Factor: 0.895755
RRF SD: 0.0250909, Relative SD: 2.80109
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.60 | 34974.523 | 39385.379 | 11.100 | 12.4 | -0.9 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.60 | 37405.906 | 40461.789 | 11.556 | 12.9 | 3.2 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.60 | 37593.117 | 43486.801 | 10.806 | 12.1 | -3.5 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.60 | 35871.285 | 41506.121 | 10.803 | 12.1 | -3.5 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.59 | 37305.727 | 41491.816 | 11.239 | 12.5 | 0.4 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.59 | 35705.965 | 40373.914 | 11.055 | 12.3 | -1.3 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.59 | 35859.098 | 40823.645 | 10.980 | 12.3 | -1.9 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.59 | 36498.496 | 40439.133 | 11.282 | 12.6 | 0.8 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.59 | 31640.381 | 34761.898 | 11.378 | 12.7 | 1.6 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.59 | 24103.059 | 25594.877 | 11.771 | 13.1 | 5.1 | NO | | NO | bb |

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Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: d5-N-EtFOSAA**
Response Factor: 0.234686
RRF SD: 0.0100042, Relative SD: 4.26282
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.58 | 9854.571 | 39385.379 | 3.128 | 13.3 | 6.6 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.57 | 9738.924 | 40461.789 | 3.009 | 12.8 | 2.6 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.57 | 9832.552 | 43486.801 | 2.826 | 12.0 | -3.7 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.57 | 9075.688 | 41506.121 | 2.733 | 11.6 | -6.8 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.57 | 9848.375 | 41491.816 | 2.967 | 12.6 | 1.1 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.57 | 9727.719 | 40373.914 | 3.012 | 12.8 | 2.7 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.57 | 9091.235 | 40823.645 | 2.784 | 11.9 | -5.1 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.57 | 9604.143 | 40439.133 | 2.969 | 12.6 | 1.2 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.56 | 7983.138 | 34761.898 | 2.871 | 12.2 | -2.1 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.56 | 6220.777 | 25594.877 | 3.038 | 12.9 | 3.6 | NO | | NO | bb |

**Compound name: 13C2-PFDoA**
Response Factor: 1.09368
RRF SD: 0.0690168, Relative SD: 6.31052
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.88 | 35013.457 | 32467.893 | 13.480 | 12.3 | -1.4 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.88 | 34642.453 | 33278.418 | 13.012 | 11.9 | -4.8 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.88 | 36063.367 | 34250.594 | 13.162 | 12.0 | -3.7 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.88 | 36781.844 | 34950.863 | 13.155 | 12.0 | -3.8 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.87 | 36436.469 | 33227.313 | 13.707 | 12.5 | 0.3 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.87 | 34979.012 | 33127.117 | 13.199 | 12.1 | -3.5 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.87 | 36213.023 | 33452.770 | 13.531 | 12.4 | -1.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.87 | 35732.387 | 33588.504 | 13.298 | 12.2 | -2.7 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.87 | 33348.723 | 29219.061 | 14.267 | 13.0 | 4.4 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.87 | 27748.766 | 21816.330 | 15.899 | 14.5 | 16.3 | NO | | NO | bb |

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**Compound name: d3-N-MeFOSA**
Response Factor: 0.036737
RRF SD: 0.0033744, Relative SD: 9.1853
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 150.000 | 5.84 | 17200.094 | 39385.379 | 5.459 | 148.6 | -0.9 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 150.000 | 5.84 | 17386.766 | 40461.789 | 5.371 | 146.2 | -2.5 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 150.000 | 5.84 | 17468.699 | 43486.801 | 5.021 | 136.7 | -8.9 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 150.000 | 5.84 | 16675.672 | 41506.121 | 5.022 | 136.7 | -8.9 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 150.000 | 5.83 | 17662.811 | 41491.816 | 5.321 | 144.8 | -3.4 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 150.000 | 5.83 | 17534.330 | 40373.914 | 5.429 | 147.8 | -1.5 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 150.000 | 5.84 | 17438.555 | 40823.645 | 5.340 | 145.3 | -3.1 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 150.000 | 5.84 | 17633.932 | 40439.133 | 5.451 | 148.4 | -1.1 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 150.000 | 5.83 | 16509.078 | 34761.898 | 5.936 | 161.6 | 7.7 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 150.000 | 5.83 | 13831.701 | 25594.877 | 6.755 | 183.9 | 22.6 | NO | | NO | bb |

**Compound name: 13C2-PFTeDA**
Response Factor: 0.608323
RRF SD: 0.0323085, Relative SD: 5.31108
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 6.33 | 23691.666 | 39385.379 | 7.519 | 12.4 | -1.1 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 6.32 | 24358.754 | 40461.789 | 7.525 | 12.4 | -1.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 6.32 | 24551.004 | 43486.801 | 7.057 | 11.6 | -7.2 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 6.32 | 23818.424 | 41506.121 | 7.173 | 11.8 | -5.7 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 6.32 | 25250.496 | 41491.816 | 7.607 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 6.32 | 24241.840 | 40373.914 | 7.505 | 12.3 | -1.3 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 6.32 | 24876.725 | 40823.645 | 7.617 | 12.5 | 0.2 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 6.32 | 25274.918 | 40439.133 | 7.813 | 12.8 | 2.7 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 6.32 | 21313.631 | 34761.898 | 7.664 | 12.6 | 0.8 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 6.31 | 17526.000 | 25594.877 | 8.559 | 14.1 | 12.6 | NO | | NO | bb |

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**Compound name: d5-N-ETFOSA**
Response Factor: 0.042999
RRF SD: 0.00184787, Relative SD: 4.29747
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 150.000 | 6.19 | 20672.115 | 39385.379 | 6.561 | 152.6 | 1.7 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 150.000 | 6.19 | 21047.332 | 40461.789 | 6.502 | 151.2 | 0.8 | NO | | NO | bd |
| 3 | 3 | 190729M1_6 | Standard | 150.000 | 6.19 | 21263.369 | 43486.801 | 6.112 | 142.1 | -5.2 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 150.000 | 6.19 | 20704.453 | 41506.121 | 6.235 | 145.0 | -3.3 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 150.000 | 6.19 | 21121.418 | 41491.816 | 6.363 | 148.0 | -1.3 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 150.000 | 6.19 | 20817.078 | 40373.914 | 6.445 | 149.9 | -0.1 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 150.000 | 6.19 | 20896.703 | 40823.645 | 6.398 | 148.8 | -0.8 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 150.000 | 6.19 | 20339.850 | 40439.133 | 6.287 | 146.2 | -2.5 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 150.000 | 6.19 | 17942.209 | 34761.898 | 6.452 | 150.0 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 150.000 | 6.19 | 14624.688 | 25594.877 | 7.142 | 166.1 | 10.7 | NO | | NO | bb |

**Compound name: 13C2-PFHxDA**
Response Factor: 0.775908
RRF SD: 0.0779702, Relative SD: 10.0489
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 5.000 | 6.63 | 11578.826 | 39385.379 | 3.675 | 4.7 | -5.3 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 5.000 | 6.63 | 12019.940 | 40461.789 | 3.713 | 4.8 | -4.3 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 5.000 | 6.63 | 12736.609 | 43486.801 | 3.661 | 4.7 | -5.6 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 5.000 | 6.62 | 12052.693 | 41506.121 | 3.630 | 4.7 | -6.4 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 5.000 | 6.62 | 12561.249 | 41491.816 | 3.784 | 4.9 | -2.5 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 5.000 | 6.62 | 11478.758 | 40373.914 | 3.554 | 4.6 | -8.4 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 5.000 | 6.62 | 12431.155 | 40823.645 | 3.806 | 4.9 | -1.9 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 5.000 | 6.62 | 12804.818 | 40439.133 | 3.958 | 5.1 | 2.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 5.000 | 6.62 | 11503.375 | 34761.898 | 4.136 | 5.3 | 6.6 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 5.000 | 6.62 | 9986.749 | 25594.877 | 4.877 | 6.3 | 25.7 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: d7-N-MeFOSE**
Response Factor: 0.0316035
RRF SD: 0.00469706, Relative SD: 14.8625
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 150.000 | 6.30 | 14346.344 | 39385.379 | 4.553 | 144.1 | -4.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 150.000 | 6.30 | 14447.529 | 40461.789 | 4.463 | 141.2 | -5.8 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 150.000 | 6.30 | 14498.054 | 43486.801 | 4.167 | 131.9 | -12.1 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 150.000 | 6.30 | 14192.990 | 41506.121 | 4.274 | 135.2 | -9.8 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 150.000 | 6.30 | 14717.501 | 41491.816 | 4.434 | 140.3 | -6.5 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 150.000 | 6.30 | 14469.175 | 40373.914 | 4.480 | 141.7 | -5.5 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 150.000 | 6.30 | 14453.302 | 40823.645 | 4.426 | 140.0 | -6.6 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 150.000 | 6.30 | 15463.164 | 40439.133 | 4.780 | 151.2 | 0.8 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 150.000 | 6.30 | 14695.912 | 34761.898 | 5.284 | 167.2 | 11.5 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 150.000 | 6.29 | 13398.671 | 25594.877 | 6.544 | 207.1 | 38.0 | NO | | NO | bb |

**Compound name: d9-N-EtFOSE**
Response Factor: 0.033324
RRF SD: 0.00499354, Relative SD: 14.9848
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 150.000 | 6.45 | 15170.693 | 39385.379 | 4.815 | 144.5 | -3.7 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 150.000 | 6.45 | 15021.385 | 40461.789 | 4.641 | 139.3 | -7.2 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 150.000 | 6.45 | 15031.942 | 43486.801 | 4.321 | 129.7 | -13.6 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 150.000 | 6.45 | 15120.022 | 41506.121 | 4.554 | 136.6 | -8.9 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 150.000 | 6.45 | 15960.808 | 41491.816 | 4.808 | 144.3 | -3.8 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 150.000 | 6.45 | 14848.908 | 40373.914 | 4.597 | 138.0 | -8.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 150.000 | 6.45 | 15482.763 | 40823.645 | 4.741 | 142.3 | -5.2 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 150.000 | 6.45 | 16166.563 | 40439.133 | 4.997 | 150.0 | -0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 150.000 | 6.45 | 15636.404 | 34761.898 | 5.623 | 168.7 | 12.5 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 150.000 | 6.45 | 14107.628 | 25594.877 | 6.890 | 206.8 | 37.8 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 13C4-PFBA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 12.500 | 1.57 | 17034.070 | 17034.070 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 12.500 | 1.56 | 17810.396 | 17810.396 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 12.500 | 1.56 | 18159.914 | 18159.914 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 12.500 | 1.56 | 17634.955 | 17634.955 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 12.500 | 1.56 | 18215.846 | 18215.846 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 12.500 | 1.56 | 17899.375 | 17899.375 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 12.500 | 1.56 | 18313.887 | 18313.887 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 12.500 | 1.56 | 19417.066 | 19417.066 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 12.500 | 1.55 | 18184.607 | 18184.607 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 12.500 | 1.55 | 15276.990 | 15276.990 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C5-PFHxA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190729M1_4 | Standard | 12.500 | 3.32 | 29118.736 | 29118.736 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190729M1_5 | Standard | 12.500 | 3.32 | 31557.412 | 31557.412 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190729M1_6 | Standard | 12.500 | 3.32 | 31052.717 | 31052.717 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190729M1_7 | Standard | 12.500 | 3.32 | 30929.881 | 30929.881 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190729M1_8 | Standard | 12.500 | 3.32 | 31591.801 | 31591.801 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 190729M1_9 | Standard | 12.500 | 3.32 | 30724.701 | 30724.701 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190729M1_10 | Standard | 12.500 | 3.32 | 30166.207 | 30166.207 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190729M1_11 | Standard | 12.500 | 3.31 | 30605.186 | 30605.186 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190729M1_12 | Standard | 12.500 | 3.31 | 26712.920 | 26712.920 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190729M1_13 | Standard | 12.500 | 3.31 | 21626.863 | 21626.863 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 18O2-PFHxS**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.10 | 1851.466 | 1851.466 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.10 | 1845.140 | 1845.140 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.10 | 1726.299 | 1726.299 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.10 | 1943.921 | 1943.921 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.09 | 1919.054 | 1919.054 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.09 | 1761.715 | 1761.715 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.09 | 1817.803 | 1817.803 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.09 | 2024.013 | 2024.013 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.09 | 1663.507 | 1663.507 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.08 | 1382.382 | 1382.382 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C8-PFOA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.47 | 35364.078 | 35364.078 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.47 | 36969.602 | 36969.602 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.47 | 37020.488 | 37020.488 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.47 | 36842.051 | 36842.051 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.47 | 38102.023 | 38102.023 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.47 | 36197.734 | 36197.734 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.47 | 37384.344 | 37384.344 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.46 | 34687.699 | 34687.699 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.46 | 29170.879 | 29170.879 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.46 | 20779.277 | 20779.277 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:11:11 Pacific Daylight Time

**Compound name: 13C9-PFNA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.91 | 24527.934 | 24527.934 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.91 | 25949.342 | 25949.342 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.91 | 26524.707 | 26524.707 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.91 | 25694.428 | 25694.428 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.91 | 25903.590 | 25903.590 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.90 | 25490.363 | 25490.363 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.90 | 26235.797 | 26235.797 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.90 | 26031.605 | 26031.605 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.90 | 22258.723 | 22258.723 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.90 | 17709.250 | 17709.250 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C4-PFOS**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 4.99 | 4589.203 | 4589.203 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 4.99 | 4627.790 | 4627.790 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 4.98 | 4568.674 | 4568.674 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 4.98 | 4573.615 | 4573.615 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 4.98 | 4835.784 | 4835.784 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 4.98 | 4486.191 | 4486.191 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 4.98 | 4916.801 | 4916.801 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 4.98 | 4774.014 | 4774.014 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 4.98 | 4302.600 | 4302.600 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 4.97 | 3399.870 | 3399.870 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

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Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
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**Compound name: 13C6-PFDA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.28 | 32467.893 | 32467.893 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.28 | 33278.418 | 33278.418 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.28 | 34250.594 | 34250.594 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.27 | 34950.863 | 34950.863 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.27 | 33227.313 | 33227.313 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.27 | 33127.117 | 33127.117 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.27 | 33452.770 | 33452.770 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.27 | 33588.504 | 33588.504 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.27 | 29219.061 | 29219.061 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.27 | 21816.330 | 21816.330 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C7-PFUdA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190729M1_4 | Standard | 12.500 | 5.60 | 39385.379 | 39385.379 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190729M1_5 | Standard | 12.500 | 5.60 | 40461.789 | 40461.789 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190729M1_6 | Standard | 12.500 | 5.60 | 43486.801 | 43486.801 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190729M1_7 | Standard | 12.500 | 5.60 | 41506.121 | 41506.121 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190729M1_8 | Standard | 12.500 | 5.59 | 41491.816 | 41491.816 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190729M1_9 | Standard | 12.500 | 5.59 | 40373.914 | 40373.914 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190729M1_10 | Standard | 12.500 | 5.59 | 40823.645 | 40823.645 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190729M1_11 | Standard | 12.500 | 5.59 | 40439.133 | 40439.133 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190729M1_12 | Standard | 12.500 | 5.59 | 34761.898 | 34761.898 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190729M1_13 | Standard | 12.500 | 5.59 | 25594.877 | 25594.877 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:13:05 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | PFBA | 1.56 | 1.56 | | | |
| 2 | PFPrS | 1.91 | 1.91 | 2.457 | 2.457 | NO |
| 3 | 3:3 FTCA | 2.35 | 2.39 | 1.952 | 1.952 | NO |
| 4 | PFPeA | 2.55 | 2.55 | | | |
| 5 | PFBS | 2.82 | 2.82 | 2.938 | 2.938 | NO |
| 6 | 4:2 FTS | 3.22 | 3.22 | 1.785 | 1.785 | NO |
| 7 | PFHxA | 3.32 | 3.32 | 15.662 | 15.662 | NO |
| 8 | PFPeS | 3.51 | 3.51 | 1.530 | 1.530 | NO |
| 9 | HFPO-DA | 3.53 | 3.53 | 2.214 | 2.214 | NO |
| 10 | 5:3 FTCA | 3.86 | 3.88 | 1.514 | 1.514 | NO |
| 11 | PFHpA | 3.95 | 3.95 | 9.211 | 9.211 | NO |
| 12 | ADONA | 4.06 | 4.06 | 3.589 | 3.589 | NO |
| 13 | L-PFHxS | 4.09 | 4.09 | 1.968 | 1.968 | NO |
| 14 | 6:2 FTS | 4.41 | 4.41 | 2.183 | 2.183 | NO |
| 15 | L-PFOA | 4.47 | 4.47 | 3.549 | 3.549 | NO |
| 16 | PFecHS | 4.48 | 4.48 | 0.974 | 0.974 | NO |
| 17 | PFHpS | 4.57 | 4.57 | 1.893 | 1.893 | NO |
| 18 | 7:3 FTCA | 4.89 | 4.89 | 1.887 | 1.887 | NO |
| 19 | PFNA | 4.90 | 4.90 | 4.327 | 4.327 | NO |
| 20 | PFOSA | 4.95 | 4.95 | 29.292 | 29.292 | NO |
| 21 | L-PFOS | 4.98 | 4.98 | 2.246 | 2.246 | NO |
| 22 | 9Cl-PF30NS | 5.19 | 5.19 | 18.401 | 18.401 | NO |
| 23 | PFDA | 5.27 | 5.27 | 5.556 | 5.556 | NO |
| 24 | 8:2 FTS | 5.25 | 5.25 | 1.148 | 1.148 | NO |
| 25 | PFNS | 5.33 | 5.33 | 1.525 | 1.525 | NO |
| 26 | L-MeFOSAA | 5.42 | 5.42 | 2.451 | 2.451 | NO |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:13:25 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | L-EtFOSAA | 5.57 | 5.57 | 1.371 | 1.371 | NO |
| 2 | PFUdA | 5.59 | 5.59 | 8.393 | 8.393 | NO |
| 3 | PFDS | 5.64 | 5.64 | 1.793 | 1.793 | NO |
| 4 | 11Cl-PF30UdS | 5.79 | 5.79 | 4.403 | 4.403 | NO |
| 5 | 10:2 FTS | 5.86 | 5.86 | 1.564 | 1.564 | NO |
| 6 | PFDoA | 5.87 | 5.87 | 8.727 | 8.727 | NO |
| 7 | N-MeFOSA | 5.81 | 5.81 | 1.513 | 1.513 | NO |
| 8 | PFTrDA | 6.12 | 6.12 | 20.859 | 20.859 | NO |
| 9 | PFDoS | 6.13 | 6.13 | 1.769 | 1.769 | NO |
| 10 | PFTeDA | 6.32 | 6.32 | 14.762 | 14.762 | NO |
| 11 | N-EtFOSA | 6.18 | 6.18 | 1.683 | 1.683 | NO |
| 12 | PFHxDA | 6.62 | 6.62 | 22.937 | 22.937 | NO |
| 13 | PFODA | 6.84 | 6.84 | | | |
| 14 | N-MeFOSE | 6.30 | 6.30 | | | |
| 15 | N-EtFOSE | 6.46 | 6.46 | | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:12:02 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 47 | 1.0000 | NO | |
| 2 | 2 | PFPrS | 49 | 0.9991 | NO | |
| 3 | 3 | 3:3 FTCA | 48 | 0.9998 | NO | |
| 4 | 4 | PFPeA | 48 | 0.9998 | NO | |
| 5 | 5 | PFBS | 49 | 0.9989 | NO | |
| 6 | 6 | 4:2 FTS | 51 | 0.9996 | NO | |
| 7 | 7 | PFHxA | 52 | 0.9996 | NO | |
| 8 | 8 | PFPeS | 49 | 0.9995 | NO | |
| 9 | 9 | HFPO-DA | 50 | 0.9926 | NO | |
| 10 | 10 | 5:3 FTCA | 53 | 1.0000 | NO | |
| 11 | 11 | PFHpA | 53 | 0.9997 | NO | |
| 12 | 12 | ADONA | 53 | 0.9997 | NO | |
| 13 | 13 | L-PFHxS | 54 | 0.9999 | NO | |
| 14 | 15 | 6:2 FTS | 55 | 0.9998 | NO | |
| 15 | 16 | L-PFOA | 58 | 0.9992 | NO | |
| 16 | 18 | PFecHS | 58 | 0.9997 | NO | |
| 17 | 19 | PFHpS | 59 | 0.9998 | NO | |
| 18 | 20 | 7:3 FTCA | 56 | 0.9996 | NO | |
| 19 | 21 | PFNA | 56 | 0.9997 | NO | |
| 20 | 22 | PFOSA | 57 | 0.9994 | NO | |
| 21 | 23 | L-PFOS | 59 | 0.9997 | NO | |
| 22 | 25 | 9Cl-PF30NS | 59 | 0.9998 | NO | |
| 23 | 26 | PFDA | 60 | 0.9976 | NO | |
| 24 | 27 | 8:2 FTS | 61 | 0.9990 | NO | |
| 25 | 28 | PFNS | 59 | 0.9984 | NO | |
| 26 | 29 | L-MeFOSAA | 62 | 0.9995 | NO | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:12:17 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 31 | L-EtFOSAA | 64 | 0.9998 | NO | |
| 2 | 33 | PFUdA | 63 | 0.9994 | NO | |
| 3 | 34 | PFDS | 61 | 0.9997 | NO | |
| 4 | 35 | 11Cl-PF30UdS | 65 | 0.9996 | NO | |
| 5 | 36 | 10:2 FTS | 61 | 0.9992 | NO | |
| 6 | 37 | PFDoA | 65 | 0.9998 | NO | |
| 7 | 38 | N-MeFOSA | 66 | 0.9994 | NO | |
| 8 | 39 | PFTrDA | 65 | 0.9996 | NO | |
| 9 | 40 | PFDoS | 67 | 0.9996 | NO | |
| 10 | 41 | PFTeDA | 67 | 0.9996 | NO | |
| 11 | 42 | N-EtFOSA | 68 | 0.9999 | NO | |
| 12 | 43 | PFHxDA | 69 | 0.9999 | NO | |
| 13 | 44 | PFODA | 69 | 0.9970 | NO | |
| 14 | 45 | N-MeFOSE | 70 | 0.9994 | NO | |
| 15 | 46 | N-EtFOSE | 71 | 0.9998 | NO | |
| 16 | 47 | 13C3-PFBA | 72 | | NO | 1.245 |
| 17 | 48 | 13C3-PFPeA | 73 | | NO | 3.394 |
| 18 | 49 | 13C3-PFBS | 74 | | NO | 6.865 |
| 19 | 50 | 13C3-HFPO-DA | 73 | | NO | 9.832 |
| 20 | 51 | 13C2-4:2 FTS | 74 | | NO | 9.774 |
| 21 | 52 | 13C2-PFHxA | 73 | | NO | 2.482 |
| 22 | 53 | 13C4-PFHpA | 73 | | NO | 2.446 |
| 23 | 54 | 13C3-PFHxS | 74 | | NO | 5.883 |
| 24 | 55 | 13C2-6:2 FTS | 77 | | NO | 5.870 |
| 25 | 56 | 13C5-PFNA | 76 | | NO | 1.957 |
| 26 | 57 | 13C8-PFOSA | 79 | | NO | 4.541 |
| 27 | 58 | 13C2-PFOA | 75 | | NO | 2.314 |
| 28 | 59 | 13C8-PFOS | 77 | | NO | 3.877 |
| 29 | 60 | 13C2-PFDA | 78 | | NO | 3.710 |
| 30 | 61 | 13C2-8:2 FTS | 77 | | NO | 9.181 |
| 31 | 62 | d3-N-MeFOSAA | 79 | | NO | 7.018 |
| 32 | 63 | 13C2-PFUdA | 79 | | NO | 2.801 |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:12:17 Pacific Daylight Time

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 33 | 64 | d5-N-EtFOSAA | 79 | | NO | 4.263 |
| 34 | 65 | 13C2-PFDoA | 78 | | NO | 6.311 |
| 35 | 66 | d3-N-MeFOSA | 79 | | NO | 9.185 |
| 36 | 67 | 13C2-PFTeDA | 79 | | NO | 5.311 |
| 37 | 68 | d5-N-ETFOSA | 79 | | NO | 4.297 |
| 38 | 69 | 13C2-PFHxDA | 79 | | NO | 10.049 |
| 39 | 70 | d7-N-MeFOSE | 79 | | NO | 14.862 |
| 40 | 71 | d9-N-EtFOSE | 79 | | NO | 14.985 |
| 41 | 72 | 13C4-PFBA | 72 | | NO | 0.000 |
| 42 | 73 | 13C5-PFHxA | 73 | | NO | 0.000 |
| 43 | 74 | 18O2-PFHxS | 74 | | NO | 0.000 |
| 44 | 75 | 13C8-PFOA | 75 | | NO | 0.000 |
| 45 | 76 | 13C9-PFNA | 76 | | NO | 0.000 |
| 46 | 77 | 13C4-PFOS | 77 | | NO | 0.000 |
| 47 | 78 | 13C6-PFDA | 78 | | NO | 0.000 |
| 48 | 79 | 13C7-PFUdA | 79 | | NO | 0.000 |

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, July 30, 2019 08:16:13 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:16:25 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Compound name: PFBA**

| | # | Name | ID | Acq.Date | Acq.Time |
|---|---|---|---|---|---|
| 1 | 1 | 190729M1_1 | IPA | 29-Jul-19 | 13:51:05 |
| 2 | 2 | 190729M1_2 | IPA | 29-Jul-19 | 14:01:41 |
| 3 | 3 | 190729M1_3 | IPA | 29-Jul-19 | 14:12:14 |
| 4 | 4 | 190729M1_4 | ST190729M1-1 PFC CS-2 19G2001 | 29-Jul-19 | 14:22:52 |
| 5 | 5 | 190729M1_5 | ST190729M1-2 PFC CS-1 19G2002 | 29-Jul-19 | 14:33:25 |
| 6 | 6 | 190729M1_6 | ST190729M1-3 PFC CS0 19G2003 | 29-Jul-19 | 14:43:55 |
| 7 | 7 | 190729M1_7 | ST190729M1-4 PFC CS1 19G2004 | 29-Jul-19 | 14:54:34 |
| 8 | 8 | 190729M1_8 | ST190729M1-5 PFC CS2 19G2005 | 29-Jul-19 | 15:05:12 |
| 9 | 9 | 190729M1_9 | ST190729M1-6 PFC CS3 19G2006 | 29-Jul-19 | 15:15:45 |
| 10 | 10 | 190729M1_10 | ST190729M1-7 PFC CS4 19G2007 | 29-Jul-19 | 15:26:23 |
| 11 | 11 | 190729M1_11 | ST190729M1-8 PFC CS5 19G2008 | 29-Jul-19 | 15:37:02 |
| 12 | 12 | 190729M1_12 | ST190729M1-9 PFC CS6 19G2009 | 29-Jul-19 | 15:47:34 |
| 13 | 13 | 190729M1_13 | ST190729M1-10 PFC CS7 19G2010 | 29-Jul-19 | 15:58:13 |
| 14 | 14 | 190729M1_14 | IB | 29-Jul-19 | 16:08:51 |
| 15 | 15 | 190729M1_15 | ICV190729M1-1 PFC ICV 19G2311 | 29-Jul-19 | 16:19:24 |
| 16 | 16 | 190729M1_16 | IPA | 29-Jul-19 | 16:30:02 |

(A) 7/30/19

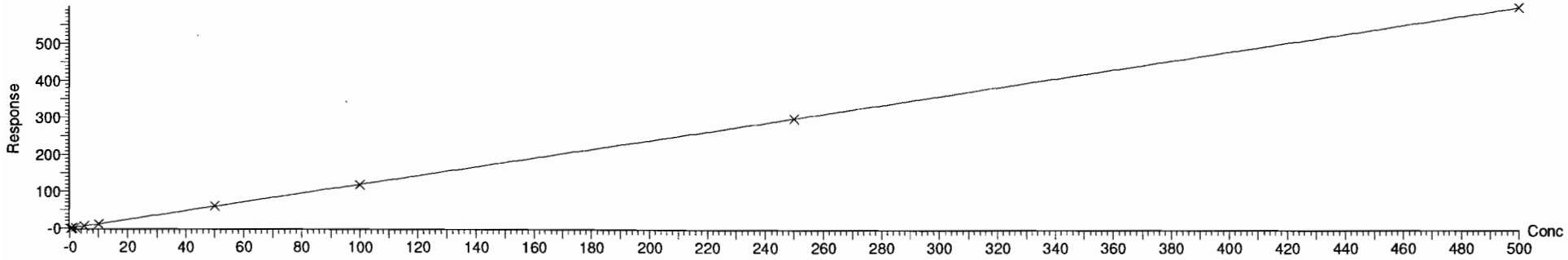
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

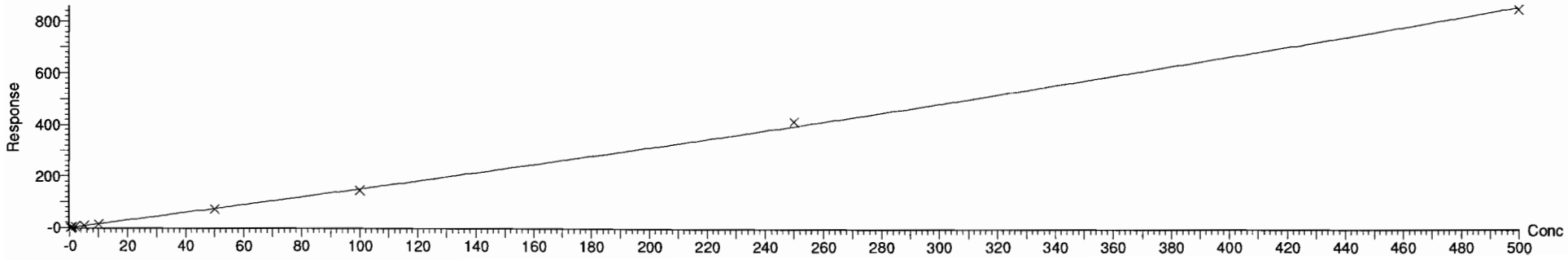
Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

Compound name: PFBA
Correlation coefficient: r = 0.999989, r^2 = 0.999977
Calibration curve: 1.19741 * x + -0.00576703
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



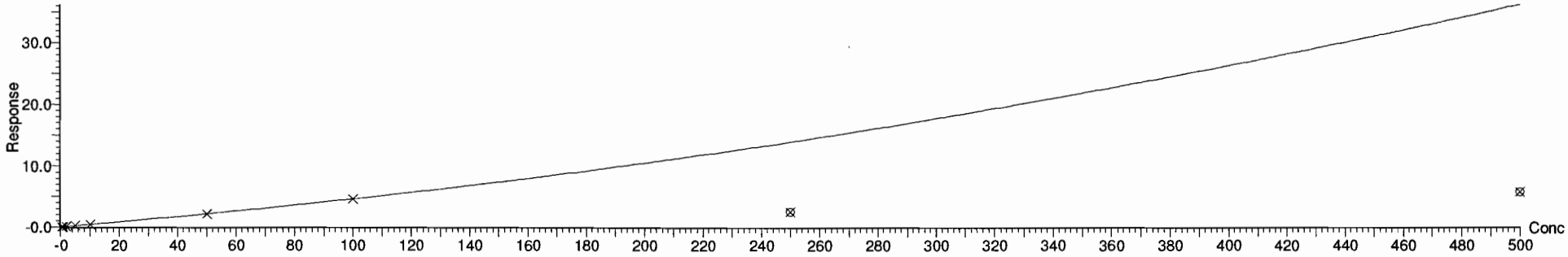

Compound name: PFPrS
Coefficient of Determination: R^2 = 0.999087
Calibration curve: 0.000518032 * x^2 + 1.45934 * x + -0.0868514
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



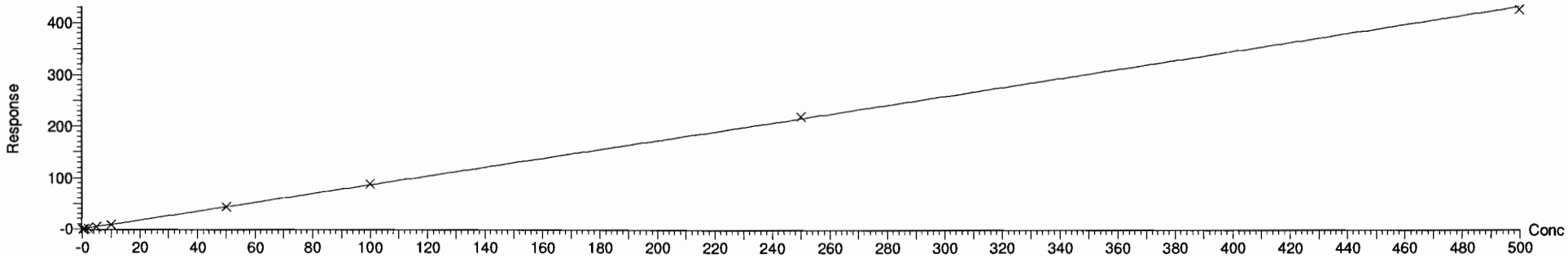
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: 3:3 FTCA
Coefficient of Determination: R^2 = 0.999764
Calibration curve: 6.61448e-005 * x^2 + 0.0392306 * x + 0.000310669
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



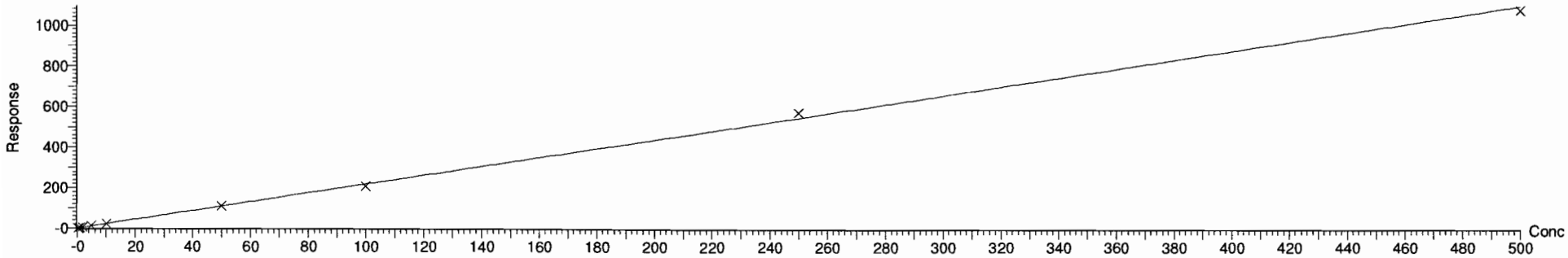

Compound name: PFPeA
Correlation coefficient: r = 0.999891, r^2 = 0.999781
Calibration curve: 0.861551 * x + 0.00774042
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



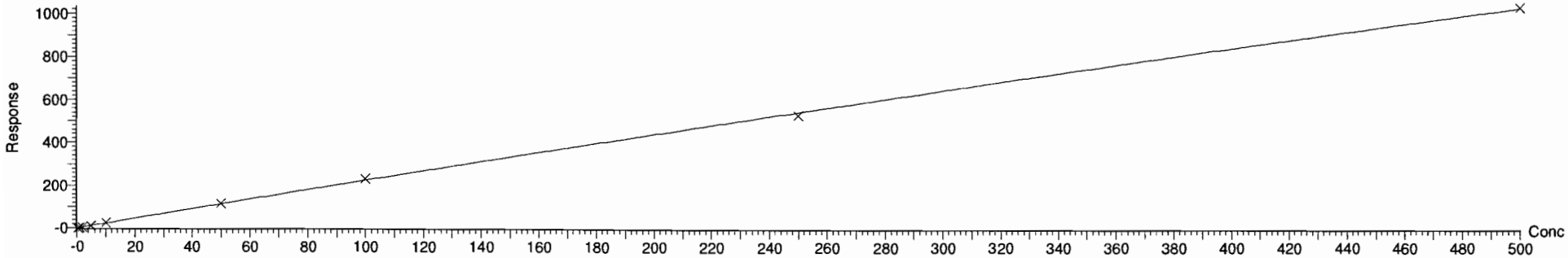
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFBS
Correlation coefficient: r = 0.999473, r^2 = 0.998945
Calibration curve: 2.19095 * x + -0.0776057
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



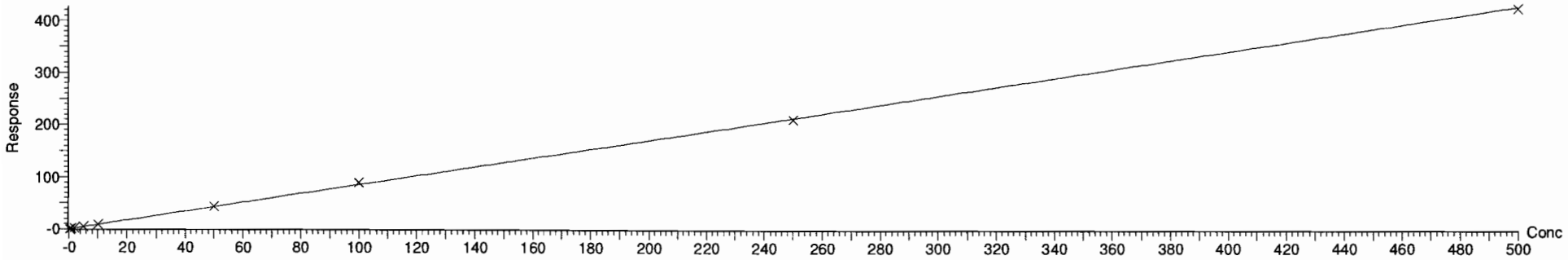

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.999643
Calibration curve: -0.000495547 * x^2 + 2.30572 * x + -0.0864435
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



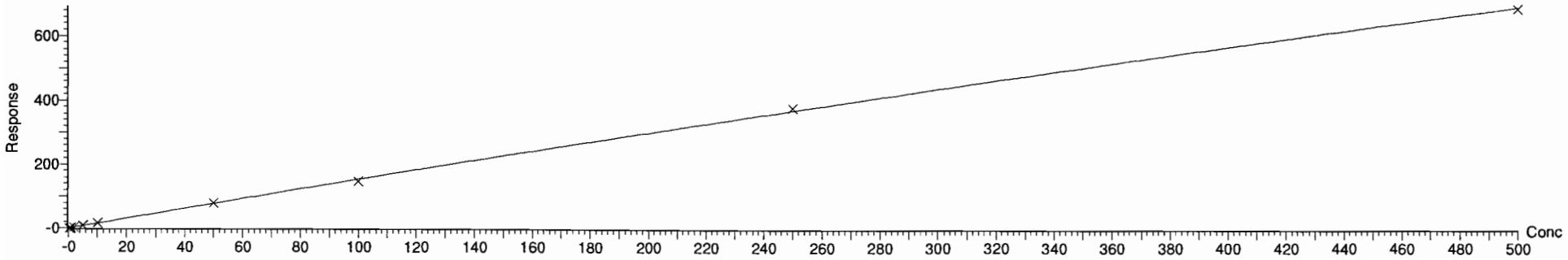
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFHxA
Correlation coefficient: r = 0.999820, r^2 = 0.999640
Calibration curve: 0.854535 * x + 0.022315
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



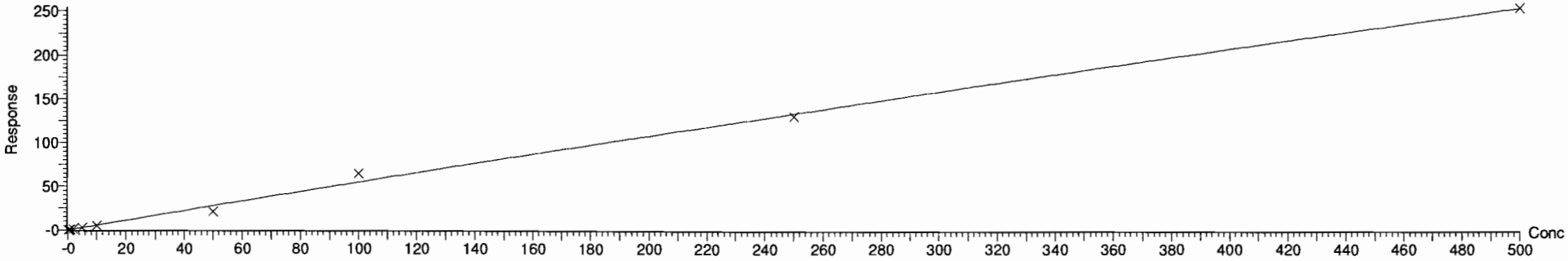

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.999540
Calibration curve: -0.000393402 * x^2 + 1.58079 * x + -0.177707
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



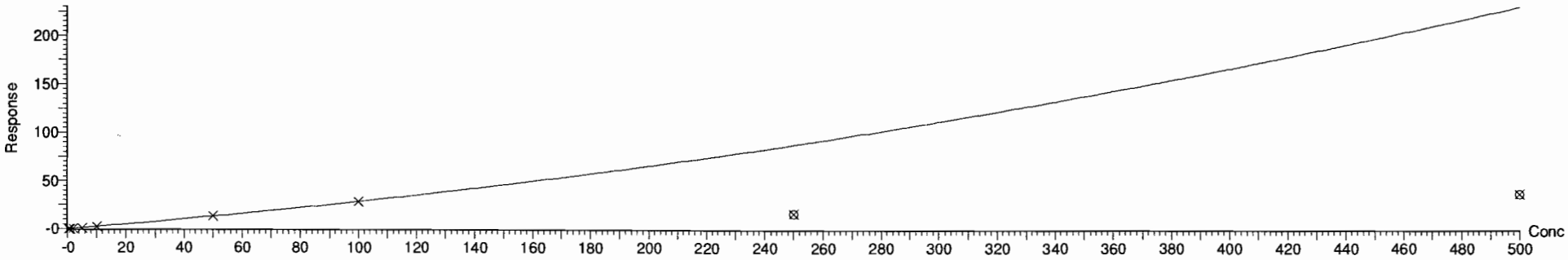
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.992641
Calibration curve: -0.000107893 * x^2 + 0.562265 * x + -0.0298152
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



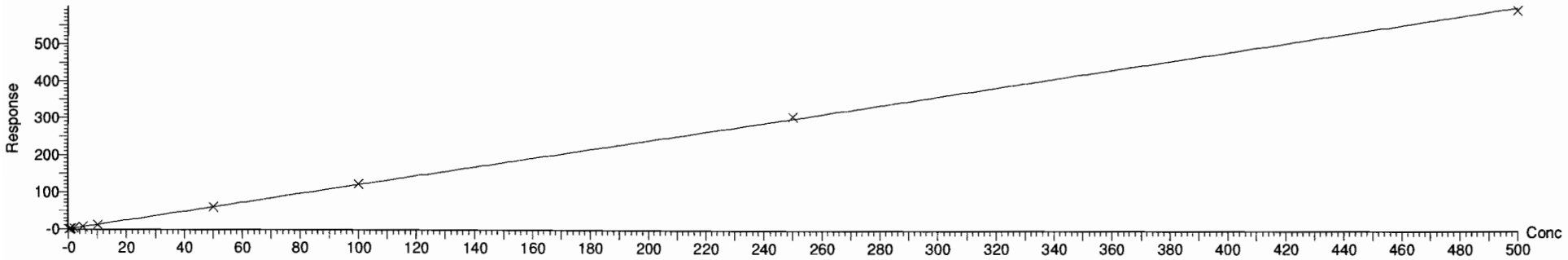

Compound name: 5:3 FTCA
Coefficient of Determination: R^2 = 0.999993
Calibration curve: 0.000441434 * x^2 + 0.240312 * x + -0.00887296
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



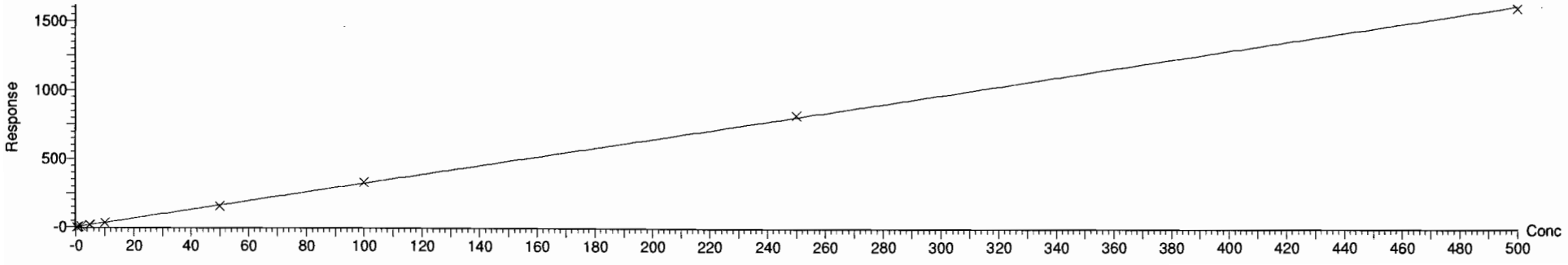
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFHpA
Correlation coefficient: r = 0.999870, r^2 = 0.999740
Calibration curve: 1.19941 * x + 0.0516863
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



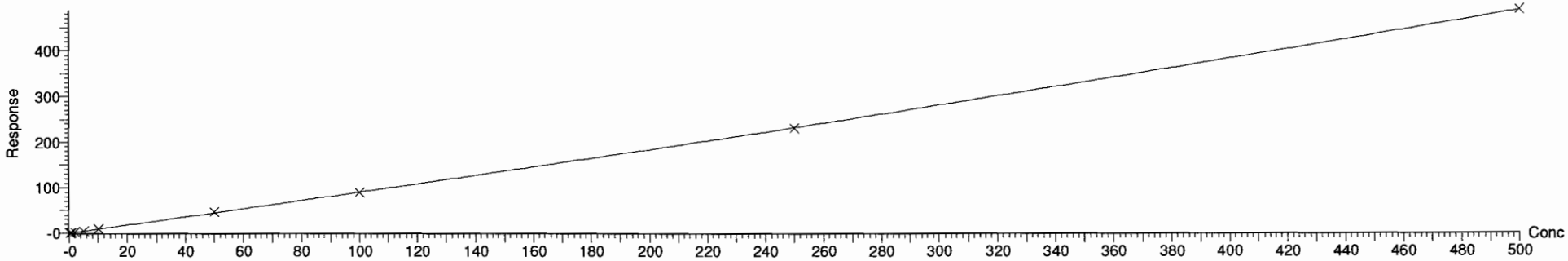

Compound name: ADONA
Correlation coefficient: r = 0.999838, r^2 = 0.999676
Calibration curve: 3.22935 * x + -0.0979755
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



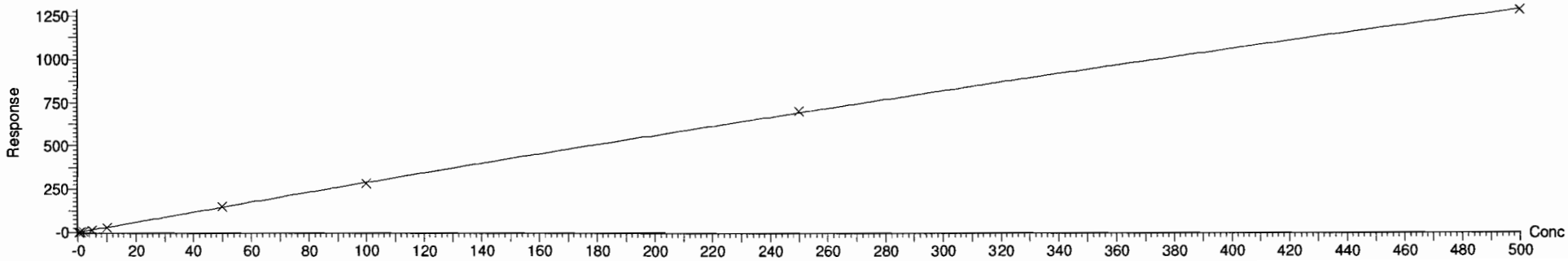
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999899
Calibration curve: 0.000193933 * x^2 + 0.87777 * x + -0.0109535
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



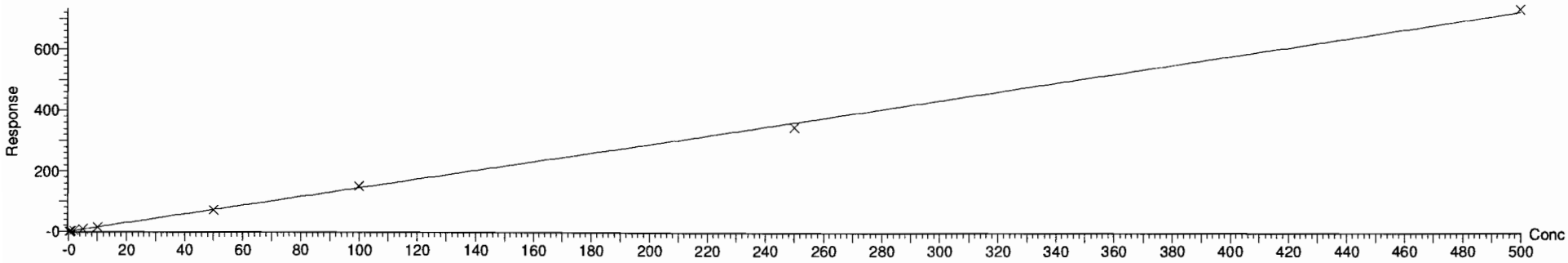

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.999785
Calibration curve: -0.000783994 * x^2 + 2.96349 * x + -0.0586088
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



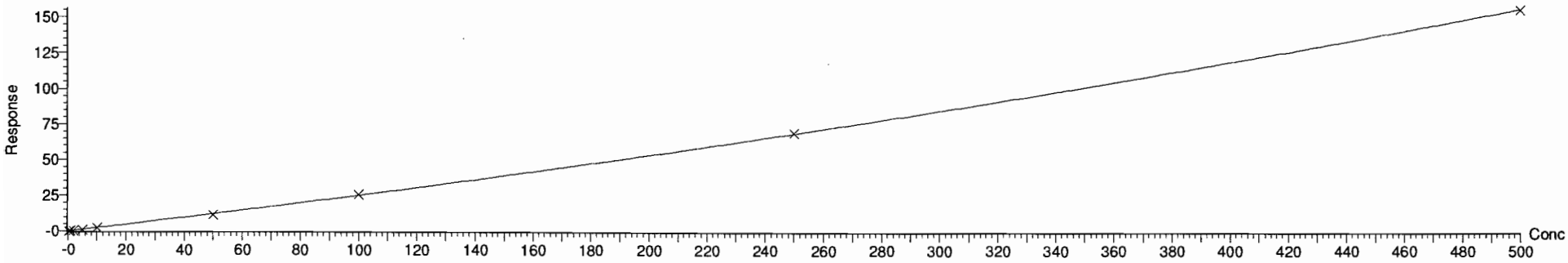
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: L-PFOA
Correlation coefficient: r = 0.999598, r^2 = 0.999196
Calibration curve: 1.44693 * x + 0.0363835
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



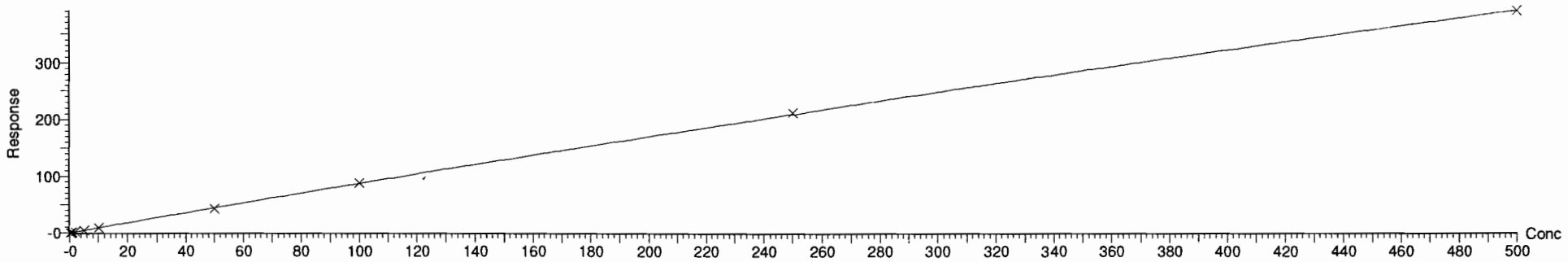

Compound name: PFecHS
Coefficient of Determination: R^2 = 0.999727
Calibration curve: 0.000148105 * x^2 + 0.238102 * x + 0.00323966
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



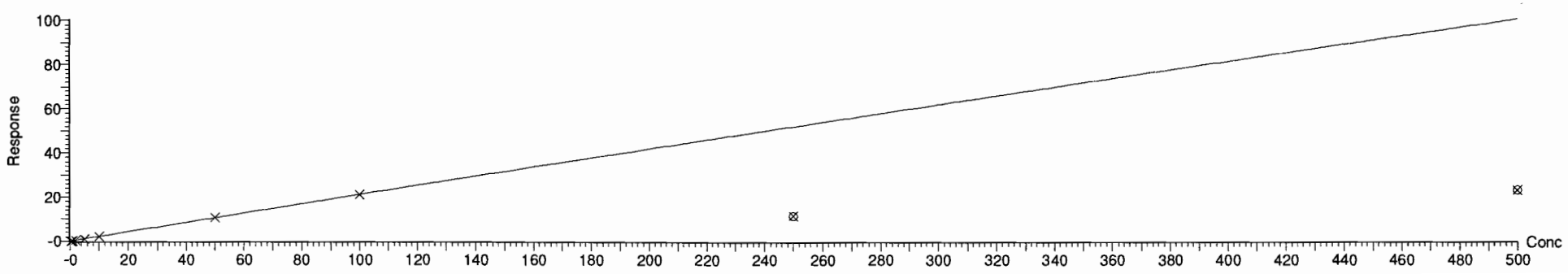
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999759
Calibration curve: -0.000228065 * x^2 + 0.896205 * x + -0.0502615
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



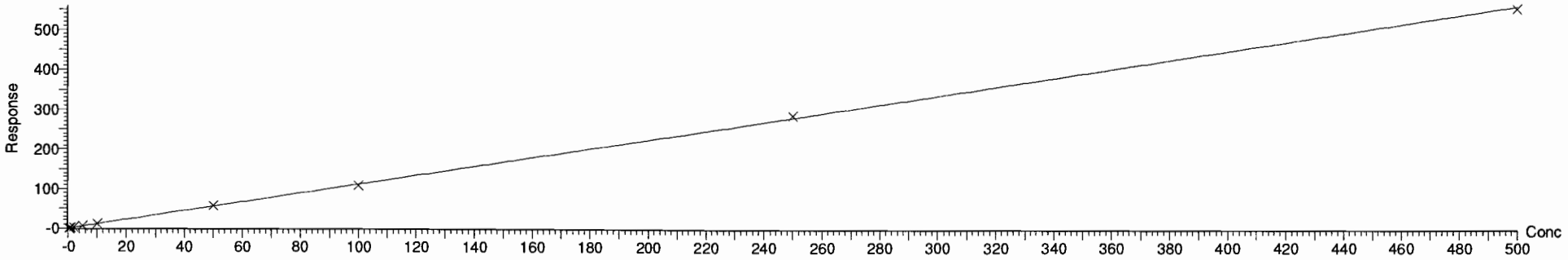

Compound name: 7:3 FTCA
Coefficient of Determination: R^2 = 0.999631
Calibration curve: -3.00115e-005 * x^2 + 0.216039 * x + -0.0104325
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



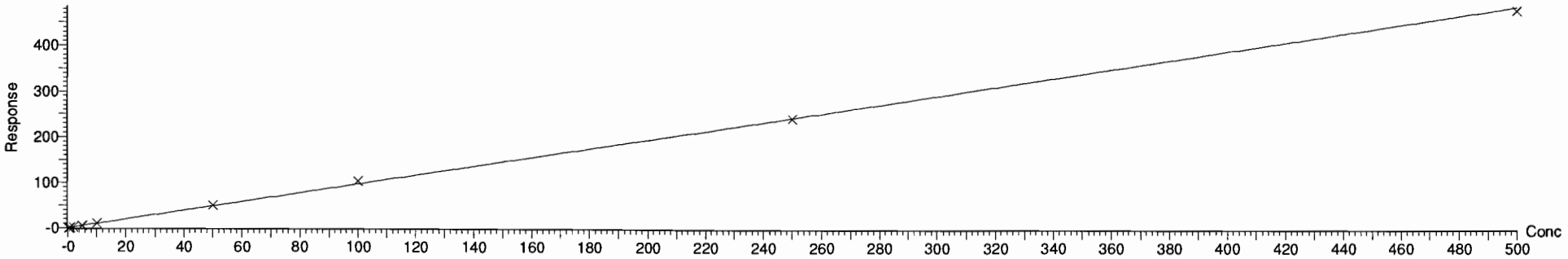
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFNA
Correlation coefficient: r = 0.999845, r^2 = 0.999689
Calibration curve: 1.11872 * x + 0.01214
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



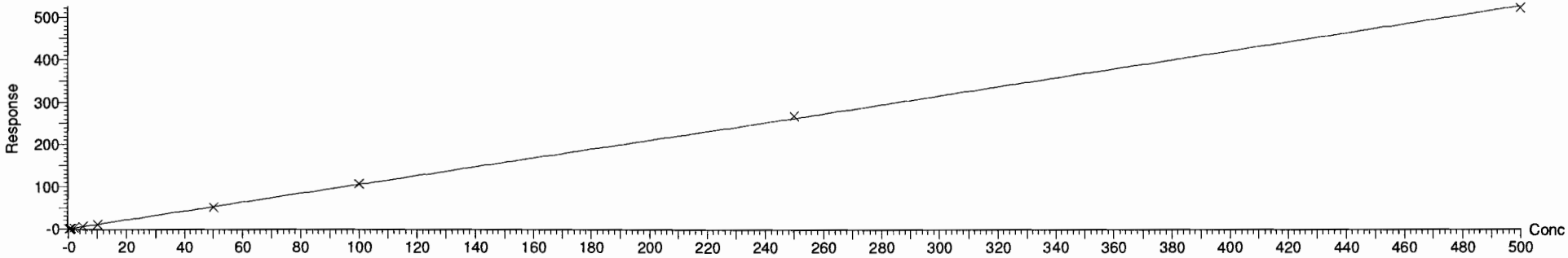

Compound name: PFOSA
Correlation coefficient: r = 0.999677, r^2 = 0.999353
Calibration curve: 0.971459 * x + 0.0776739
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



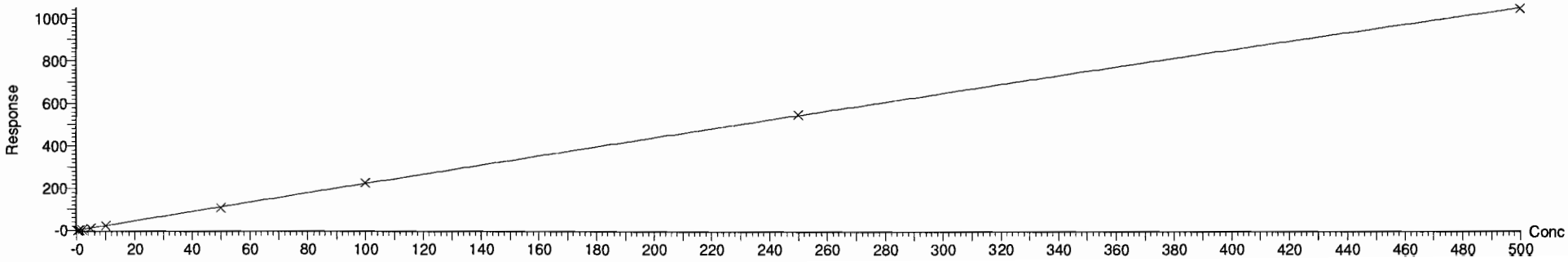
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: L-PFOS
Correlation coefficient: r = 0.999859, r^2 = 0.999719
Calibration curve: 1.05192 * x + -0.0574802
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



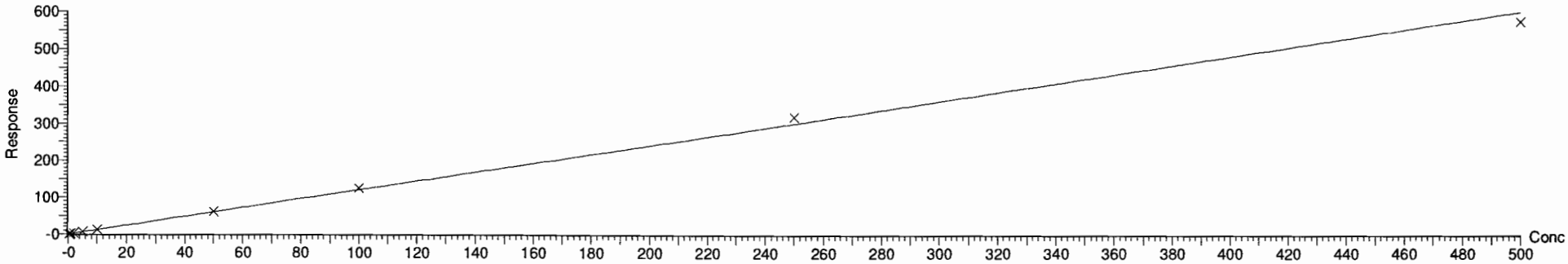

Compound name: 9Cl-PF30NS
Coefficient of Determination: R^2 = 0.999845
Calibration curve: -0.000336728 * x^2 + 2.26666 * x + -0.259188
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



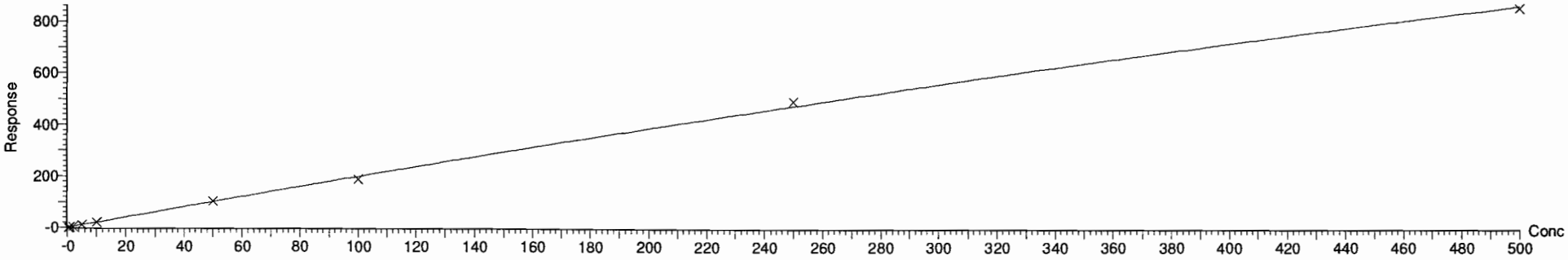
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFDA
Correlation coefficient: r = 0.998782, r^2 = 0.997565
Calibration curve: 1.20023 * x + 0.0244726
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



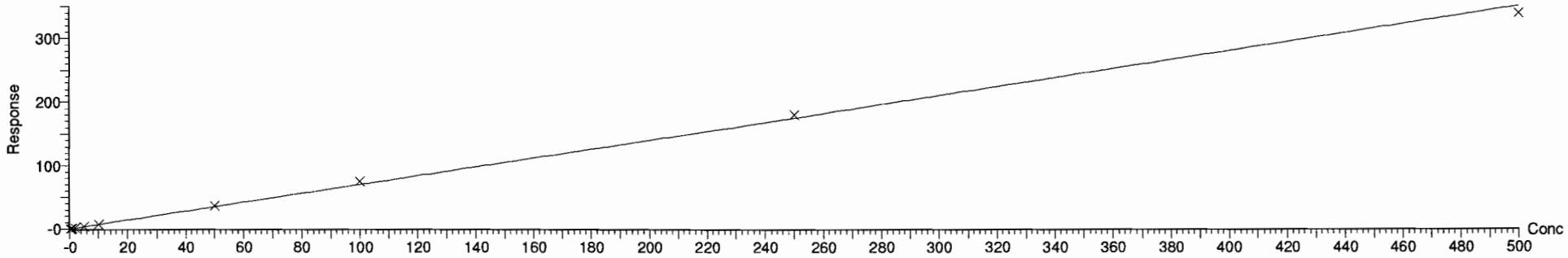

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.999034
Calibration curve: -0.000714921 * x^2 + 2.07961 * x + -0.190432
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



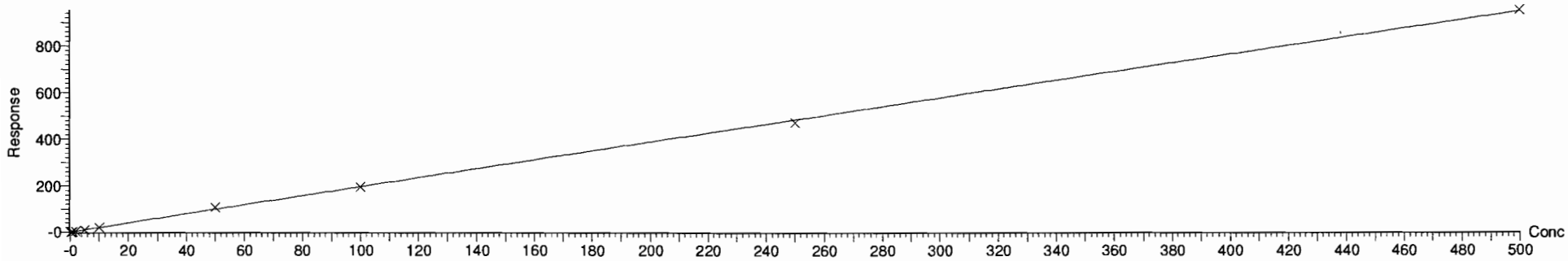
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:11 Pacific Daylight Time

Compound name: PFNS
Correlation coefficient: r = 0.999219, r^2 = 0.998440
Calibration curve: 0.700571 * x + 0.0525474
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999452
Calibration curve: -0.000161741 * x^2 + 1.97389 * x + -0.0062902
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



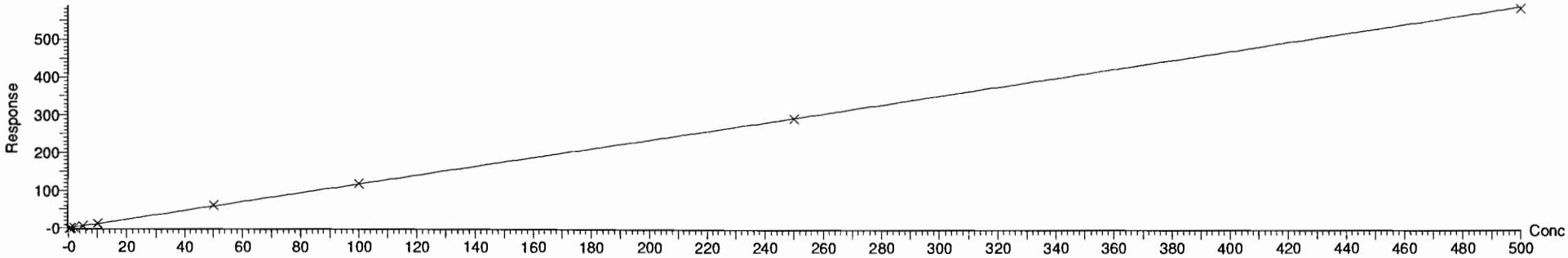
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

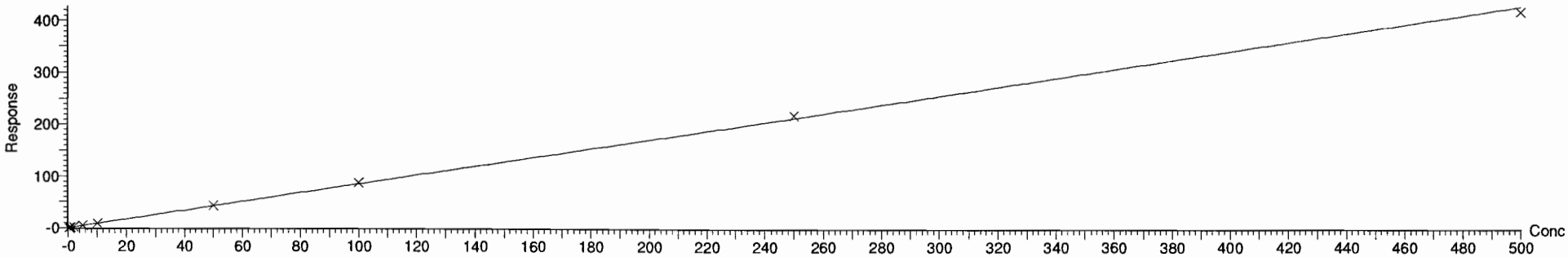
Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

Compound name: L-EtFOSAA
Correlation coefficient: r = 0.999888, r^2 = 0.999777
Calibration curve: 1.17588 * x + 0.0243145
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



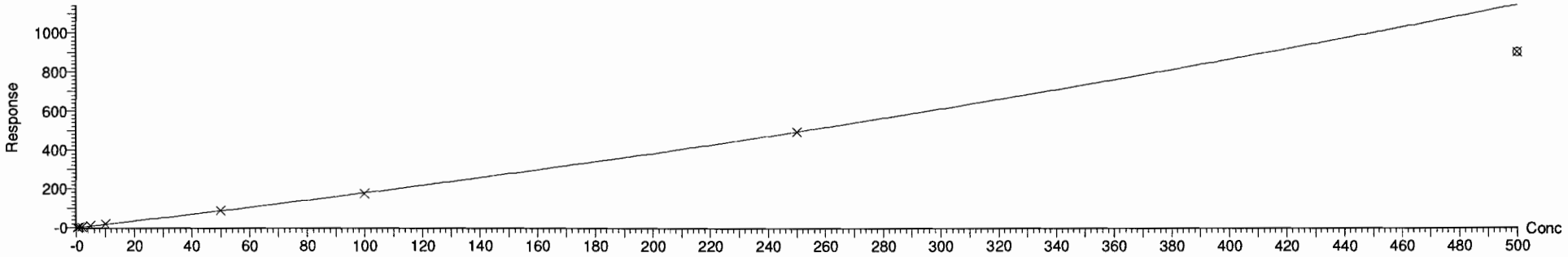

Compound name: PFUdA
Correlation coefficient: r = 0.999716, r^2 = 0.999433
Calibration curve: 0.854381 * x + 0.0817126
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



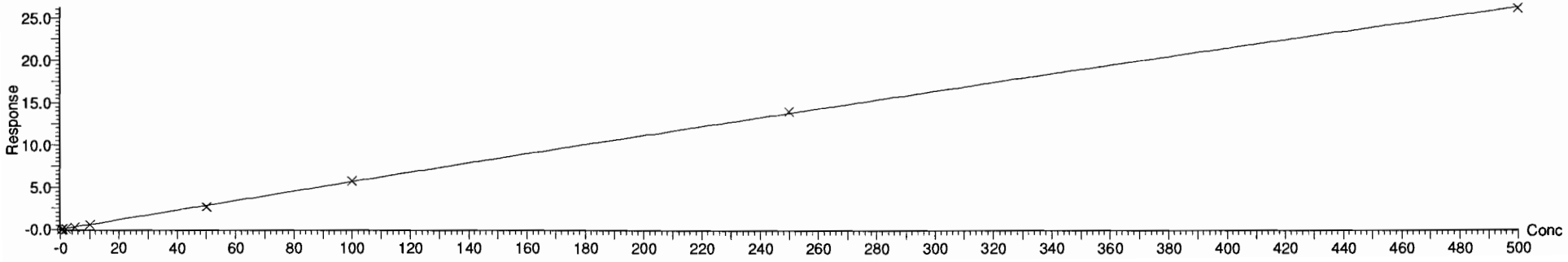
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: PFDS
Coefficient of Determination: R^2 = 0.999677
Calibration curve: 0.00123982 * x^2 + 1.66632 * x + -0.190169
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



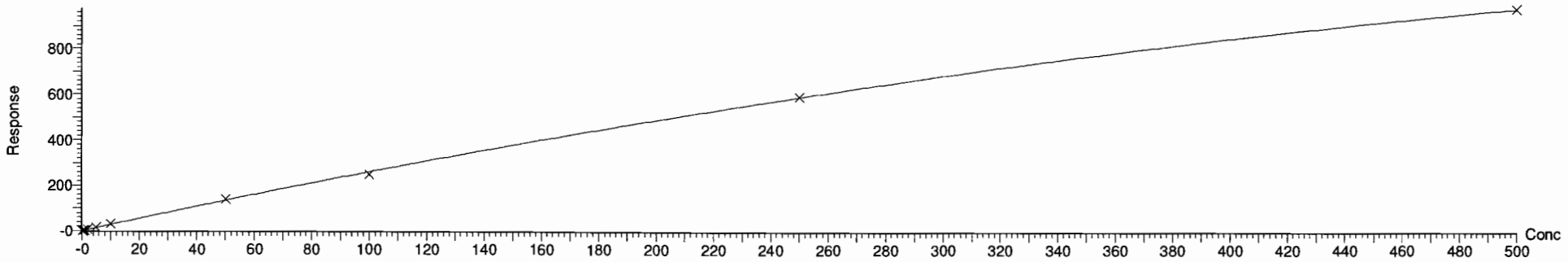

Compound name: 11Cl-PF30UdS
Coefficient of Determination: R^2 = 0.999605
Calibration curve: -1.10606e-005 * x^2 + 0.0579901 * x + -0.0171324
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



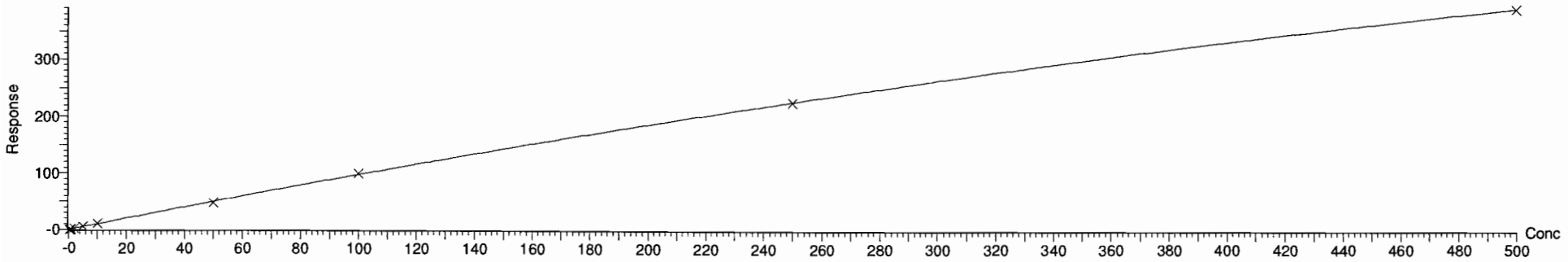
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: 10:2 FTS
Coefficient of Determination: R^2 = 0.999160
Calibration curve: -0.0016414 * x^2 + 2.77226 * x + 0.0958385
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



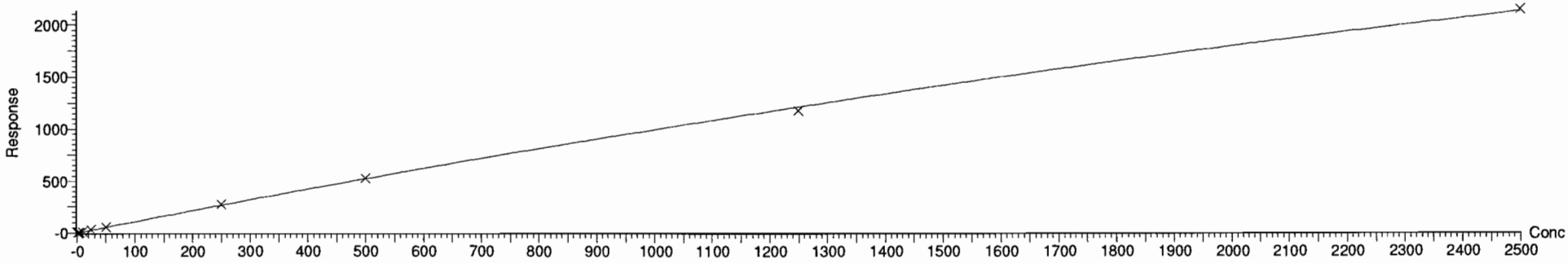

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999804
Calibration curve: -0.00050387 * x^2 + 1.03265 * x + 0.0560715
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



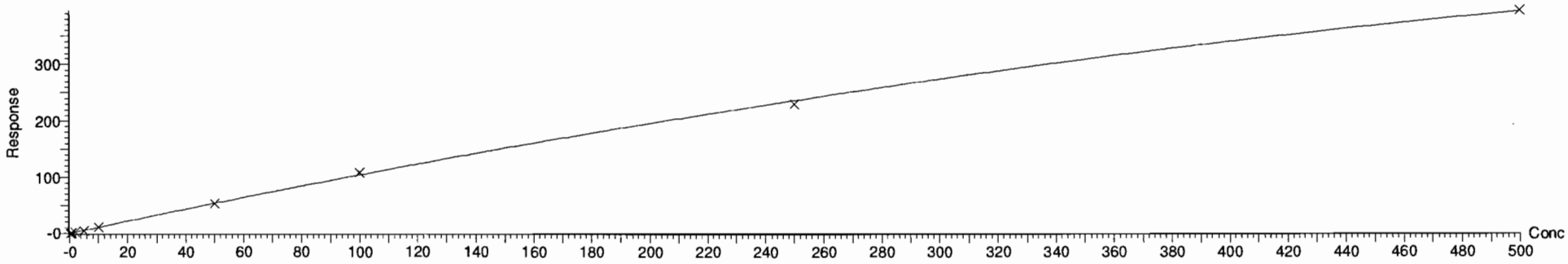
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999352
Calibration curve: -9.75943e-005 * x^2 + 1.09193 * x + 0.265341
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



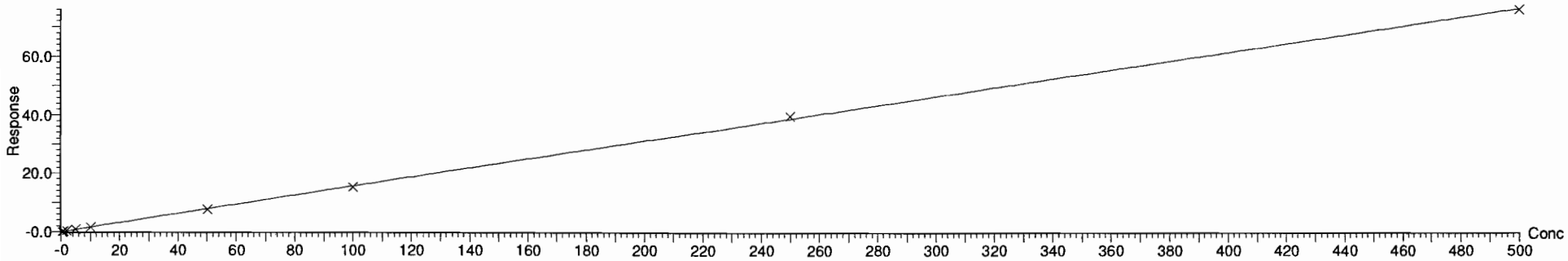

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999555
Calibration curve: -0.000638254 * x^2 + 1.10526 * x + 0.0283395
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



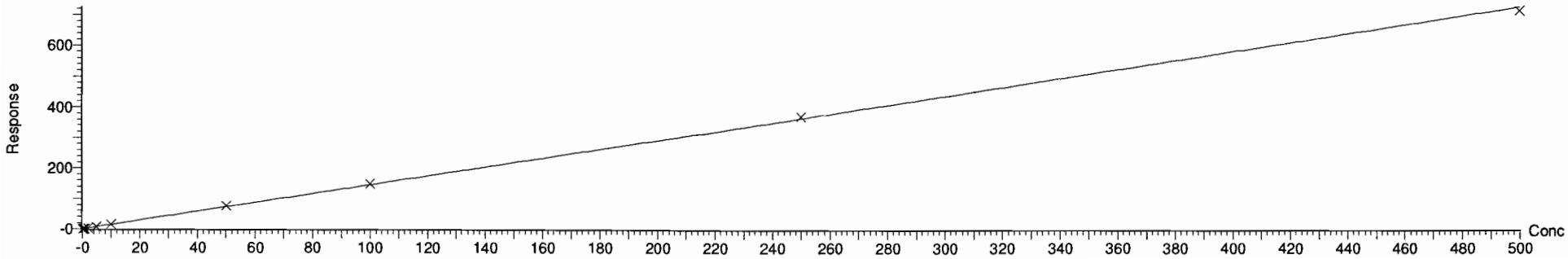
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: PFDoS
Coefficient of Determination: R^2 = 0.999649
Calibration curve: -1.1569e-005 * x^2 + 0.157997 * x + -0.00836629
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



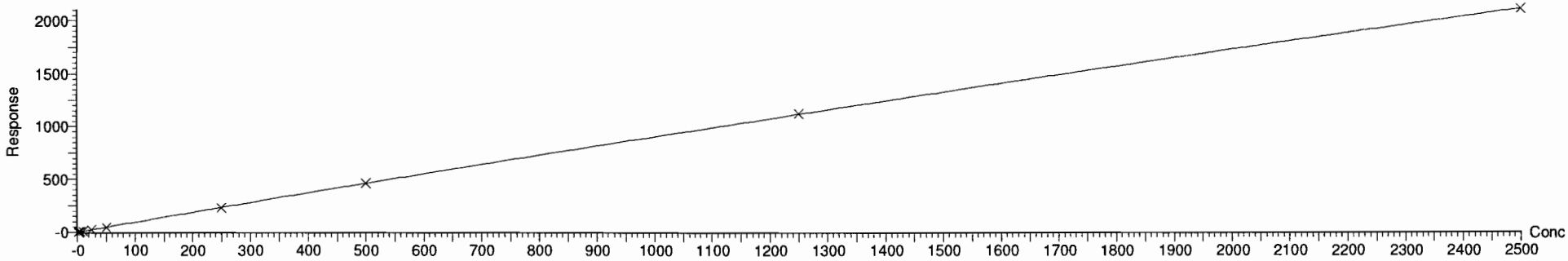

Compound name: PFTeDA
Correlation coefficient: r = 0.999788, r^2 = 0.999576
Calibration curve: 1.45286 * x + 0.0731245
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



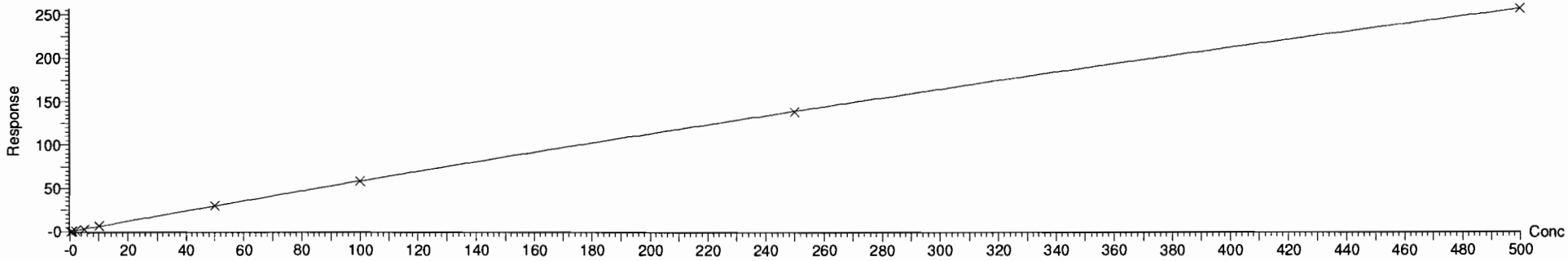
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999929
Calibration curve: -4.03533e-005 * x^2 + 0.943736 * x + 0.0298142
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



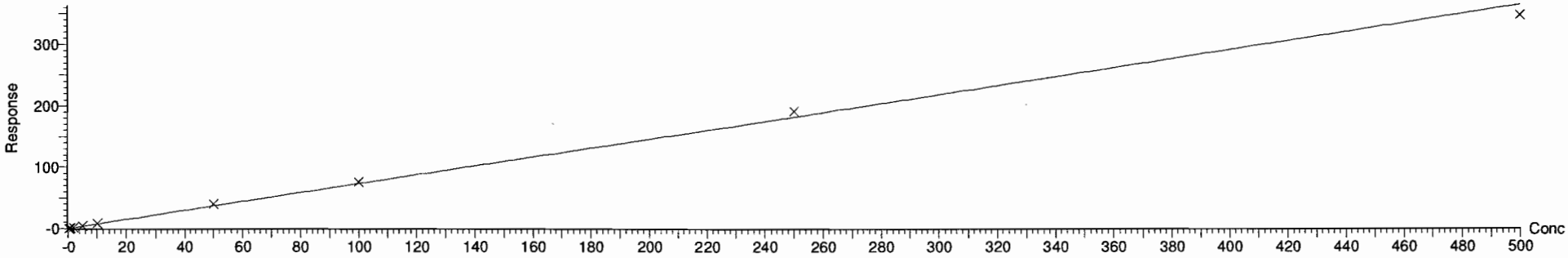

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999880
Calibration curve: -0.000176255 * x^2 + 0.600392 * x + 0.0572277
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



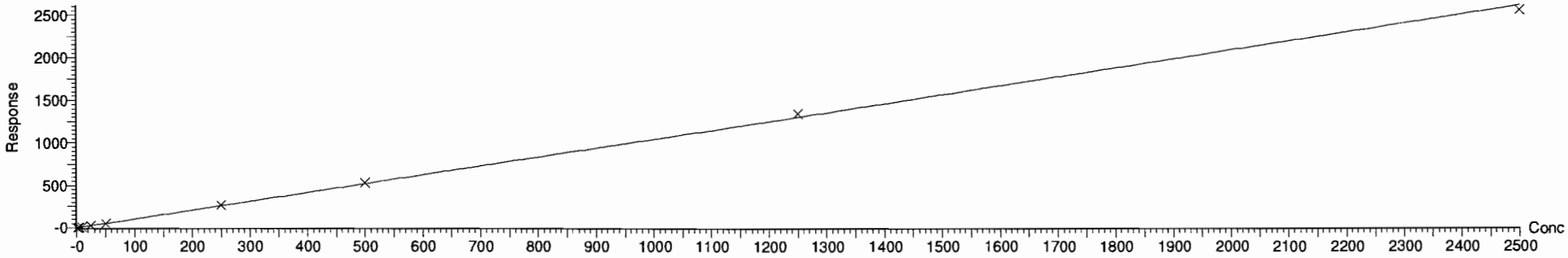
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: PFODA
Correlation coefficient: r = 0.998483, r^2 = 0.996968
Calibration curve: 0.725768 * x + 0.0498033
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



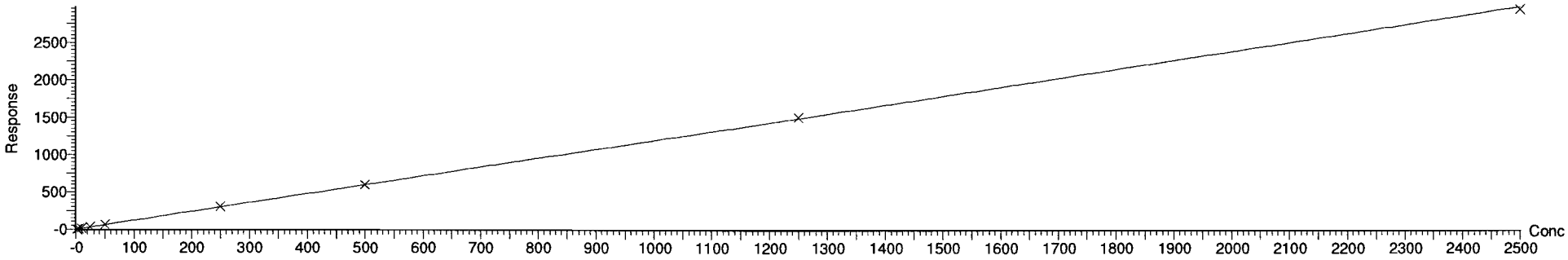

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999686, r^2 = 0.999372
Calibration curve: 1.04437 * x + -0.0825141
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 08:10:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:14:25 Pacific Daylight Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.999916, r^2 = 0.999833
Calibration curve: 1.19031 * x + -0.345382
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

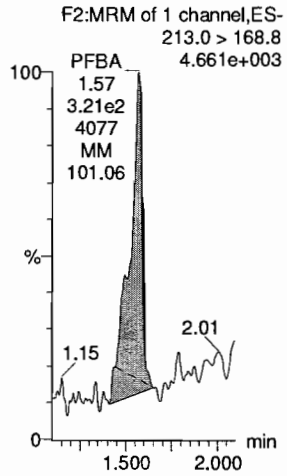
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 29 Jul 2019 14:15:31**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 07:59:04**

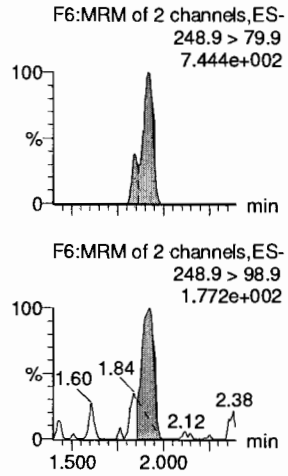
**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

3 3
dm 7/30/19 dm 7/30/19

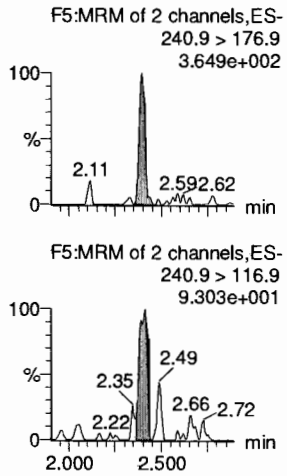
**PFBA**



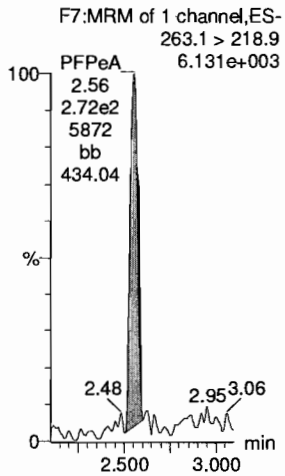

**PFPrS**



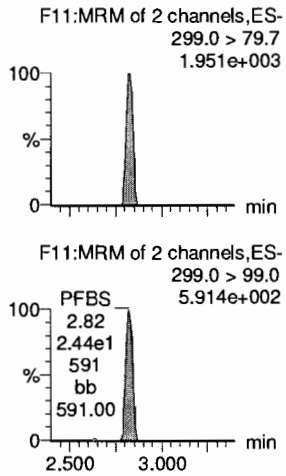

**3:3 FTCA**



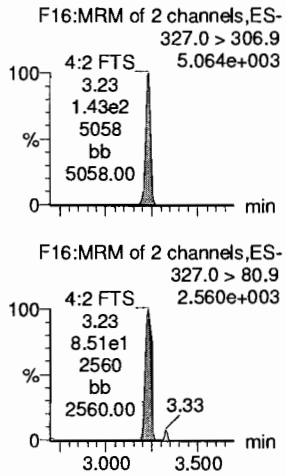

**PFPeA**



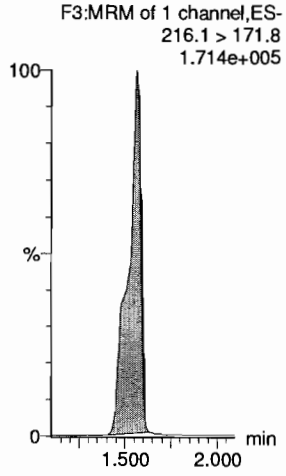

**PFBS**




**4:2 FTS**




**13C3-PFBA**

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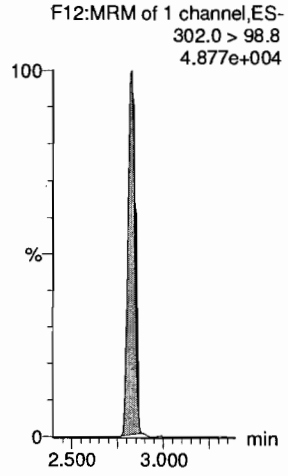
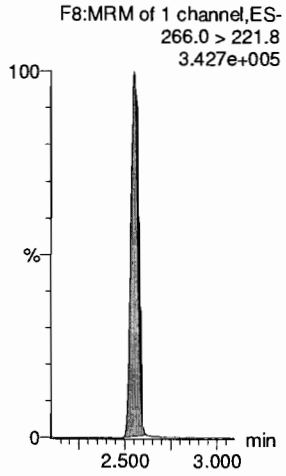



**13C3-PFPeA**

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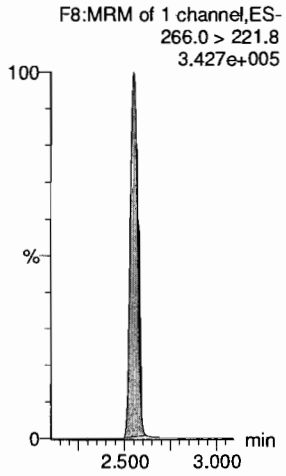
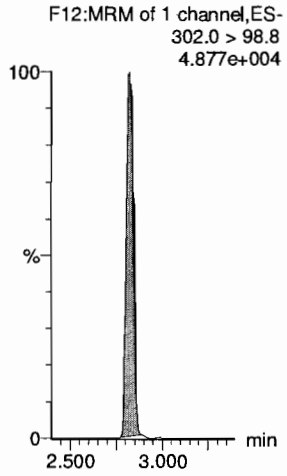
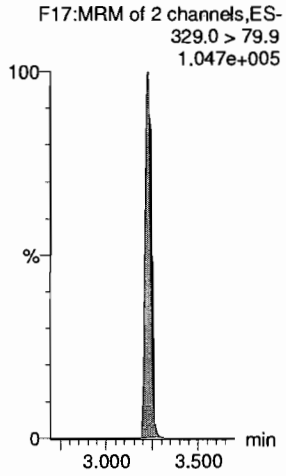



**13C3-PFBS**




**13C2-4:2 FTS**

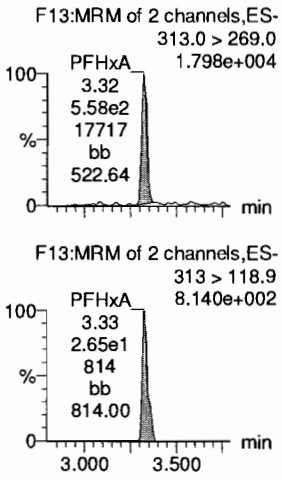


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

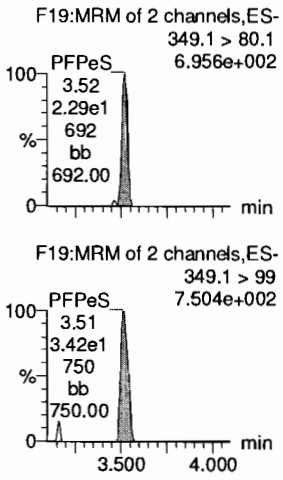
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

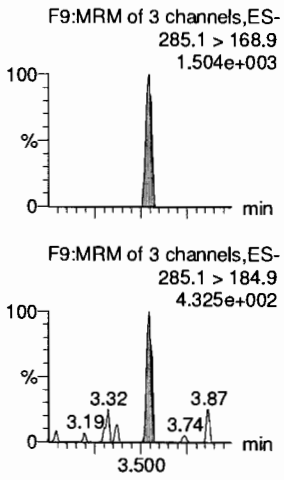
**PFHxA**



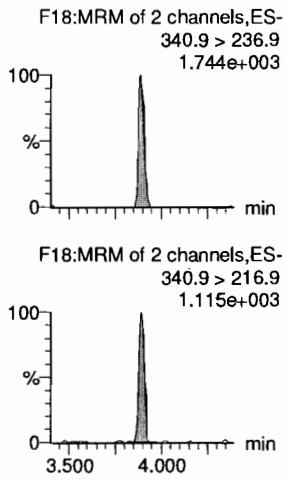

**PFPeS**



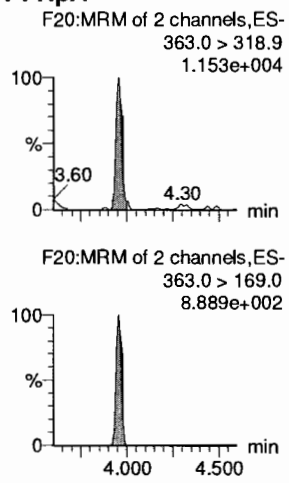

**HFPO-DA**



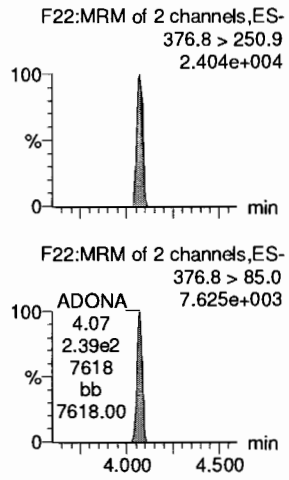

**5:3 FTCA**



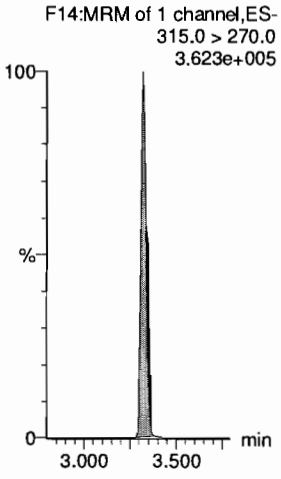

**PFHpA**



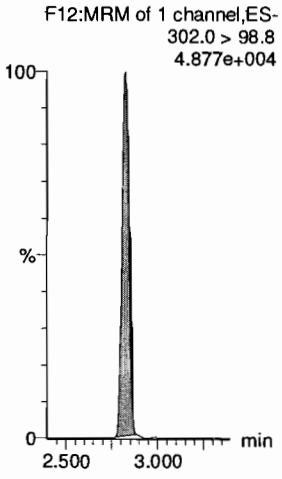

**ADONA**




**13C2-PFHxA**




**13C3-PFBS**

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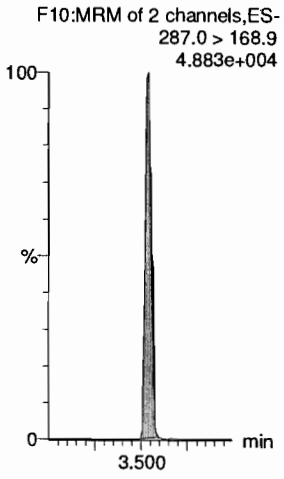
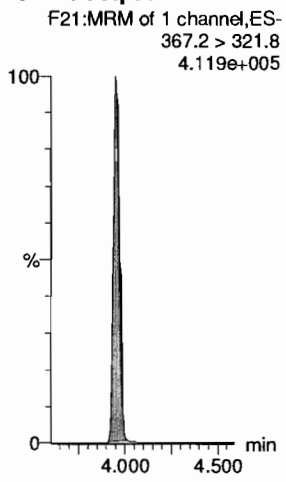



**13C4-PFHpA**

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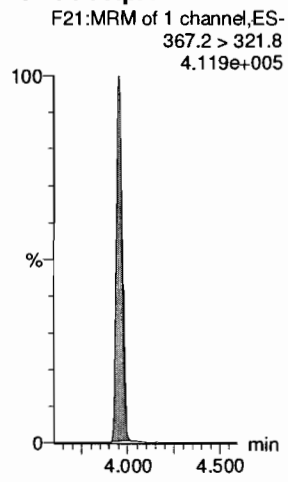
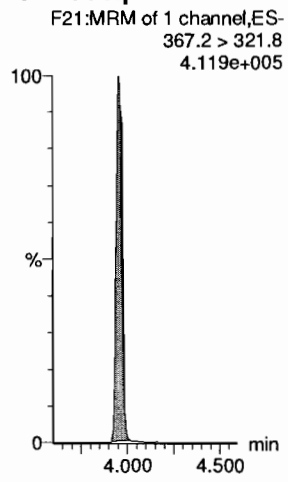



**13C4-PFHpA**

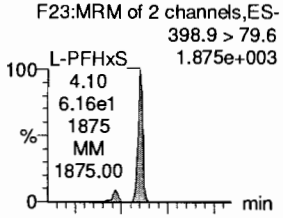


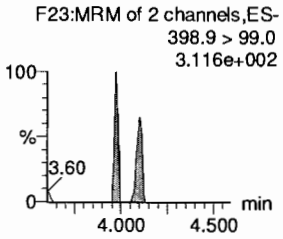
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

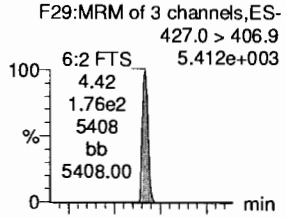
**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

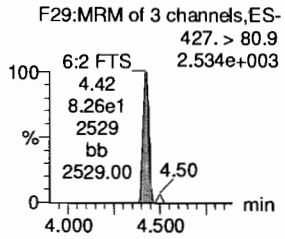
**L-PFHxS**



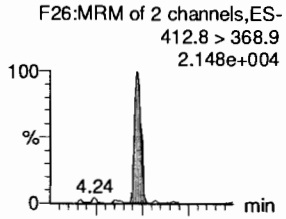



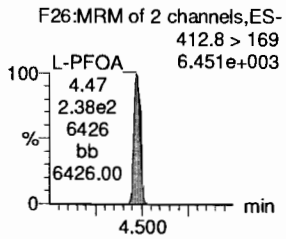

**6:2 FTS**



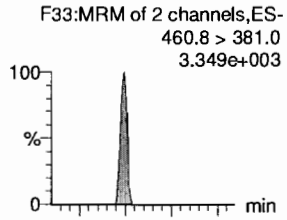



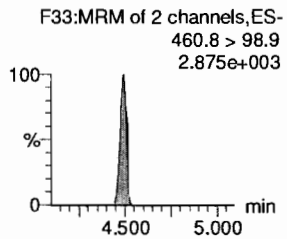

**L-PFOA**



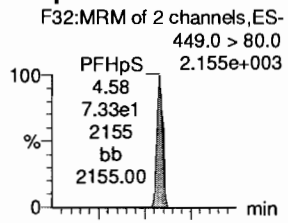



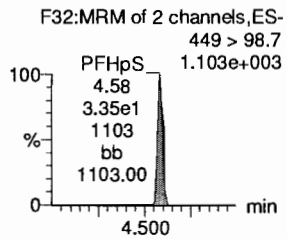

**PFEChS**



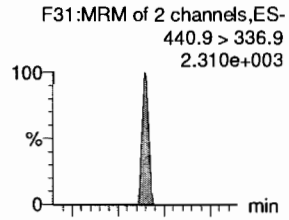



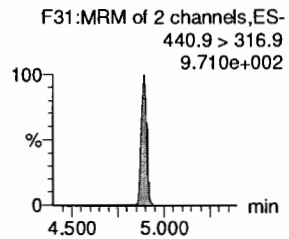

**PFHpS**



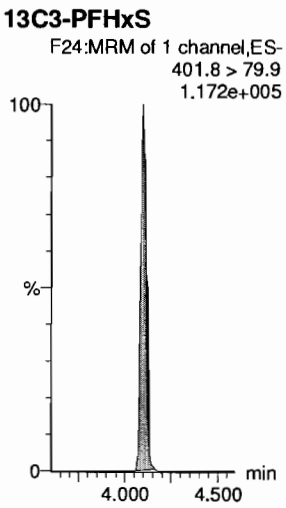




**7:3 FTCA**

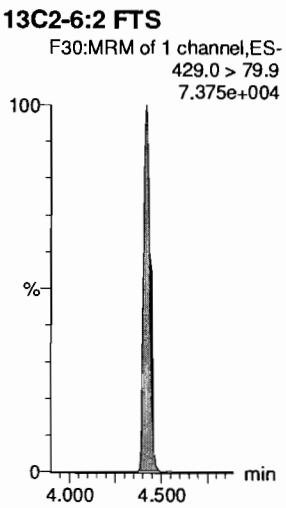


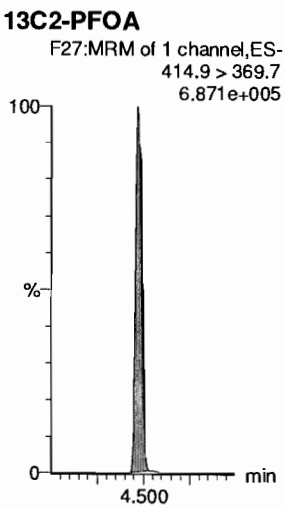

**13C3-PFHxS**



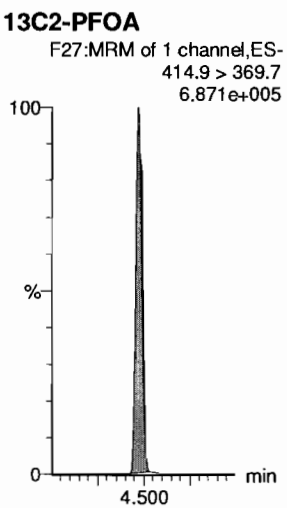

**13C2-6:2 FTS**



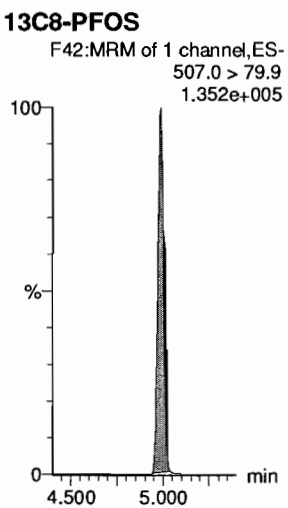

**13C2-PFOA**



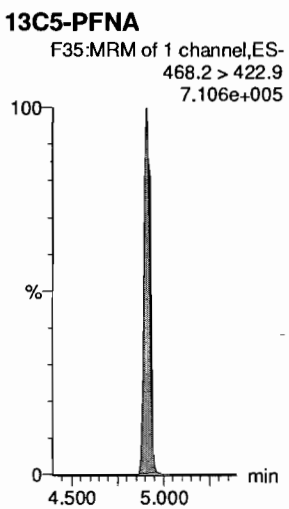

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

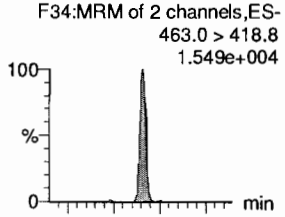


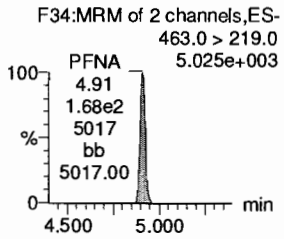
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

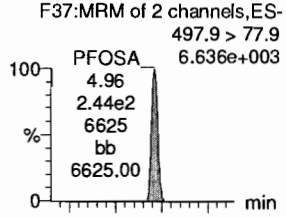
**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

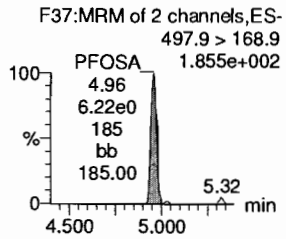
**PFNA**



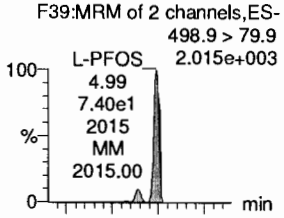



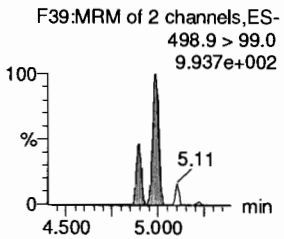

**PFOSA**



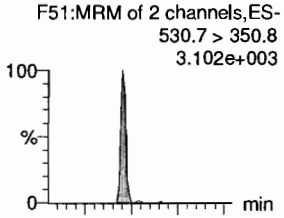



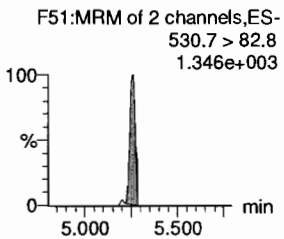

**L-PFOS**



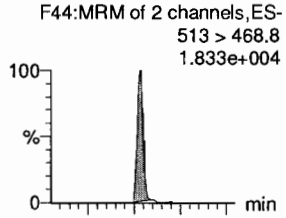



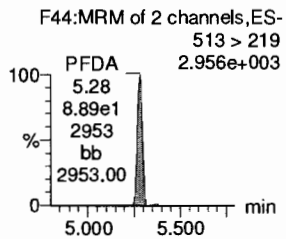

**9Cl-PF30NS**



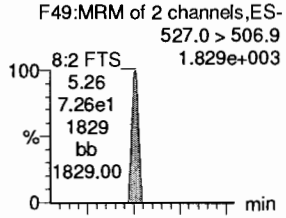



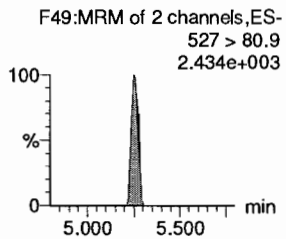

**PFDA**



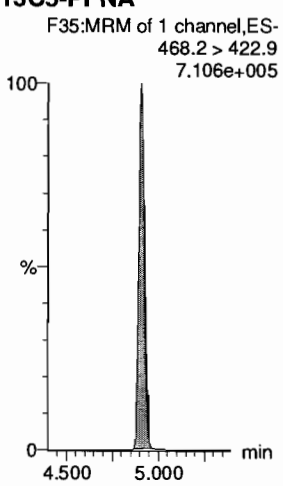




**8:2 FTS**

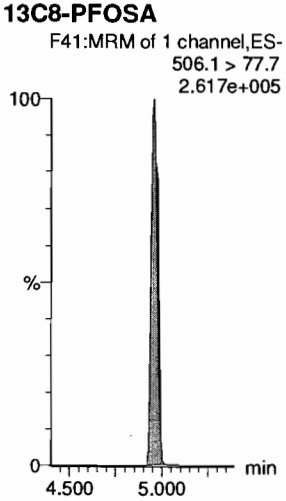


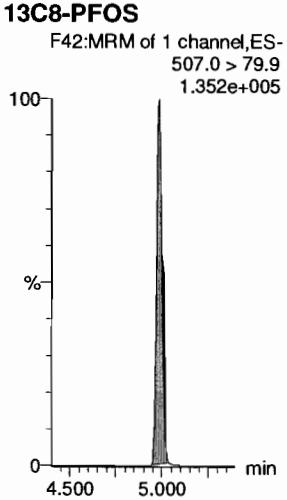

**13C5-PFNA**



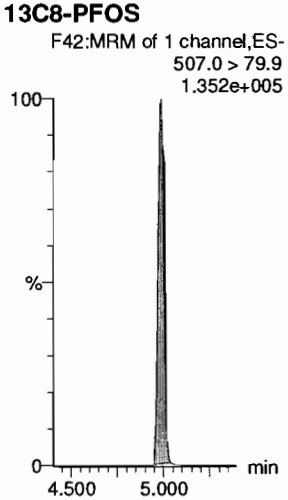

**13C8-PFOSA**



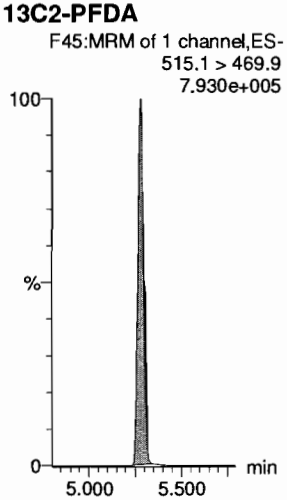

**13C8-PFOS**



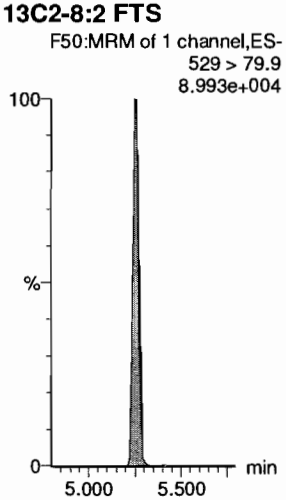

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

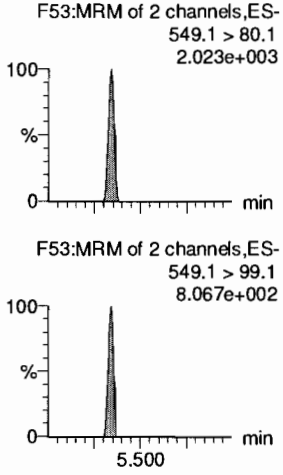


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

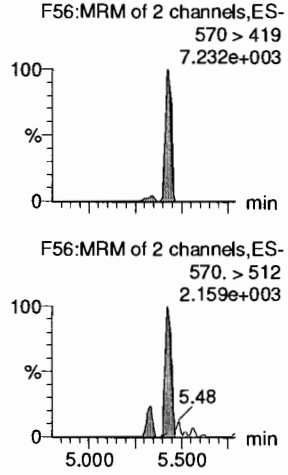
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

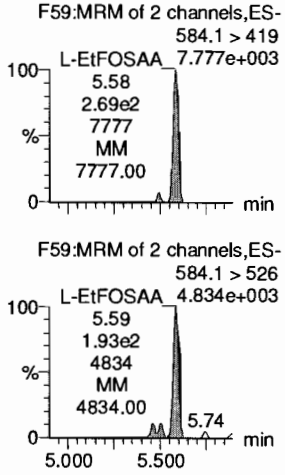
**PFNS**



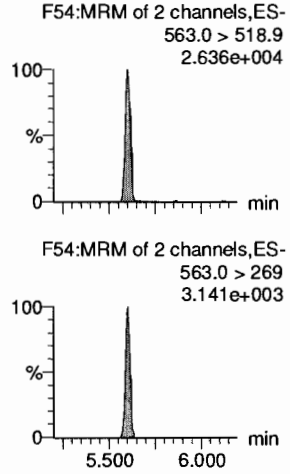

**L-MeFOSAA**



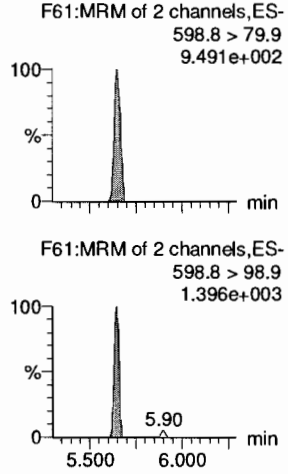

**L-EtFOSAA**



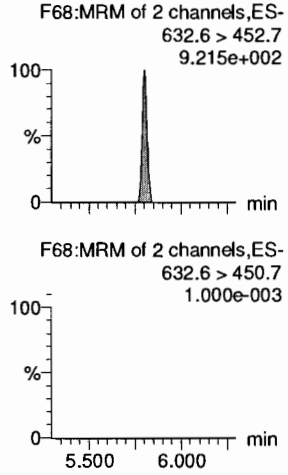

**PFUdA**



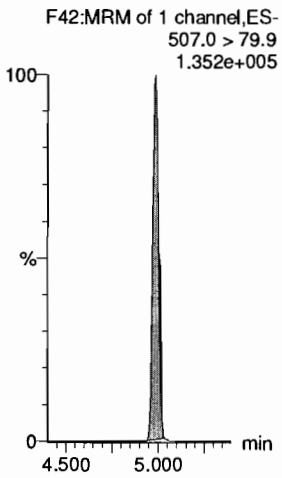

**PFDS**



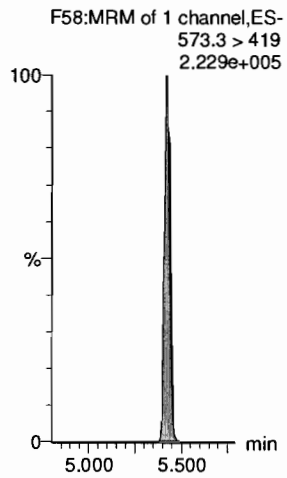

**11Cl-PF30UdS**



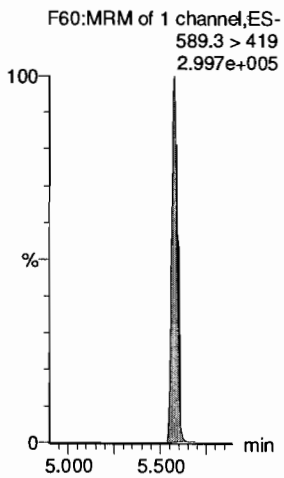

**13C8-PFOS**



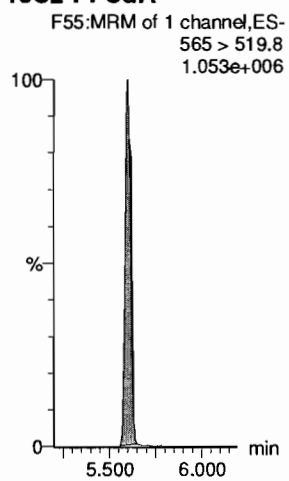

**d3-N-MeFOSAA**



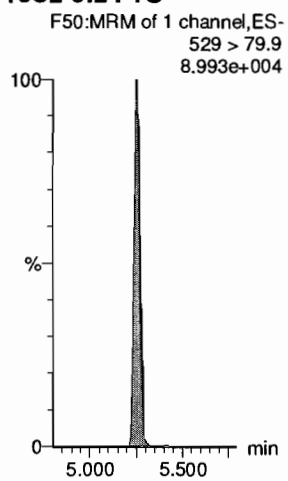

**d5-N-EtFOSAA**



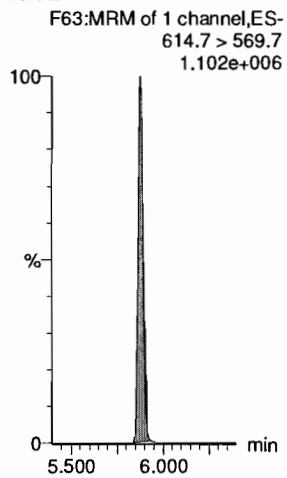

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

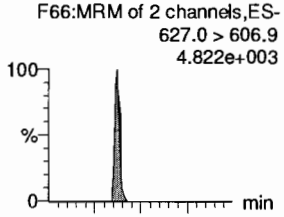


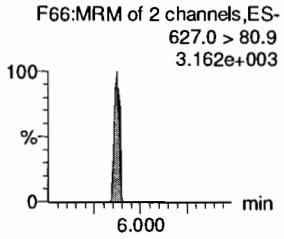
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

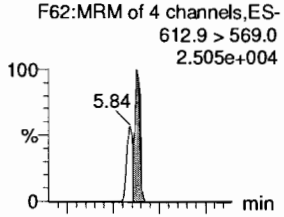
**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

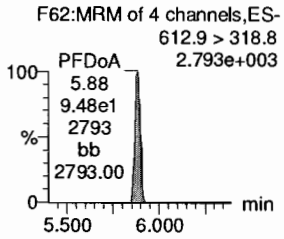
**10:2 FTS**



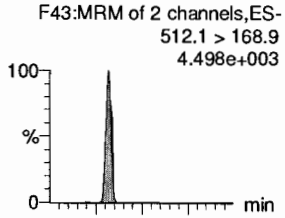



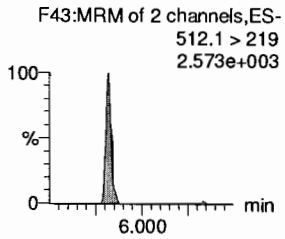

**PFDoA**



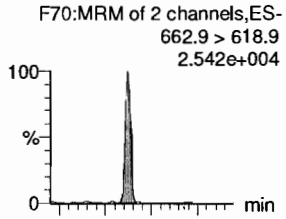



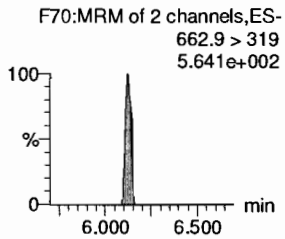

**N-MeFOSA**



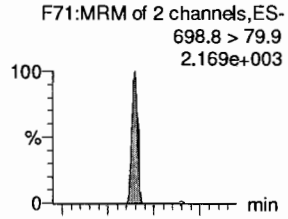



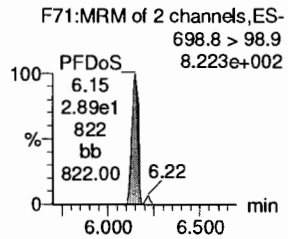

**PFTrDA**



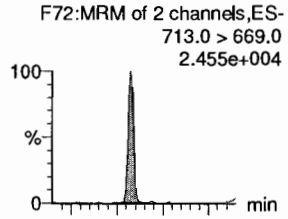



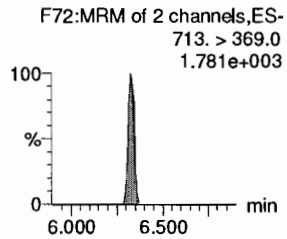

**PFDoS**



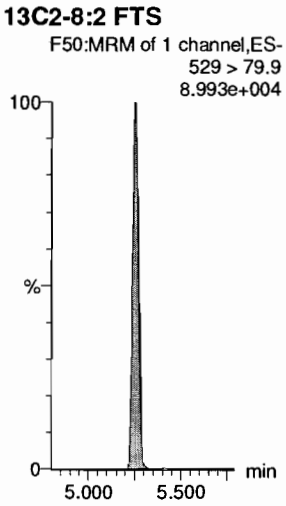




**PFTeDA**

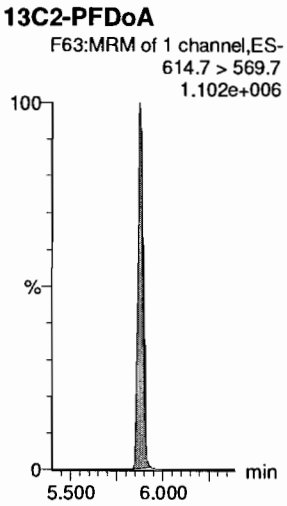


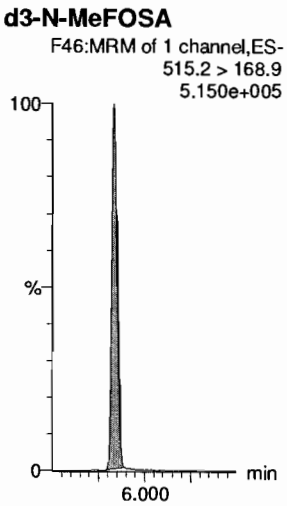

**13C2-8:2 FTS**



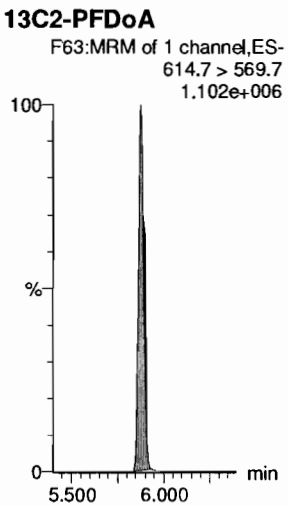

**13C2-PFDoA**



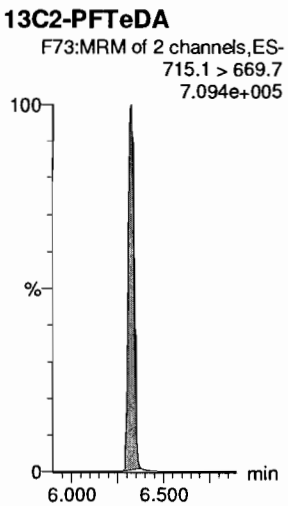

**d3-N-MeFOSA**



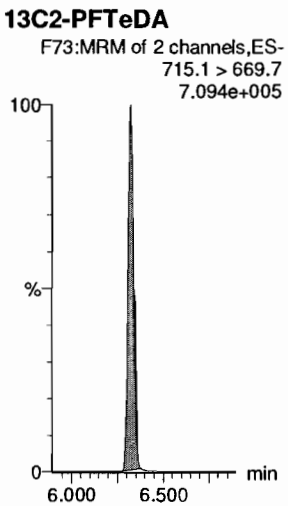

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

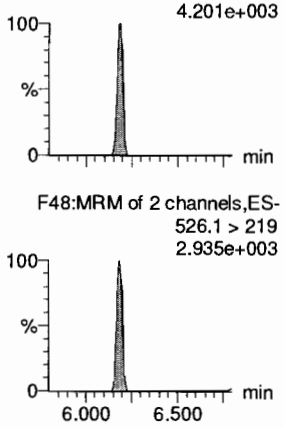


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

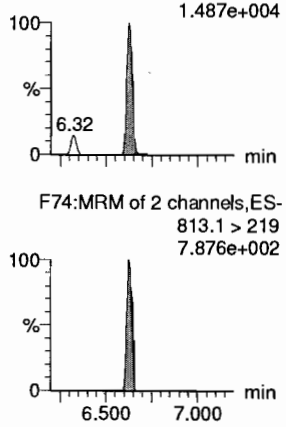
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

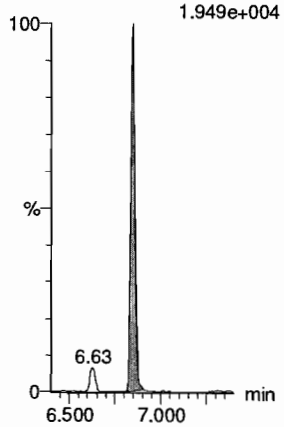
**N-EtFOSA**



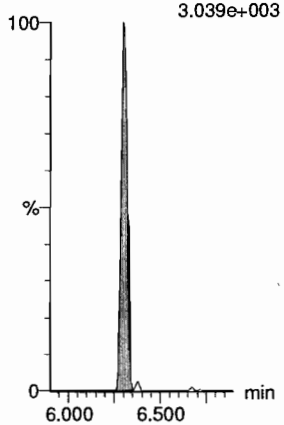

**PFHxDA**



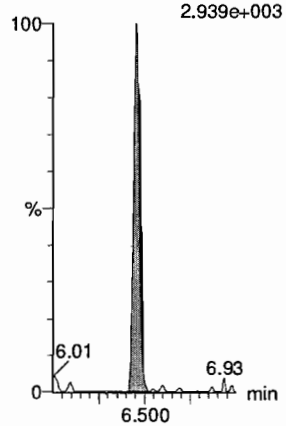

**PFODA**



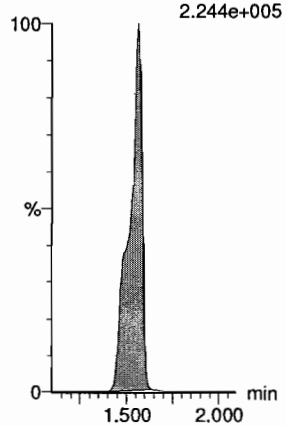

**N-MeFOSE**



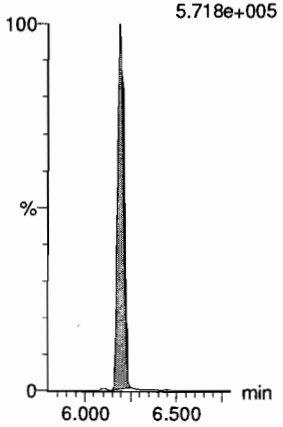

**N-EtFOSE**



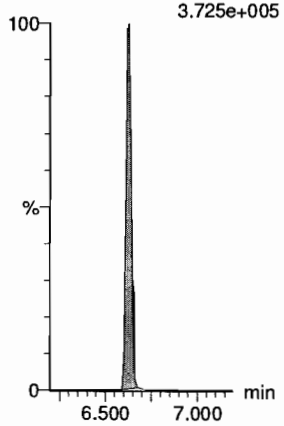

**13C4-PFBA**



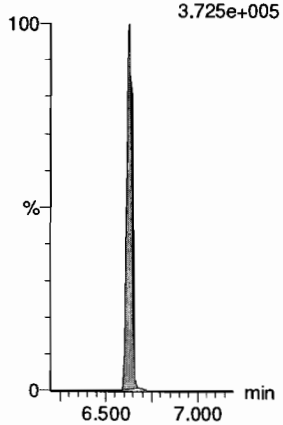

**d5-N-ETFOSA**



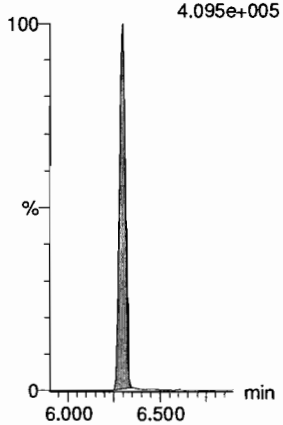

**13C2-PFHxDA**



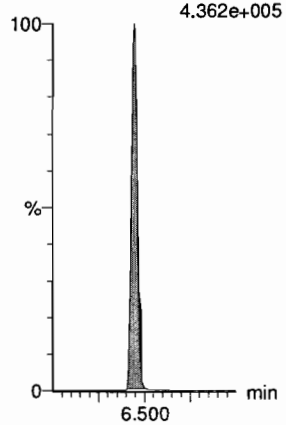

**13C2-PFHxDA**



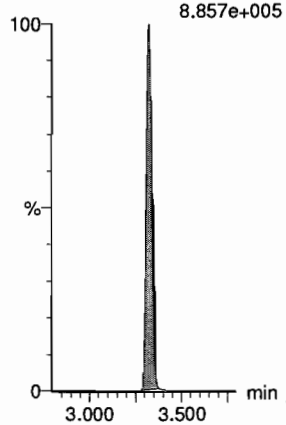

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

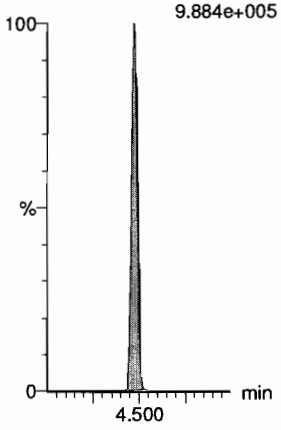


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

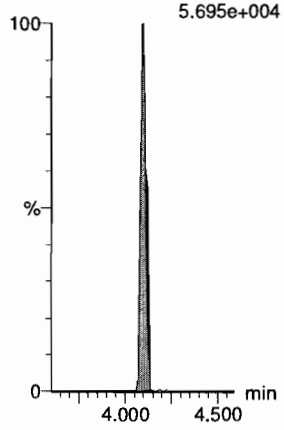
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_4, Date: 29-Jul-2019, Time: 14:22:52, ID: ST190729M1-1 PFC CS-2 19G2001, Description: PFC CS-2 19G2001**

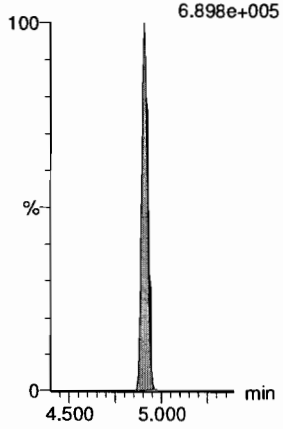
**13C8-PFOA**



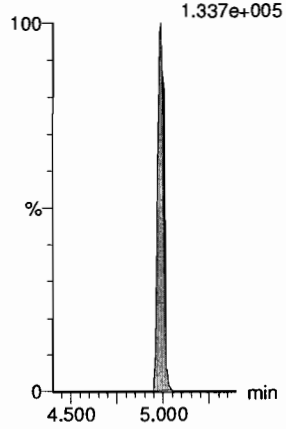

**18O2-PFHxS**



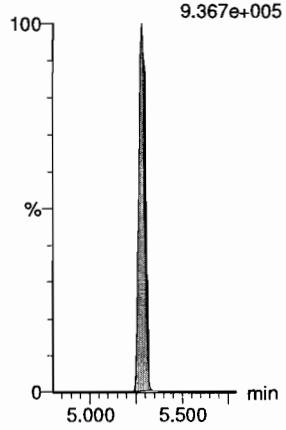

**13C9-PFNA**



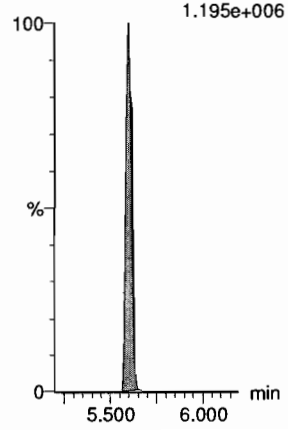

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

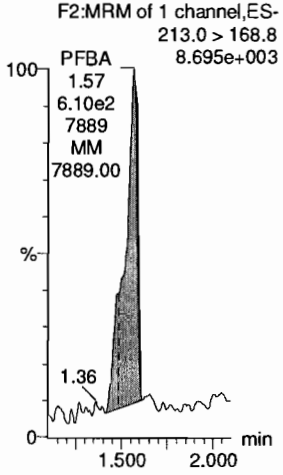


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

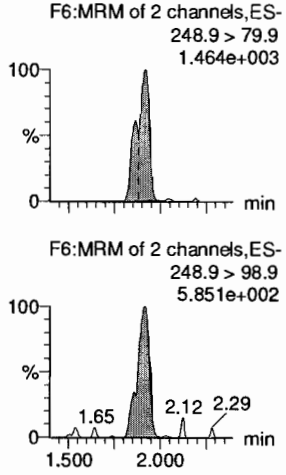
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

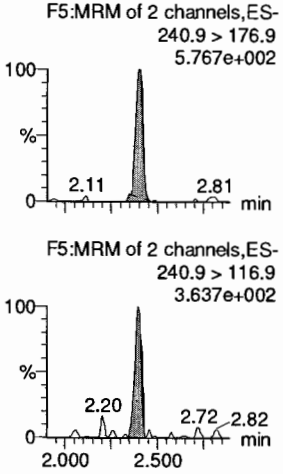
**PFBA**



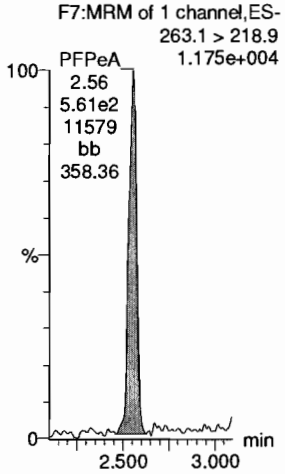

**PFPrS**



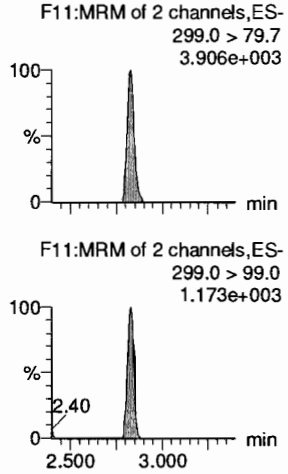

**3:3 FTCA**



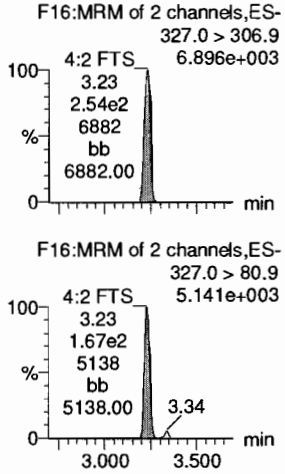

**PFPeA**



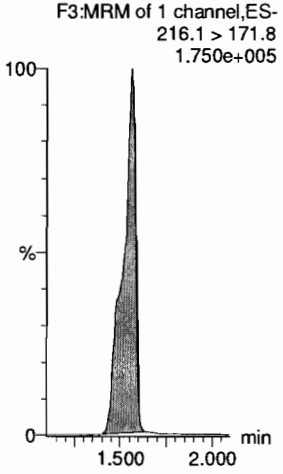

**PFBS**




**4:2 FTS**




**13C3-PFBA**

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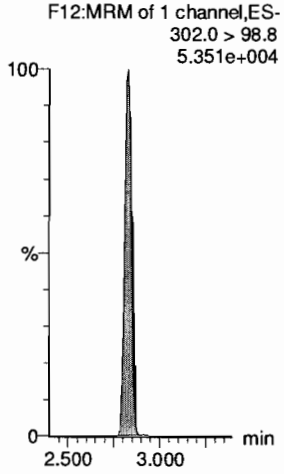
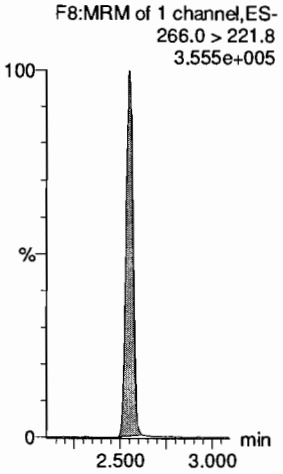



**13C3-PFPeA**

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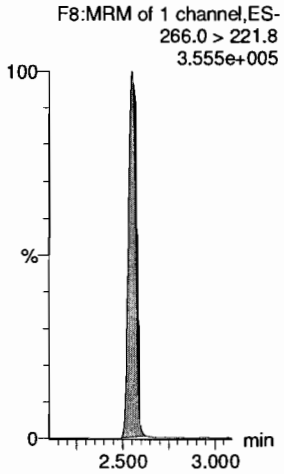
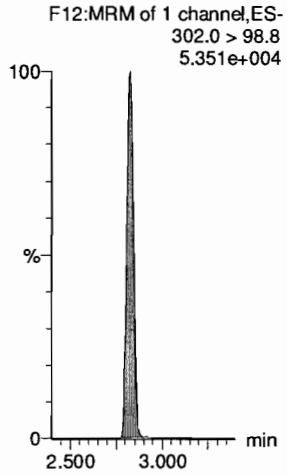
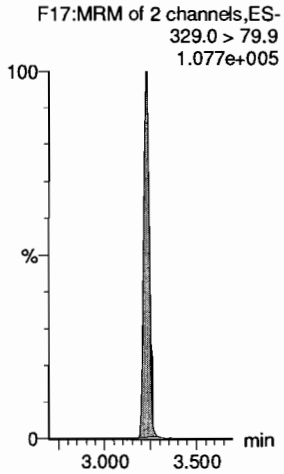



**13C3-PFBS**




**13C2-4:2 FTS**



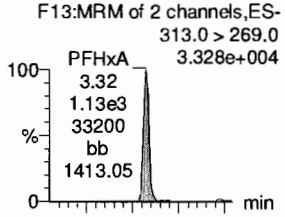
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

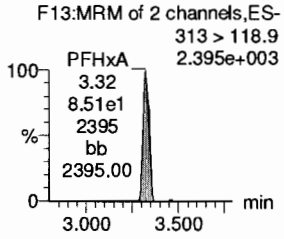
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

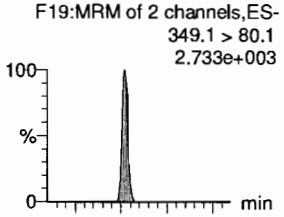
3 3
am 7/30/19 am 7/30/19

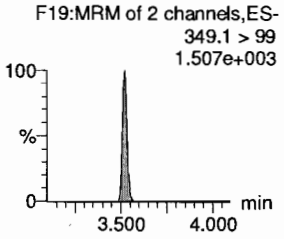
**PFHxA**



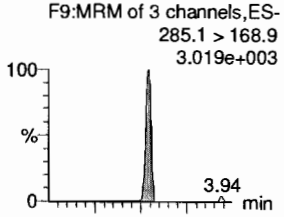



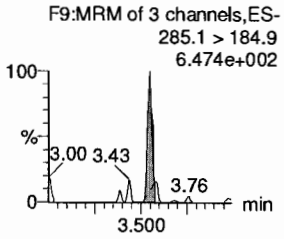

**PFPeS**



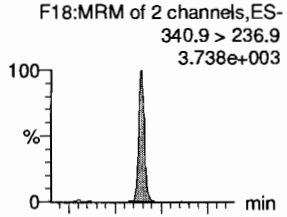



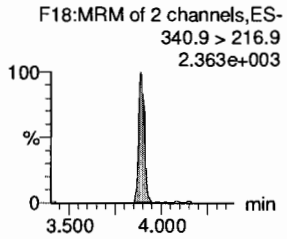

**HFPO-DA**



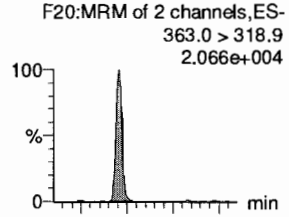



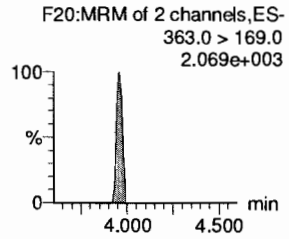

**5:3 FTCA**



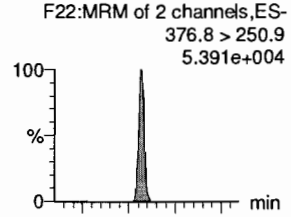



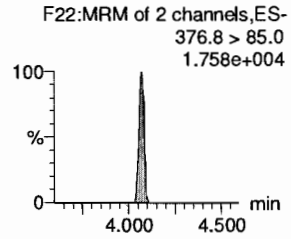

**PFHpA**



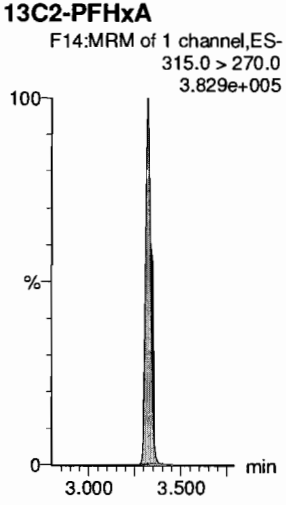




**ADONA**

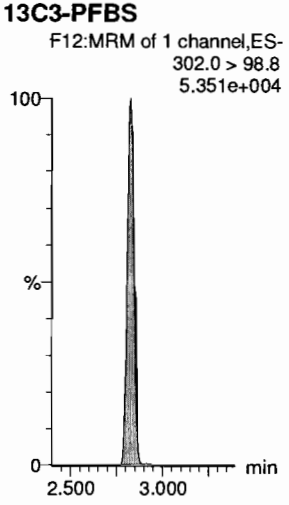


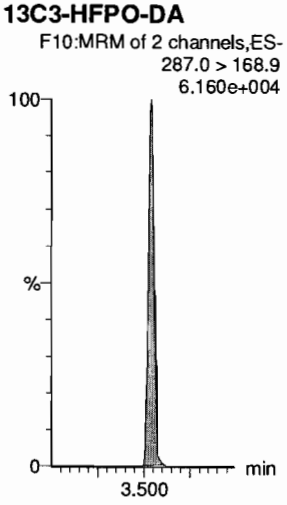

**13C2-PFHxA**



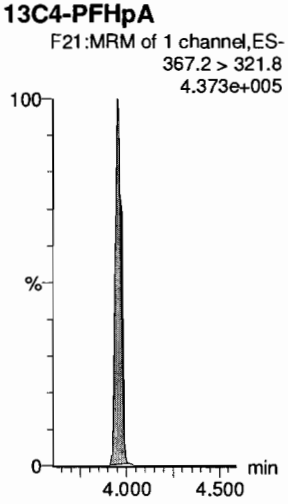

**13C3-PFBS**



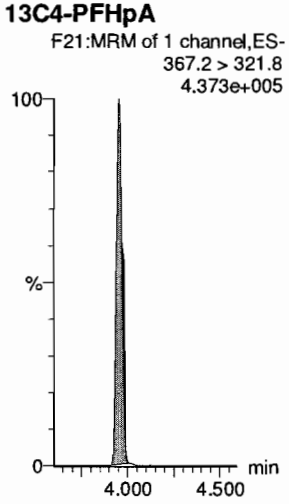

**13C3-HFPO-DA**



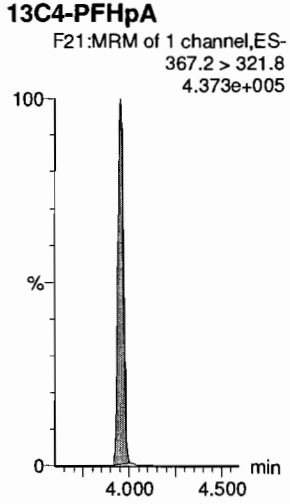

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

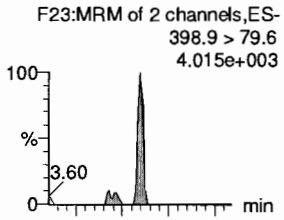


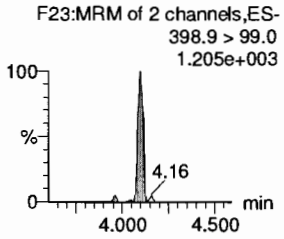
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

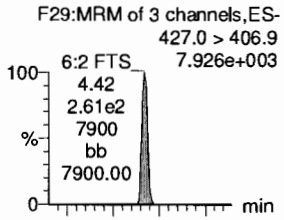
**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

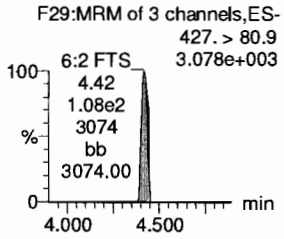
**L-PFHxS**



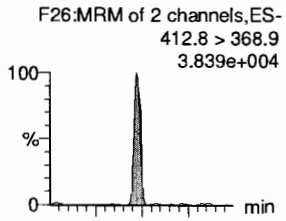



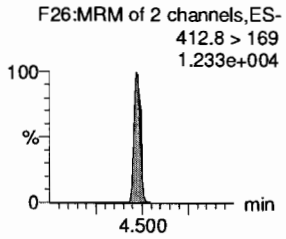

**6:2 FTS**




**L-PFOA**

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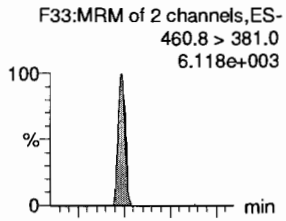
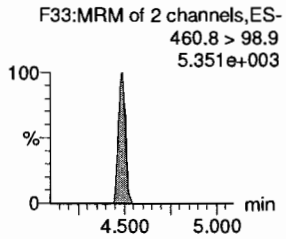
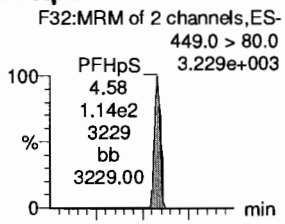
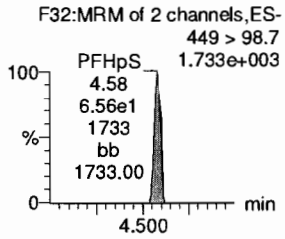


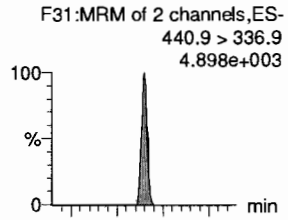



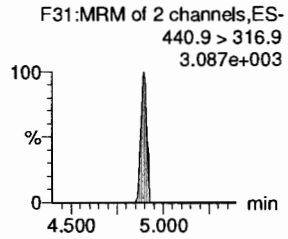

**PFHpS**



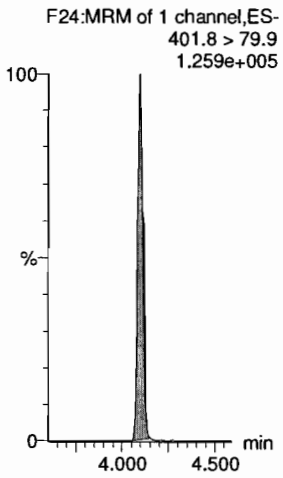




**7:3 FTCA**

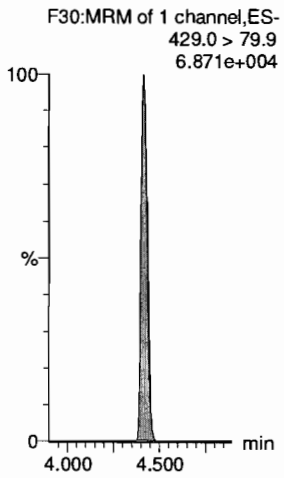


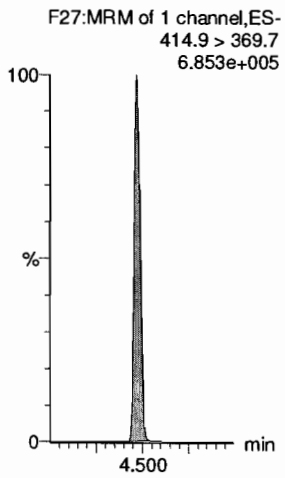

**13C3-PFHxS**



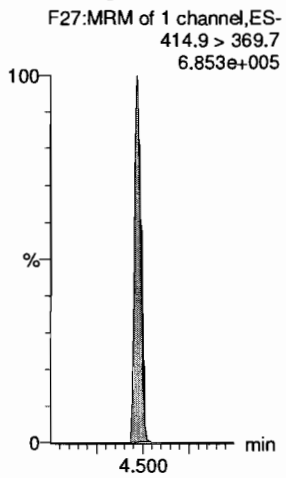

**13C2-6:2 FTS**



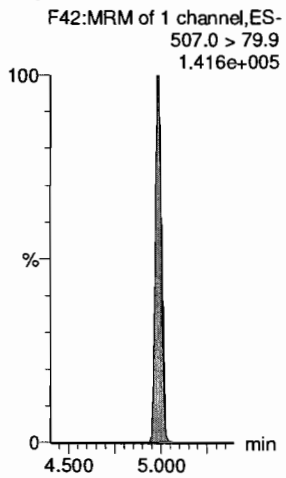

**13C2-PFOA**



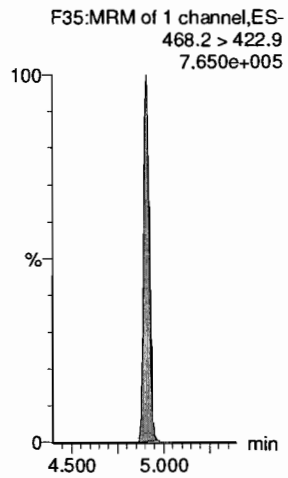

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

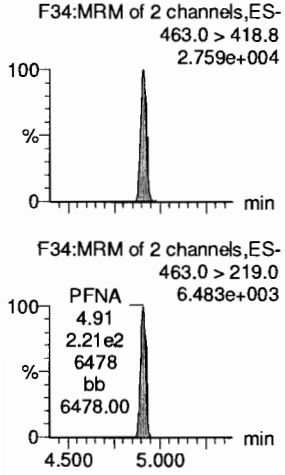


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

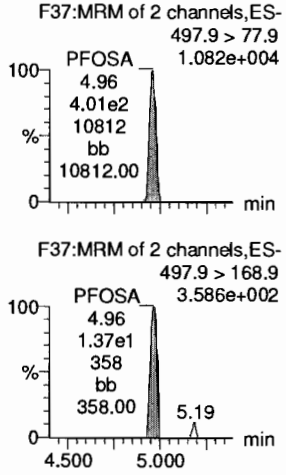
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

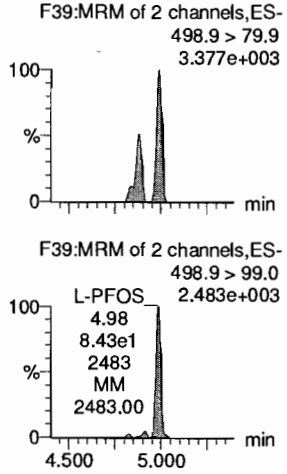
**PFNA**



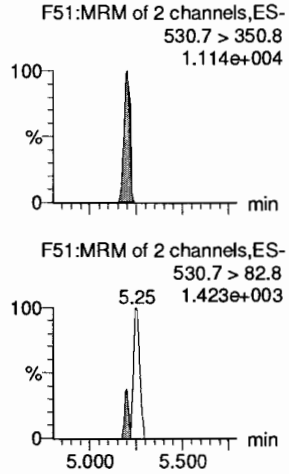

**PFOSA**



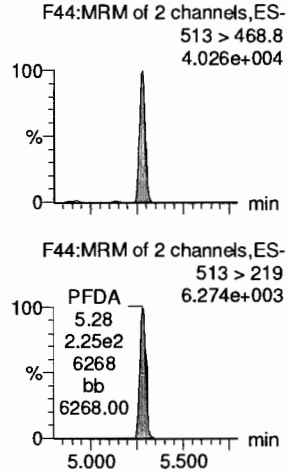

**L-PFOS**



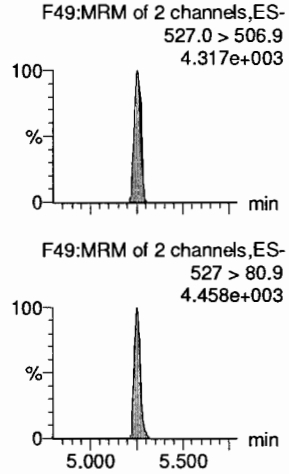

**9Cl-PF30NS**



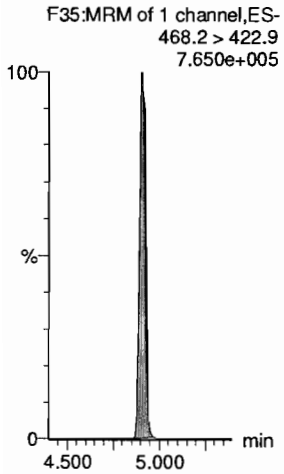

**PFDA**



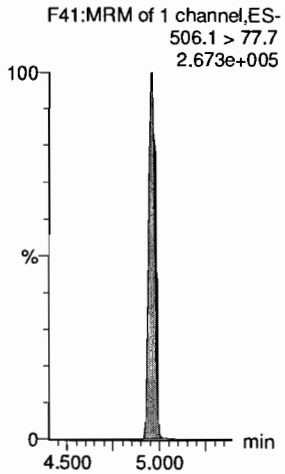

**8:2 FTS**



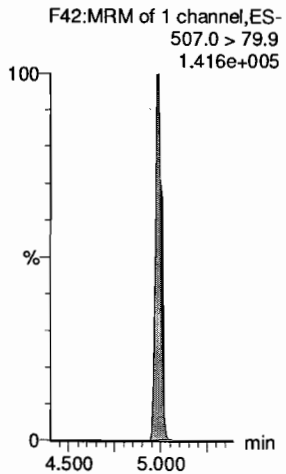

**13C5-PFNA**



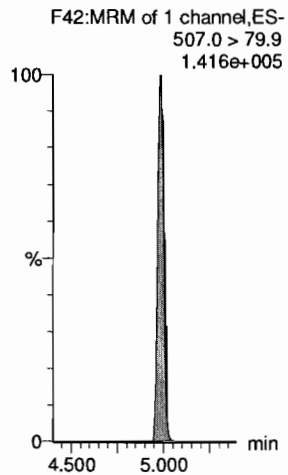

**13C8-PFOSA**



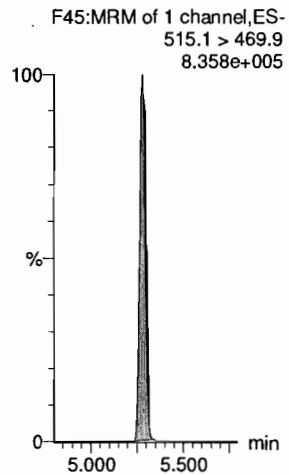

**13C8-PFOS**



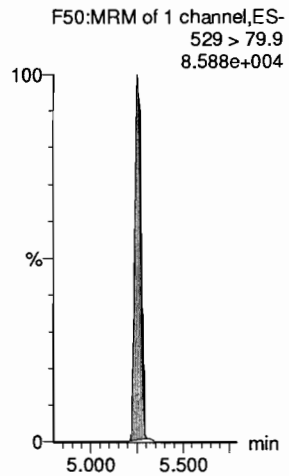

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

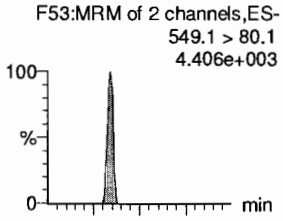


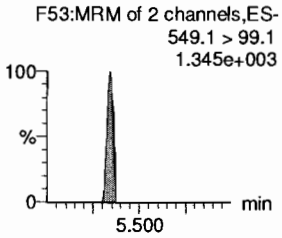
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

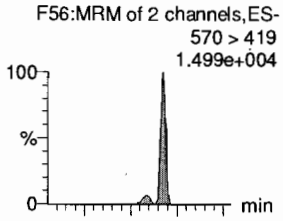
**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

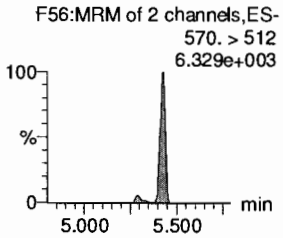
**PFNS**



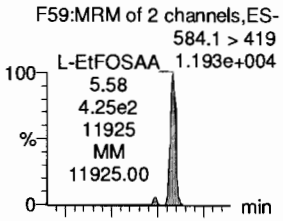



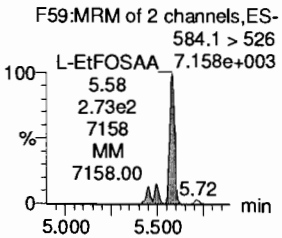

**L-MeFOSAA**



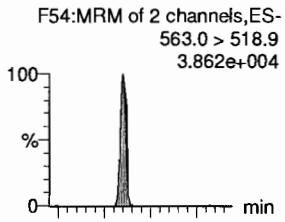



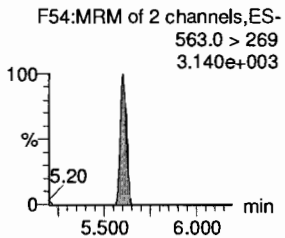

**L-EtFOSAA**



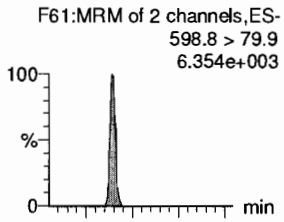



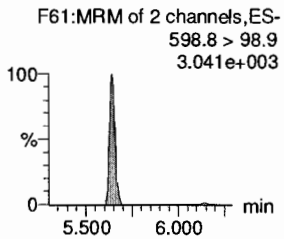

**PFUdA**



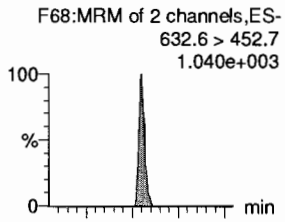



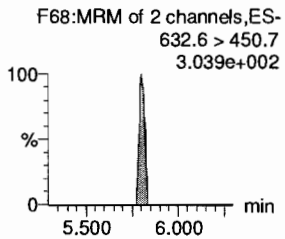

**PFDS**



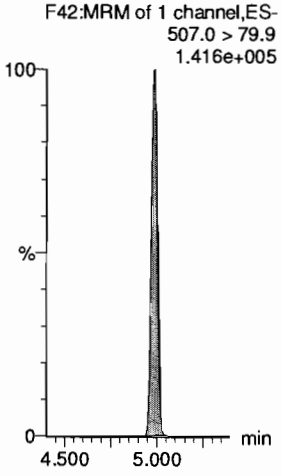




**11Cl-PF30UdS**

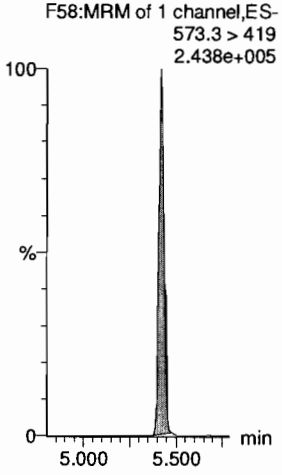


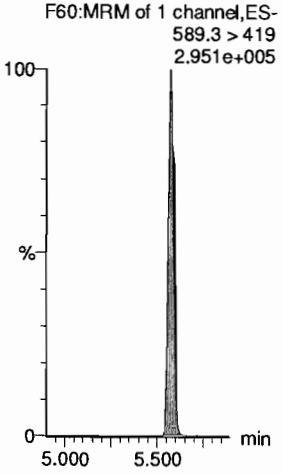

**13C8-PFOS**



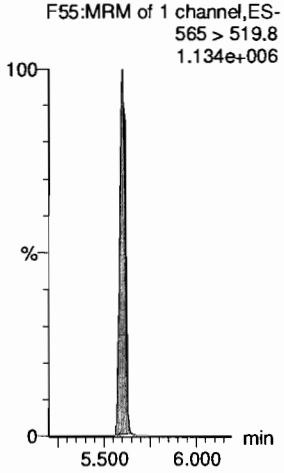

**d3-N-MeFOSAA**



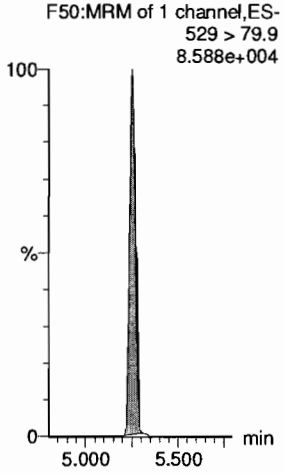

**d5-N-EtFOSAA**



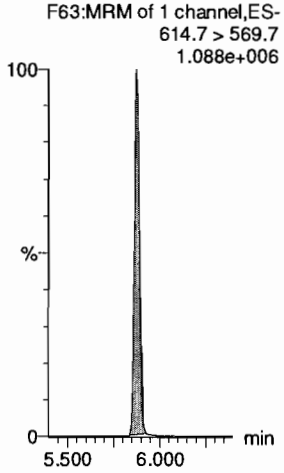

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

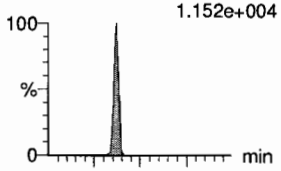


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

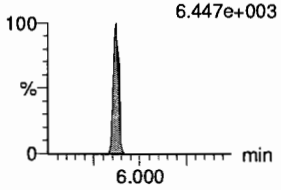
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

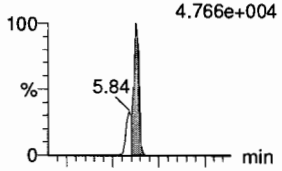
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
1.152e+004



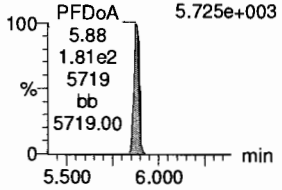

F66:MRM of 2 channels,ES-
627.0 > 80.9
6.447e+003



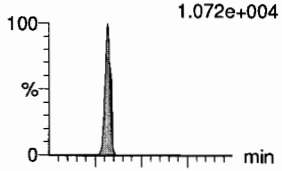

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
4.766e+004



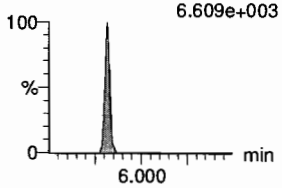

F62:MRM of 4 channels,ES-
612.9 > 318.8
5.725e+003



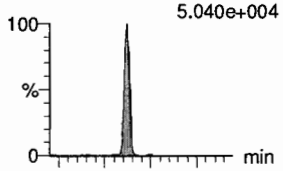

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
1.072e+004



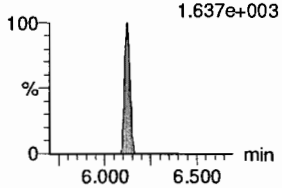

F43:MRM of 2 channels,ES-
512.1 > 219
6.609e+003



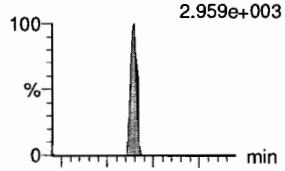

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
5.040e+004



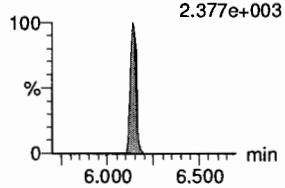

F70:MRM of 2 channels,ES-
662.9 > 319
1.637e+003



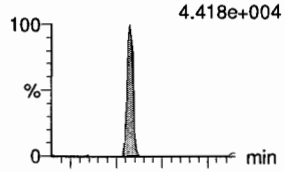

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
2.959e+003



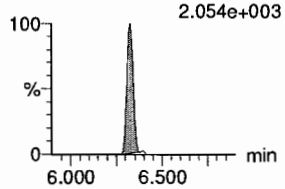

F71:MRM of 2 channels,ES-
698.8 > 98.9
2.377e+003



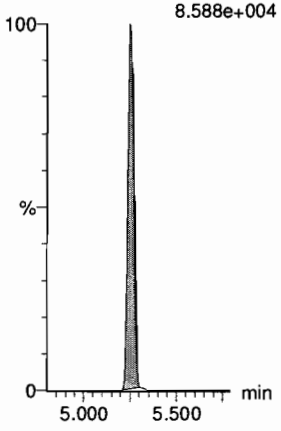

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
4.418e+004



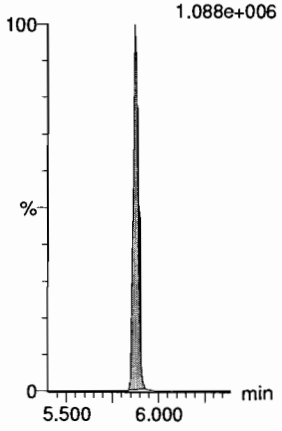

F72:MRM of 2 channels,ES-
713. > 369.0
2.054e+003



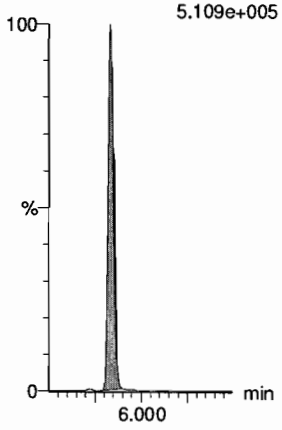

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
8.588e+004



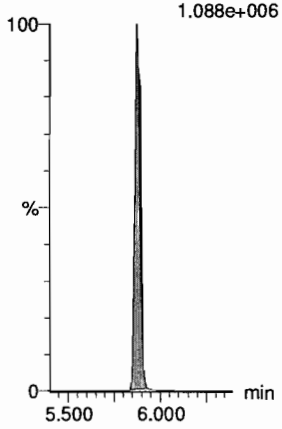

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.088e+006



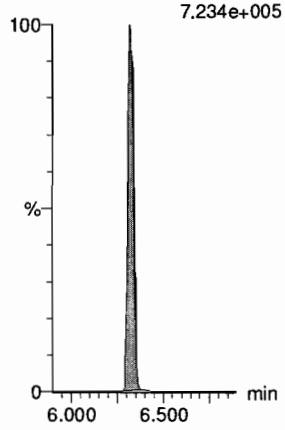

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
5.109e+005



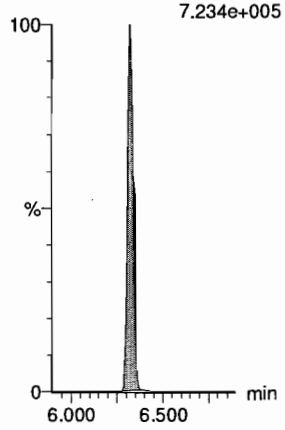

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.088e+006




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
7.234e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
7.234e+005



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

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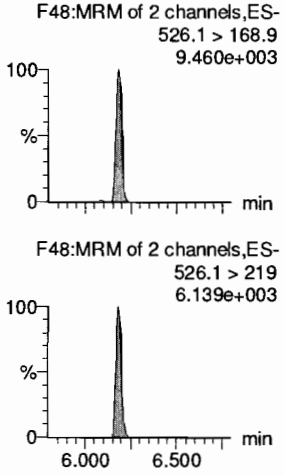
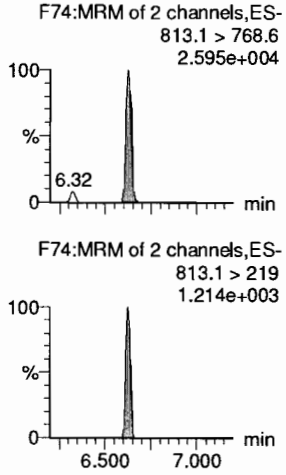
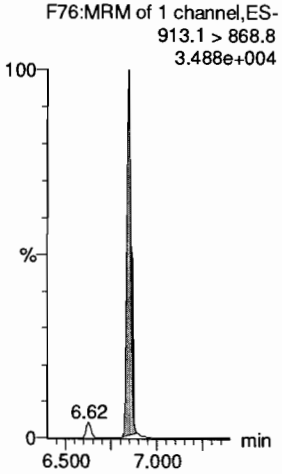


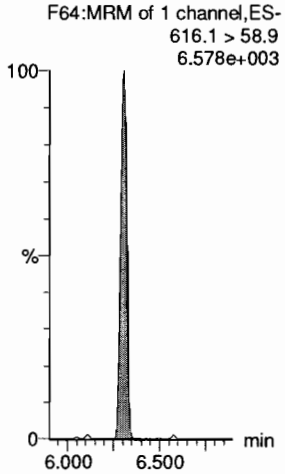

**PFHxDA**




**PFODA**




**N-MeFOSE**

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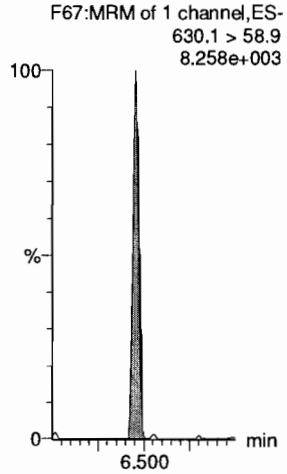
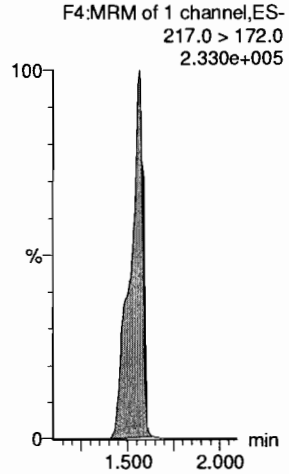
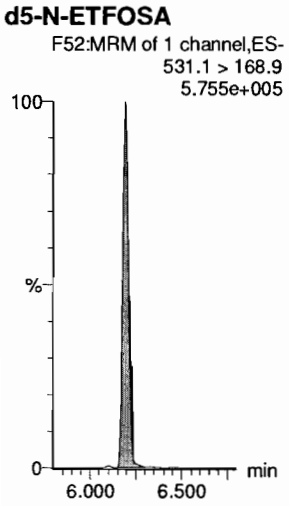



**13C4-PFBA**




**d5-N-ETFOSA**

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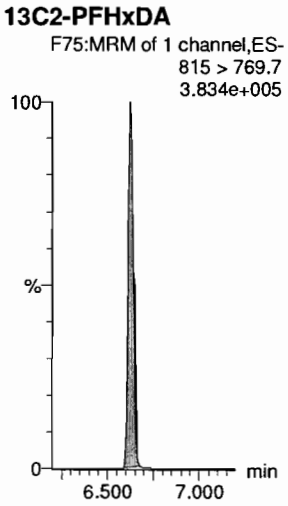


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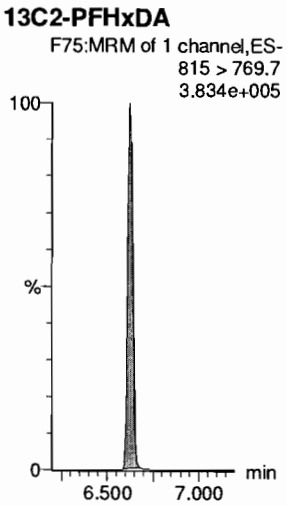


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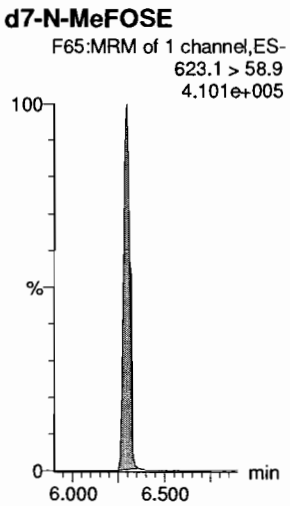
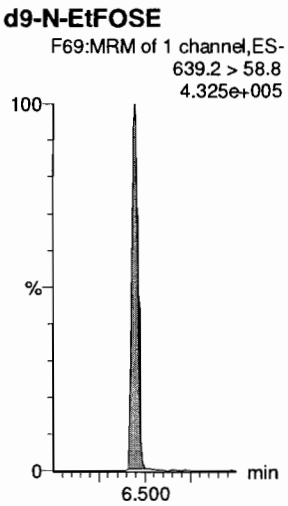



**d9-N-EtFOSE**

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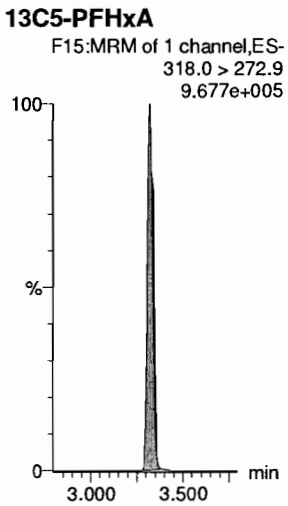
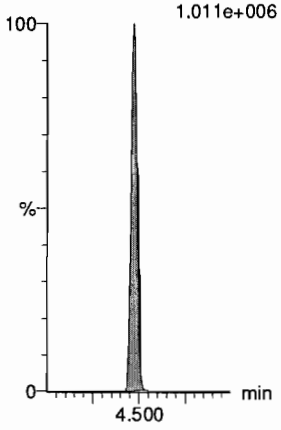


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

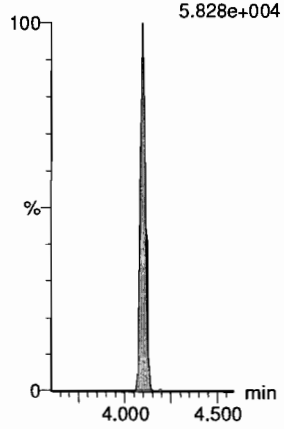
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_5, Date: 29-Jul-2019, Time: 14:33:25, ID: ST190729M1-2 PFC CS-1 19G2002, Description: PFC CS-1 19G2002**

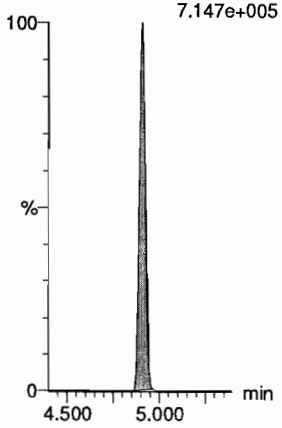
**13C8-PFOA**



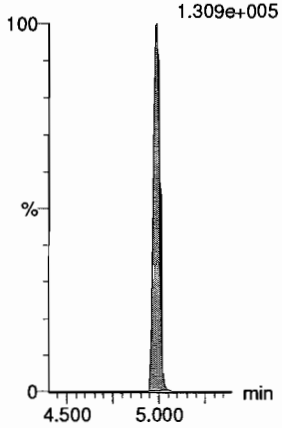

**18O2-PFHxS**



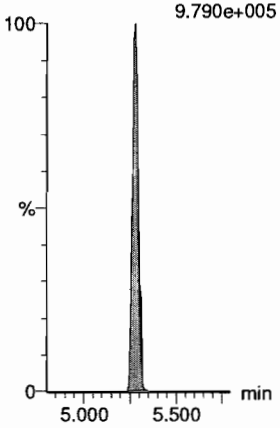

**13C9-PFNA**




**13C4-PFOS**




**13C6-PFDA**

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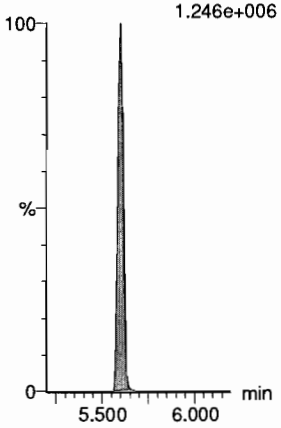

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

3 3
DM 9/30/19 DM 9/30/19

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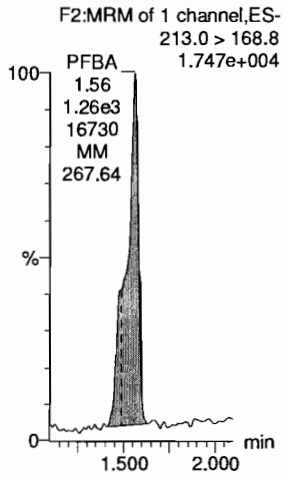
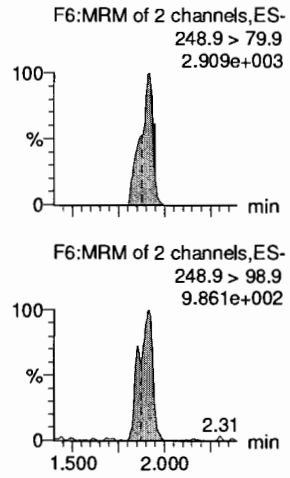
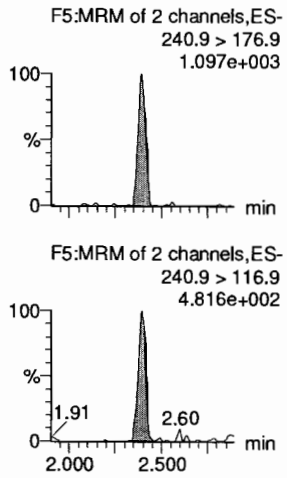



**PFPrS**




**3:3 FTCA**

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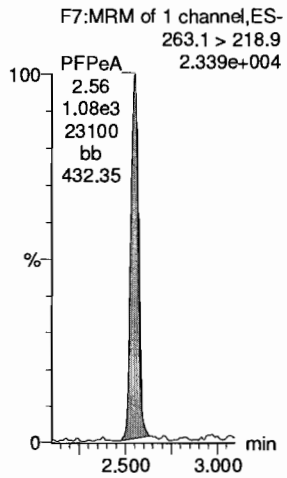


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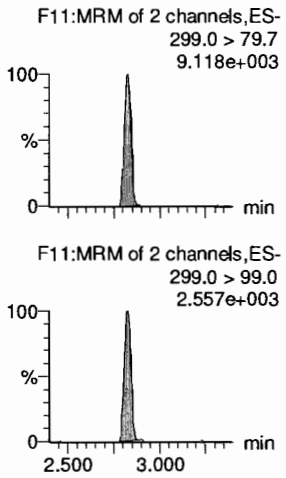
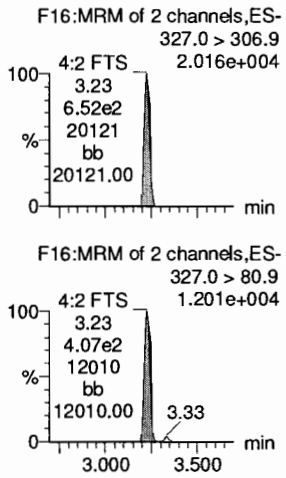
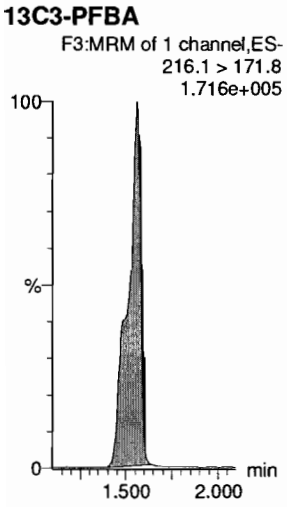



**4:2 FTS**




**13C3-PFBA**

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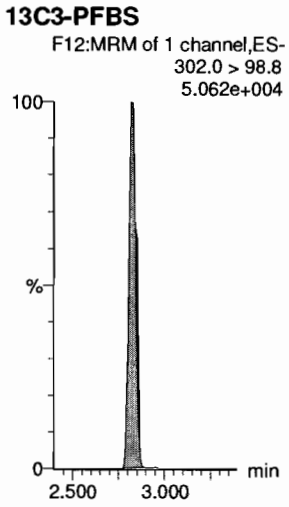


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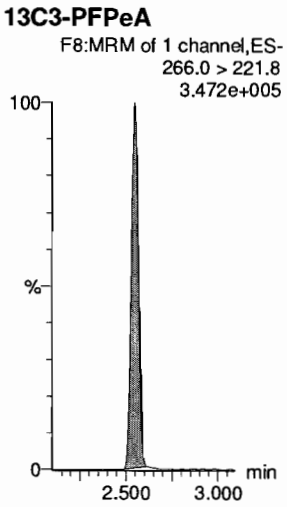


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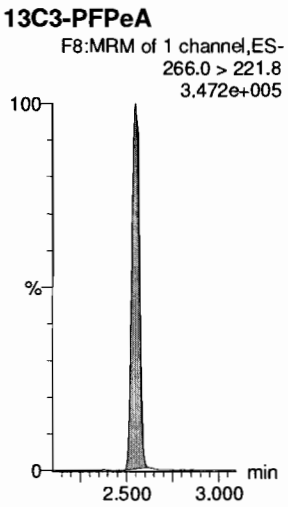


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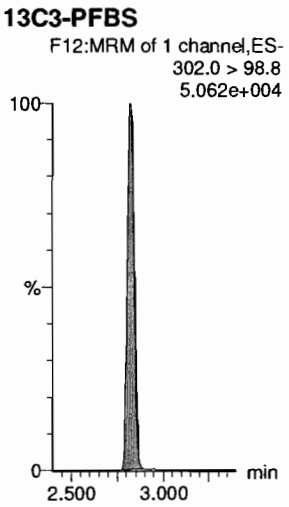
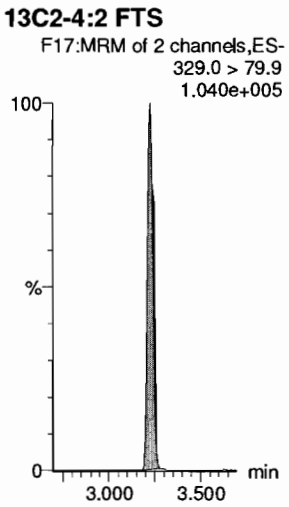



**13C2-4:2 FTS**

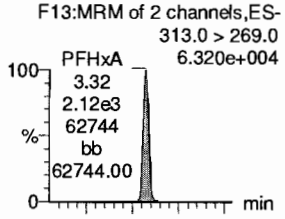


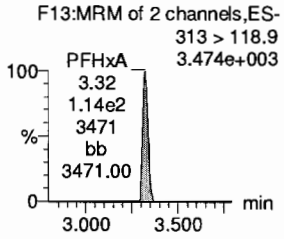
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

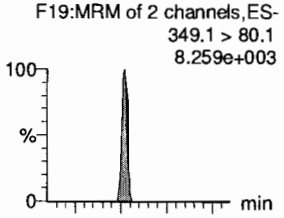
**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

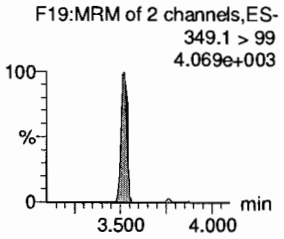
**PFHxA**



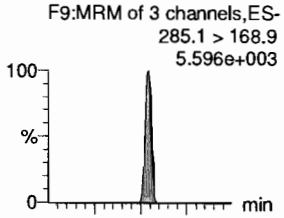



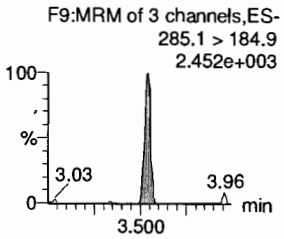

**PFPeS**



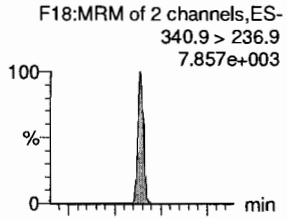



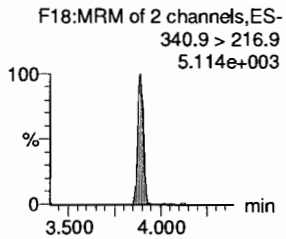

**HFPO-DA**



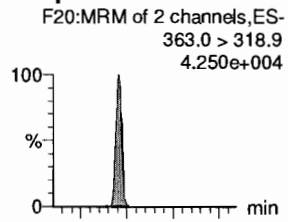



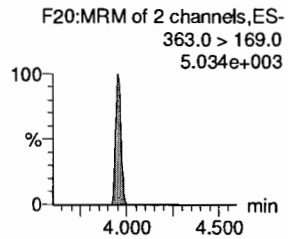

**5:3 FTCA**



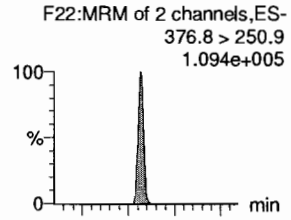



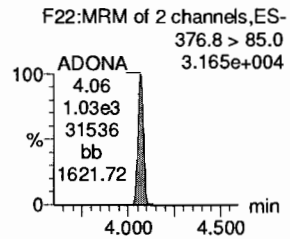

**PFHpA**




**ADONA**

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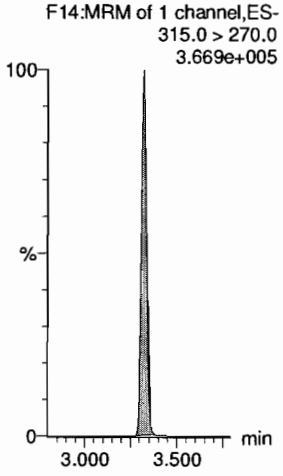


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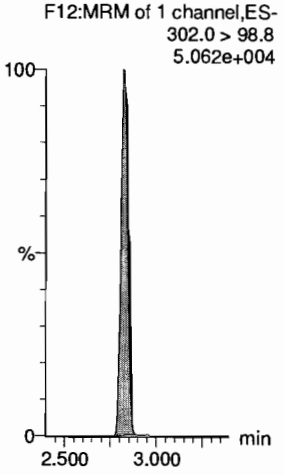
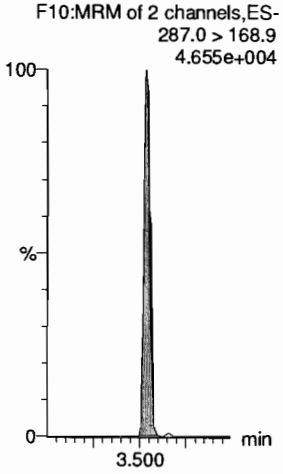
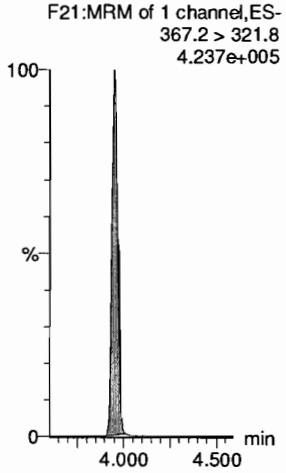



**13C3-HFPO-DA**




**13C4-PFHpA**

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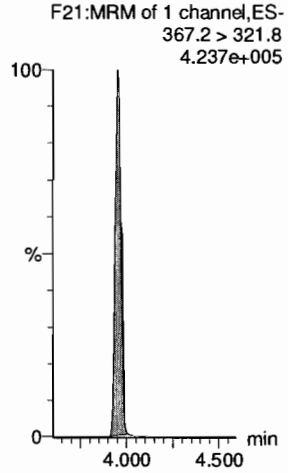


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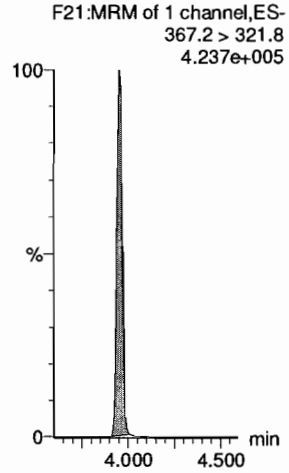
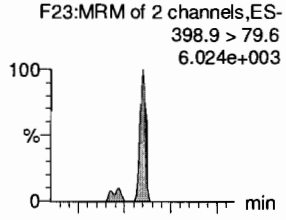


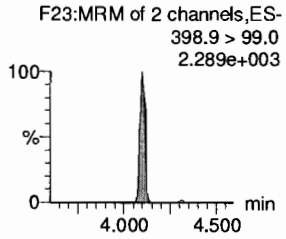
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

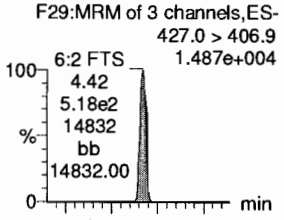
**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

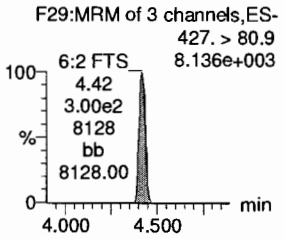
**L-PFHxS**



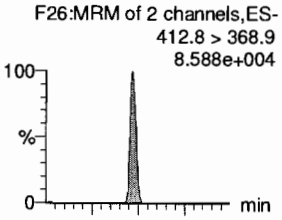



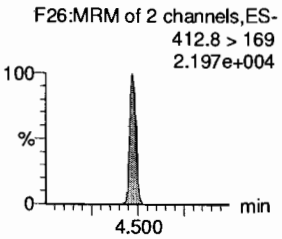

**6:2 FTS**



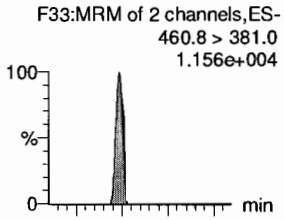



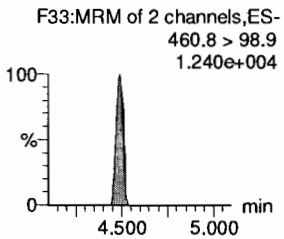

**L-PFOA**



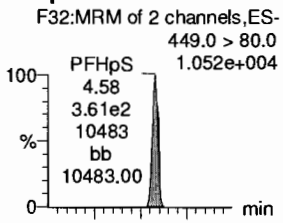



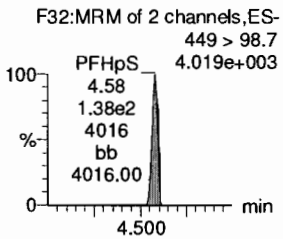

**PFEChS**



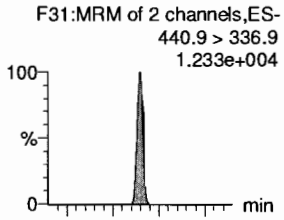



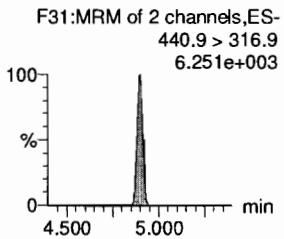

**PFHpS**



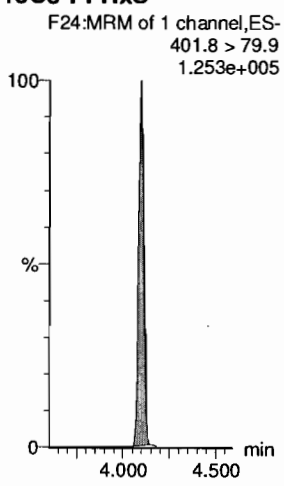




**7:3 FTCA**

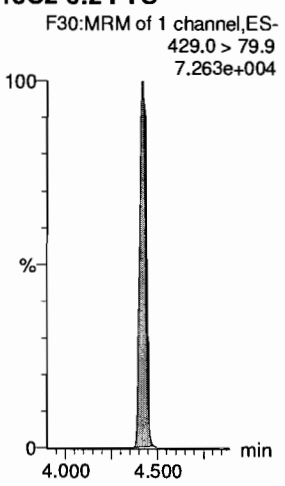


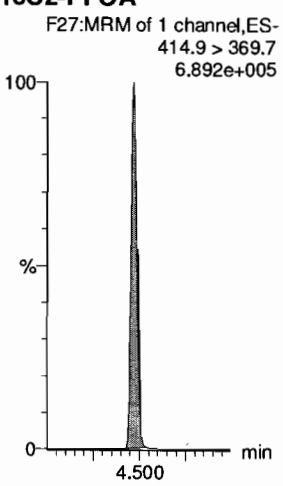

**13C3-PFHxS**



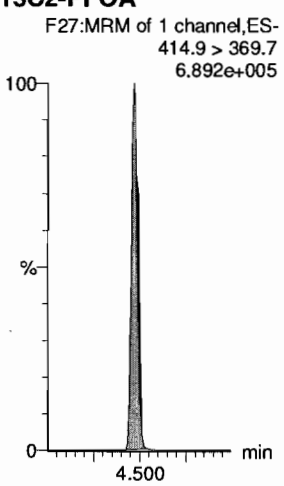

**13C2-6:2 FTS**



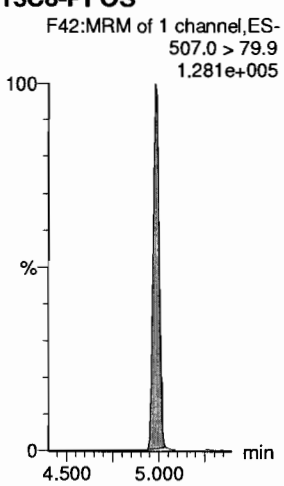

**13C2-PFOA**



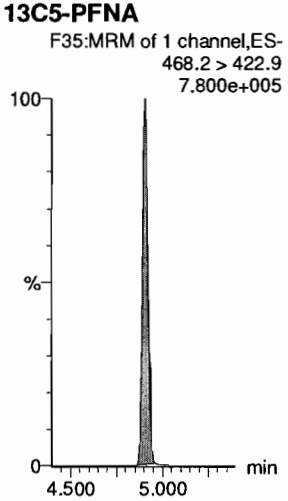

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

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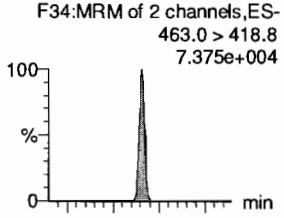
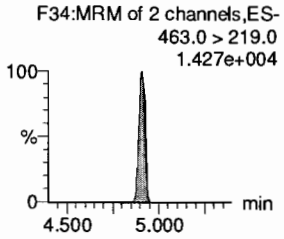
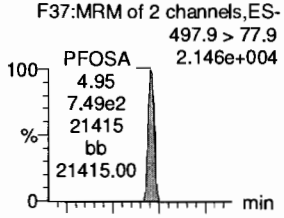
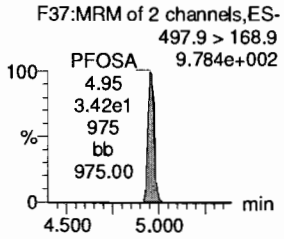


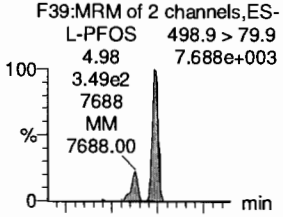



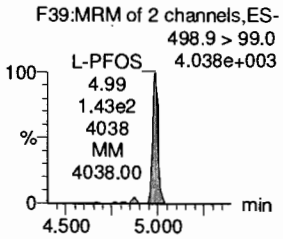

**PFOSA**



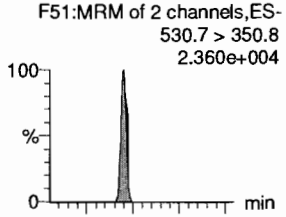



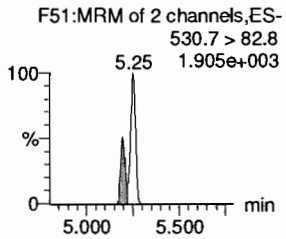

**L-PFOS**



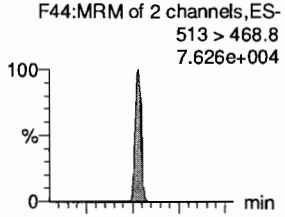



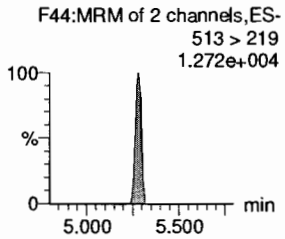

**9Cl-PF30NS**



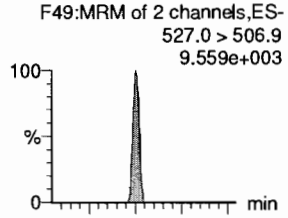



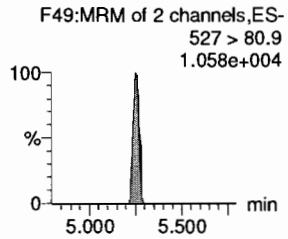

**PFDA**



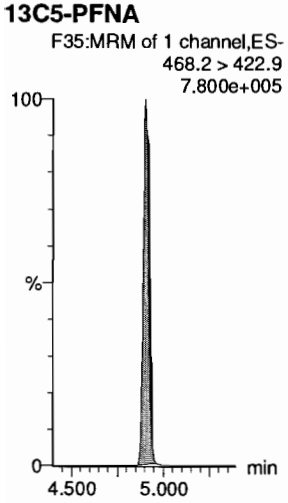




**8:2 FTS**

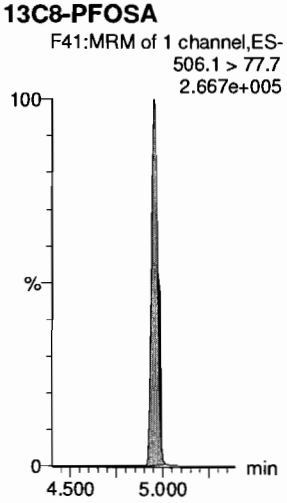


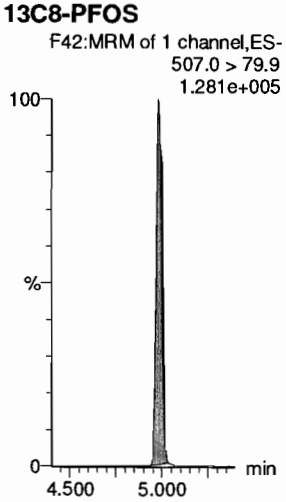

**13C5-PFNA**



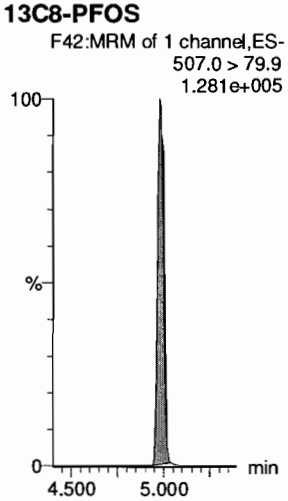

**13C8-PFOSA**



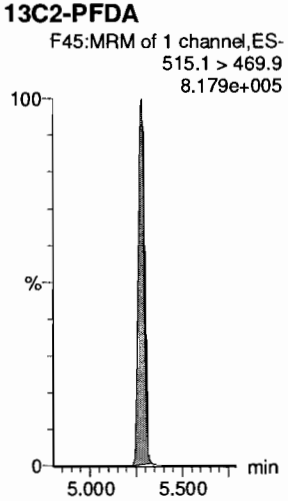

**13C8-PFOS**



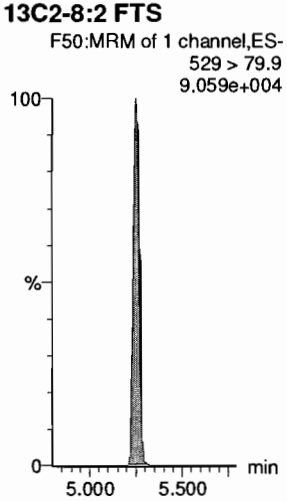

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

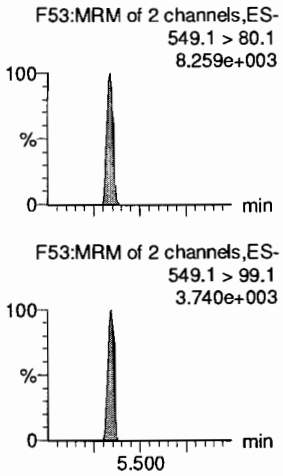


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

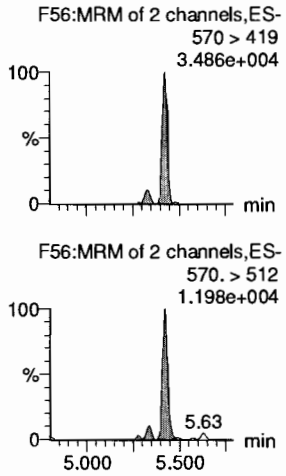
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

**PFNS**




**L-MeFOSAA**

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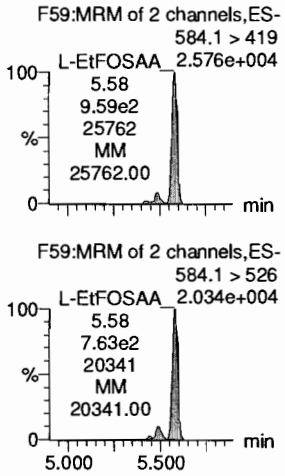
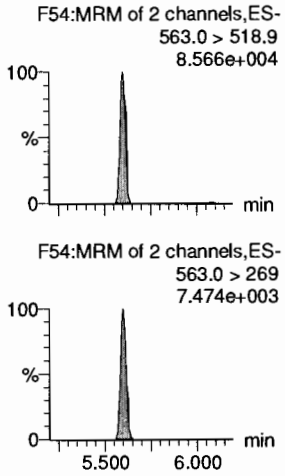
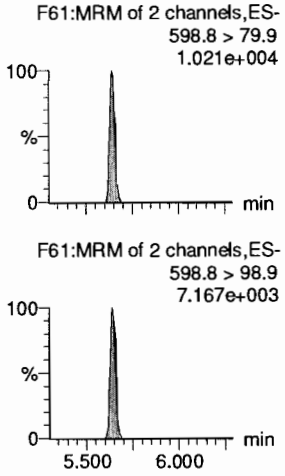


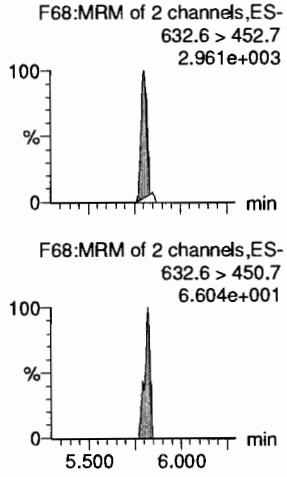

**PFUdA**



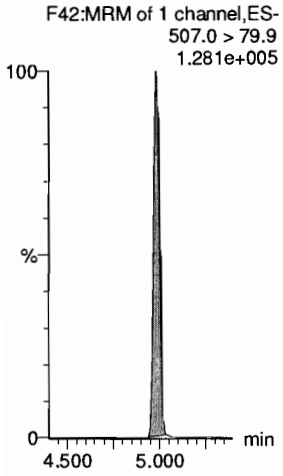

**PFDS**



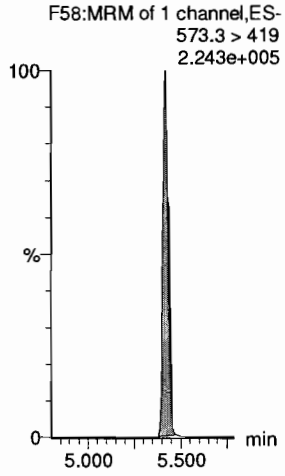

**11Cl-PF30UdS**



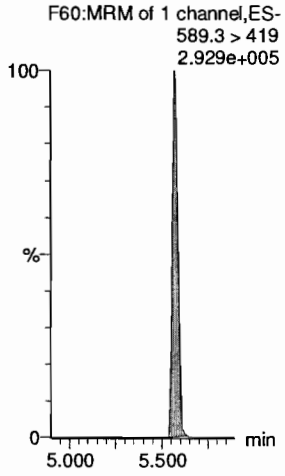

**13C8-PFOS**



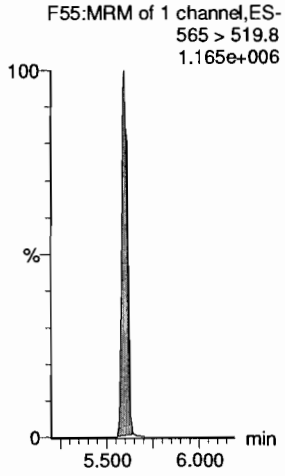

**d3-N-MeFOSAA**



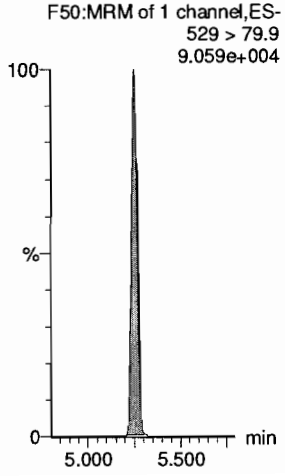

**d5-N-EtFOSAA**



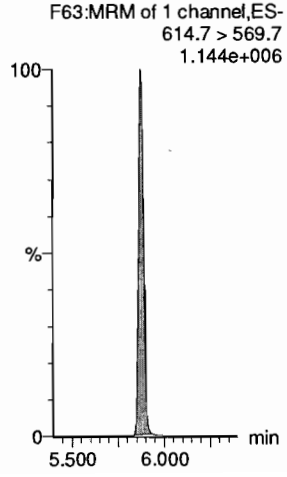

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

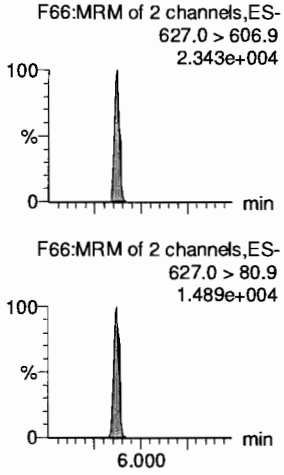


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

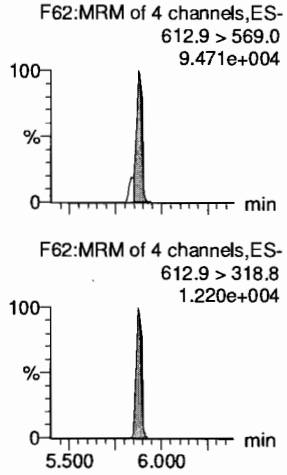
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

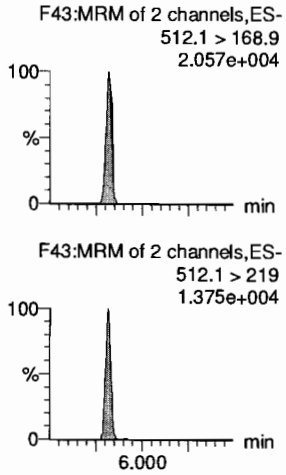
**10:2 FTS**




**PFDoA**




**N-MeFOSA**

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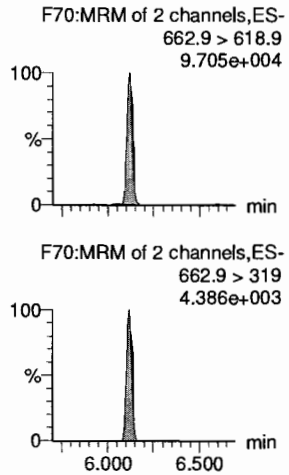
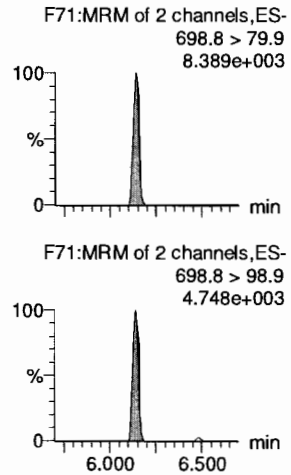
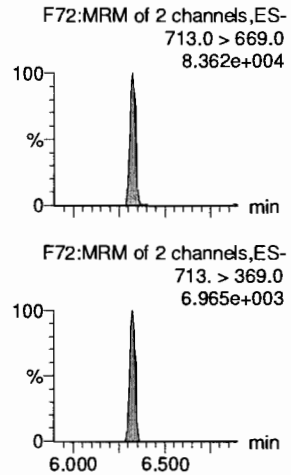


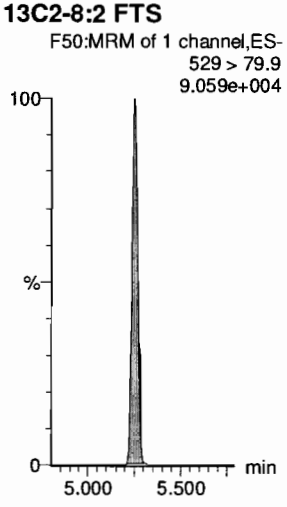

**PFDoS**



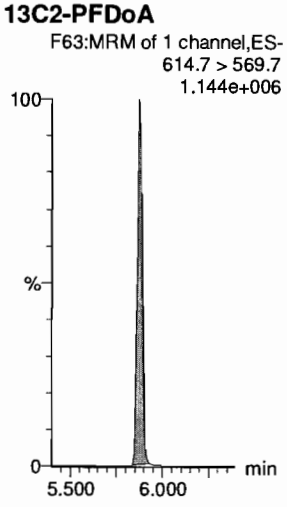

**PFTeDA**



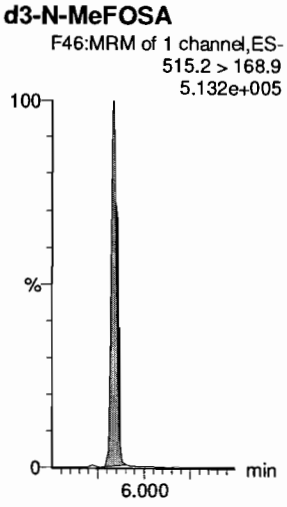

**13C2-8:2 FTS**



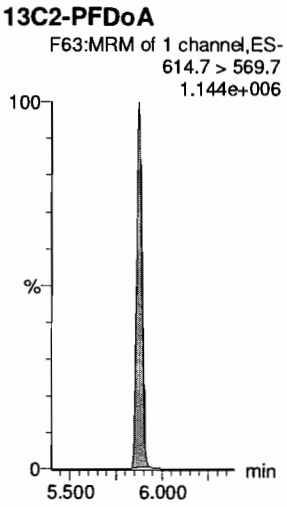

**13C2-PFDoA**



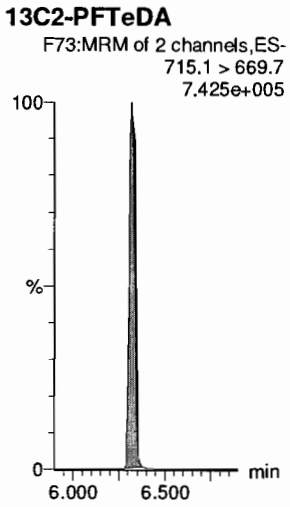

**d3-N-MeFOSA**



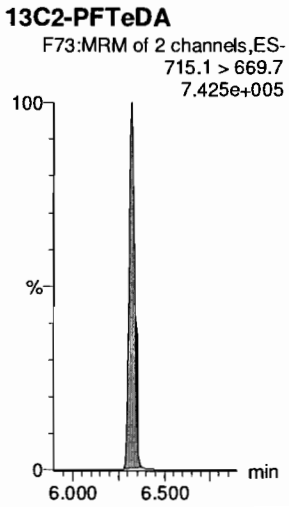

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

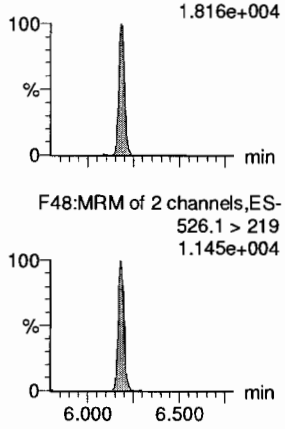


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

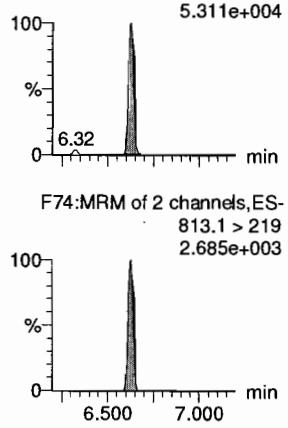
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

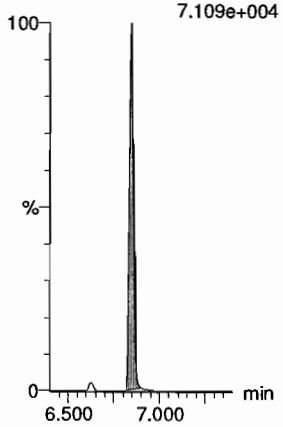
**N-EtFOSA**



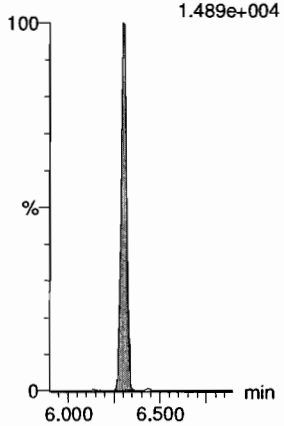

**PFHxDA**



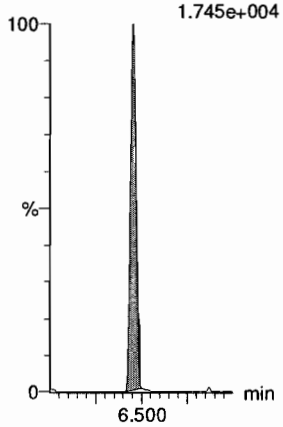

**PFODA**



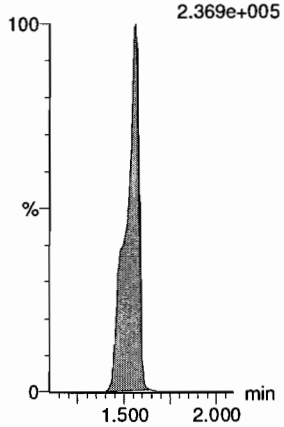

**N-MeFOSE**



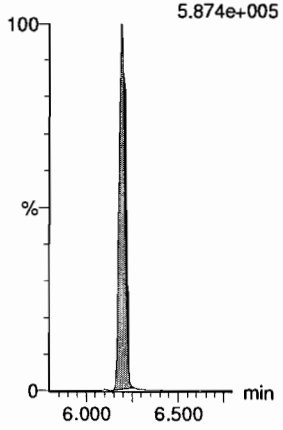

**N-EtFOSE**



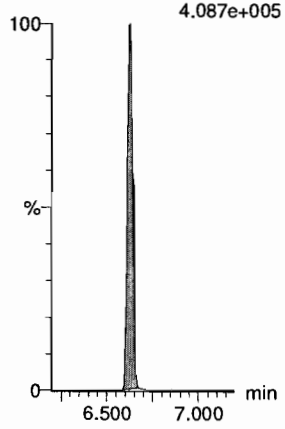

**13C4-PFBA**



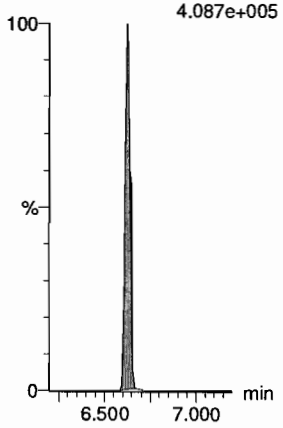

**d5-N-ETFOSA**



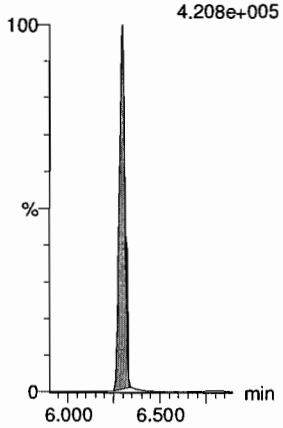

**13C2-PFHxDA**



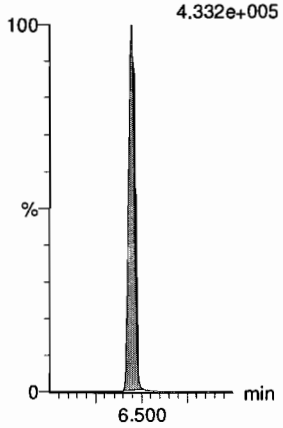

**13C2-PFHxDA**



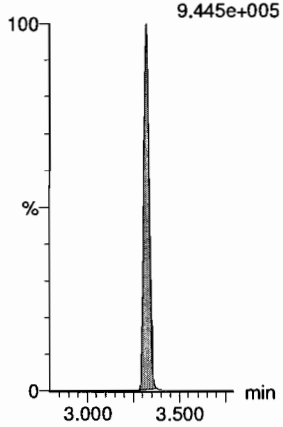

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

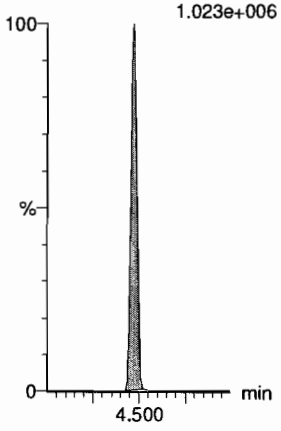


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

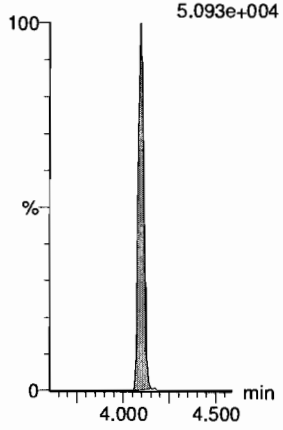
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_6, Date: 29-Jul-2019, Time: 14:43:55, ID: ST190729M1-3 PFC CS0 19G2003, Description: PFC CS0 19G2003**

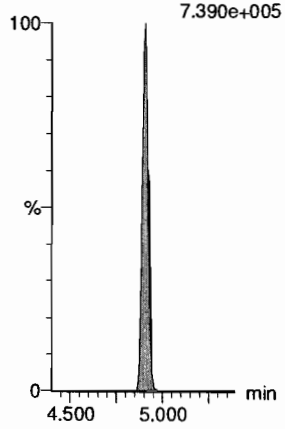
**13C8-PFOA**



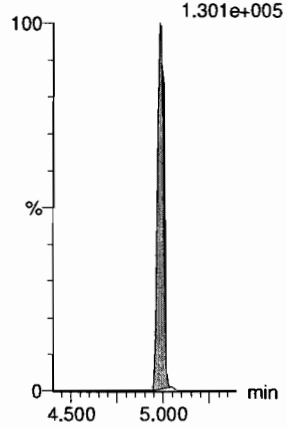

**18O2-PFHxS**



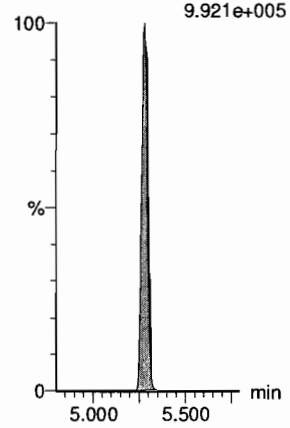

**13C9-PFNA**



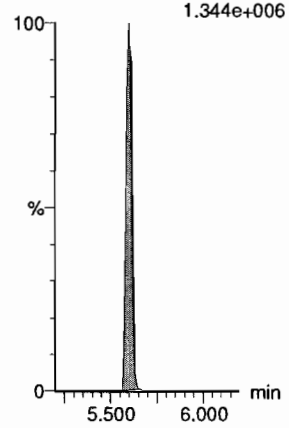

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

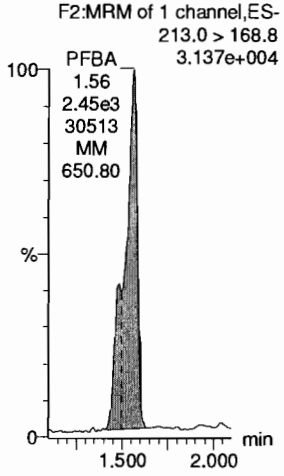


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

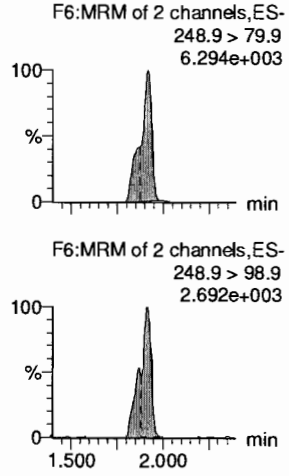
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

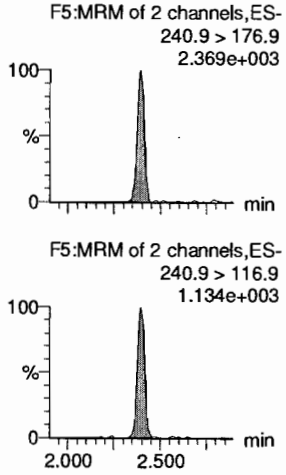
**PFBA**



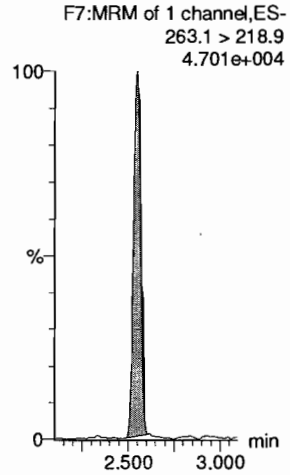

**PFPrS**



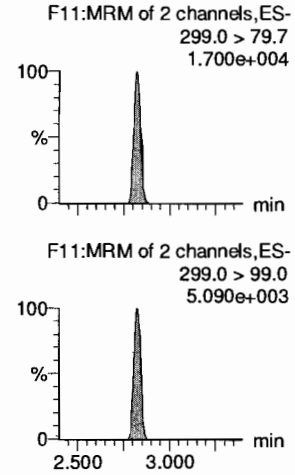

**3:3 FTCA**



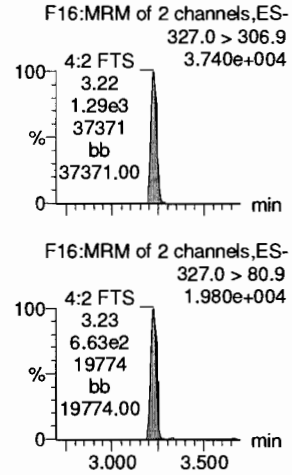

**PFPeA**



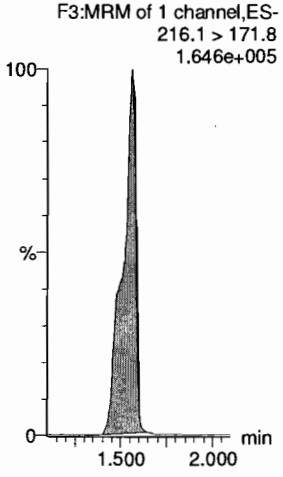

**PFBS**



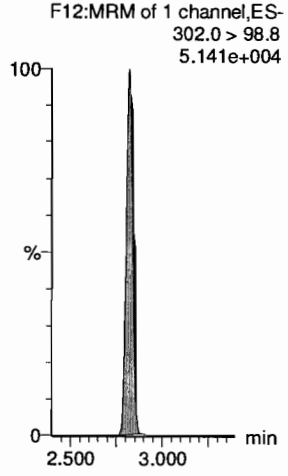

**4:2 FTS**



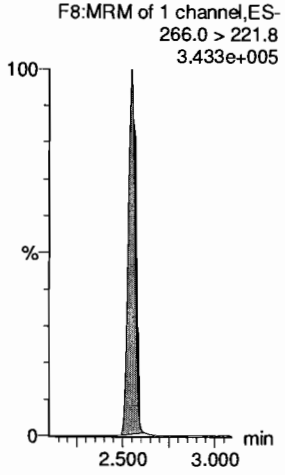

**13C3-PFBA**



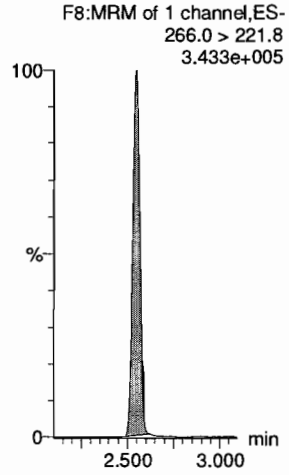

**13C3-PFBS**



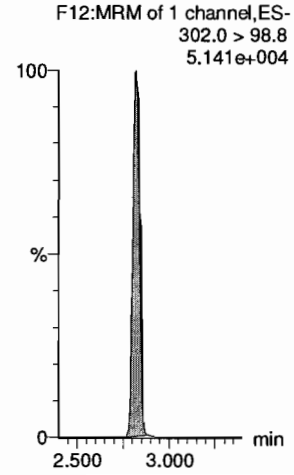

**13C3-PFPeA**



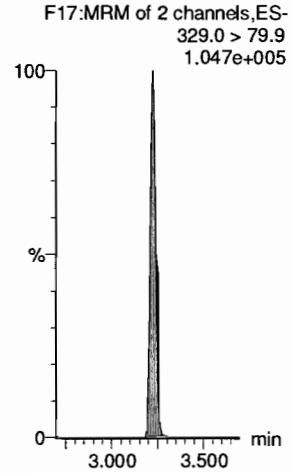

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

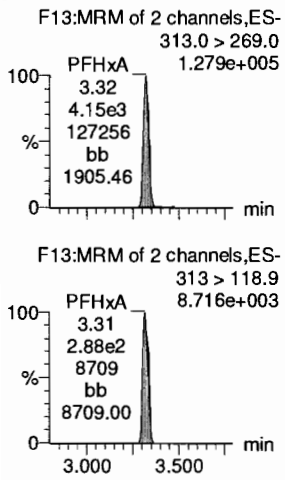


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

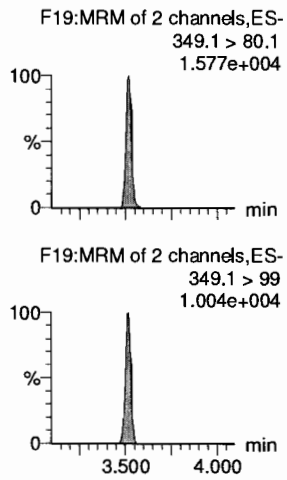
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

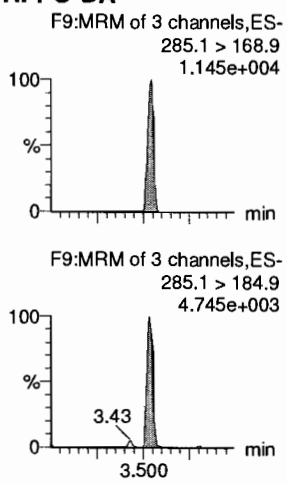
**PFHxA**



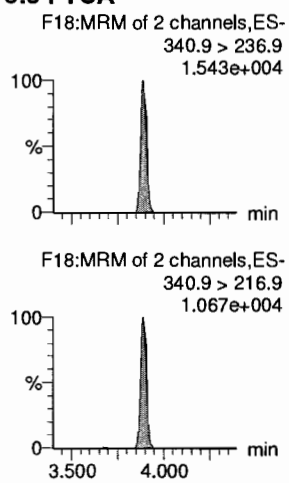

**PFPeS**



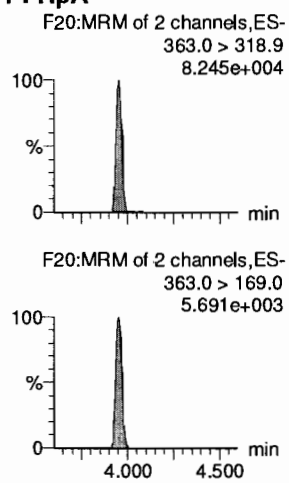

**HFPO-DA**



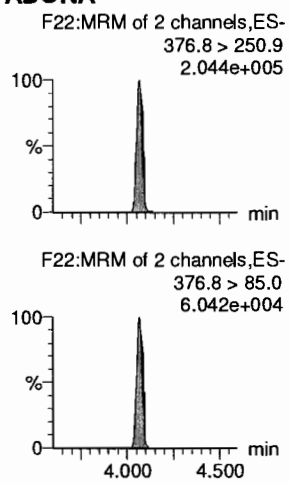

**5:3 FTCA**



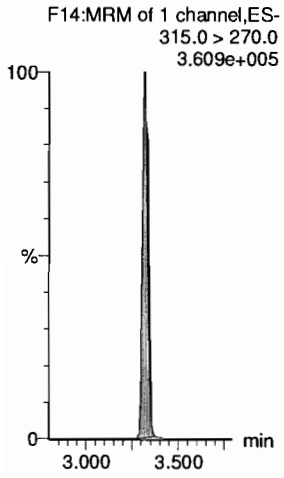

**PFHpA**



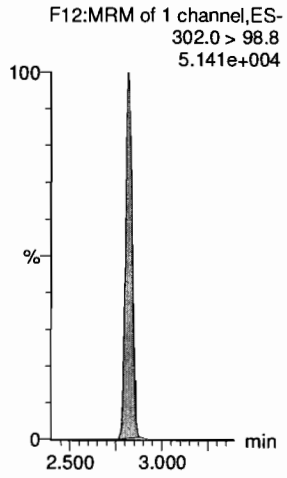

**ADONA**



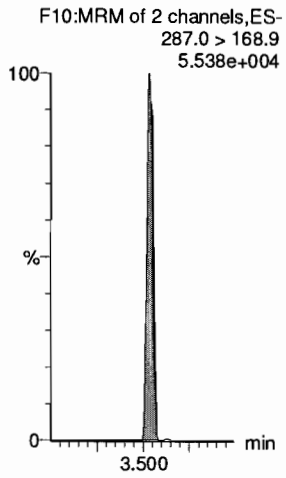

**13C2-PFHxA**



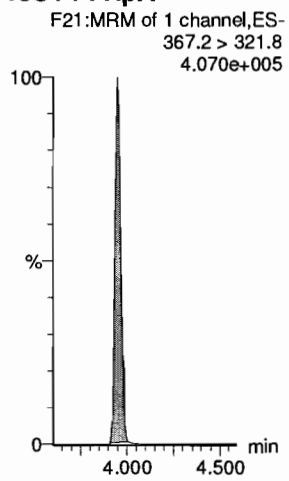

**13C3-PFBS**



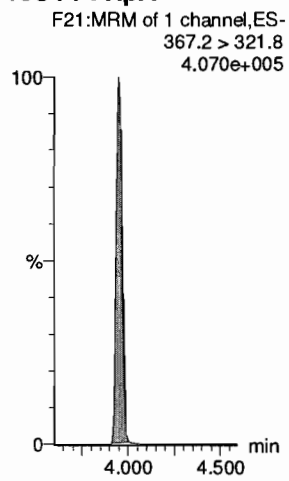

**13C3-HFPO-DA**



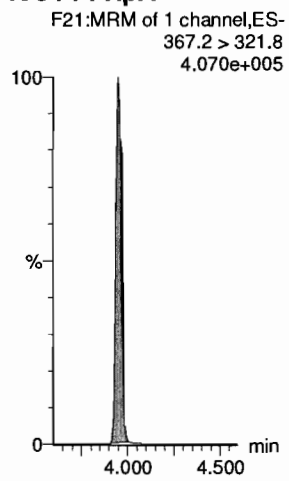

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

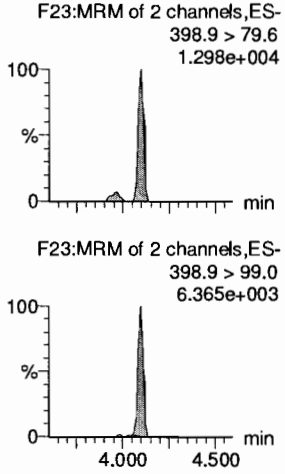


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

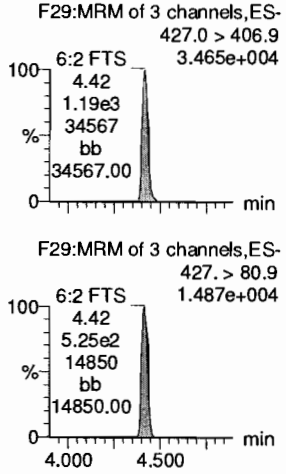
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

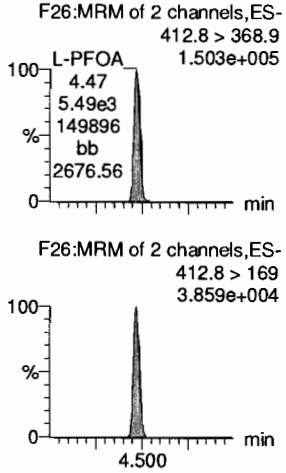
**L-PFHxS**



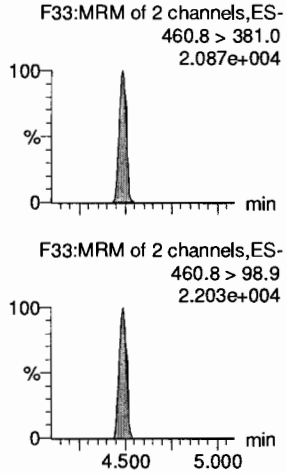

**6:2 FTS**



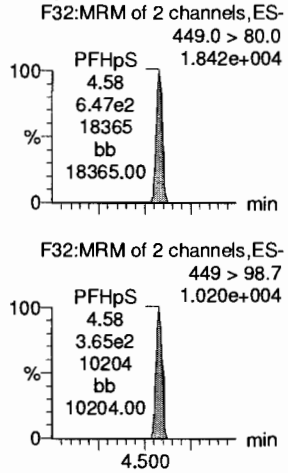

**L-PFOA**



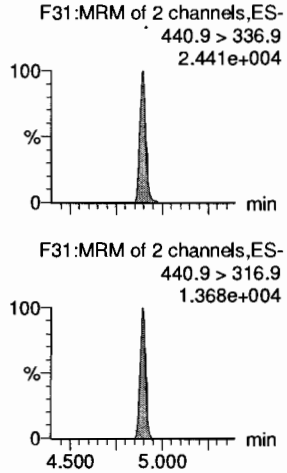

**PFEChS**



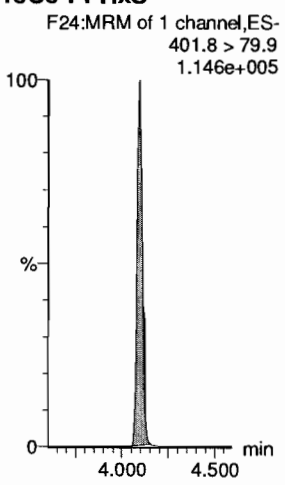

**PFHpS**



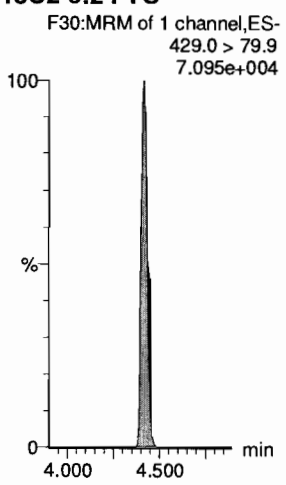

**7:3 FTCA**




**13C3-PFHxS**




**13C2-6:2 FTS**

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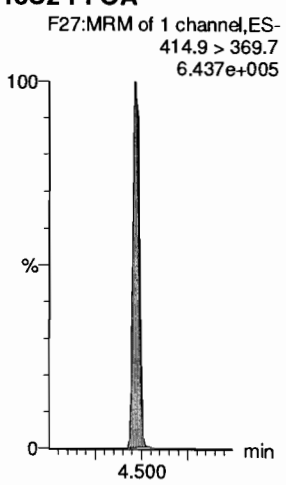


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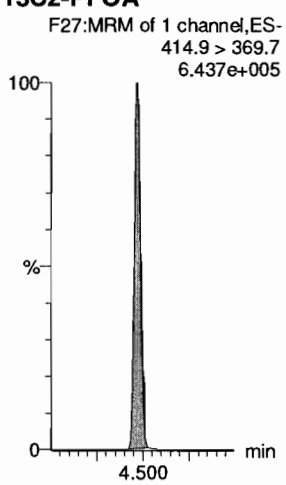
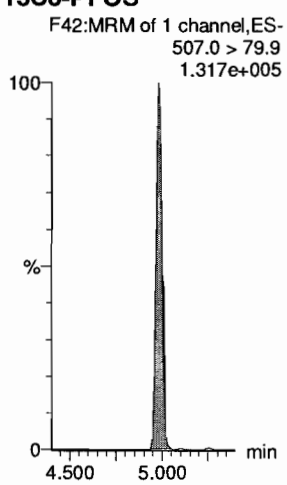
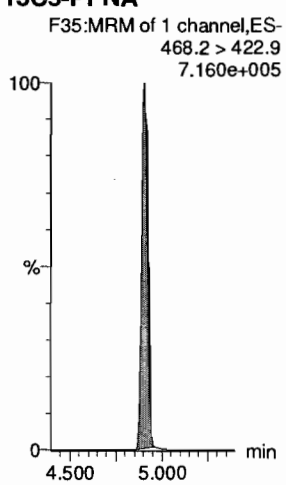



**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

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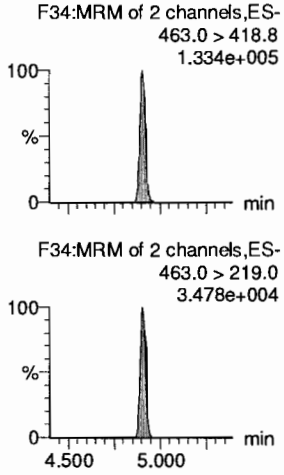


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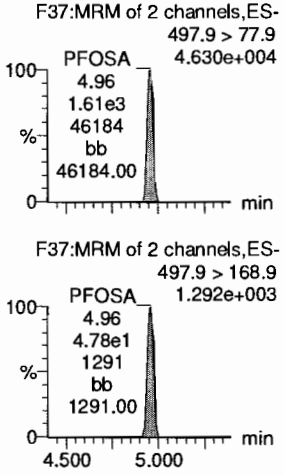
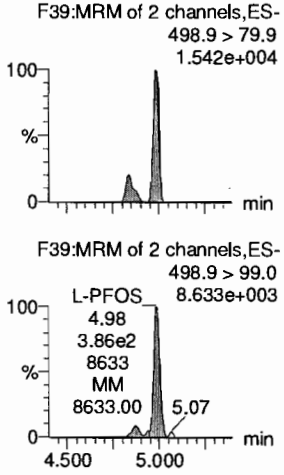
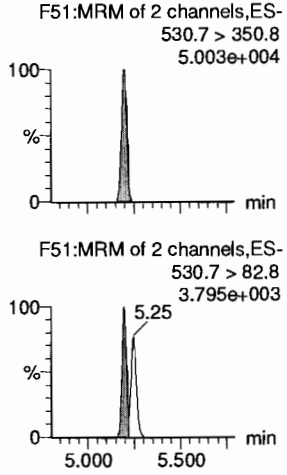


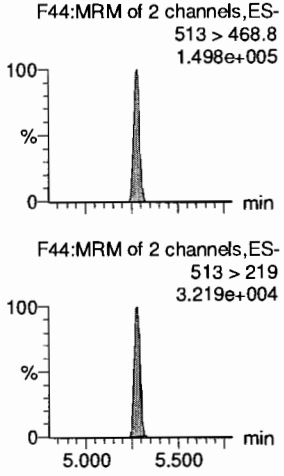

**L-PFOS**



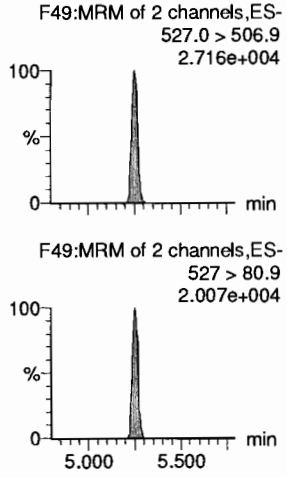

**9Cl-PF30NS**



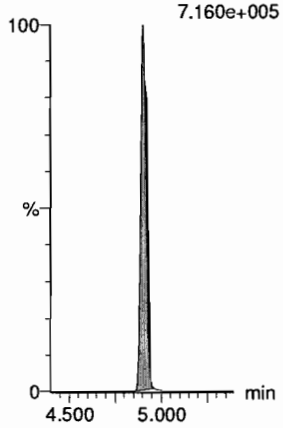

**PFDA**



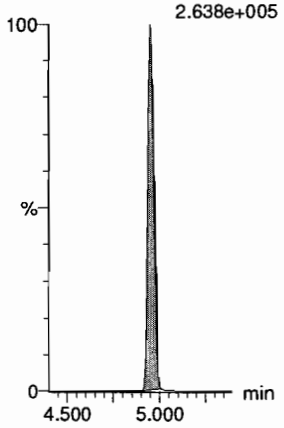

**8:2 FTS**




**13C5-PFNA**




**13C8-PFOSA**

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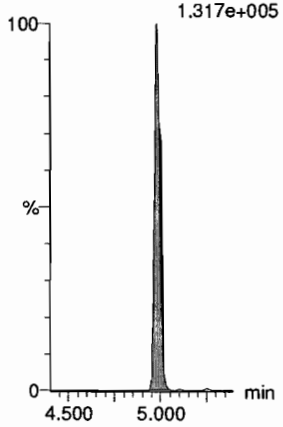


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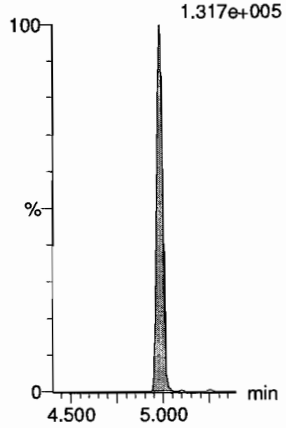
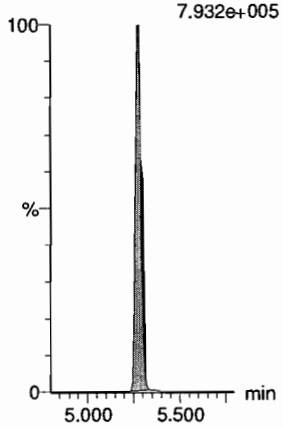
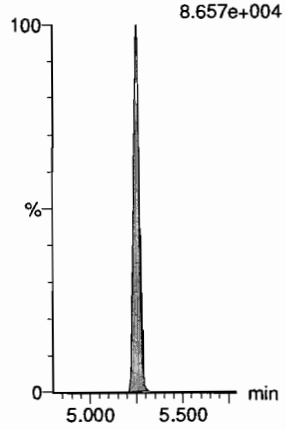



**13C2-PFDA**




**13C2-8:2 FTS**

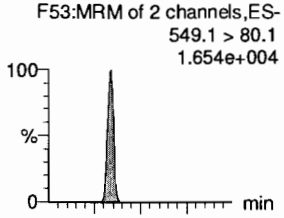


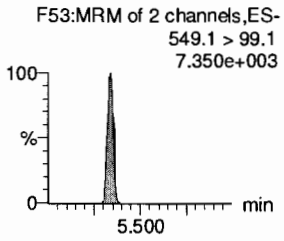
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

**PFNS**

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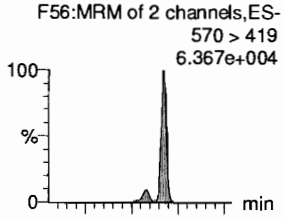


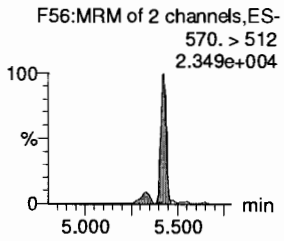


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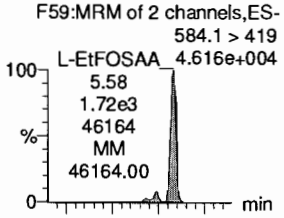
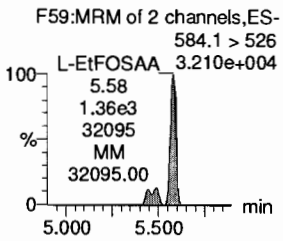
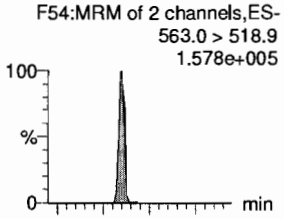
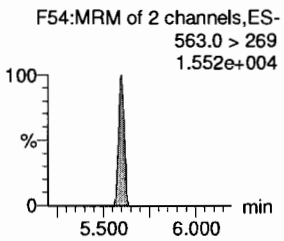



**PFUdA**

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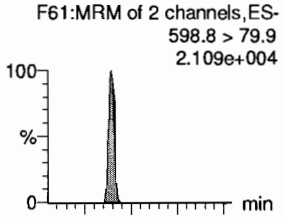


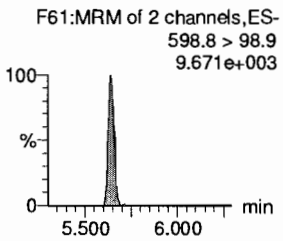


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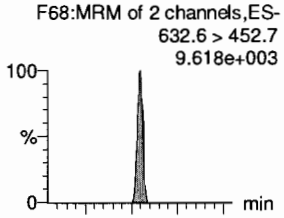
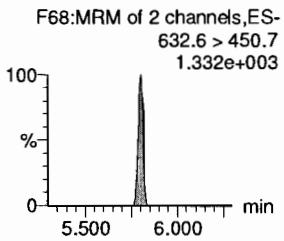
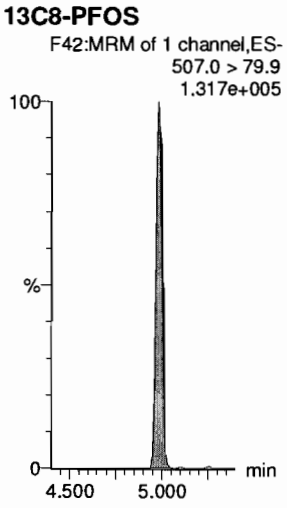
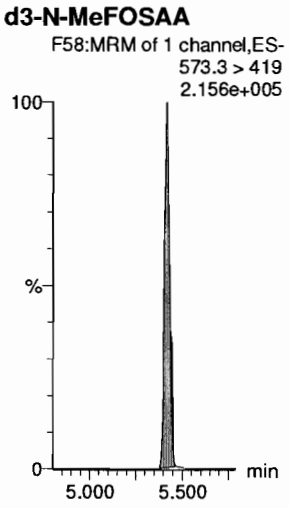


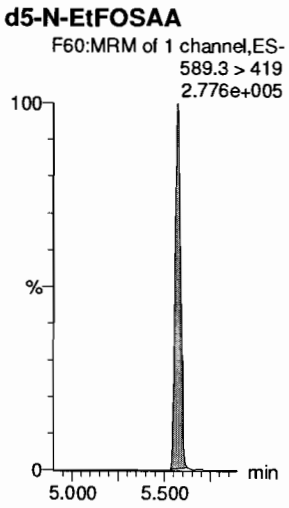

**13C8-PFOS**



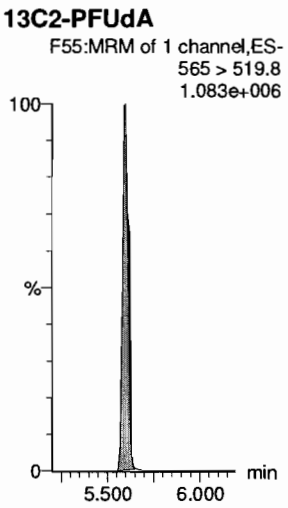

**d3-N-MeFOSAA**



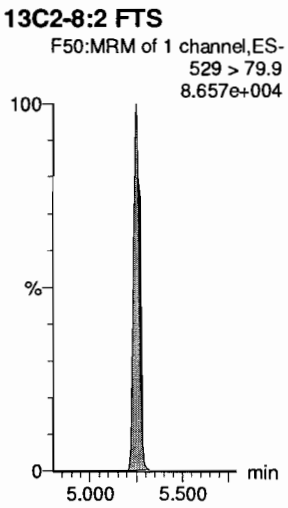

**d5-N-EtFOSAA**




**13C2-PFUdA**




**13C2-8:2 FTS**

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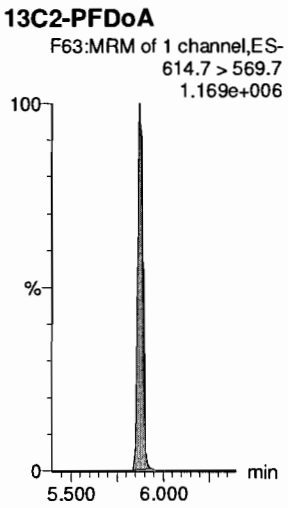
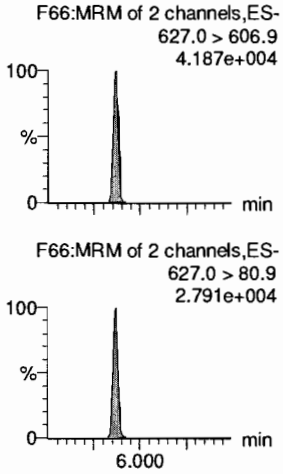


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

**10:2 FTS**

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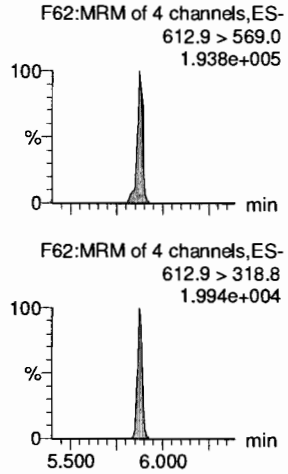
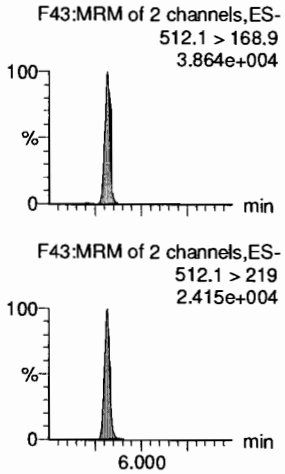



**N-MeFOSA**

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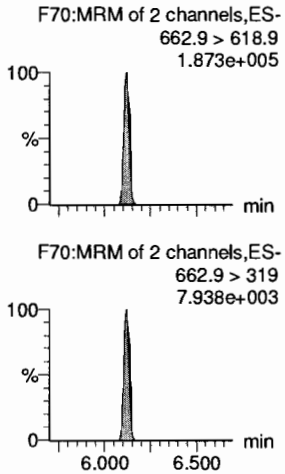


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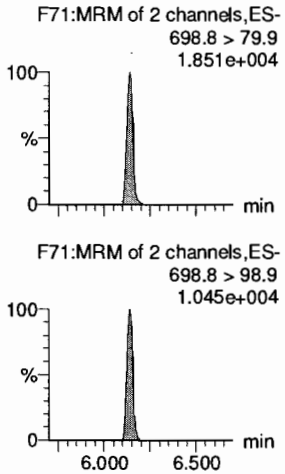


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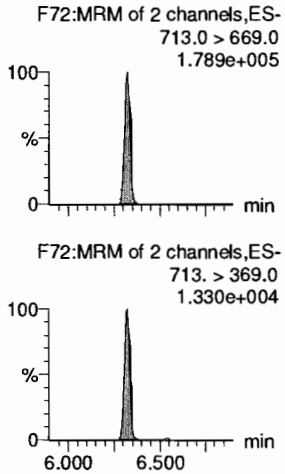
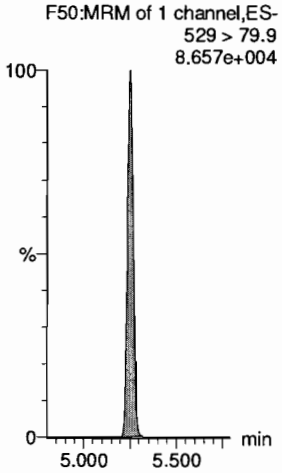
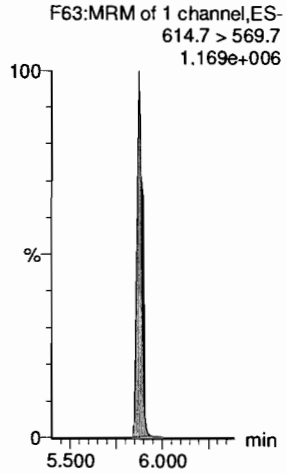


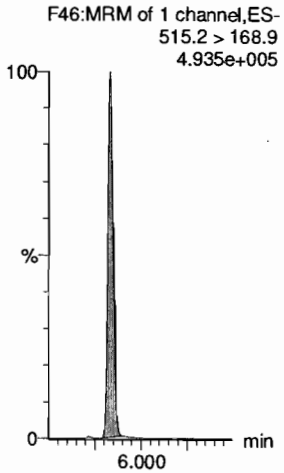

**13C2-8:2 FTS**




**13C2-PFDoA**




**d3-N-MeFOSA**

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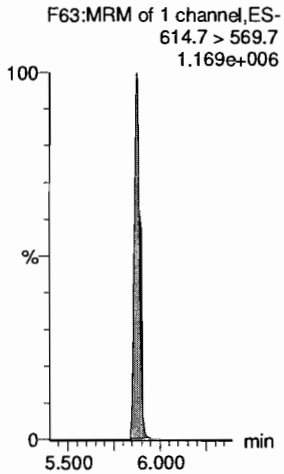
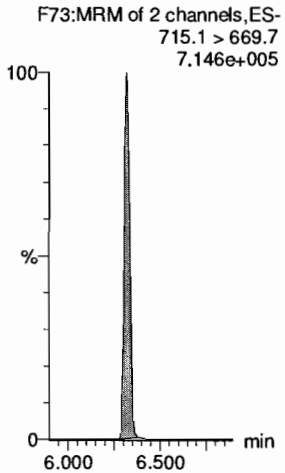



**13C2-PFTeDA**

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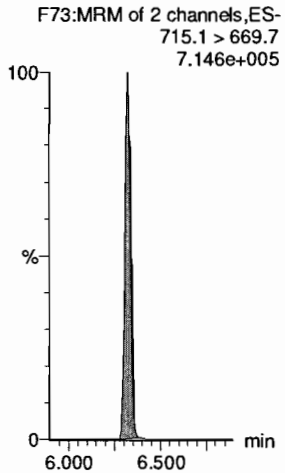
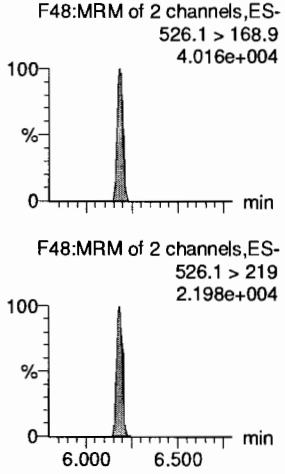


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

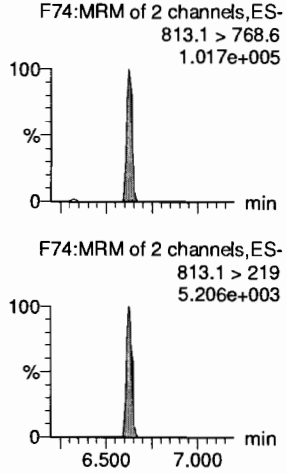
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

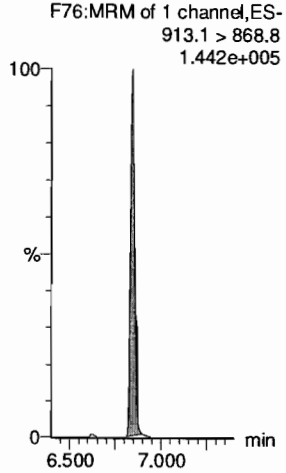
**N-EtFOSA**



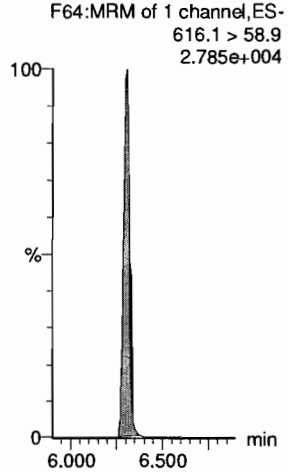

**PFHxDA**




**PFODA**




**N-MeFOSE**

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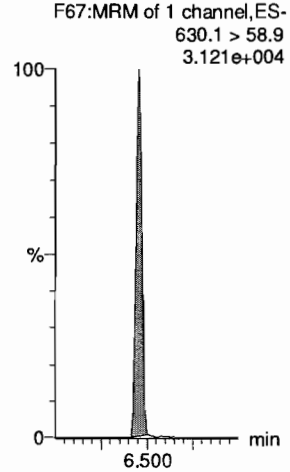
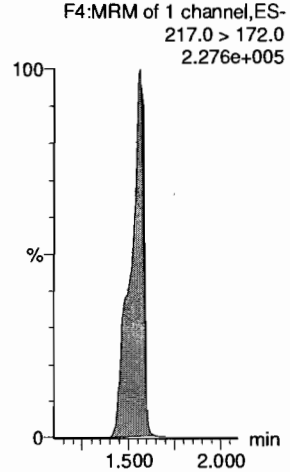
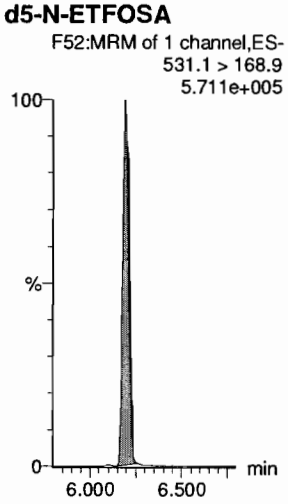


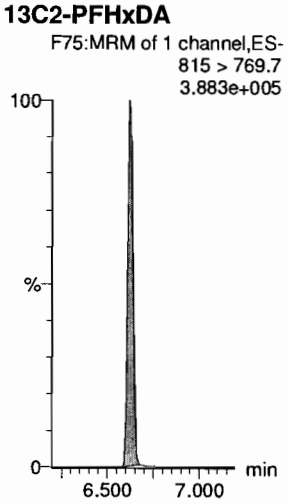

**13C4-PFBA**



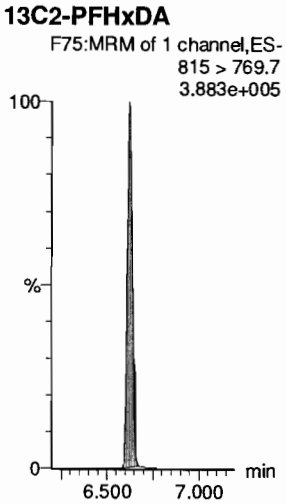

**d5-N-ETFOSA**



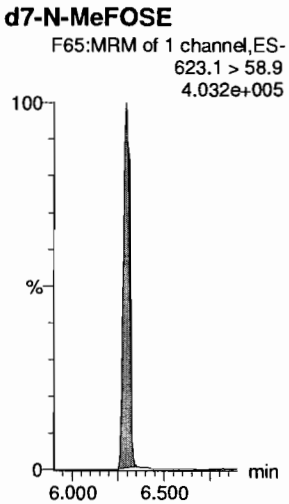

**13C2-PFHxDA**



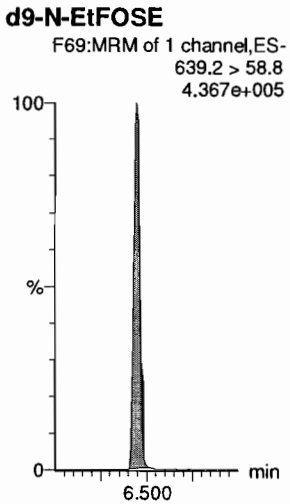

**13C2-PFHxDA**



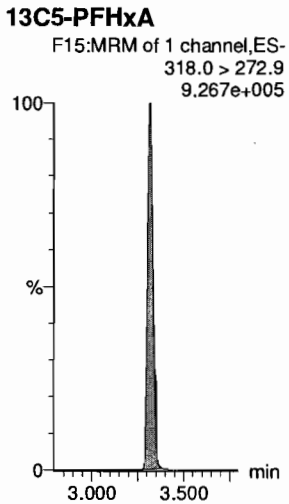

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

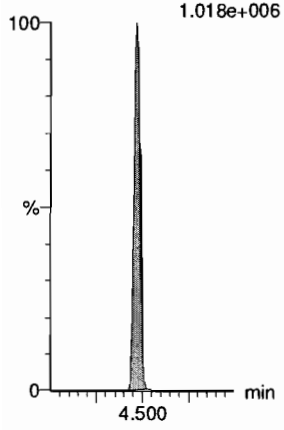


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

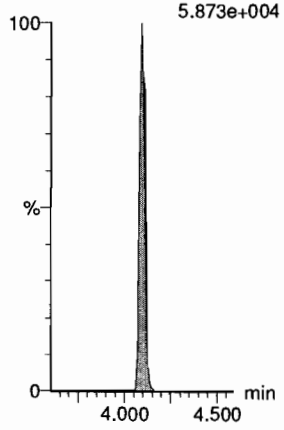
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_7, Date: 29-Jul-2019, Time: 14:54:34, ID: ST190729M1-4 PFC CS1 19G2004, Description: PFC CS1 19G2004**

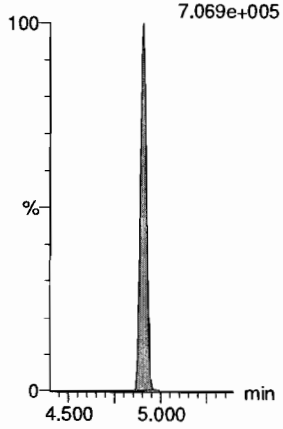
**13C8-PFOA**



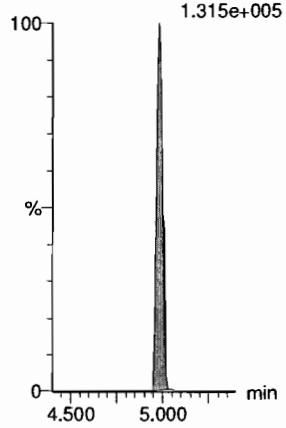

**18O2-PFHxS**



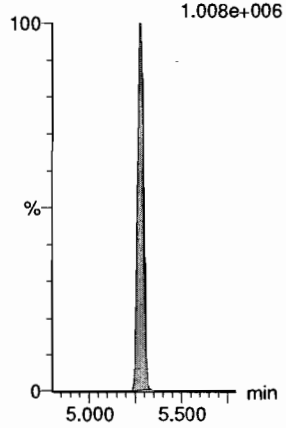

**13C9-PFNA**



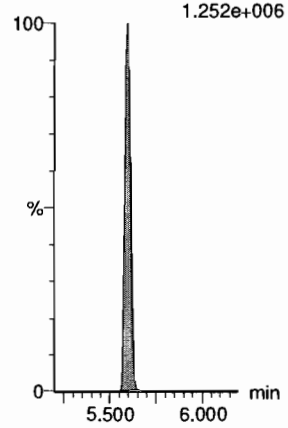

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



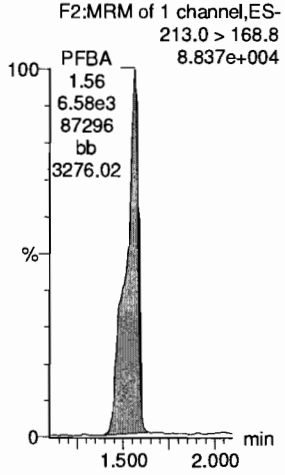
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

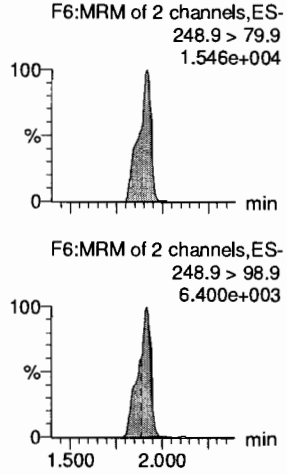
**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

3 dm 7/30/19 3 dm 7/30/19

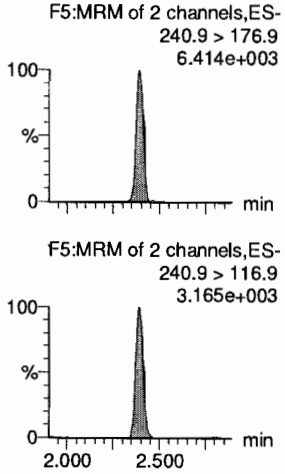
**PFBA**



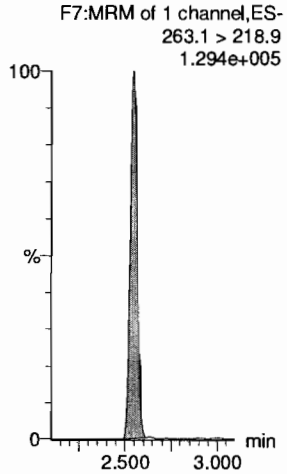

**PFPrS**




**3:3 FTCA**




**PFPeA**

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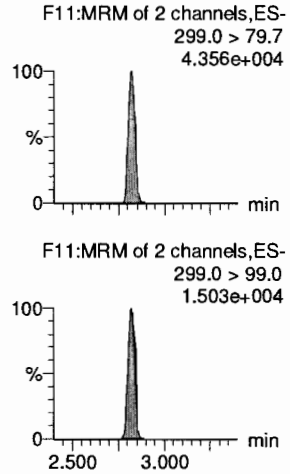
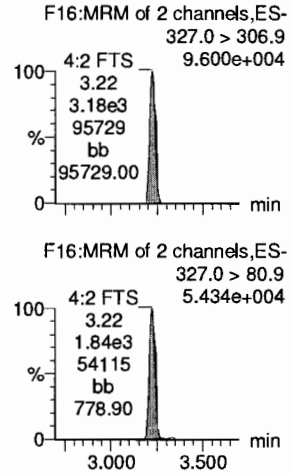
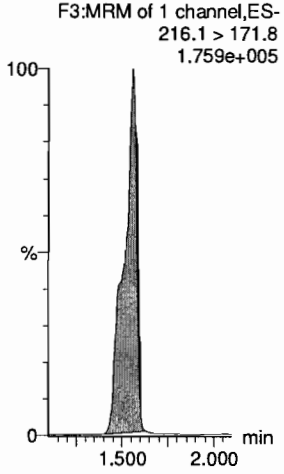


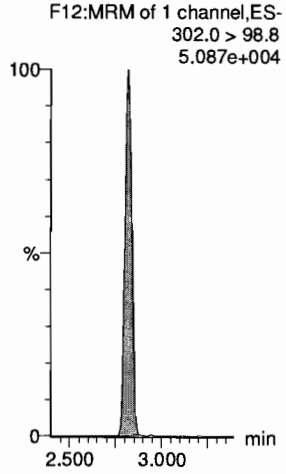

**4:2 FTS**



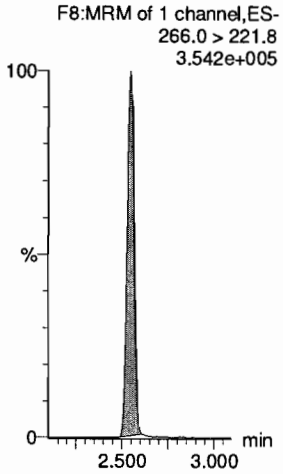

**13C3-PFBA**



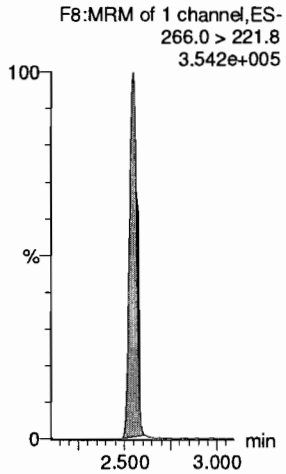

**13C3-PFBS**



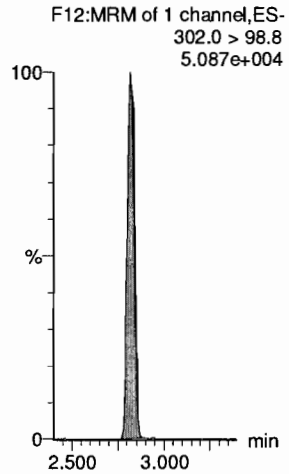

**13C3-PFPeA**



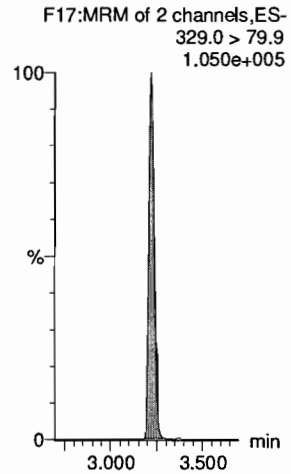

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

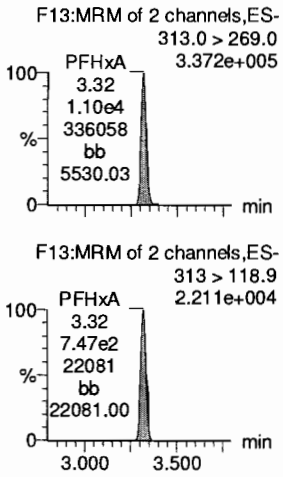


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

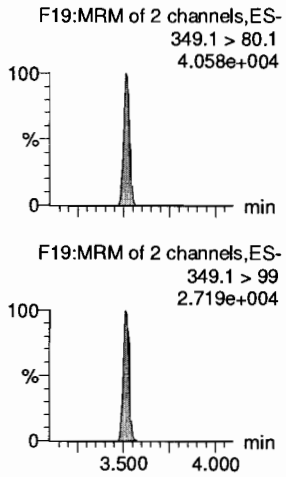
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

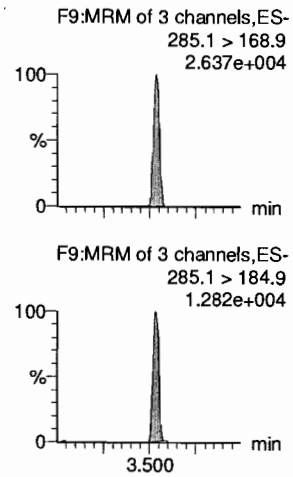
**PFHxA**



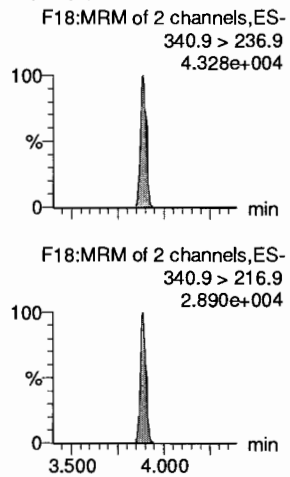

**PFPeS**



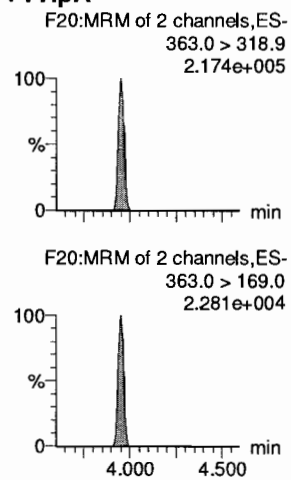

**HFPO-DA**



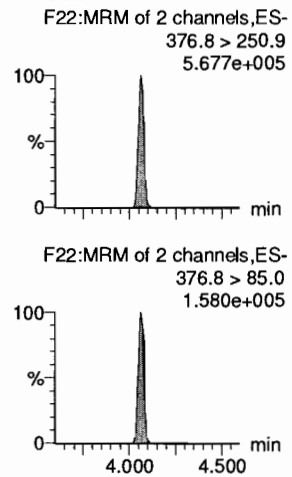

**5:3 FTCA**



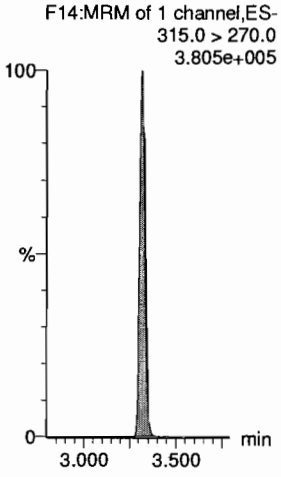

**PFHpA**



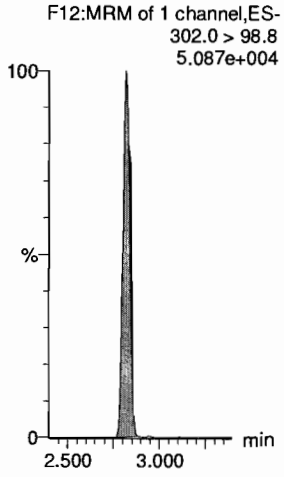

**ADONA**



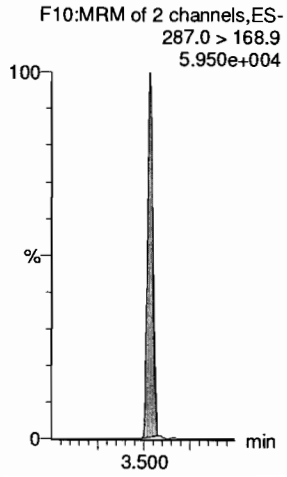

**13C2-PFHxA**



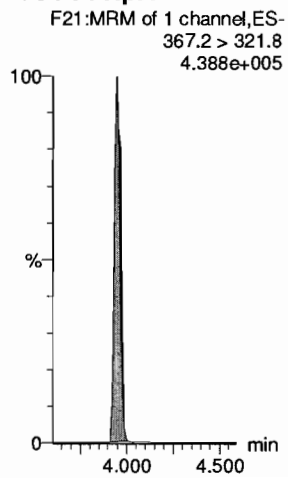

**13C3-PFBS**



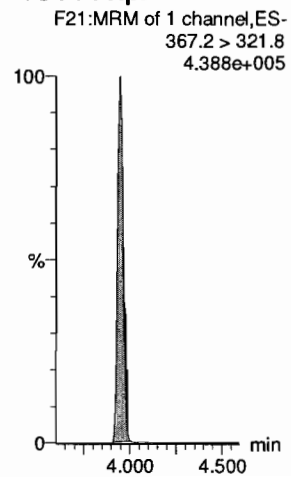

**13C3-HFPO-DA**




**13C4-PFHpA**




**13C4-PFHpA**

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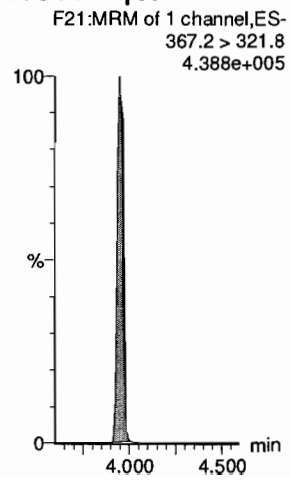
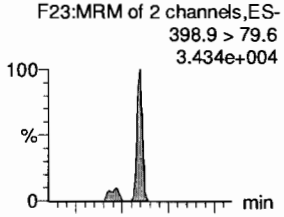


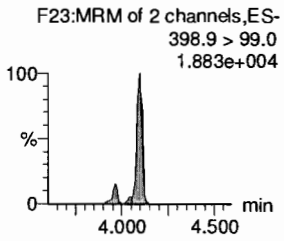
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

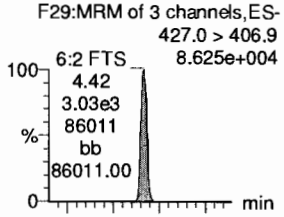
**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

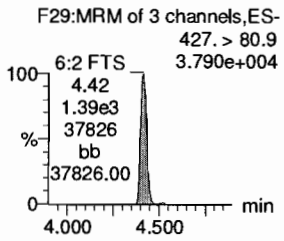
**L-PFHxS**



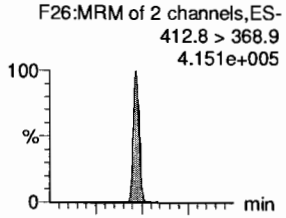



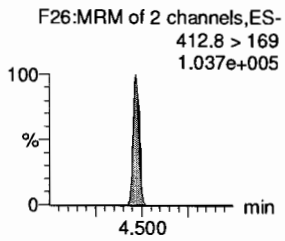

**6:2 FTS**



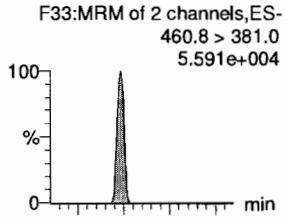



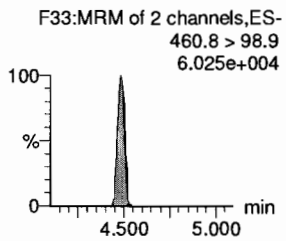

**L-PFOA**



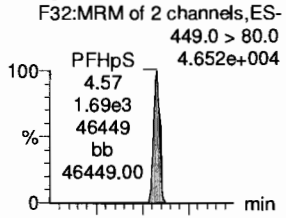



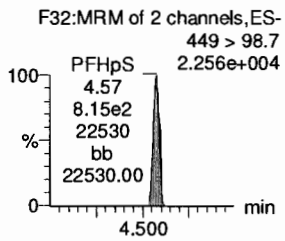

**PFEChS**



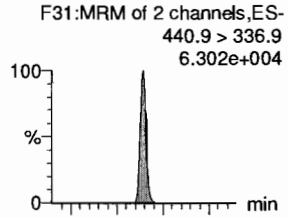



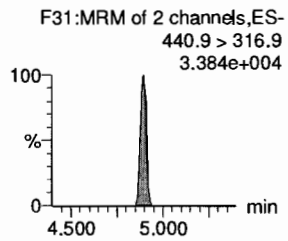

**PFHpS**



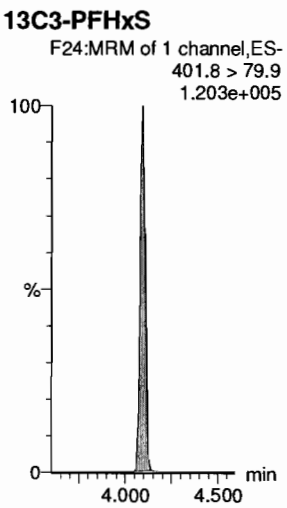




**7:3 FTCA**

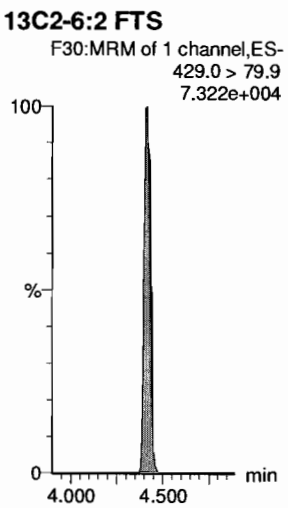


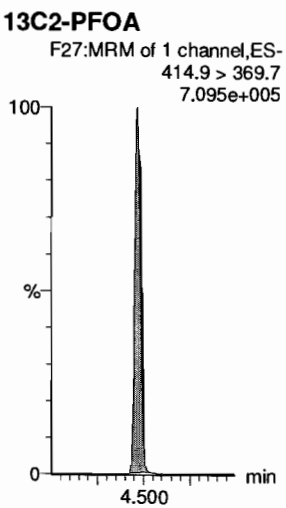

**13C3-PFHxS**



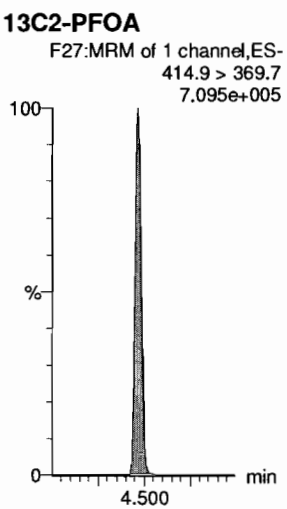

**13C2-6:2 FTS**



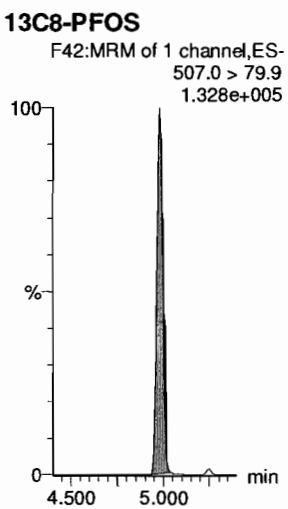

**13C2-PFOA**



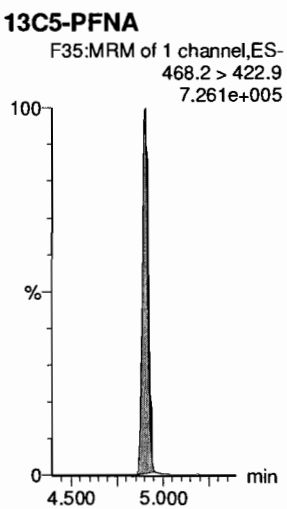

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

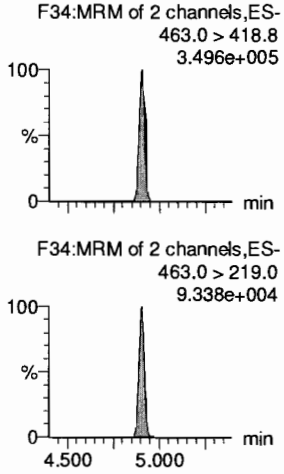


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

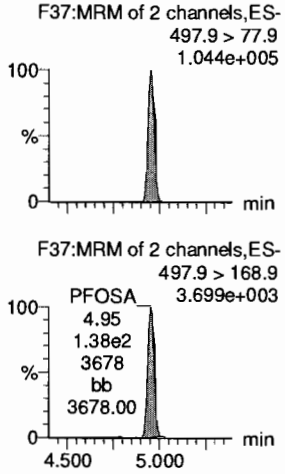
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

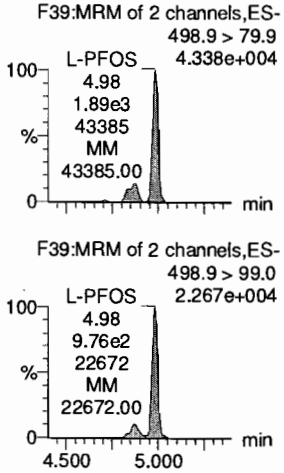
**PFNA**



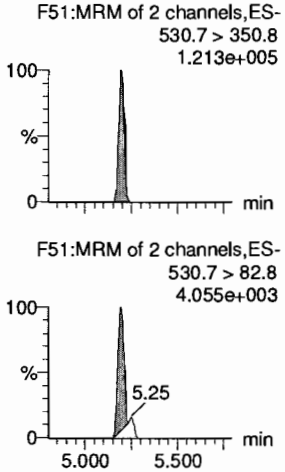

**PFOSA**



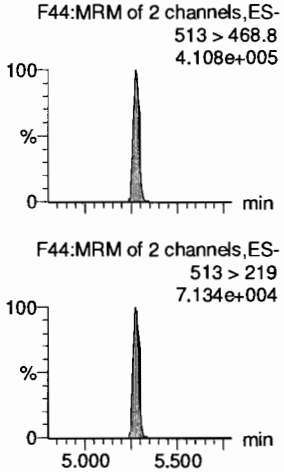

**L-PFOS**



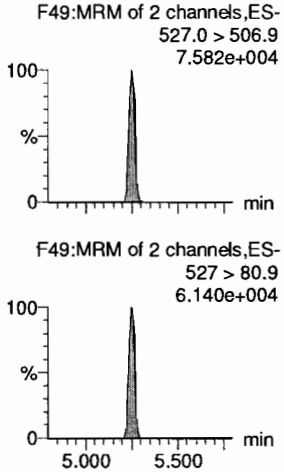

**9Cl-PF30NS**




**PFDA**




**8:2 FTS**

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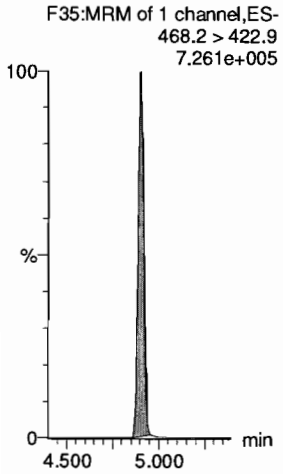
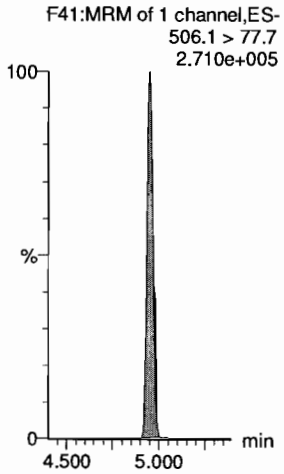



**13C8-PFOSA**

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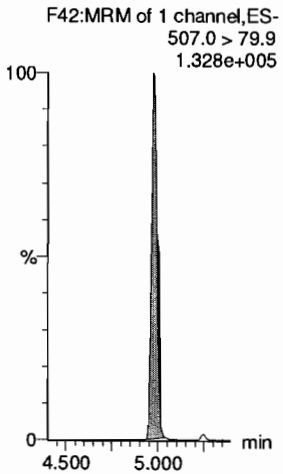
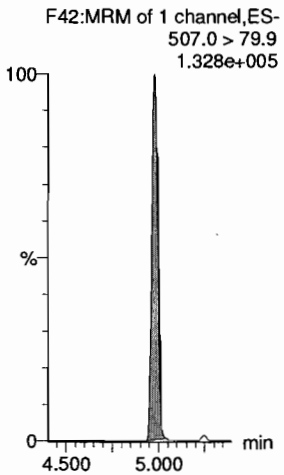
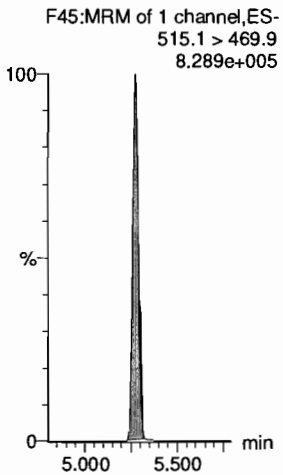


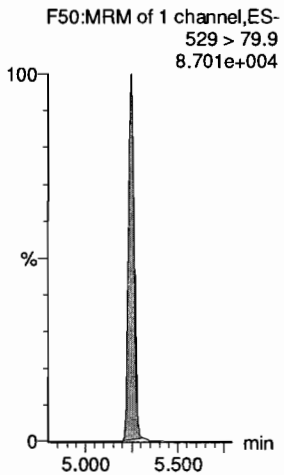

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

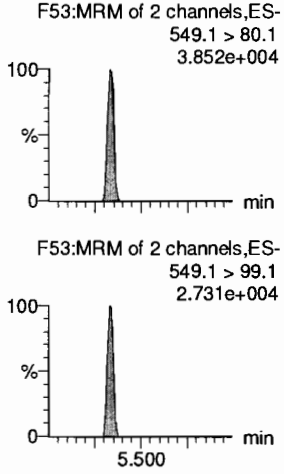


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

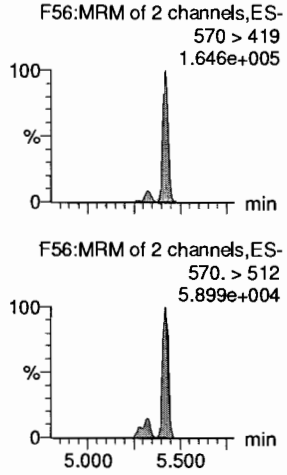
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

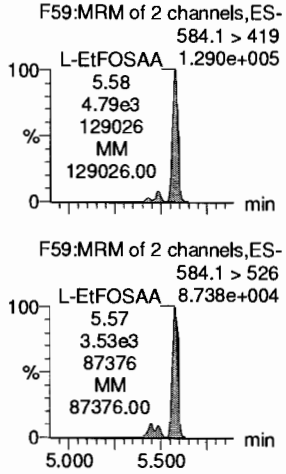
**PFNS**



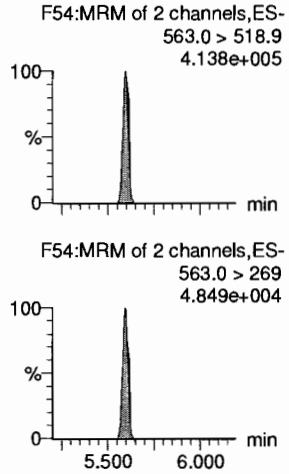

**L-MeFOSAA**



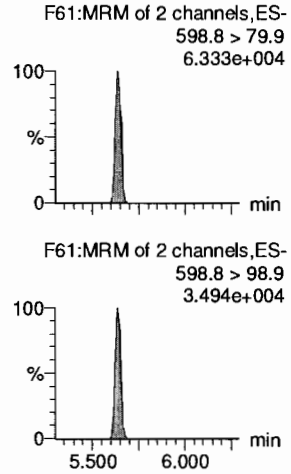

**L-EtFOSAA**



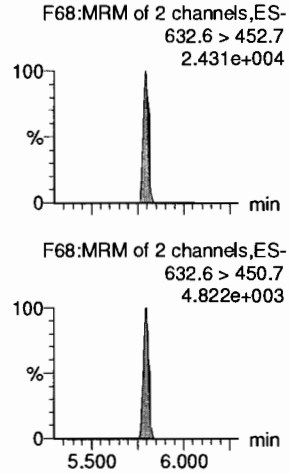

**PFUdA**



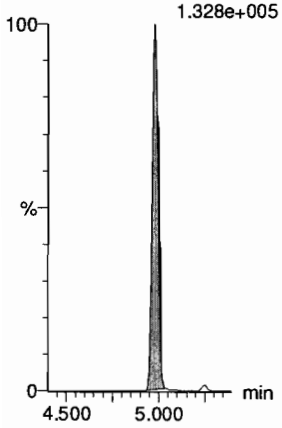

**PFDS**



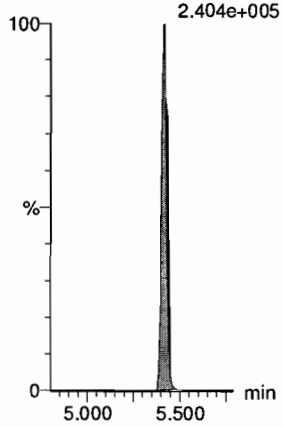

**11Cl-PF30UdS**



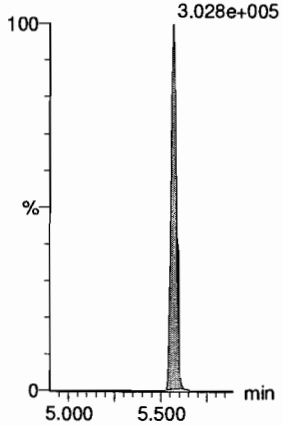

**13C8-PFOS**



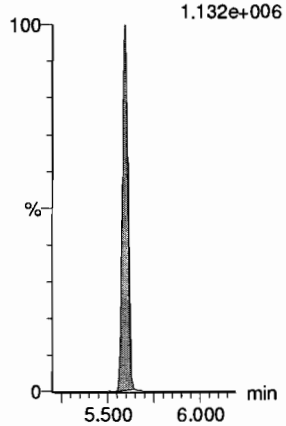

**d3-N-MeFOSAA**



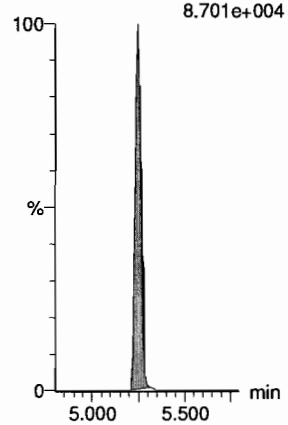

**d5-N-EtFOSAA**



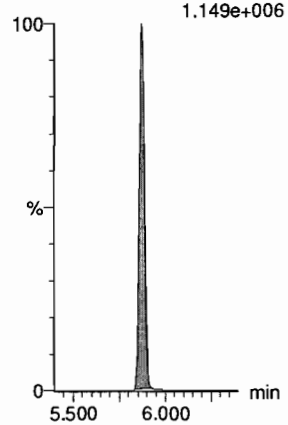

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

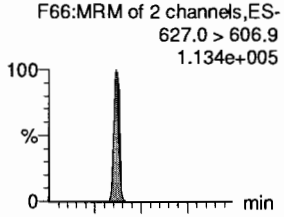


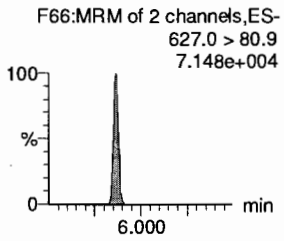
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

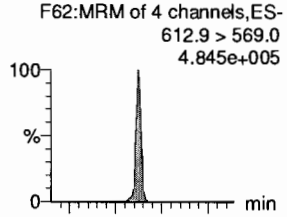
**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

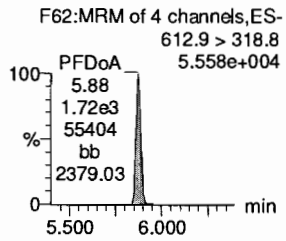
**10:2 FTS**



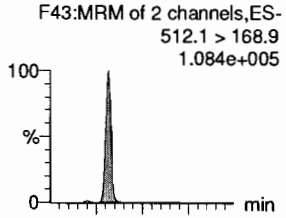



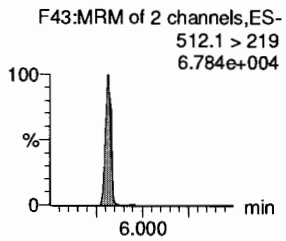

**PFDoA**



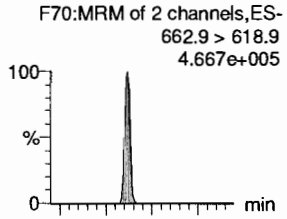



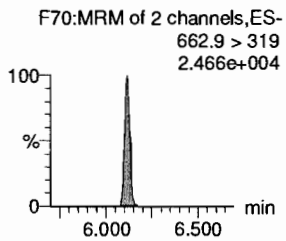

**N-MeFOSA**



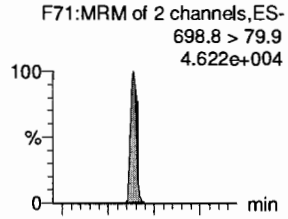



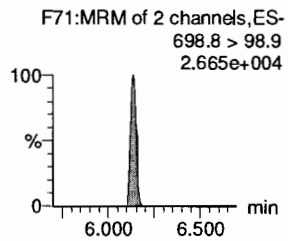

**PFTrDA**



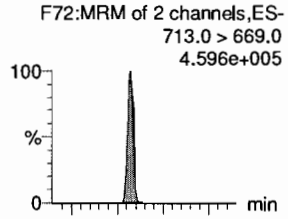



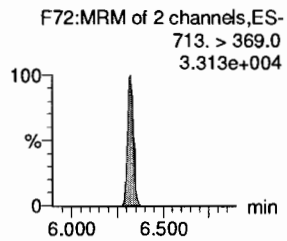

**PFDoS**



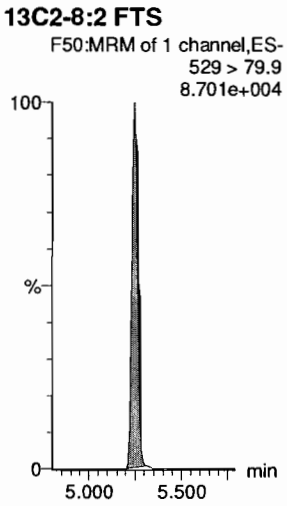




**PFTeDA**

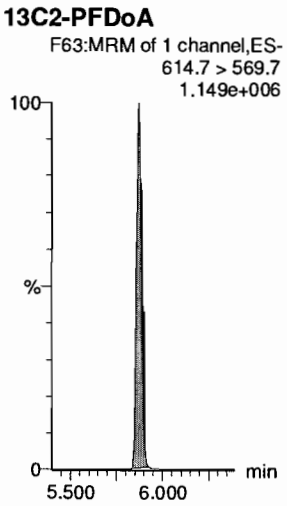


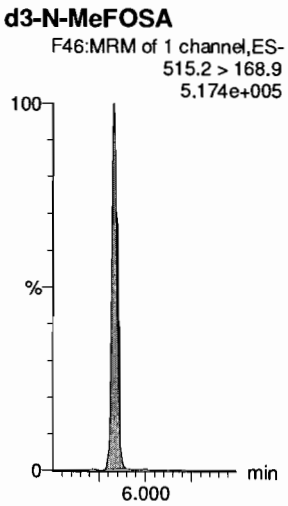

**13C2-8:2 FTS**



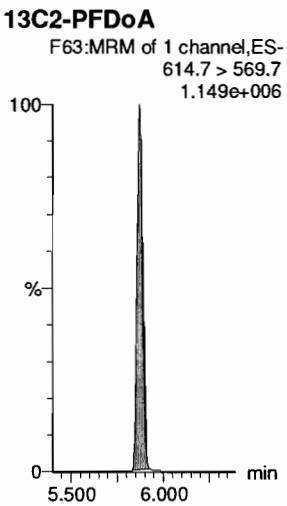

**13C2-PFDoA**



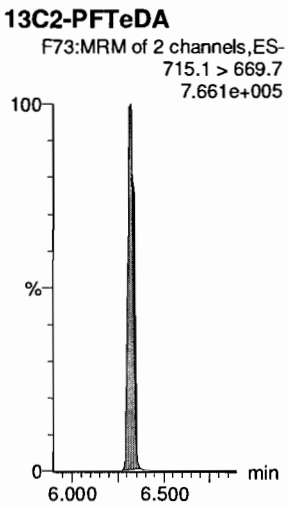

**d3-N-MeFOSA**



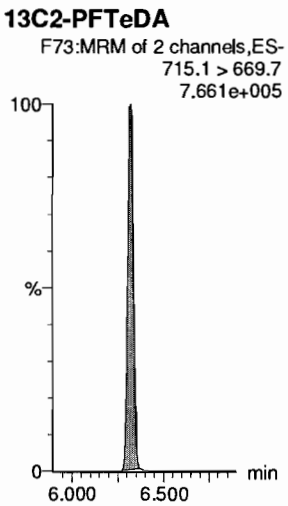

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

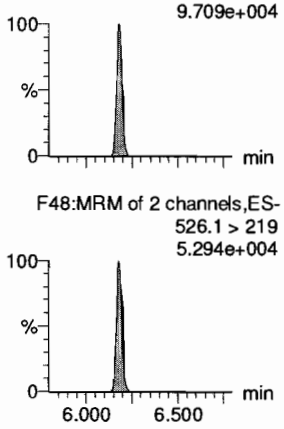


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

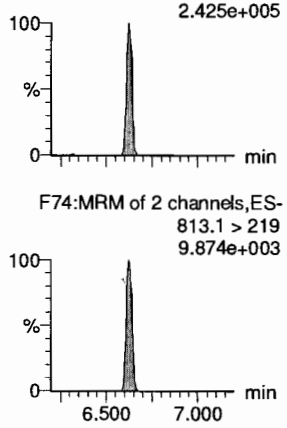
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

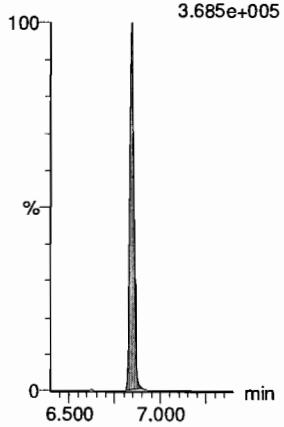
**N-EtFOSA**



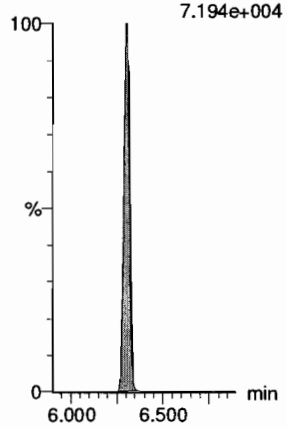

**PFHxDA**



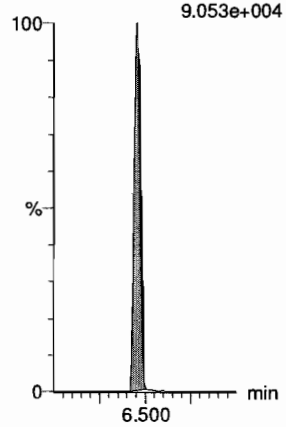

**PFODA**



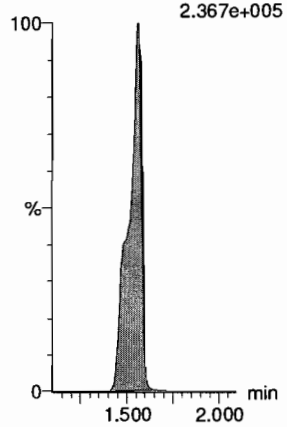

**N-MeFOSE**



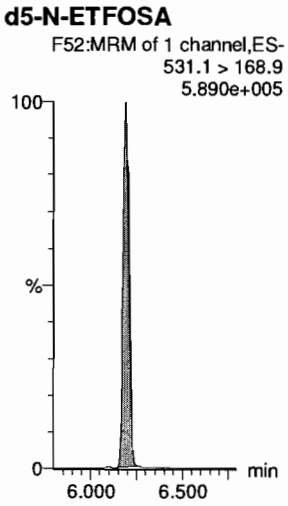

**N-EtFOSE**



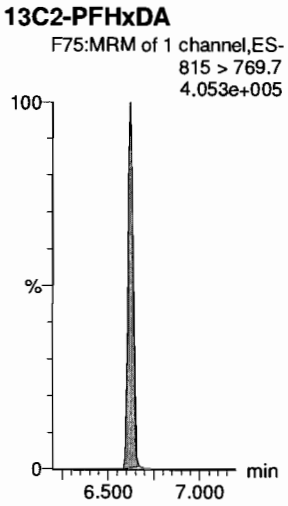

**13C4-PFBA**



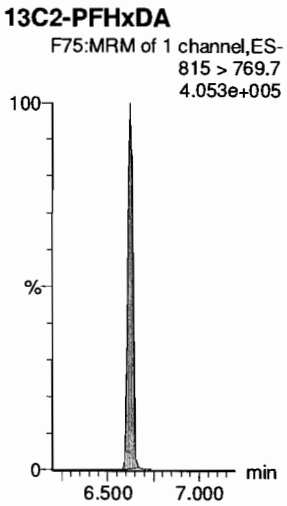

**d5-N-ETFOSA**



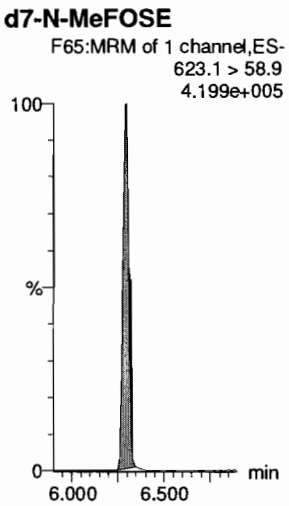

**13C2-PFHxDA**



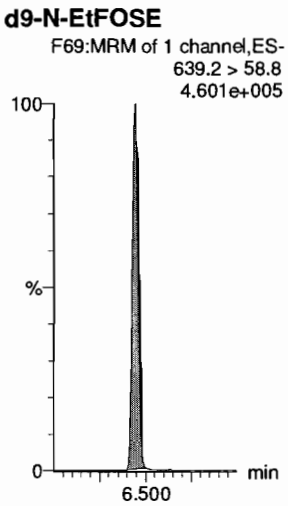

**13C2-PFHxDA**



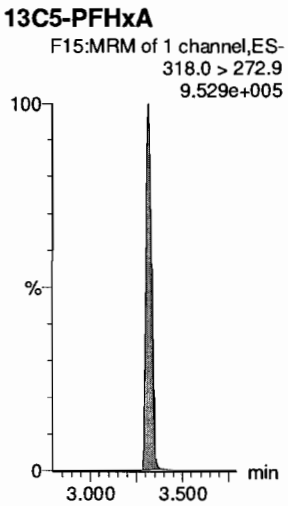

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

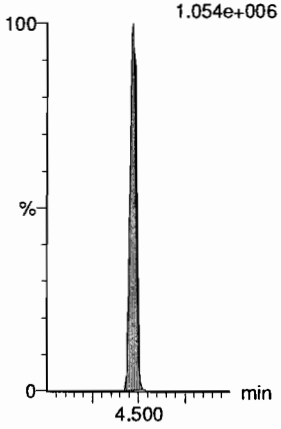


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

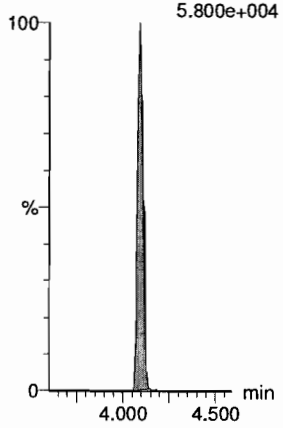
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_8, Date: 29-Jul-2019, Time: 15:05:12, ID: ST190729M1-5 PFC CS2 19G2005, Description: PFC CS2 19G2005**

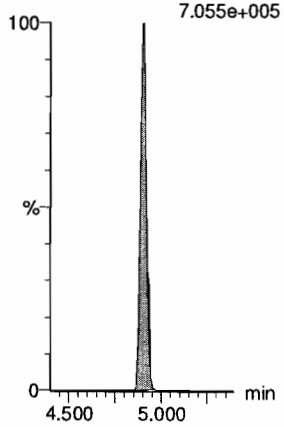
**13C8-PFOA**



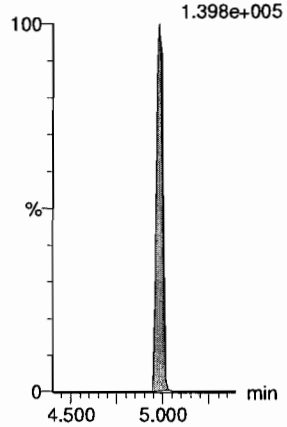

**18O2-PFHxS**



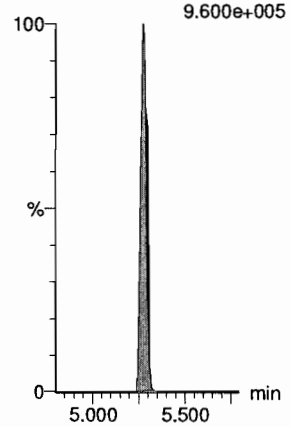

**13C9-PFNA**



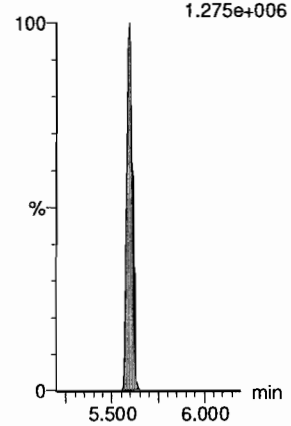

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



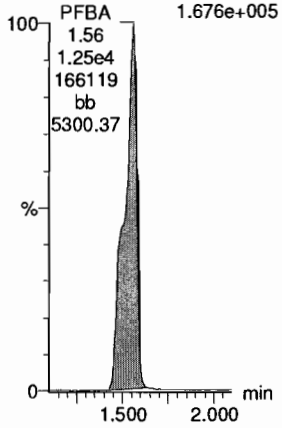
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

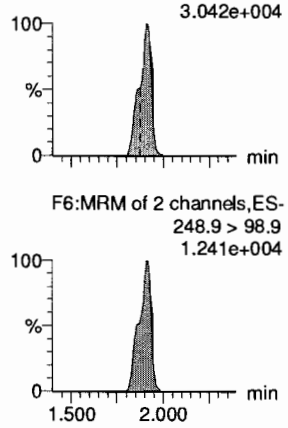
**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

3 3
dm 7/30/19 dm 7/30/19

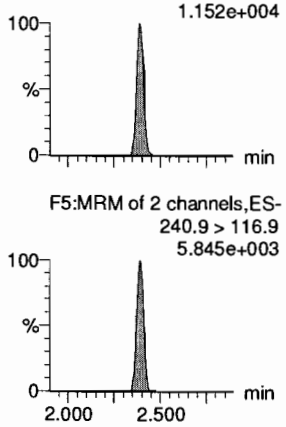
**PFBA**



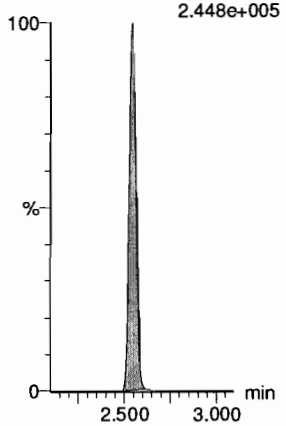

**PFPrS**



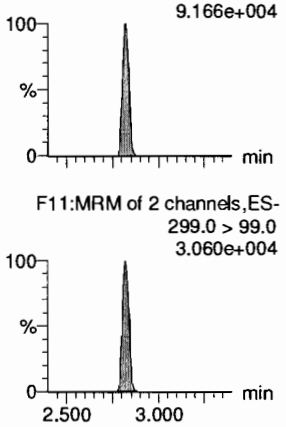

**3:3 FTCA**



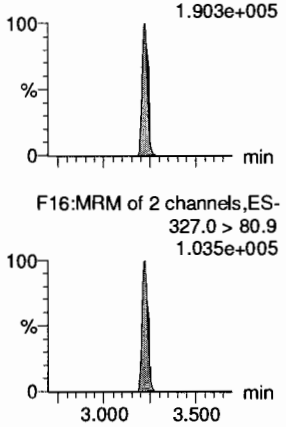

**PFPeA**



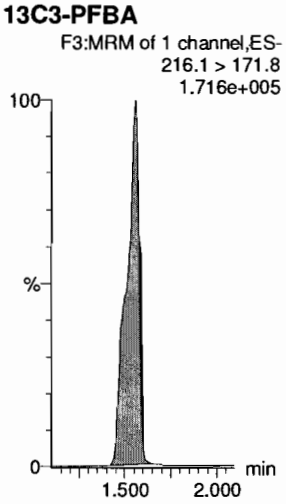

**PFBS**



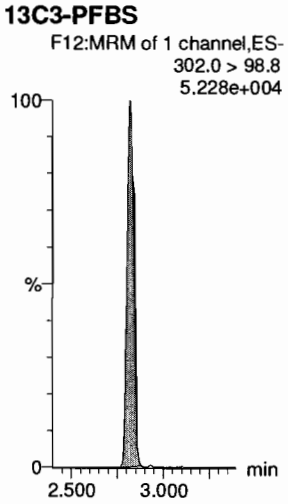

**4:2 FTS**



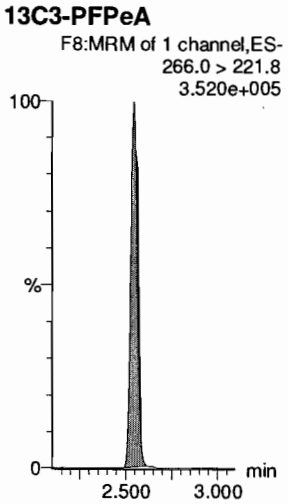

**13C3-PFBA**



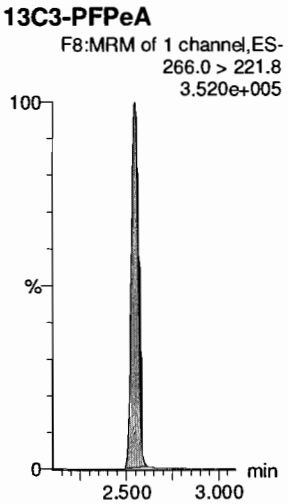

**13C3-PFBS**



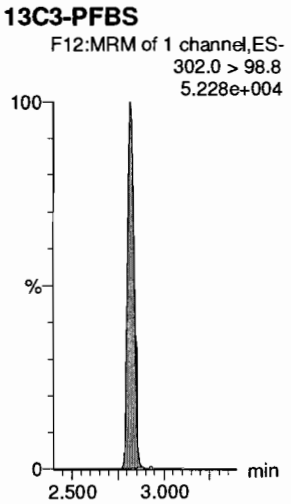

**13C3-PFPeA**



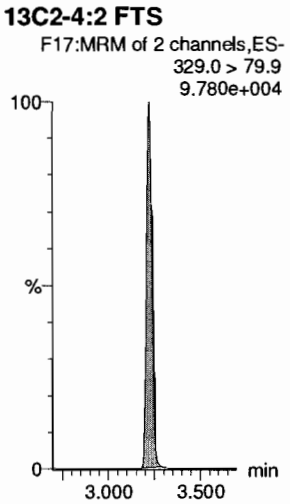

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

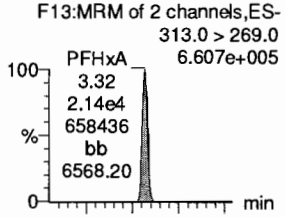


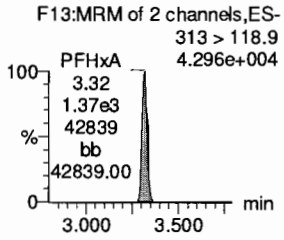
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

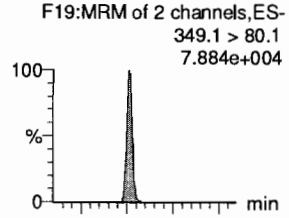
**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

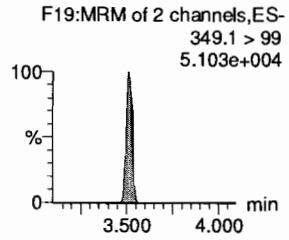
**PFHxA**



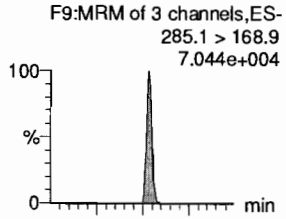



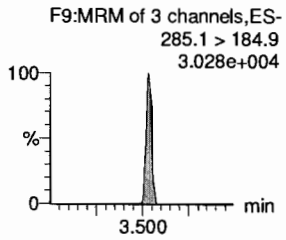

**PFPeS**



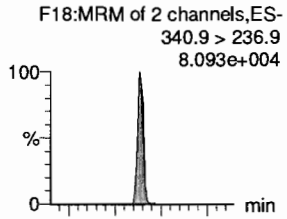



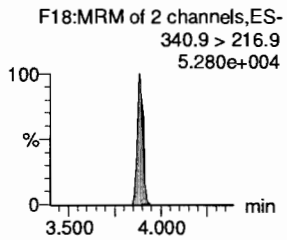

**HFPO-DA**



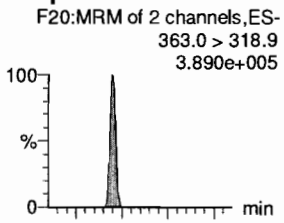



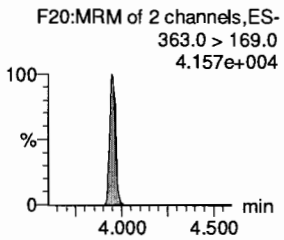

**5:3 FTCA**



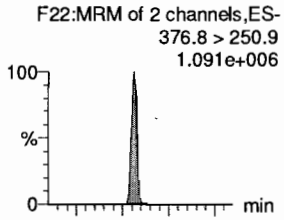



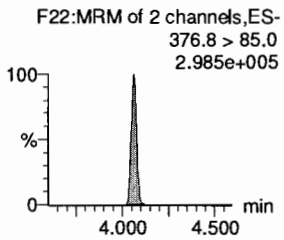

**PFHpA**



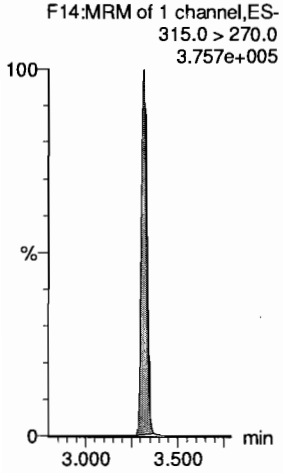




**ADONA**

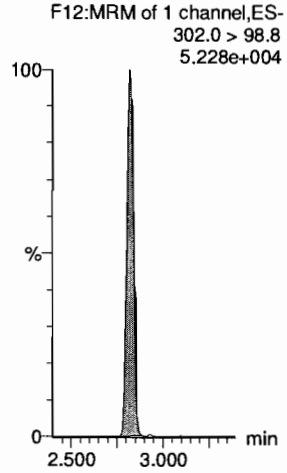


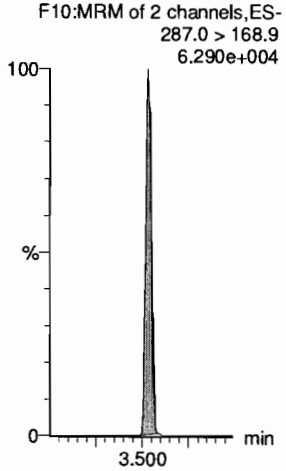

**13C2-PFHxA**



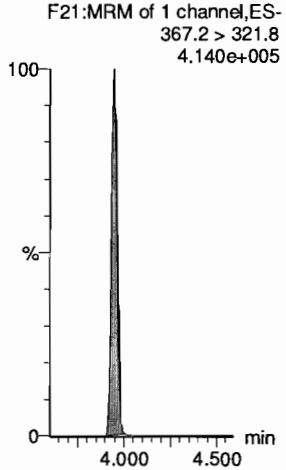

**13C3-PFBS**



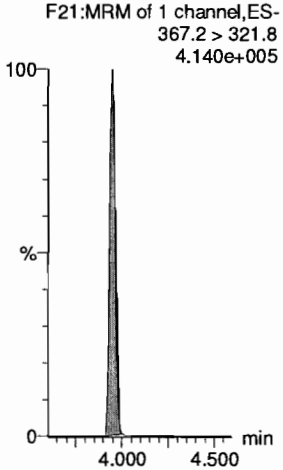

**13C3-HFPO-DA**



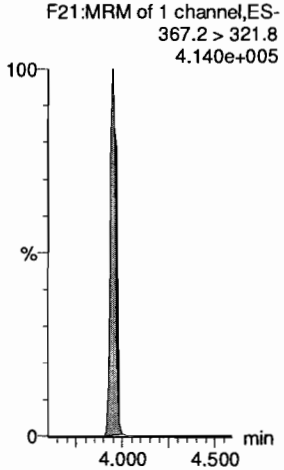

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

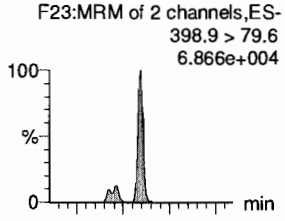


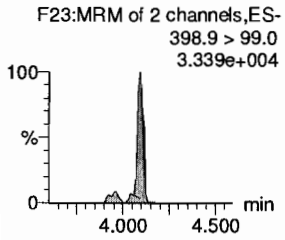
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

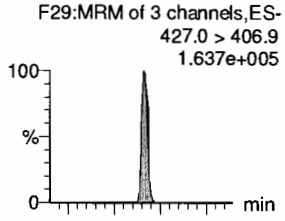
**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

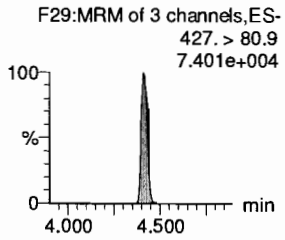
**L-PFHxS**



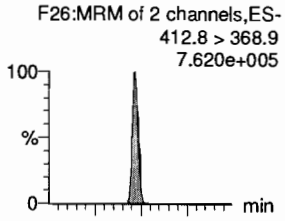



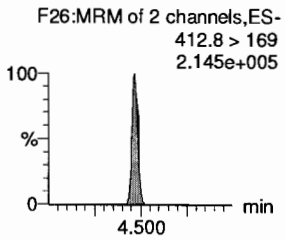

**6:2 FTS**



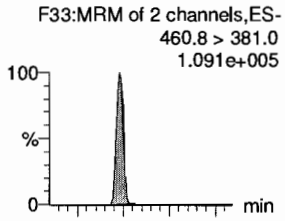



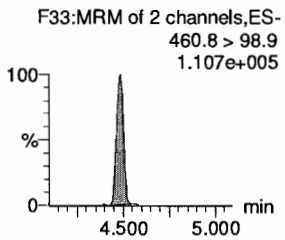

**L-PFOA**



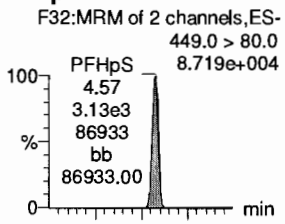



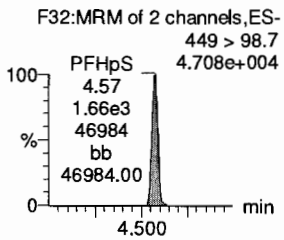

**PFEChS**



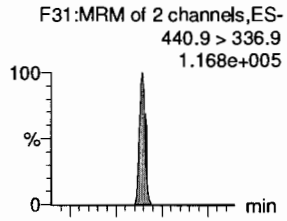



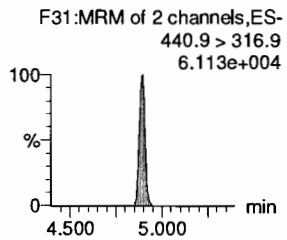

**PFHpS**



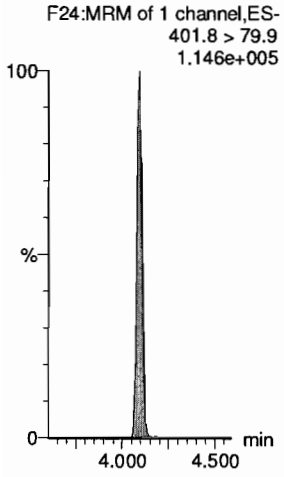




**7:3 FTCA**

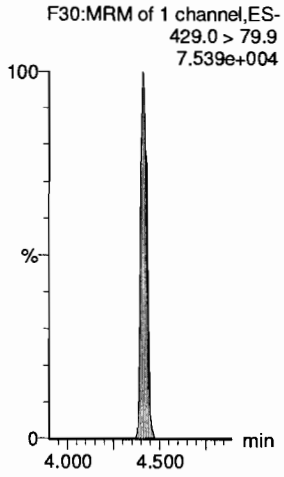


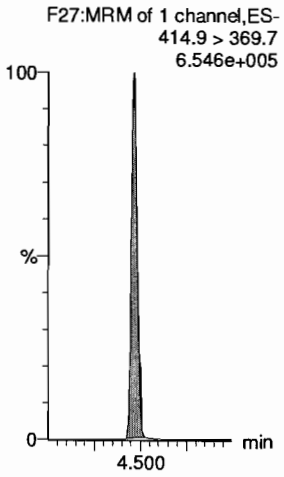

**13C3-PFHxS**



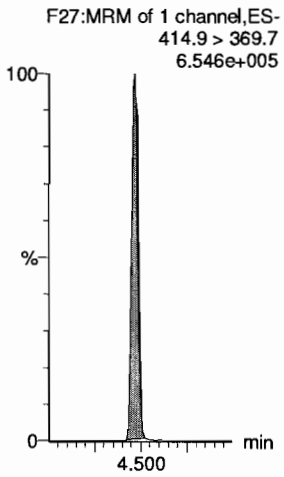

**13C2-6:2 FTS**



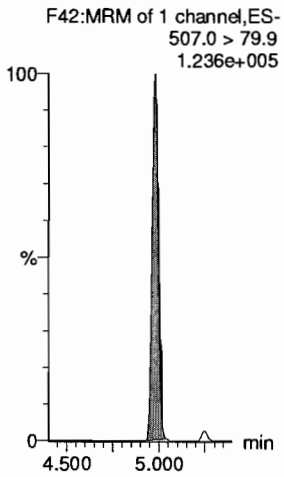

**13C2-PFOA**



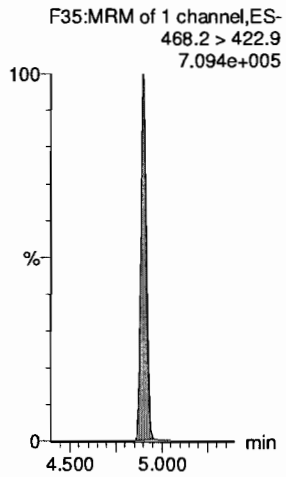

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

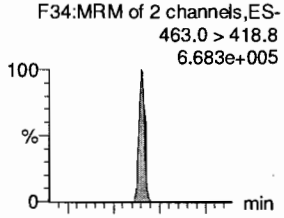


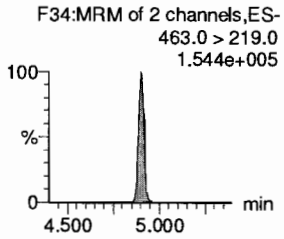
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

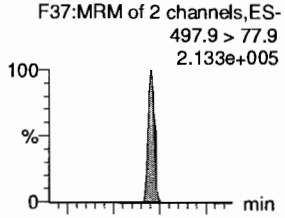
**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

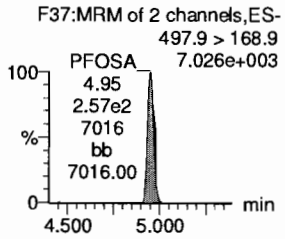
**PFNA**



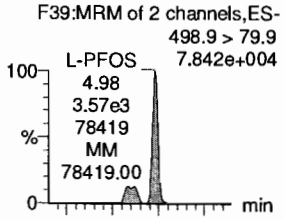



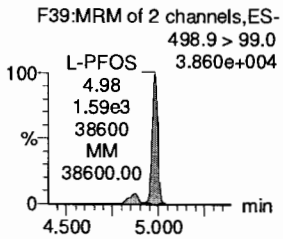

**PFOSA**



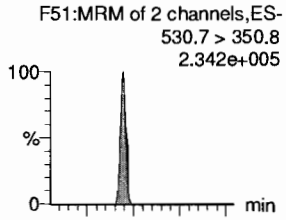



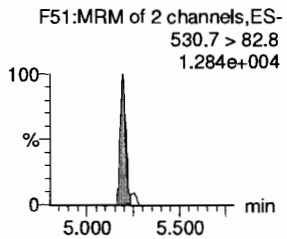

**L-PFOS**




**9Cl-PF30NS**

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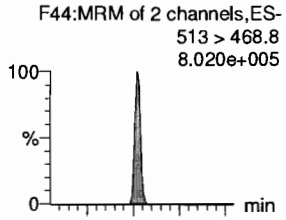
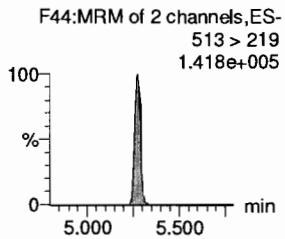
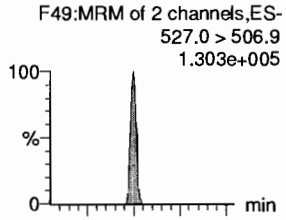
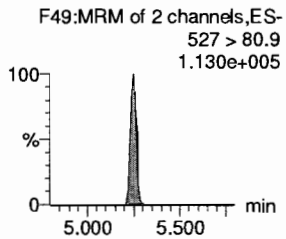


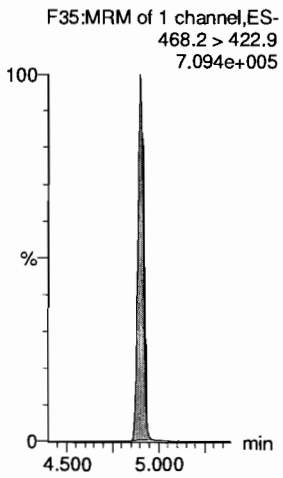




**8:2 FTS**

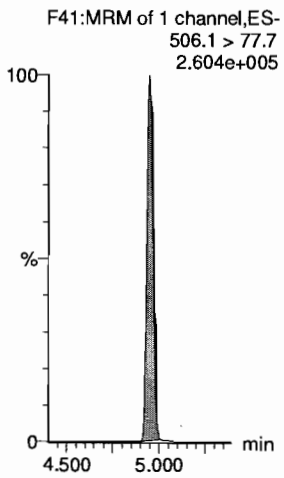


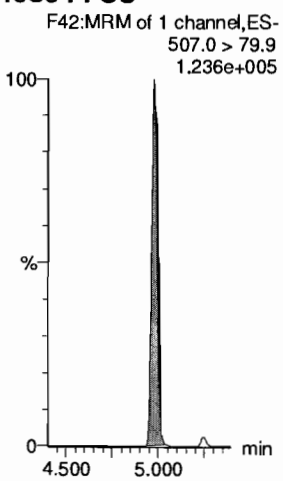

**13C5-PFNA**



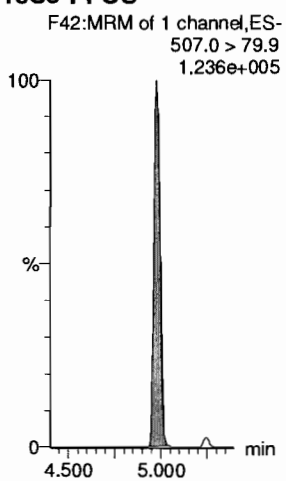

**13C8-PFOSA**



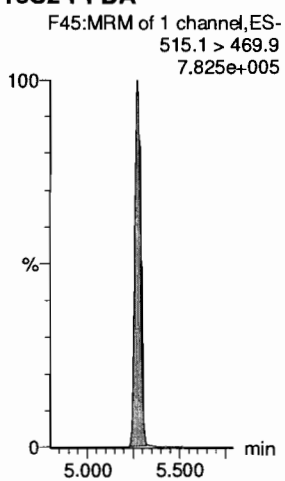

**13C8-PFOS**



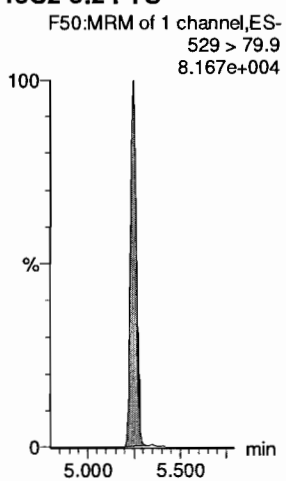

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

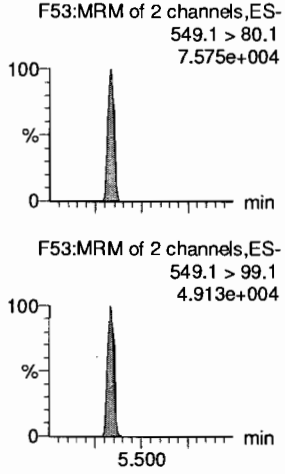


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

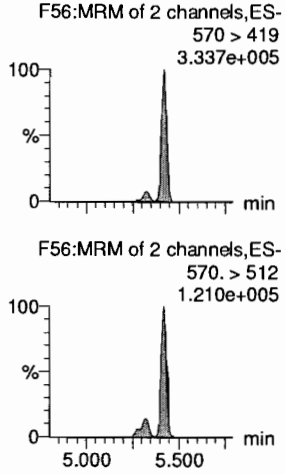
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

**PFNS**




**L-MeFOSAA**

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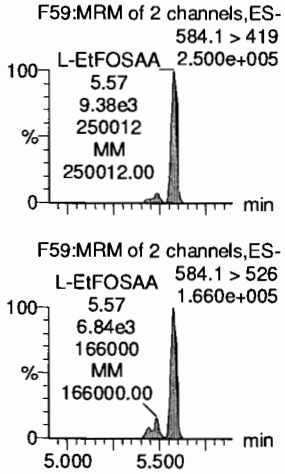
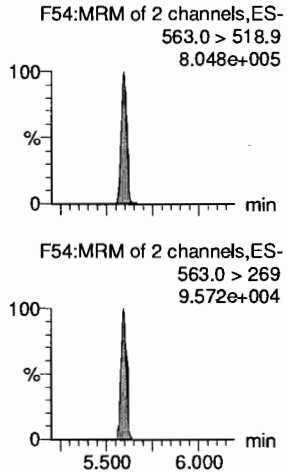
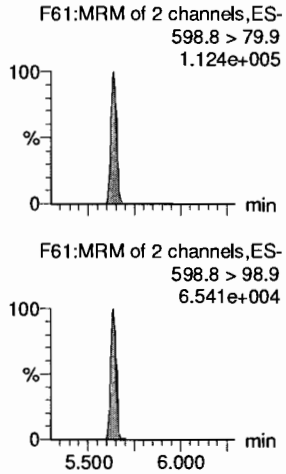


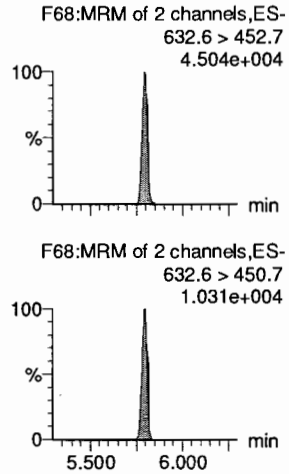

**PFUdA**



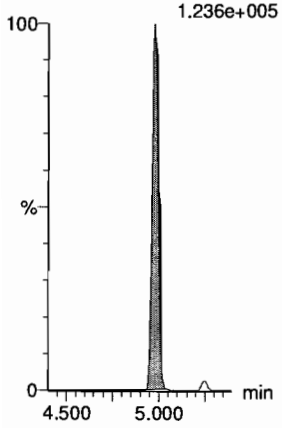

**PFDS**



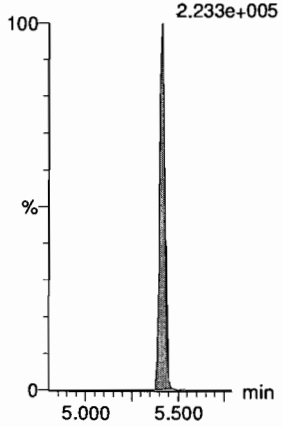

**11Cl-PF30UdS**



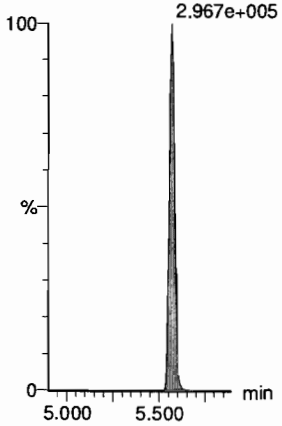

**13C8-PFOS**



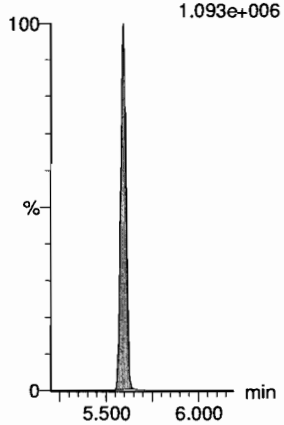

**d3-N-MeFOSAA**



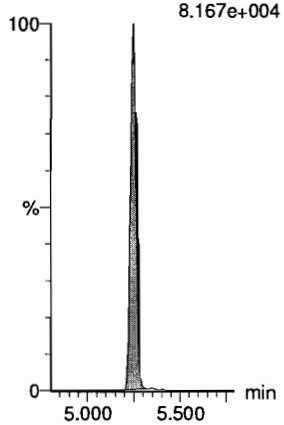

**d5-N-EtFOSAA**



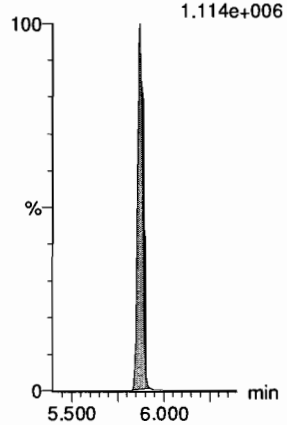

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

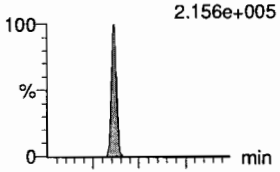


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

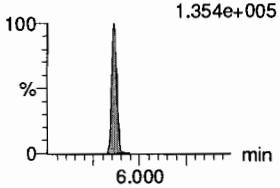
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

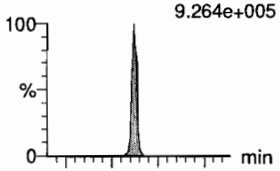
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
2.156e+005



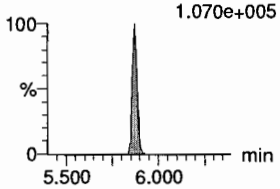

F66:MRM of 2 channels,ES-
627.0 > 80.9
1.354e+005



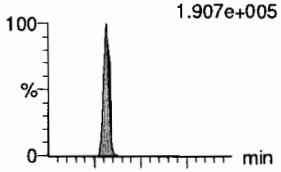

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
9.264e+005



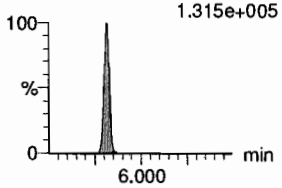

F62:MRM of 4 channels,ES-
612.9 > 318.8
1.070e+005



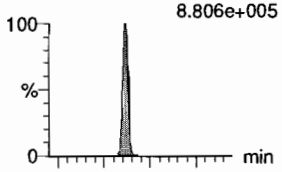

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
1.907e+005



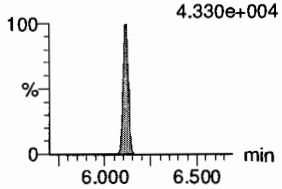

F43:MRM of 2 channels,ES-
512.1 > 219
1.315e+005



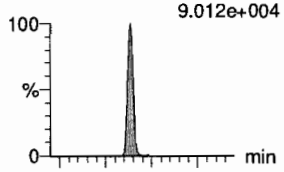

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
8.806e+005



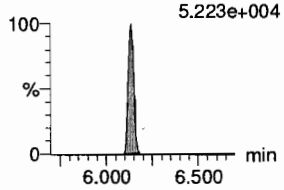

F70:MRM of 2 channels,ES-
662.9 > 319
4.330e+004



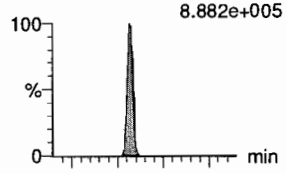

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
9.012e+004



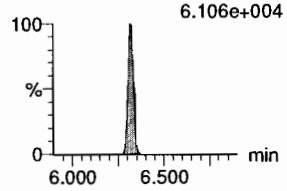

F71:MRM of 2 channels,ES-
698.8 > 98.9
5.223e+004



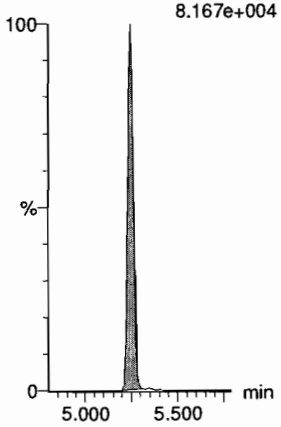

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
8.882e+005



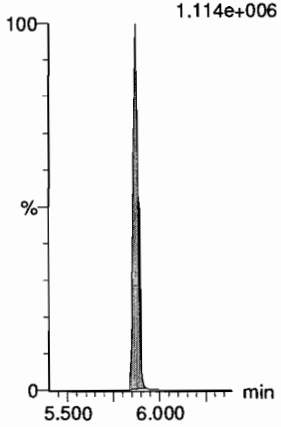

F72:MRM of 2 channels,ES-
713. > 369.0
6.106e+004



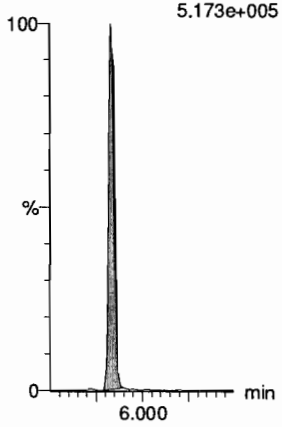

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
8.167e+004



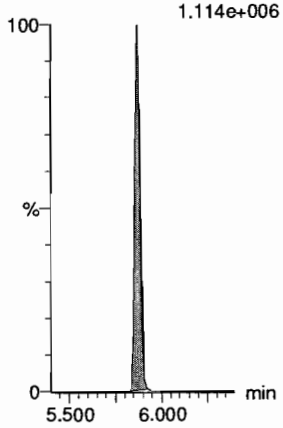

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.114e+006



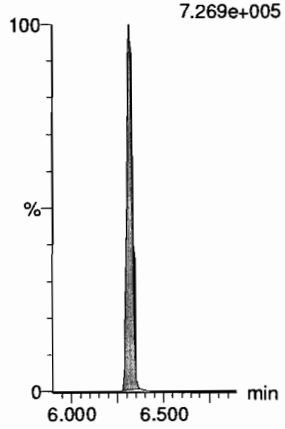

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
5.173e+005



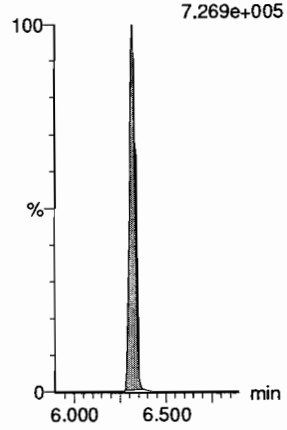

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.114e+006




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
7.269e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
7.269e+005

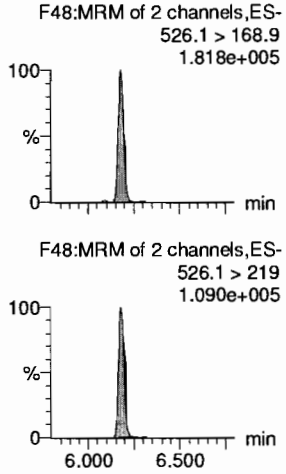


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

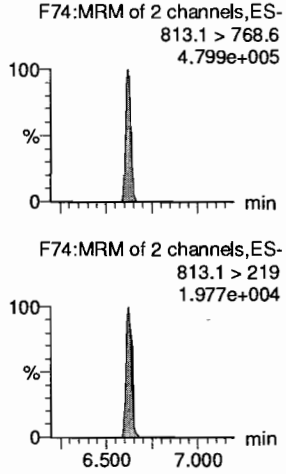
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

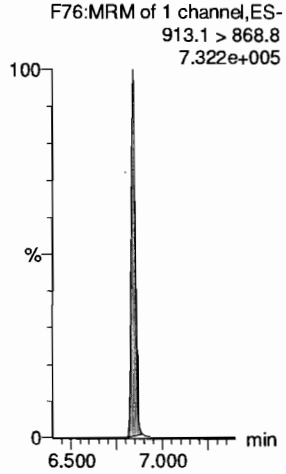
**N-EtFOSA**



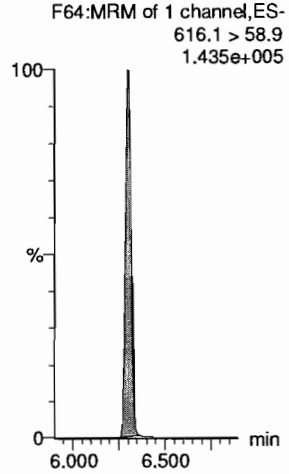

**PFHxDA**



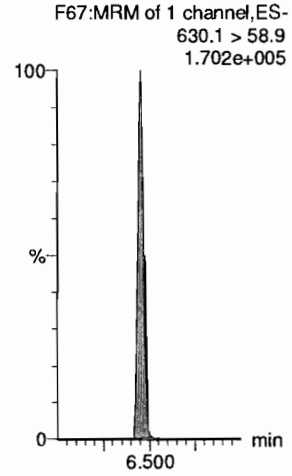

**PFODA**



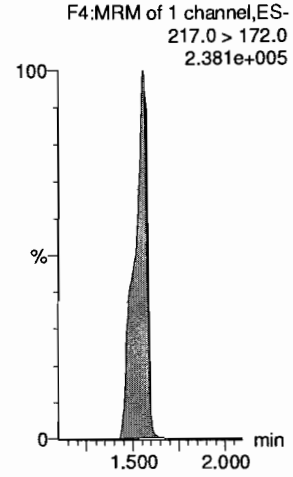

**N-MeFOSE**



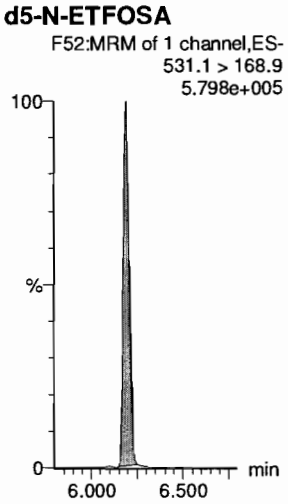

**N-EtFOSE**



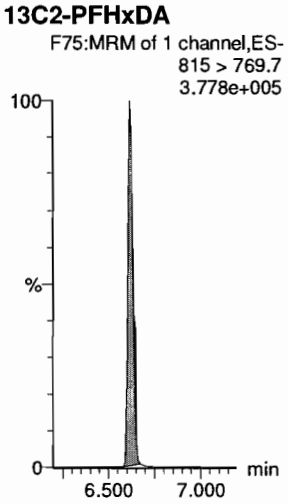

**13C4-PFBA**



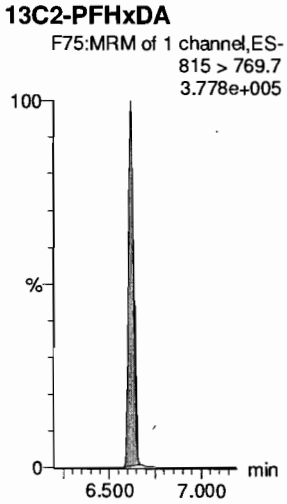

**d5-N-ETFOSA**



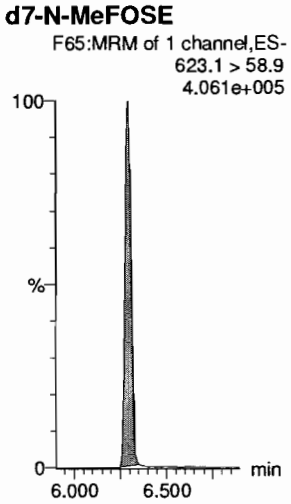

**13C2-PFHxDA**



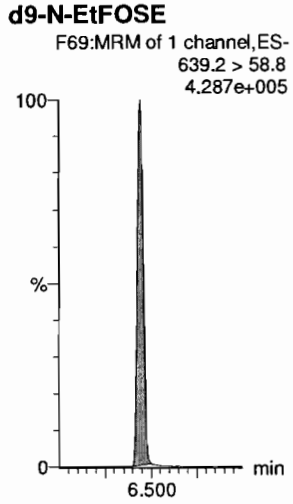

**13C2-PFHxDA**



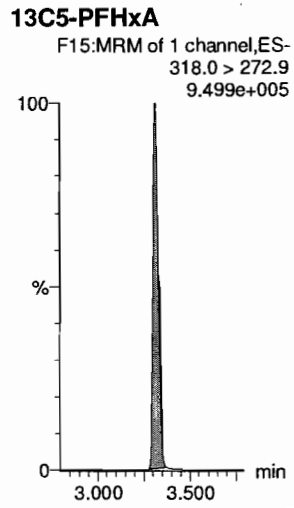

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

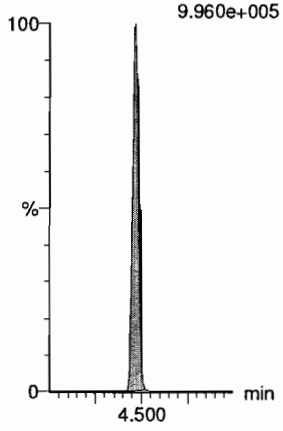


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

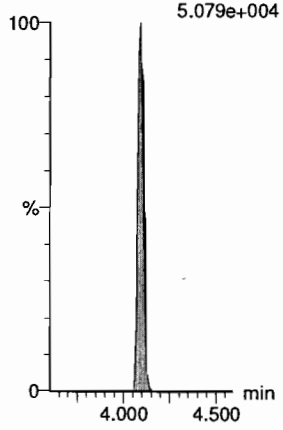
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_9, Date: 29-Jul-2019, Time: 15:15:45, ID: ST190729M1-6 PFC CS3 19G2006, Description: PFC CS3 19G2006**

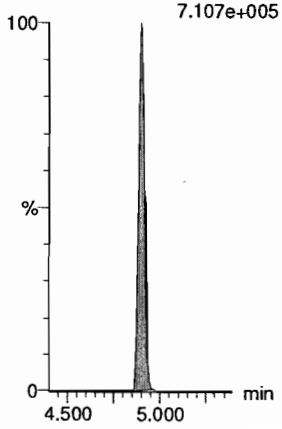
**13C8-PFOA**
F28:MRM of 1 channel,ES-
420.9 > 376.0
9.960e+005



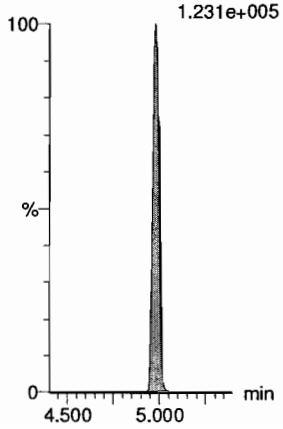

**18O2-PFHxS**
F25:MRM of 1 channel,ES-
403.0 > 102.6
5.079e+004



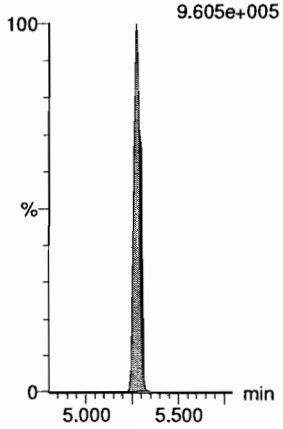

**13C9-PFNA**
F36:MRM of 1 channel,ES-
472.2 > 426.9
7.107e+005



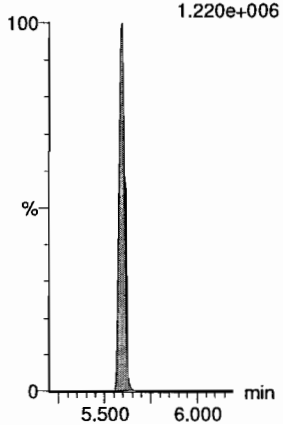

**13C4-PFOS**
F40:MRM of 1 channel,ES-
503 > 79.9
1.231e+005




**13C6-PFDA**
F47:MRM of 1 channel,ES-
519.1 > 473.7
9.605e+005




**13C7-PFUdA**
F57:MRM of 1 channel,ES-
570.1 > 524.8
1.220e+006



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

3 2
am 7/30/19 am 7/30/19

**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
8.490e+005

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
1.498e+005
F6:MRM of 2 channels,ES-
248.9 > 98.9
6.261e+004

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
6.030e+004
F5:MRM of 2 channels,ES-
240.9 > 116.9
3.176e+004

**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
1.206e+006

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
4.451e+005
F11:MRM of 2 channels,ES-
299.0 > 99.0
1.473e+005

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
8.386e+005
4:2 FTS
3.22
2.92e4
835258
bb
24246.24
F16:MRM of 2 channels,ES-
327.0 > 80.9
4.735e+005

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
1.722e+005

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
5.044e+004

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
3.475e+005

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
3.475e+005

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
5.044e+004

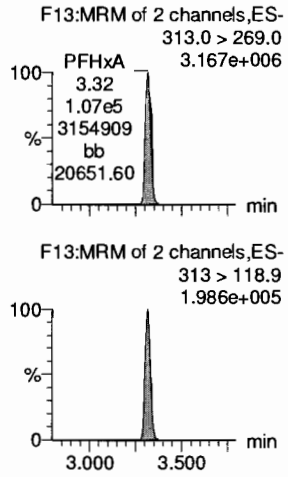
**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
9.094e+004

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

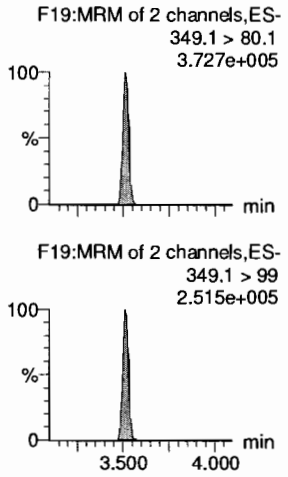
**PFHxA**







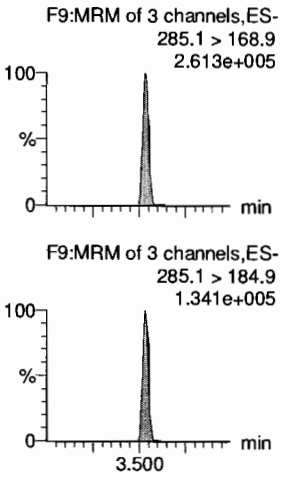
**PFPeS**







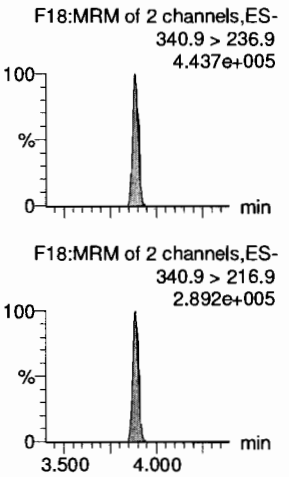
**HFPO-DA**







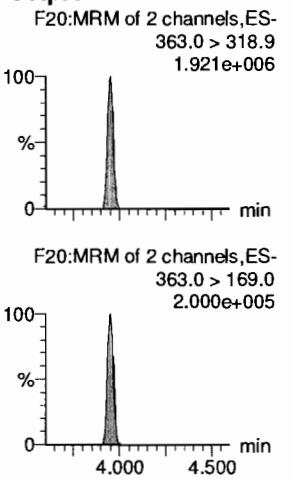
**5:3 FTCA**







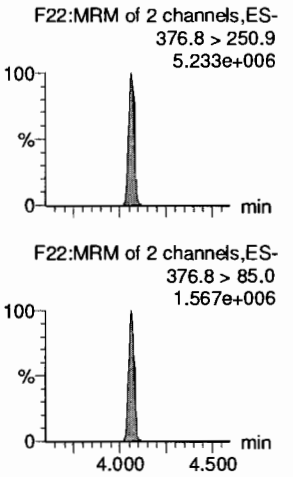
**PFHpA**







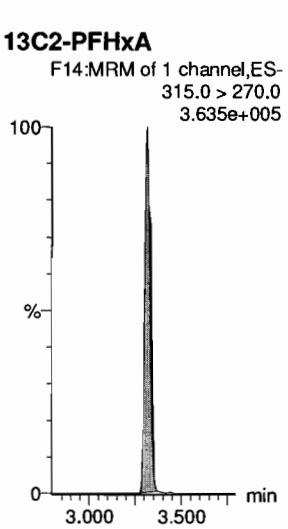
**ADONA**



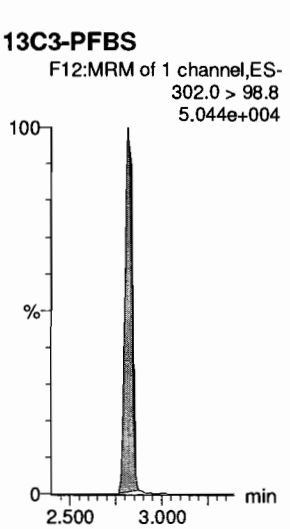




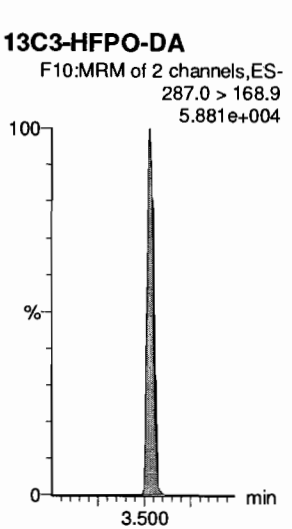
**13C2-PFHxA**



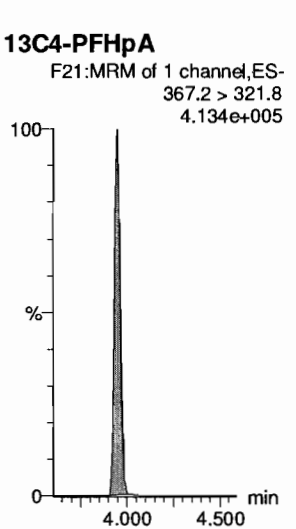

**13C3-PFBS**



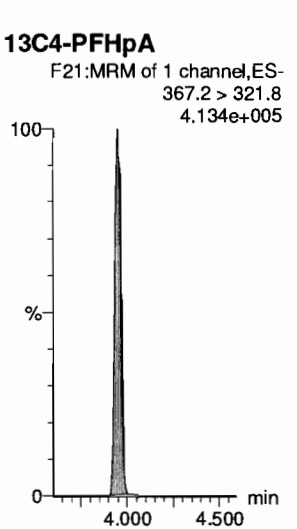

**13C3-HFPO-DA**



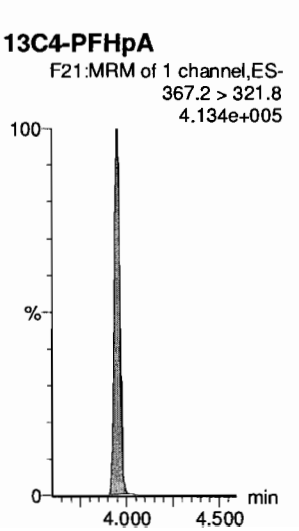

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

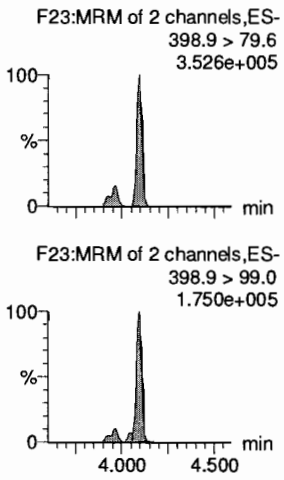


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

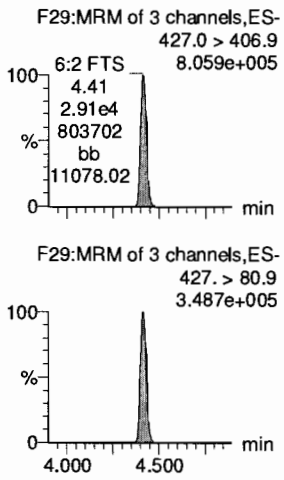
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

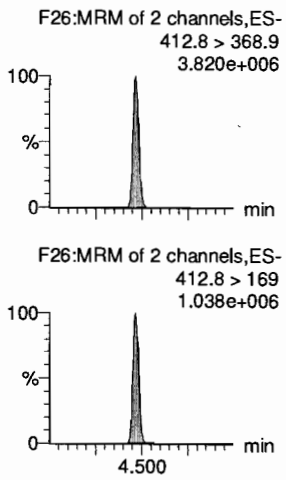
**L-PFHxS**



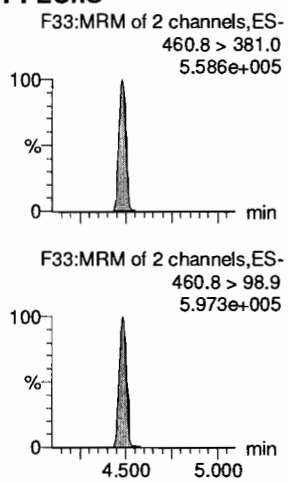

**6:2 FTS**



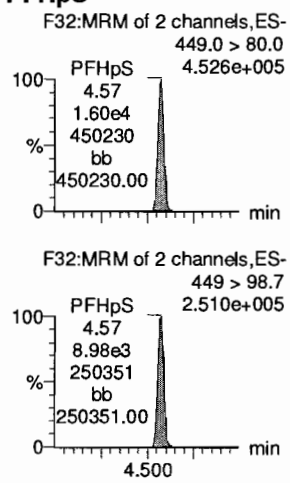

**L-PFOA**



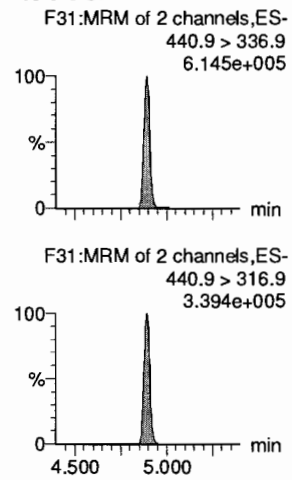

**PFEChS**



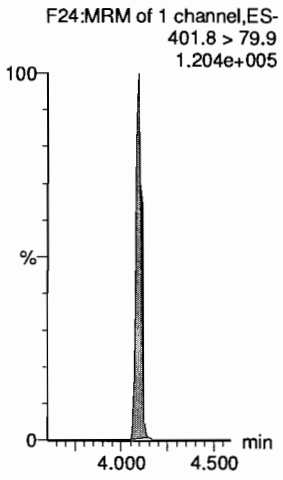

**PFHpS**



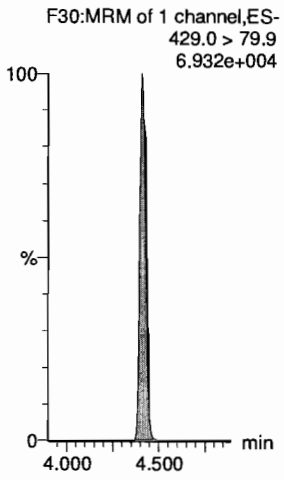

**7:3 FTCA**



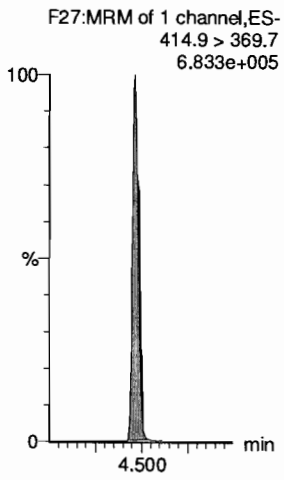

**13C3-PFHxS**



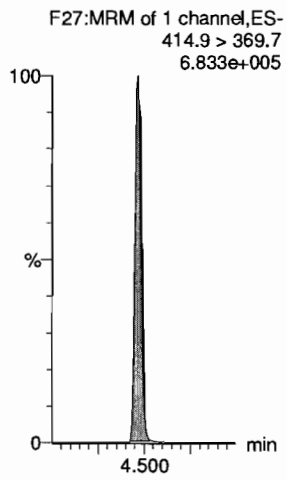

**13C2-6:2 FTS**



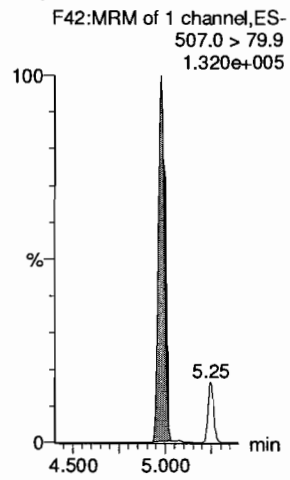

**13C2-PFOA**



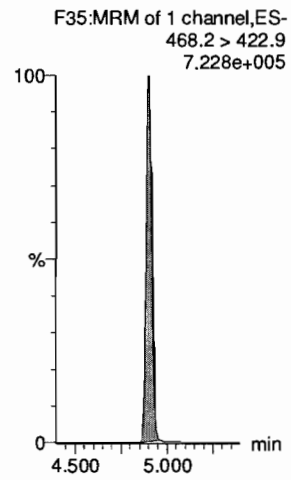

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

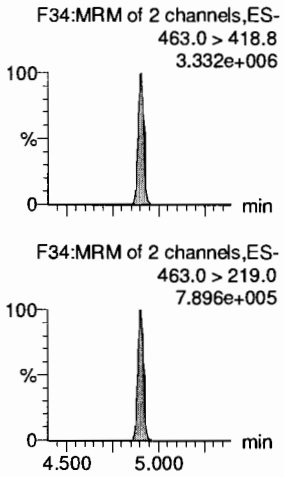


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

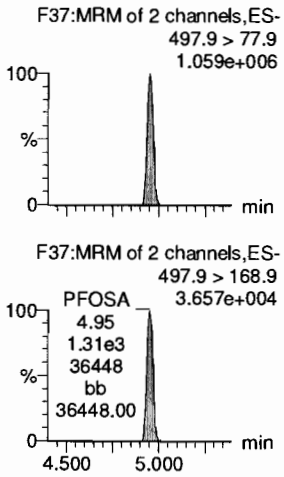
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

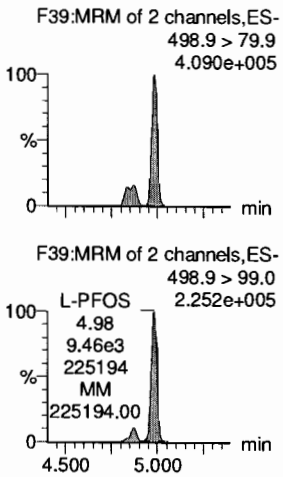
**PFNA**



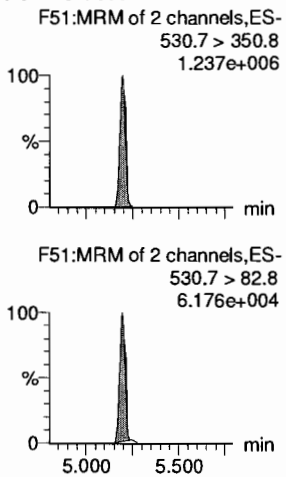

**PFOSA**



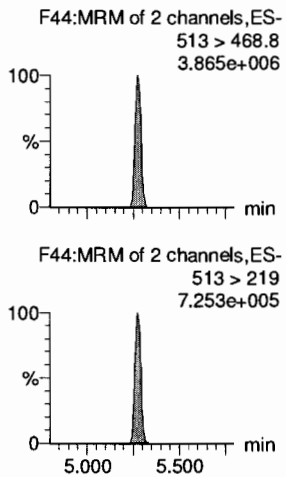

**L-PFOS**



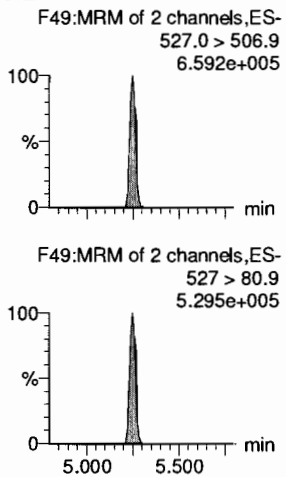

**9Cl-PF30NS**



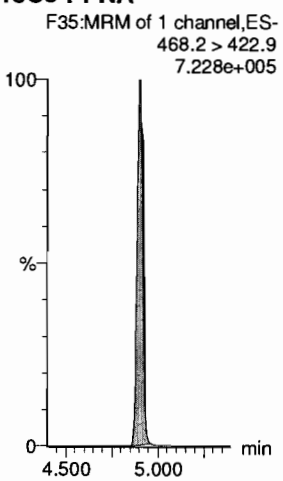

**PFDA**



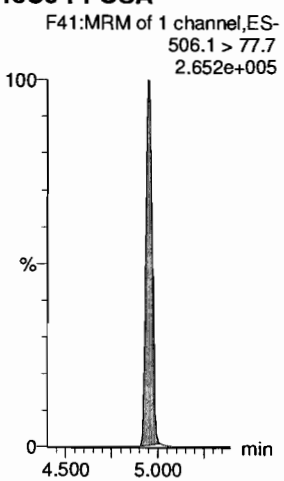

**8:2 FTS**



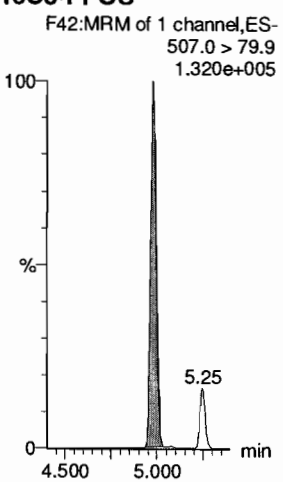

**13C5-PFNA**



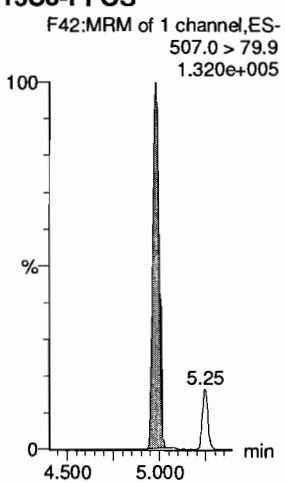

**13C8-PFOSA**



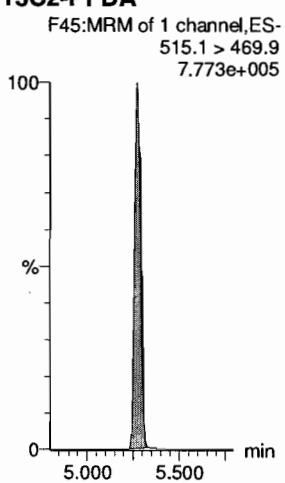

**13C8-PFOS**



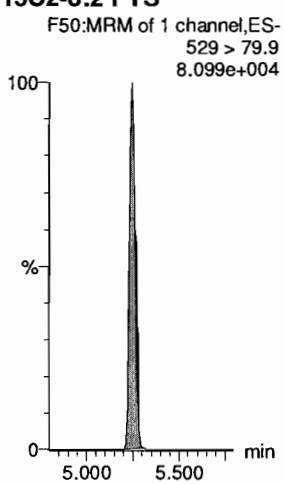

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

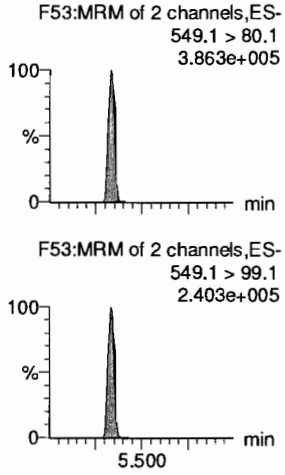


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

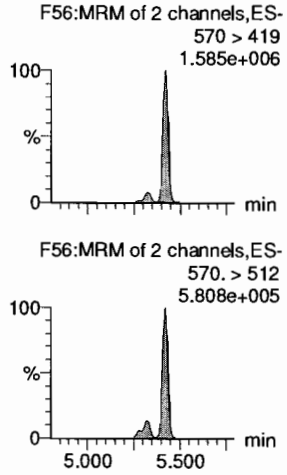
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

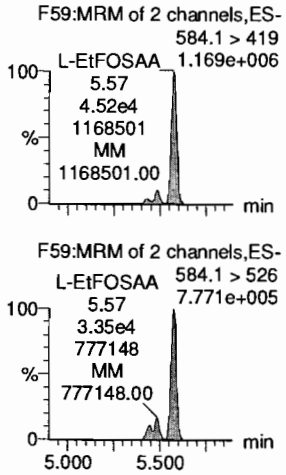
**PFNS**



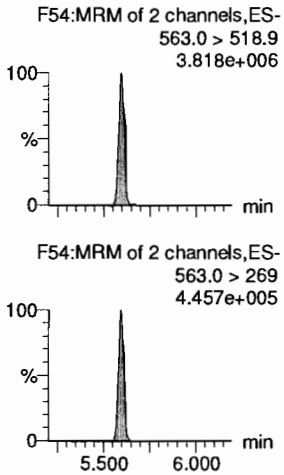

**L-MeFOSAA**



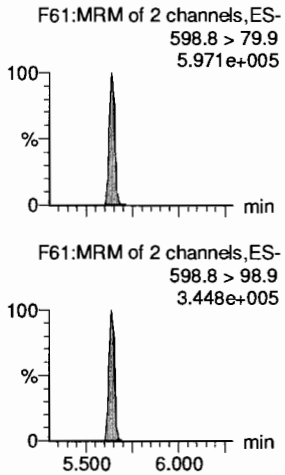

**L-EtFOSAA**



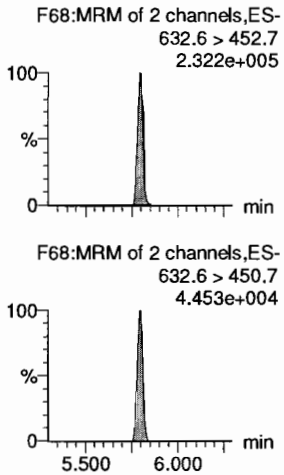

**PFUdA**



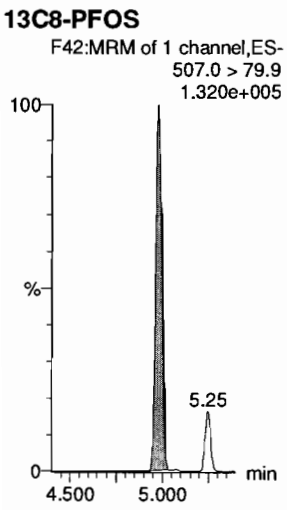

**PFDS**



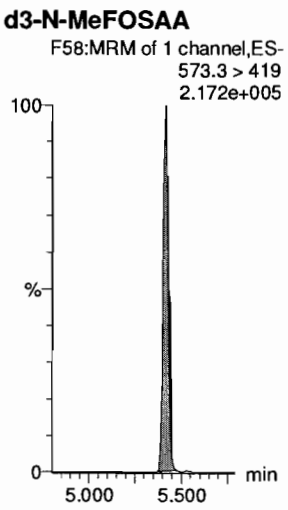

**11Cl-PF30UdS**



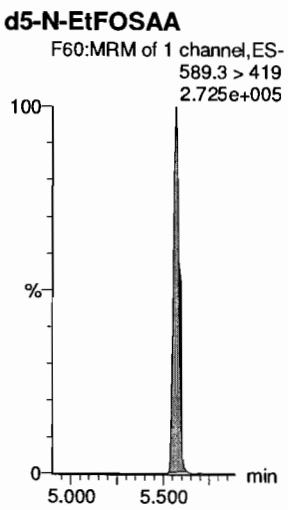

**13C8-PFOS**



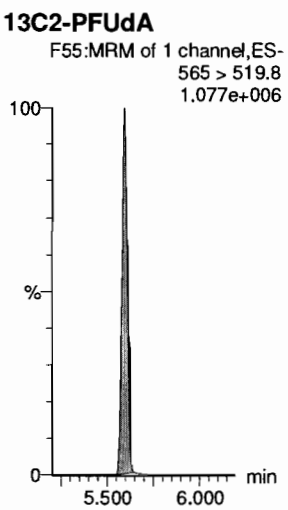

**d3-N-MeFOSAA**



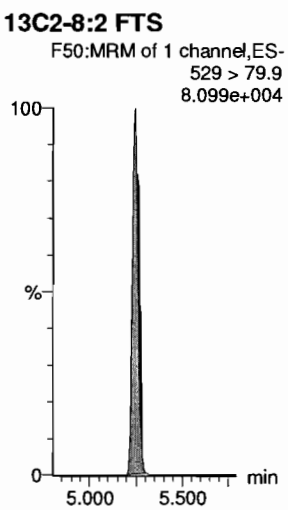

**d5-N-EtFOSAA**



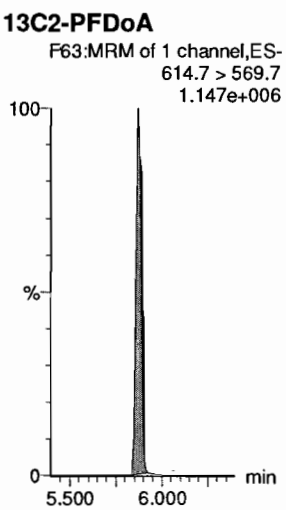

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

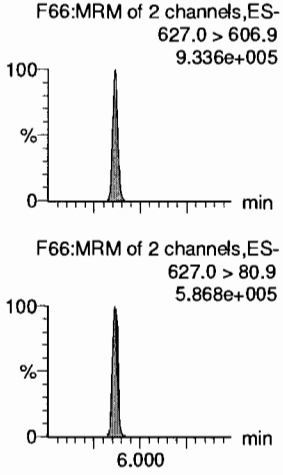


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

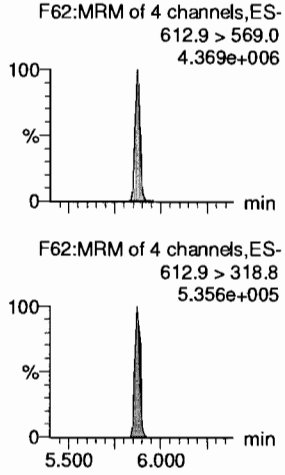
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

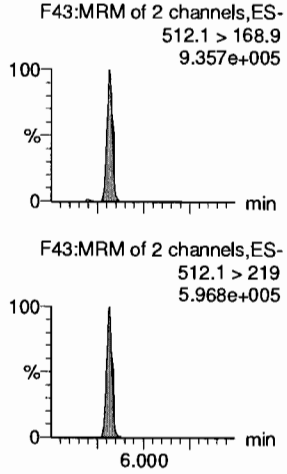
**10:2 FTS**



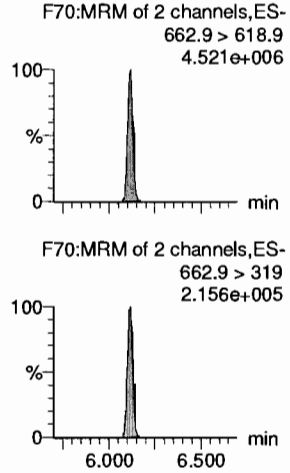

**PFDoA**



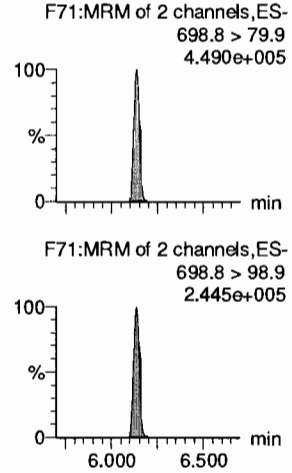

**N-MeFOSA**



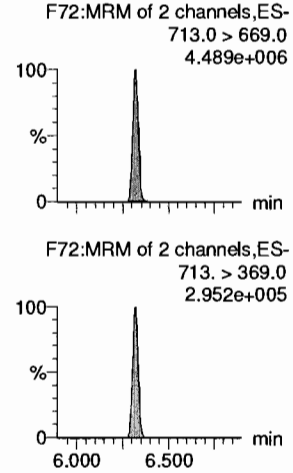

**PFTrDA**



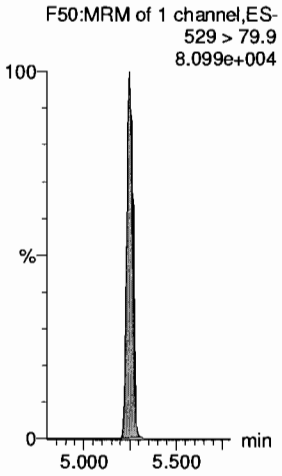

**PFDoS**



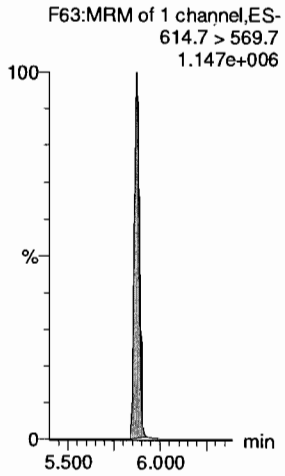

**PFTeDA**



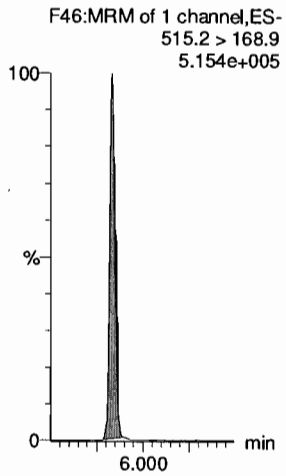

**13C2-8:2 FTS**



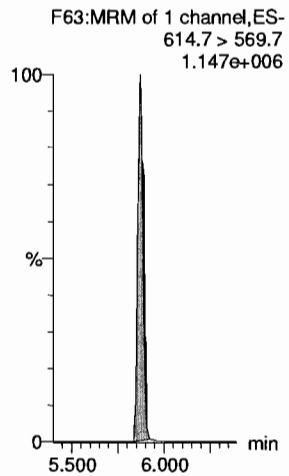

**13C2-PFDoA**



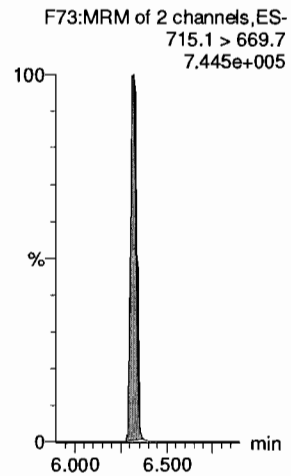

**d3-N-MeFOSA**




**13C2-PFDoA**




**13C2-PFTeDA**

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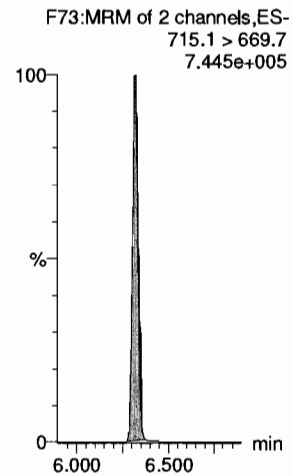
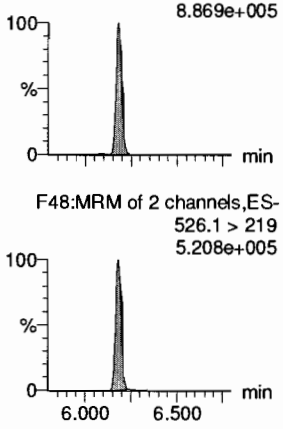


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

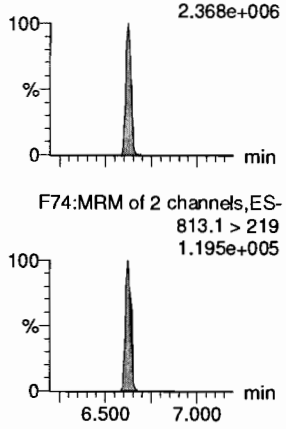
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

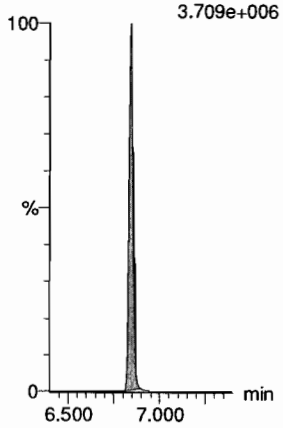
**N-EtFOSA**



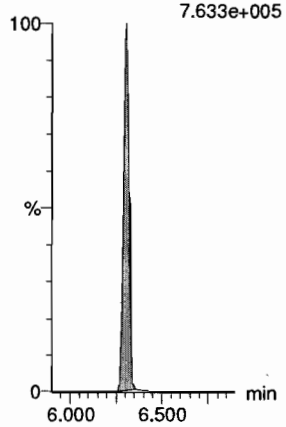

**PFHxDA**



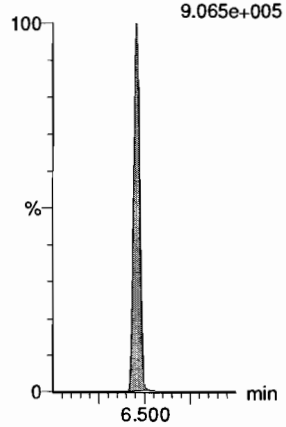

**PFODA**



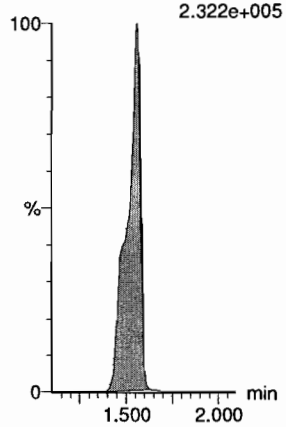

**N-MeFOSE**



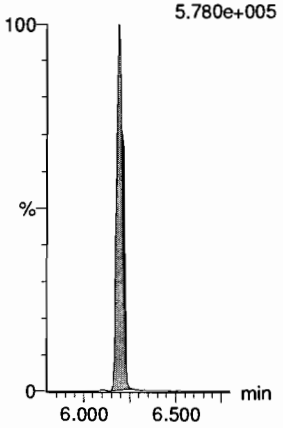

**N-EtFOSE**



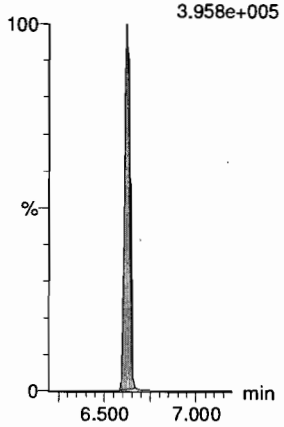

**13C4-PFBA**



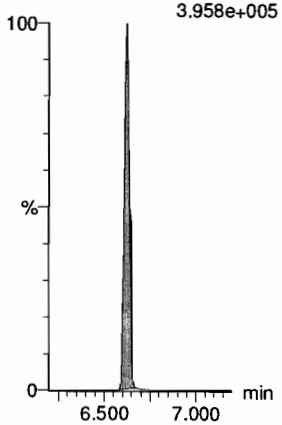

**d5-N-ETFOSA**




**13C2-PFHxDA**




**13C2-PFHxDA**

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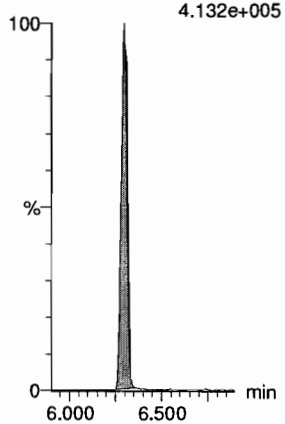
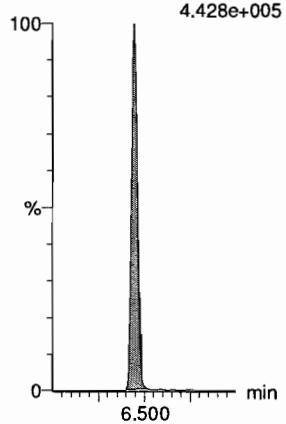
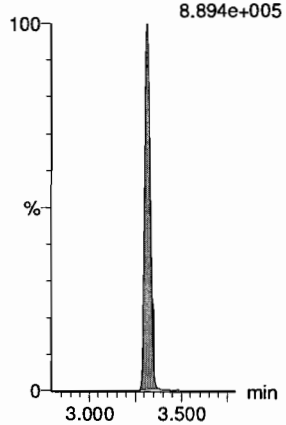



**d9-N-EtFOSE**




**13C5-PFHxA**

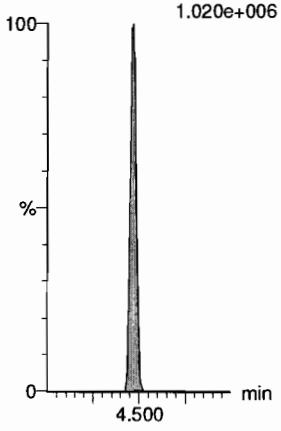


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

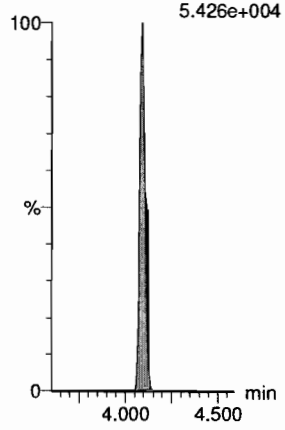
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_10, Date: 29-Jul-2019, Time: 15:26:23, ID: ST190729M1-7 PFC CS4 19G2007, Description: PFC CS4 19G2007**

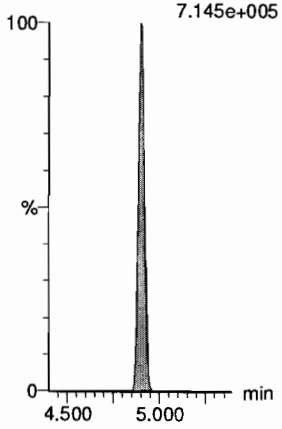
**13C8-PFOA**



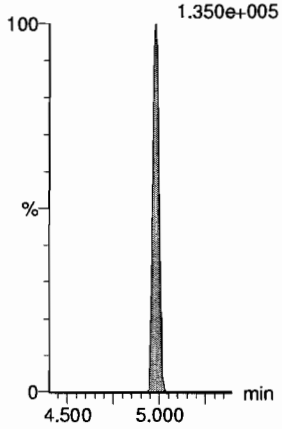

**18O2-PFHxS**



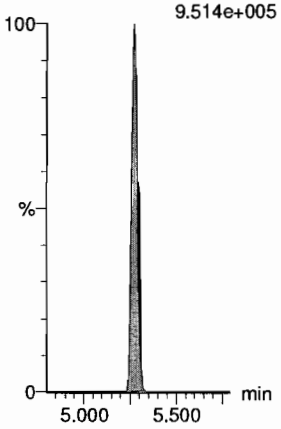

**13C9-PFNA**



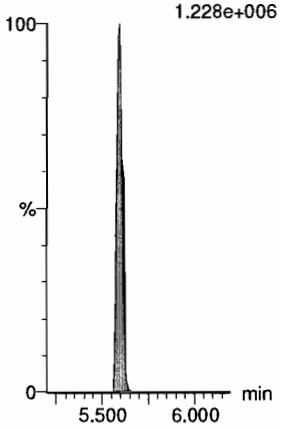

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Vista Analytical Laboratory

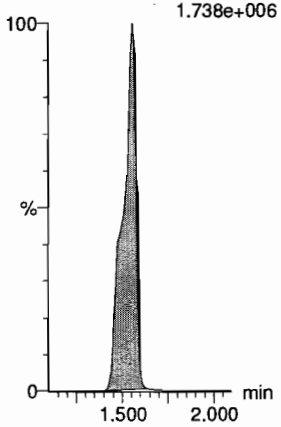
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

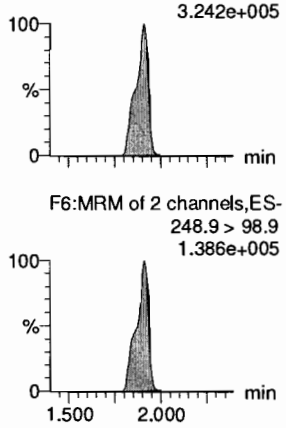
**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

3 3
7/30/19 7/30/19

**PFBA**



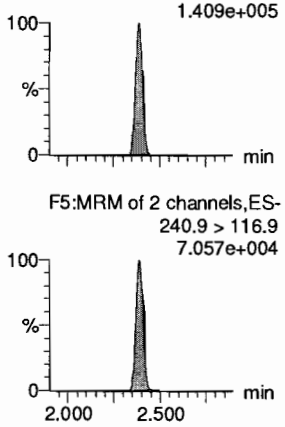

**PFPrS**







**3:3 FTCA**







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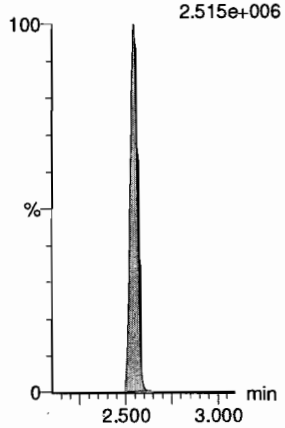
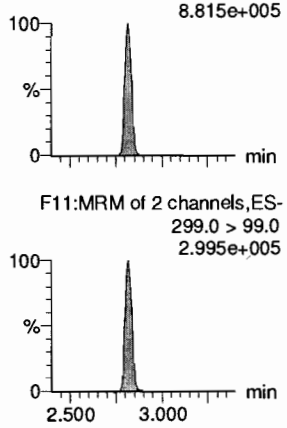


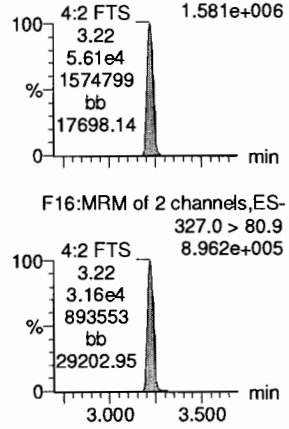

**PFBS**







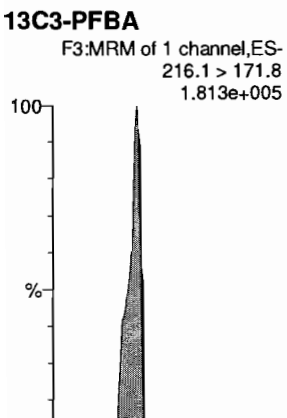
**4:2 FTS**



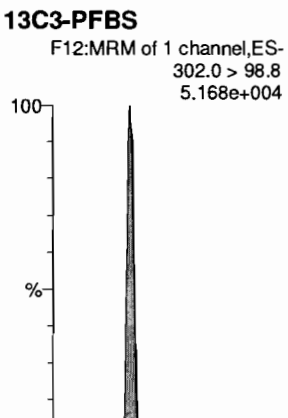




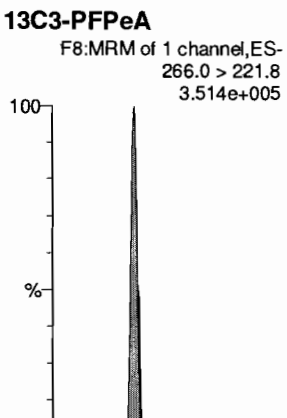
**13C3-PFBA**



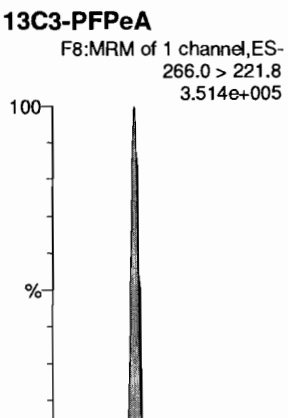

**13C3-PFBS**




**13C3-PFPeA**




**13C3-PFPeA**

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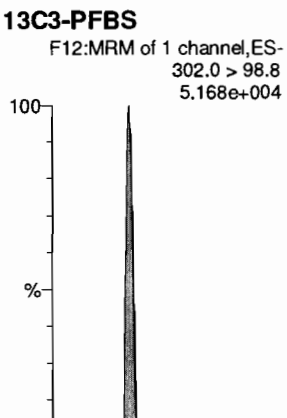
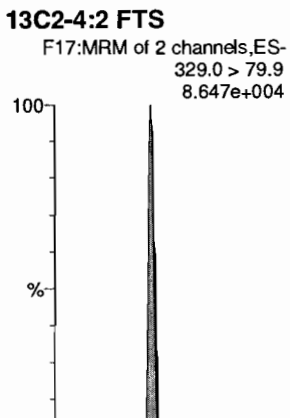



**13C2-4:2 FTS**

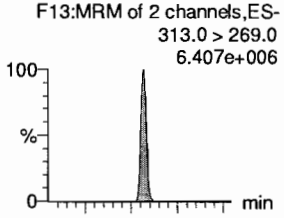


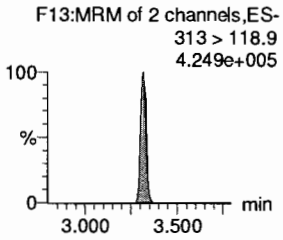
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

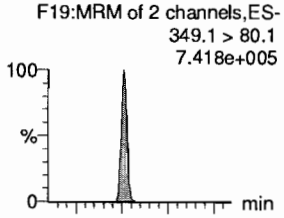
**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

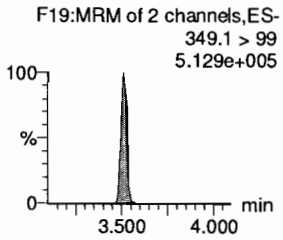
**PFHxA**



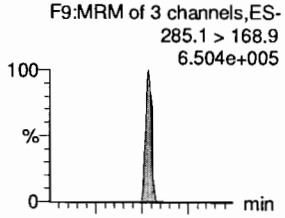



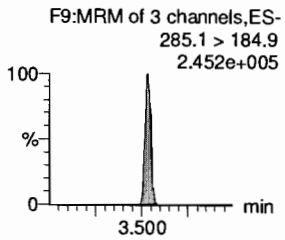

**PFPeS**



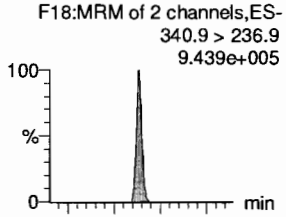



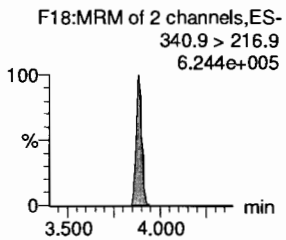

**HFPO-DA**



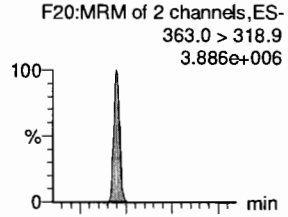



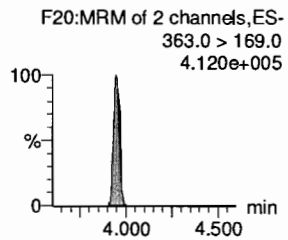

**5:3 FTCA**



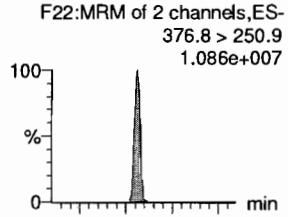



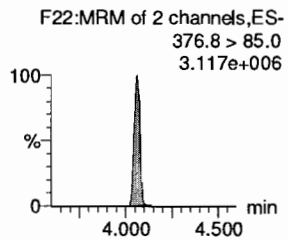

**PFHpA**




**ADONA**

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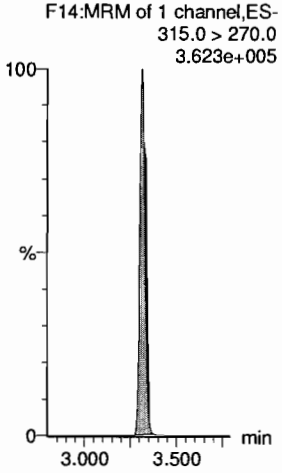
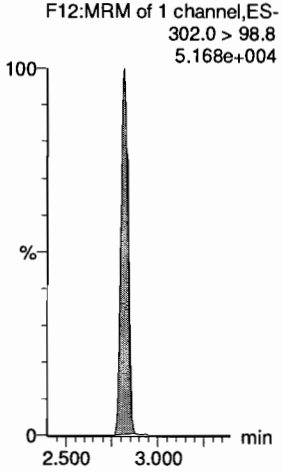
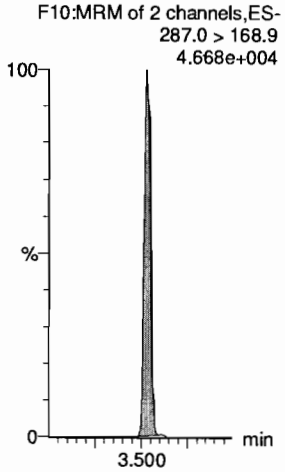


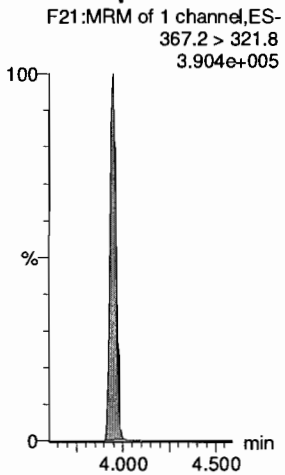

**13C3-PFBS**



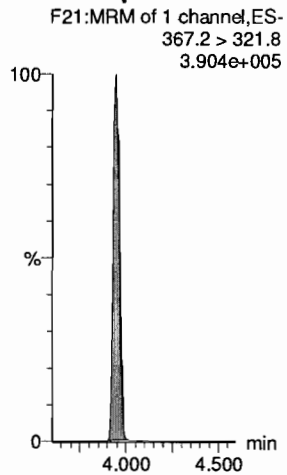

**13C3-HFPO-DA**



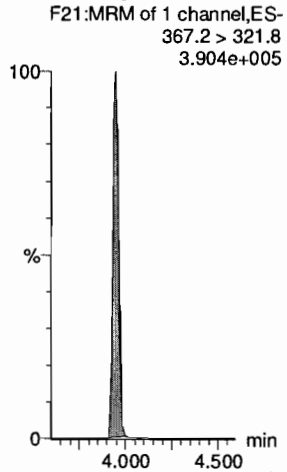

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

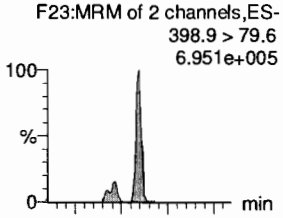


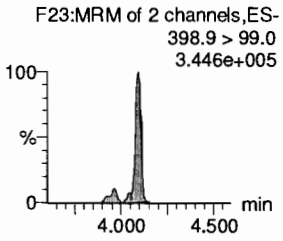
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

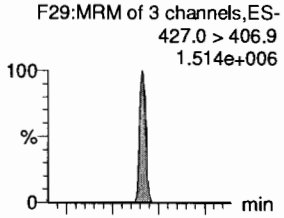
**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

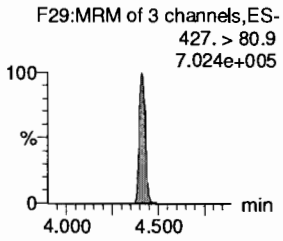
**L-PFHxS**




**6:2 FTS**

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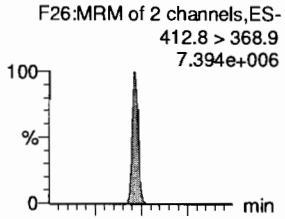
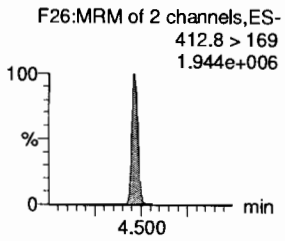
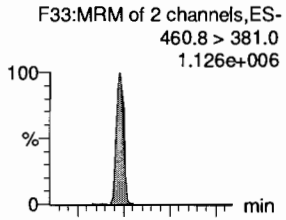
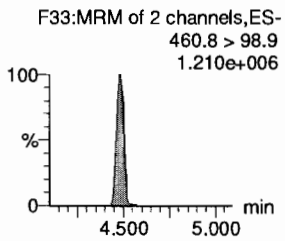


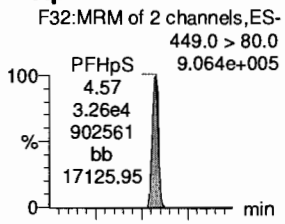



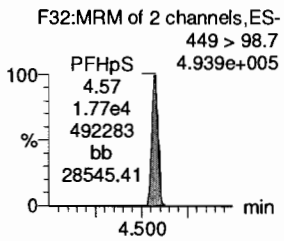

**PFEChS**



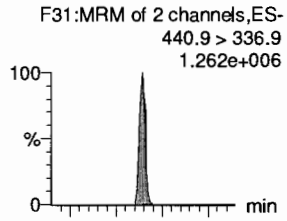



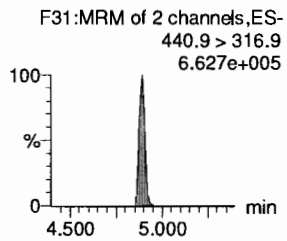

**PFHpS**



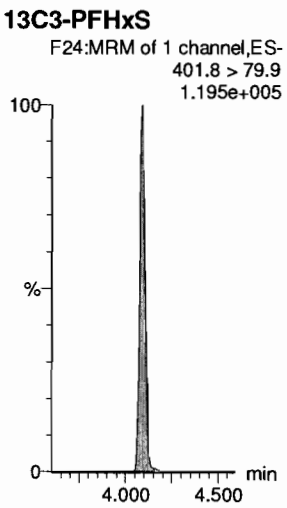




**7:3 FTCA**

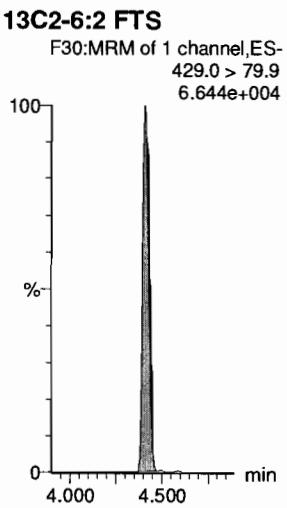


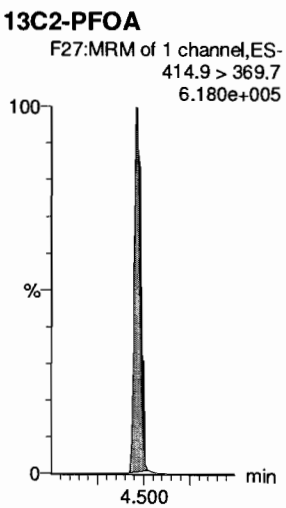

**13C3-PFHxS**



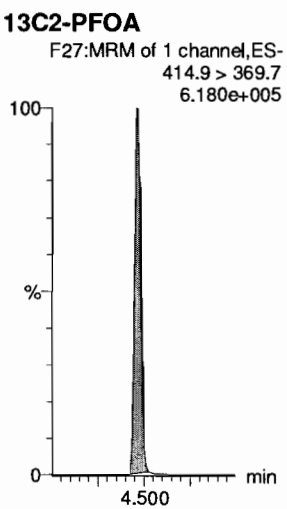

**13C2-6:2 FTS**



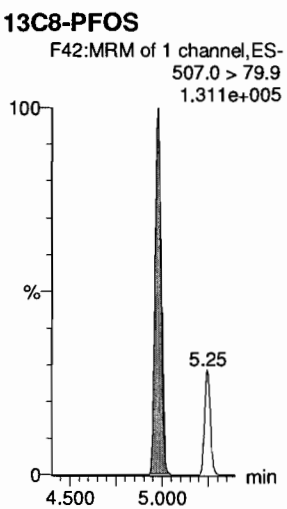

**13C2-PFOA**



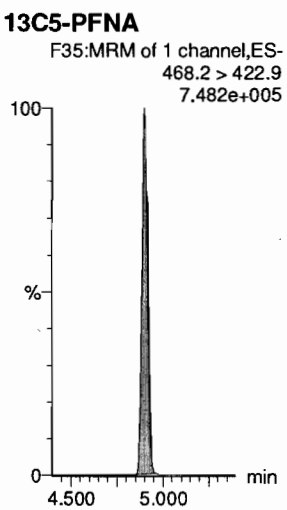

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

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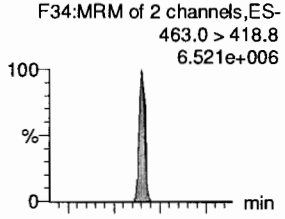
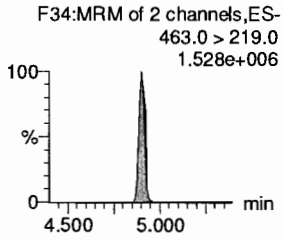
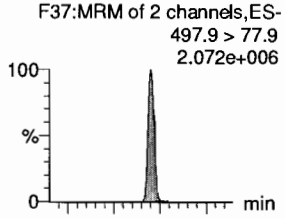
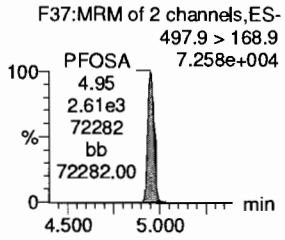


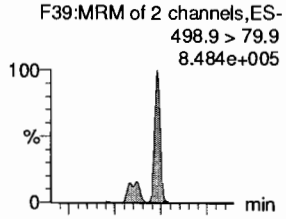



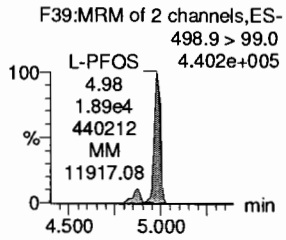

**PFOSA**



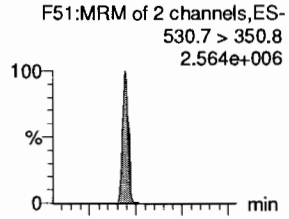



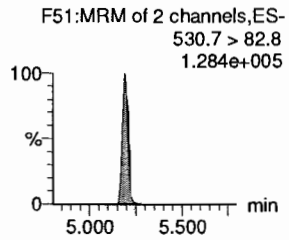

**L-PFOS**



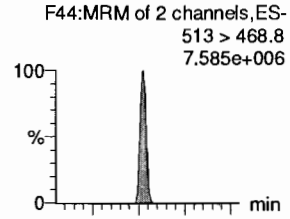



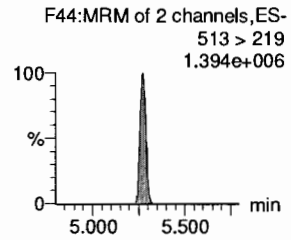

**9Cl-PF30NS**



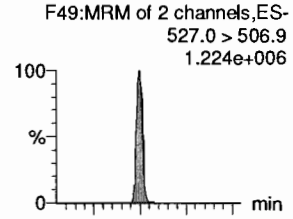



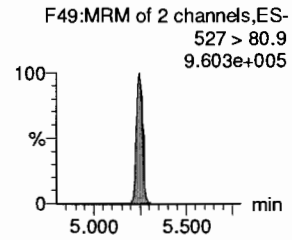

**PFDA**



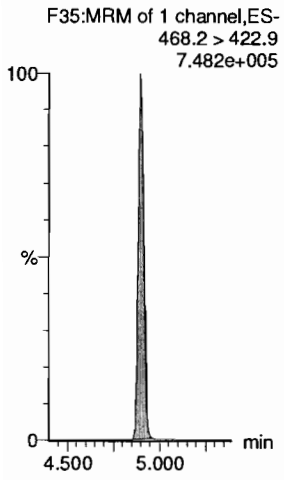




**8:2 FTS**

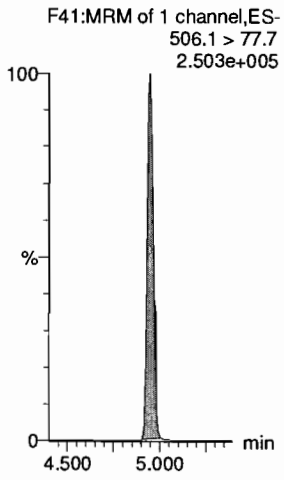


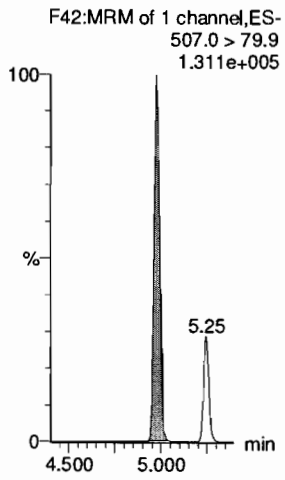

**13C5-PFNA**



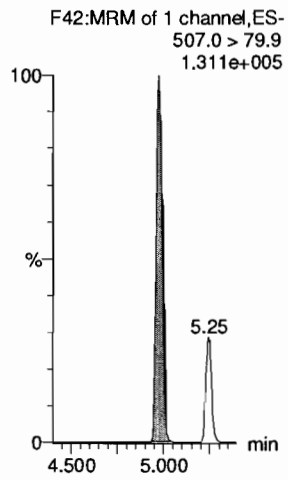

**13C8-PFOSA**



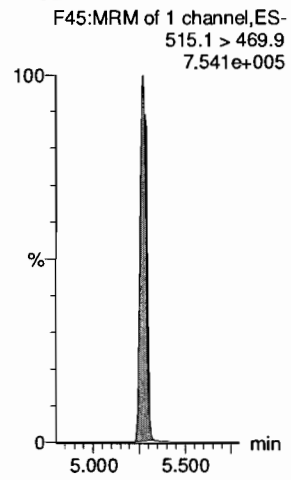

**13C8-PFOS**




**13C8-PFOS**




**13C2-PFDA**

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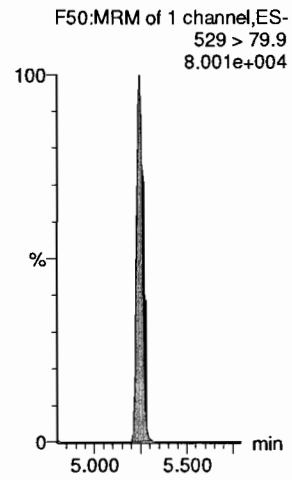
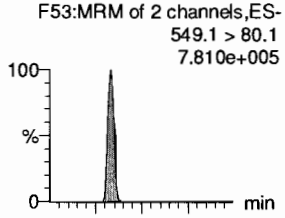


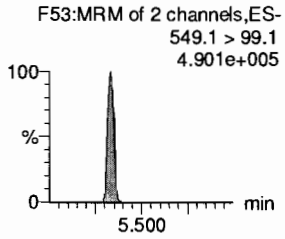
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

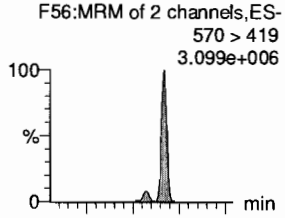
**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

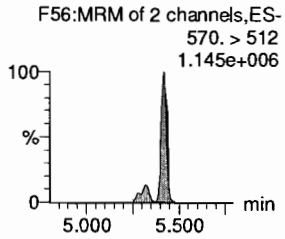
**PFNS**



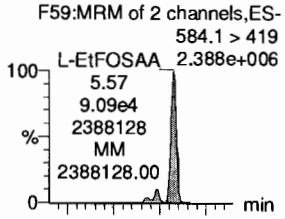



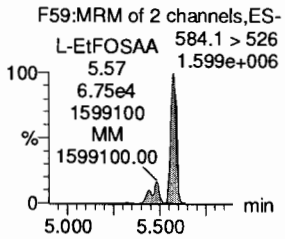

**L-MeFOSAA**



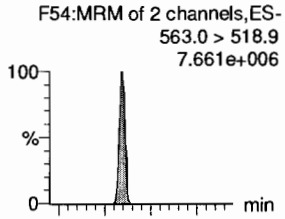



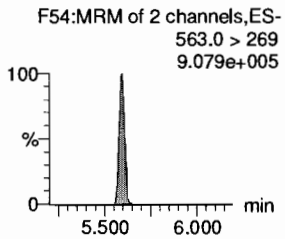

**L-EtFOSAA**



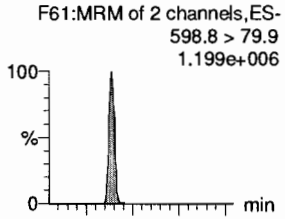



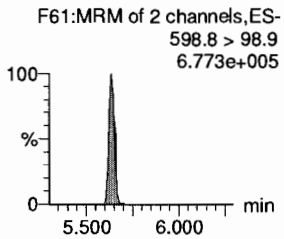

**PFUdA**



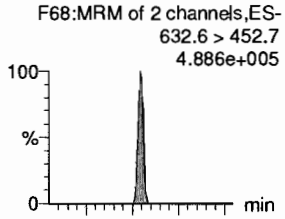



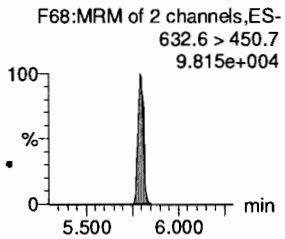

**PFDS**



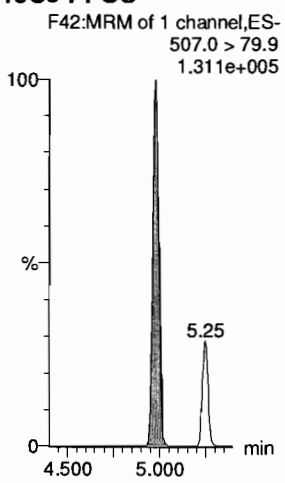




**11Cl-PF30UdS**

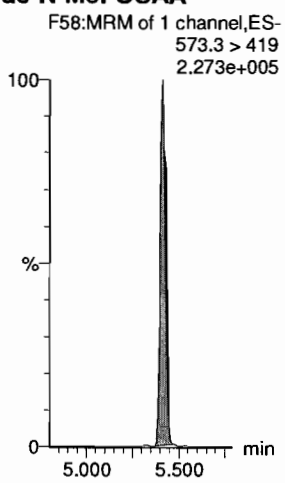


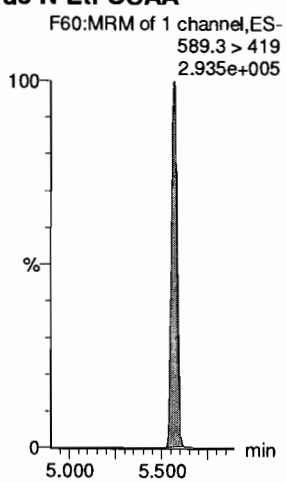

**13C8-PFOS**



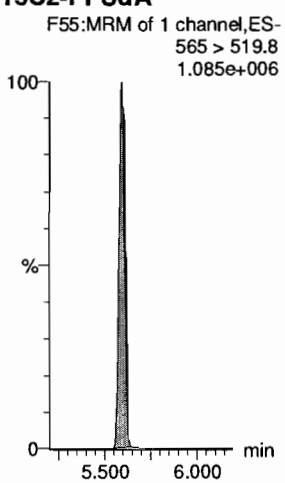

**d3-N-MeFOSAA**



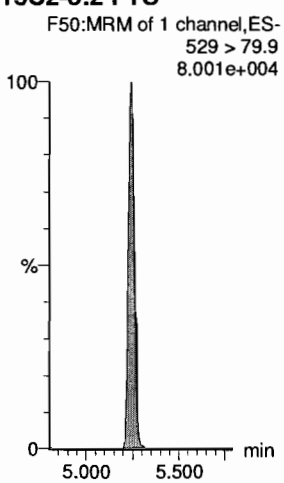

**d5-N-EtFOSAA**



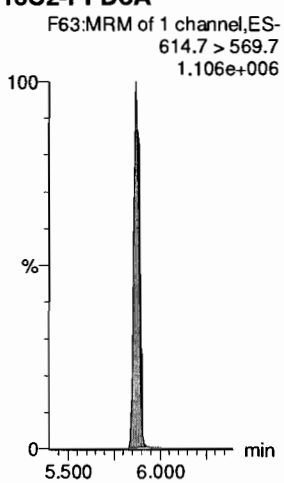

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

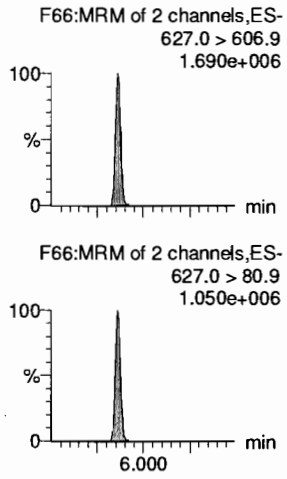


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

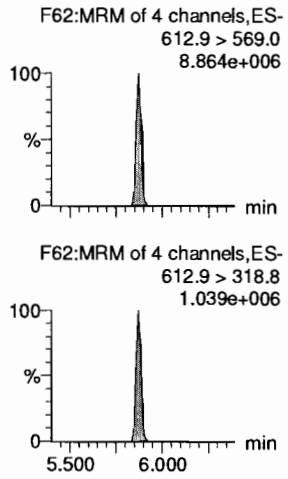
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

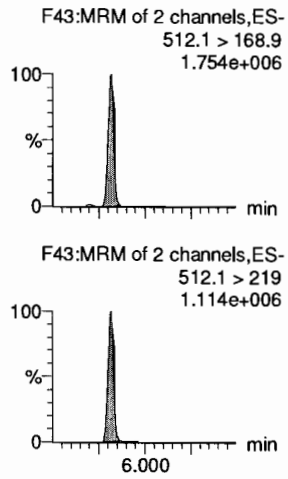
**10:2 FTS**



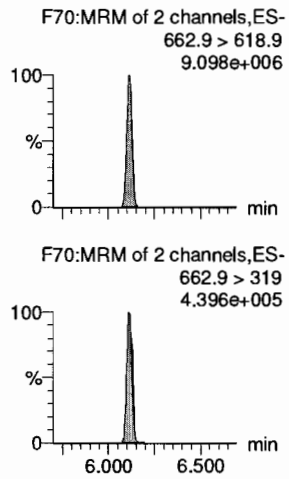

**PFDoA**



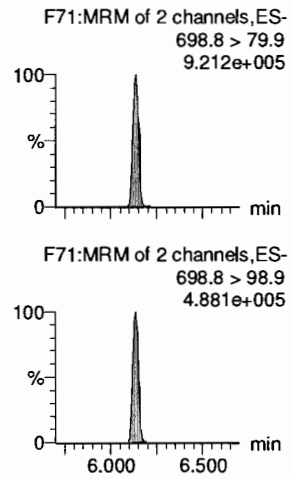

**N-MeFOSA**



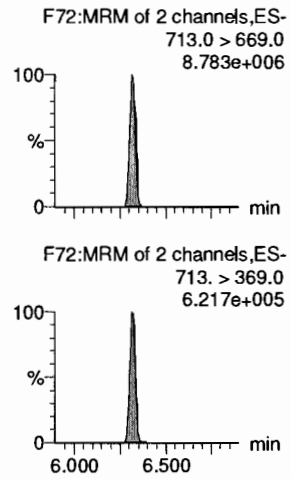

**PFTrDA**



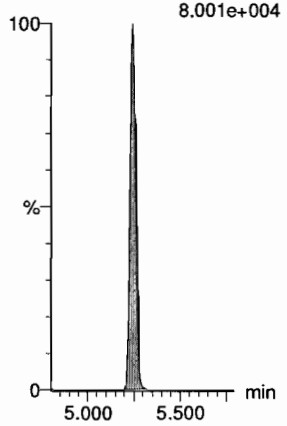

**PFDoS**



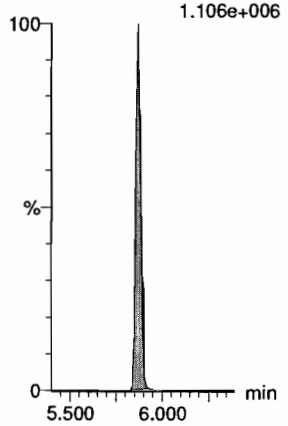

**PFTeDA**



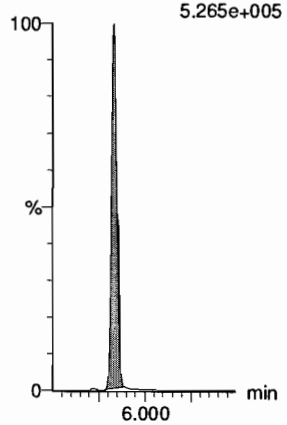

**13C2-8:2 FTS**



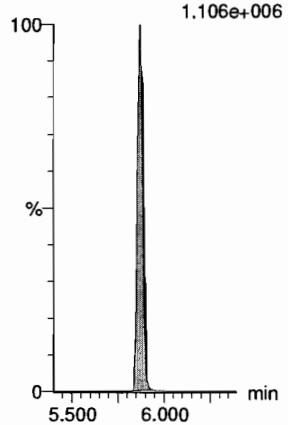

**13C2-PFDoA**



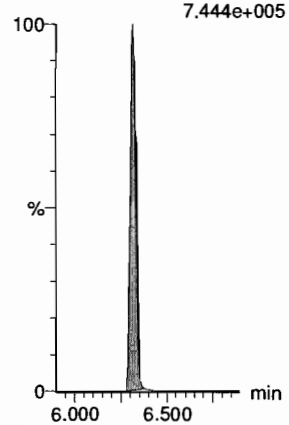

**d3-N-MeFOSA**



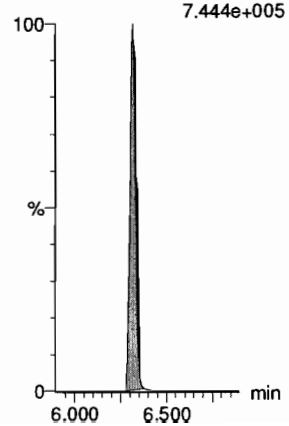

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

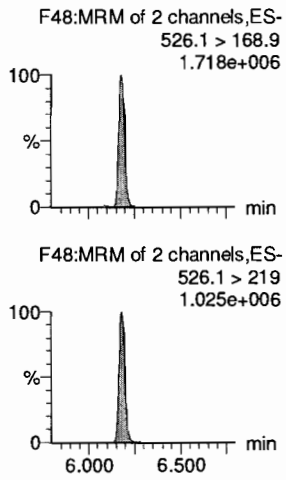


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

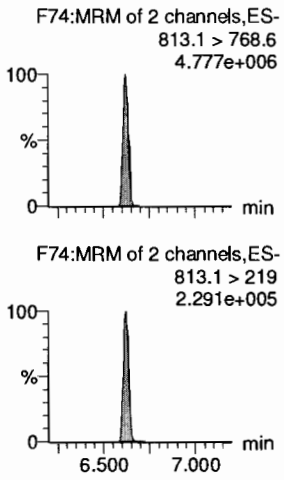
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

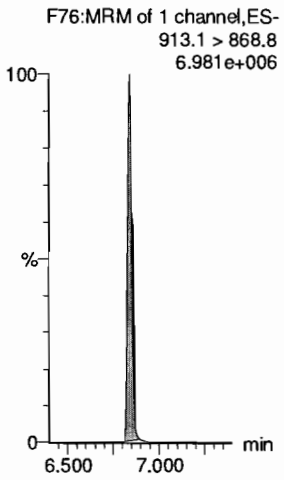
**N-EtFOSA**



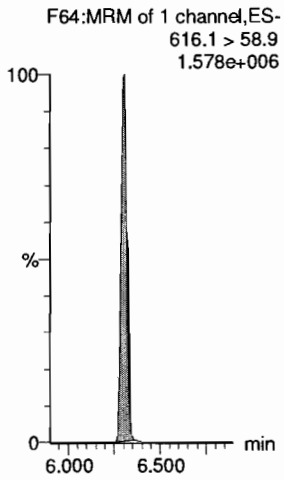

**PFHxDA**



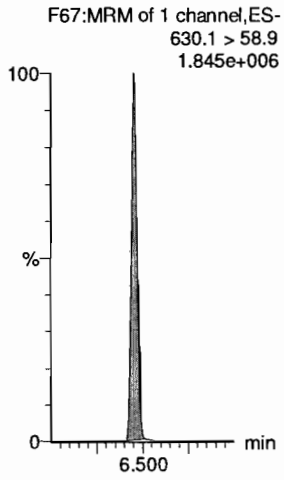

**PFODA**



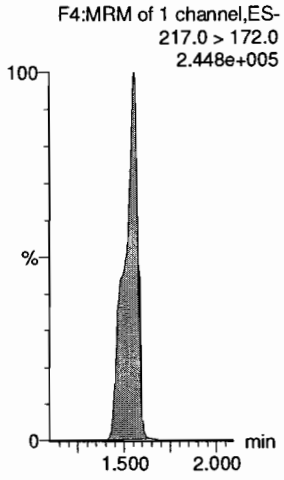

**N-MeFOSE**



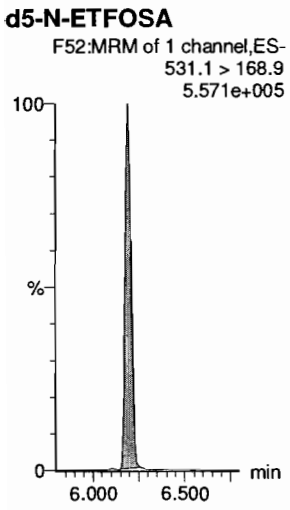

**N-EtFOSE**



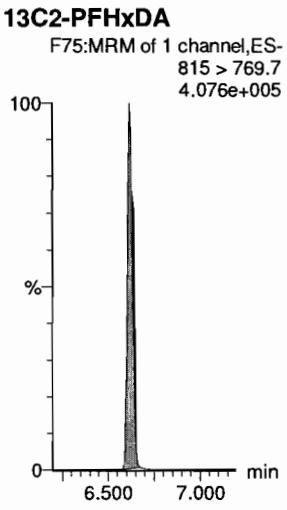

**13C4-PFBA**



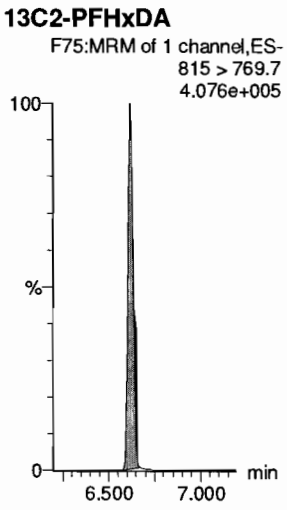

**d5-N-ETFOSA**



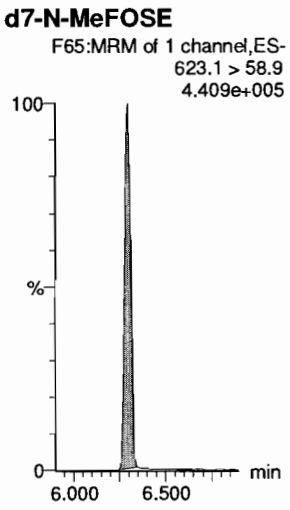

**13C2-PFHxDA**



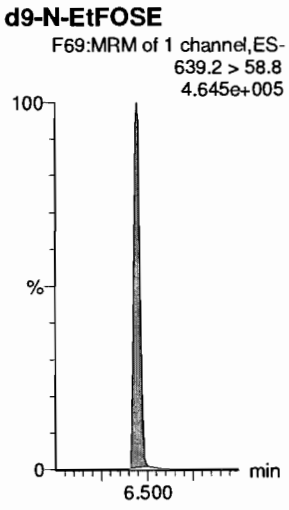

**13C2-PFHxDA**



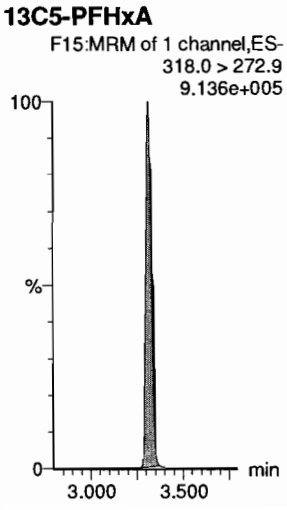

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

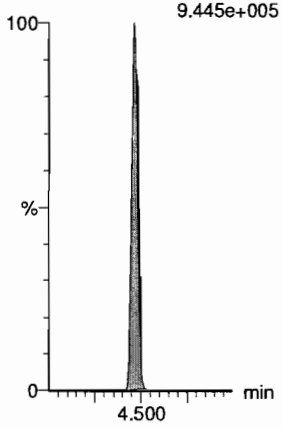


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

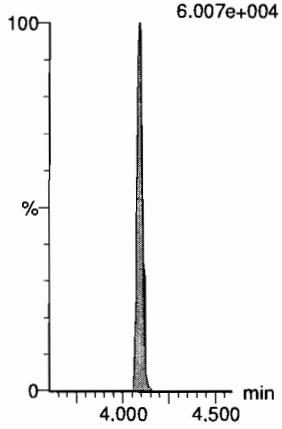
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_11, Date: 29-Jul-2019, Time: 15:37:02, ID: ST190729M1-8 PFC CS5 19G2008, Description: PFC CS5 19G2008**

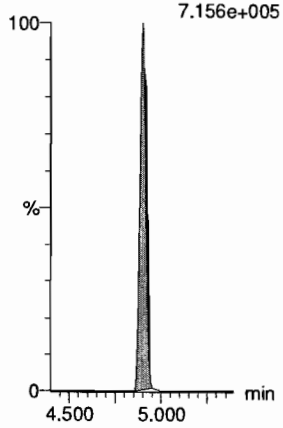
**13C8-PFOA**



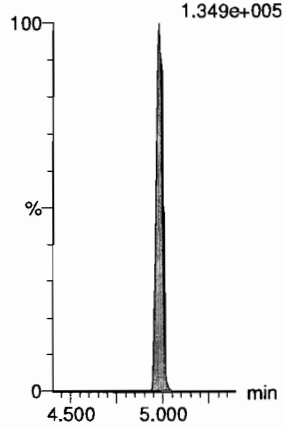

**18O2-PFHxS**



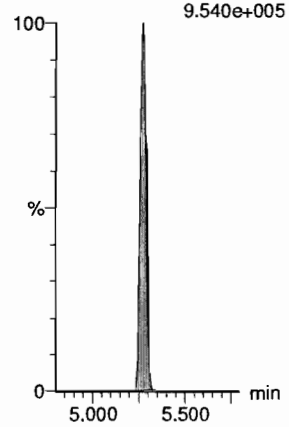

**13C9-PFNA**



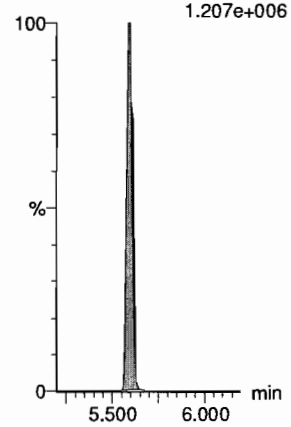

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



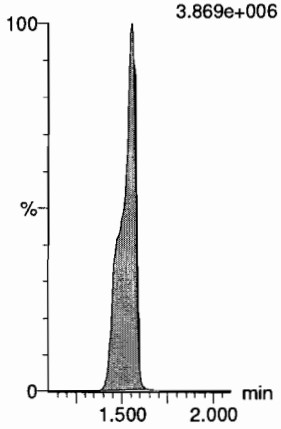
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

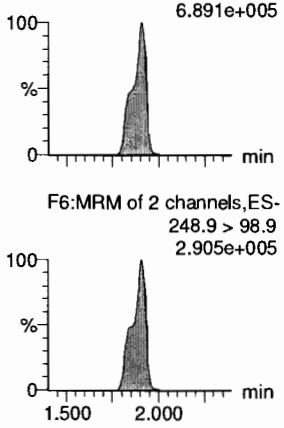
**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

3 3
sm 7/30/19 sm 7/30/19

**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
3.869e+006



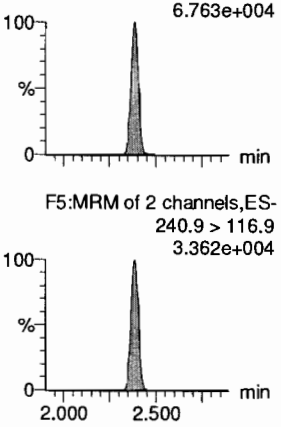

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
6.891e+005




F6:MRM of 2 channels,ES-
248.9 > 98.9
2.905e+005



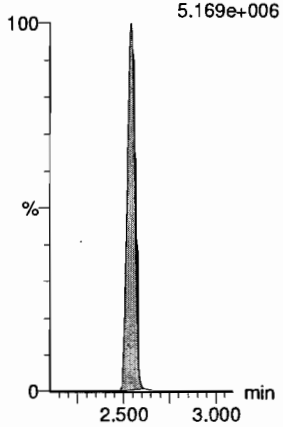

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
6.763e+004



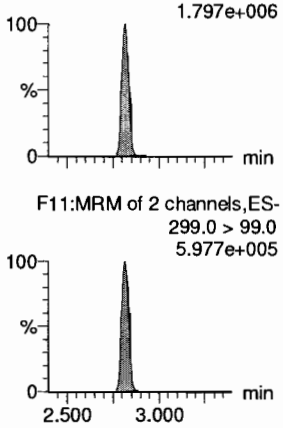

F5:MRM of 2 channels,ES-
240.9 > 116.9
3.362e+004




**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
5.169e+006



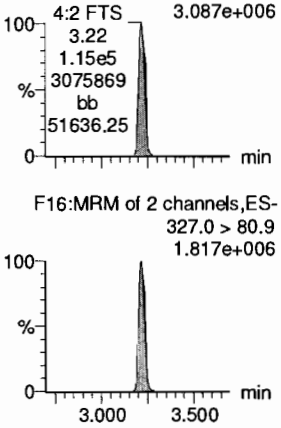

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
1.797e+006




F11:MRM of 2 channels,ES-
299.0 > 99.0
5.977e+005



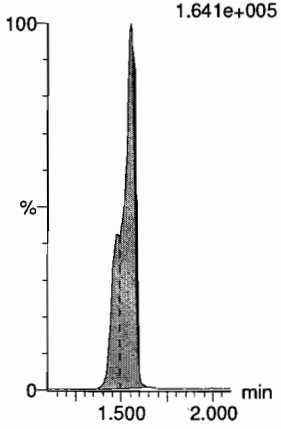

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
3.087e+006



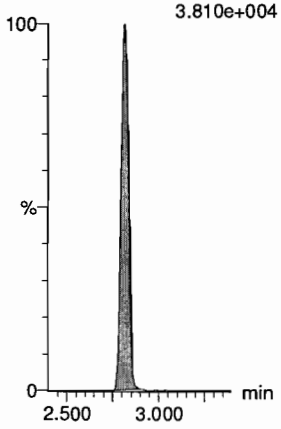

F16:MRM of 2 channels,ES-
327.0 > 80.9
1.817e+006



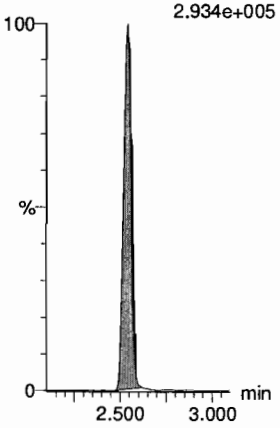

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
1.641e+005



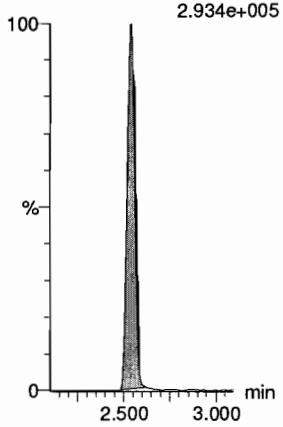

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
3.810e+004



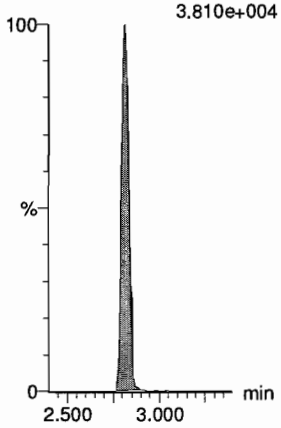

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
2.934e+005



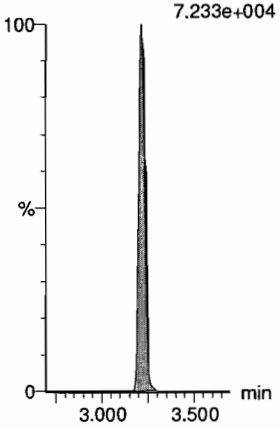

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
2.934e+005




**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
3.810e+004




**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
7.233e+004

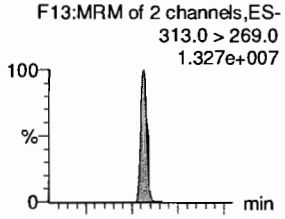


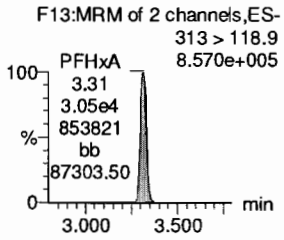
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

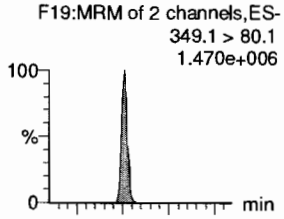
**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

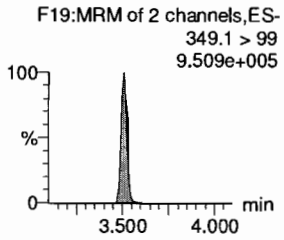
**PFHxA**



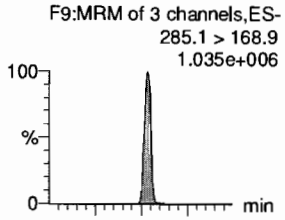



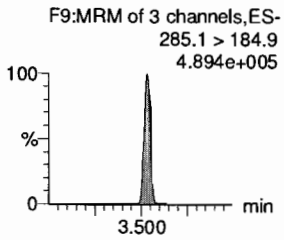

**PFPeS**



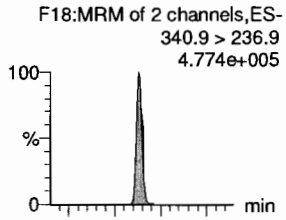



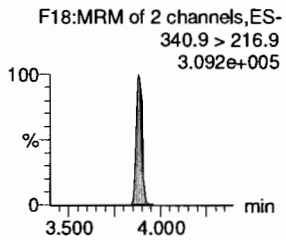

**HFPO-DA**



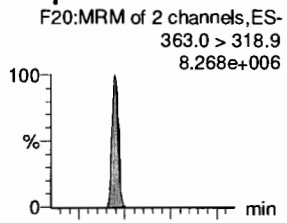



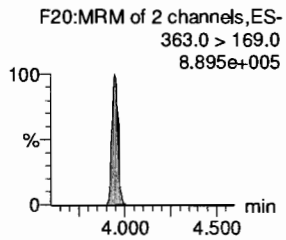

**5:3 FTCA**



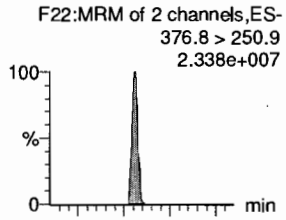



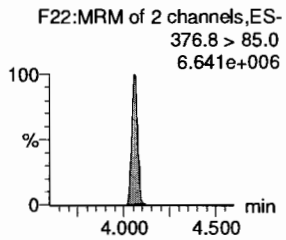

**PFHpA**



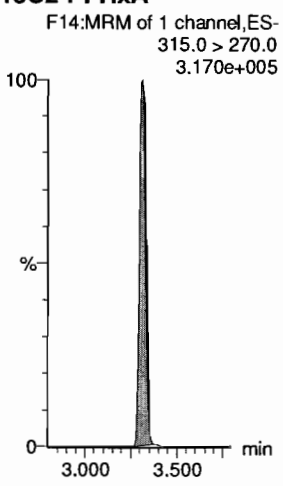




**ADONA**

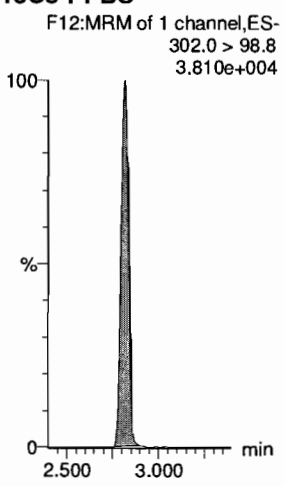


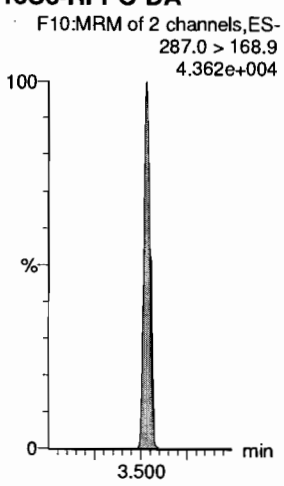

**13C2-PFHxA**



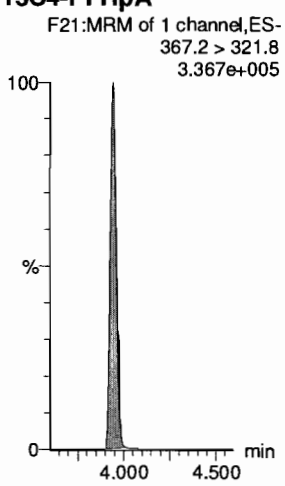

**13C3-PFBS**




**13C3-HFPO-DA**




**13C4-PFHpA**

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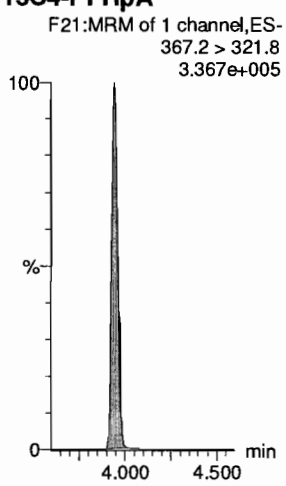


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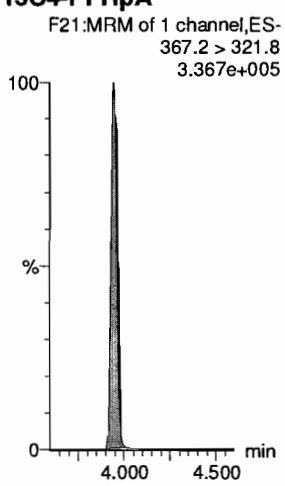
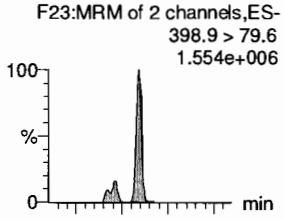


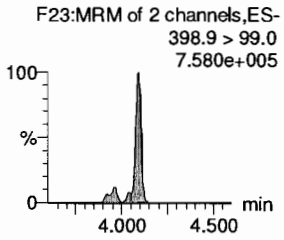
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

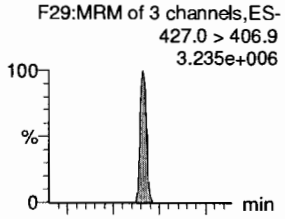
**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

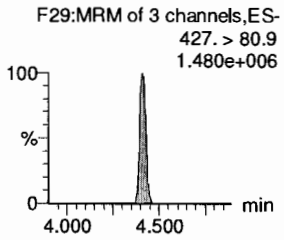
**L-PFHxS**




**6:2 FTS**

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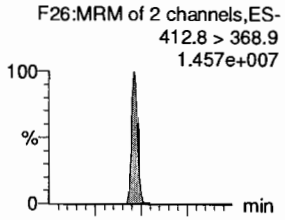
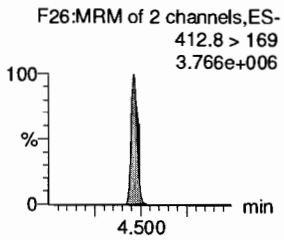
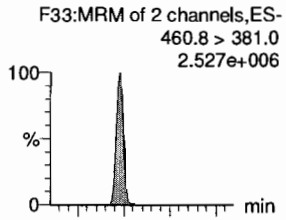
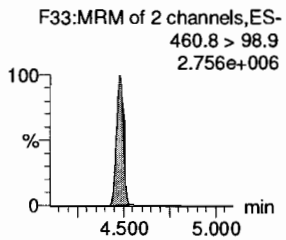


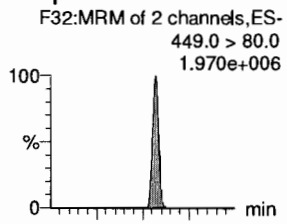



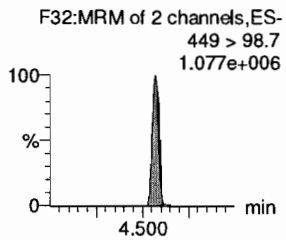

**PFEChS**



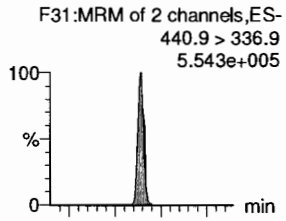



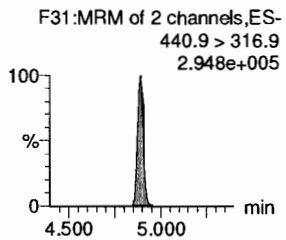

**PFHpS**



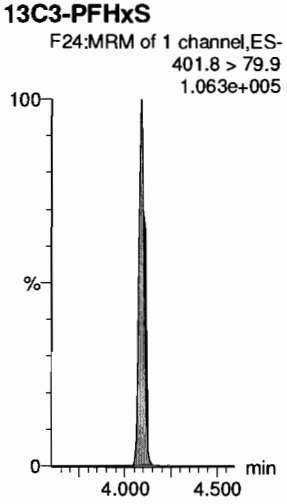




**7:3 FTCA**

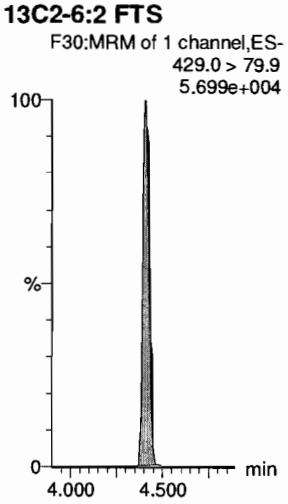


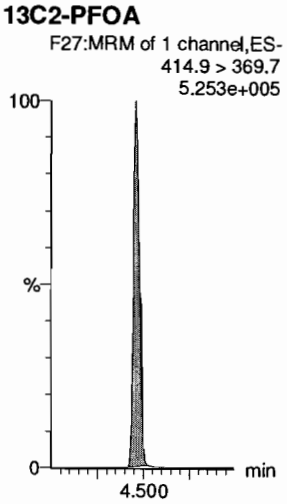

**13C3-PFHxS**



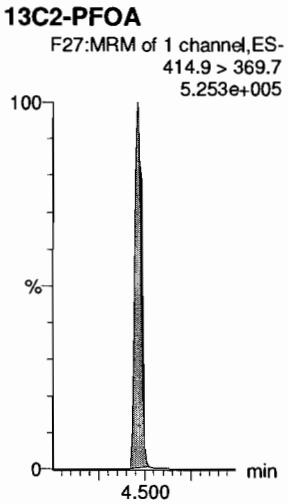

**13C2-6:2 FTS**



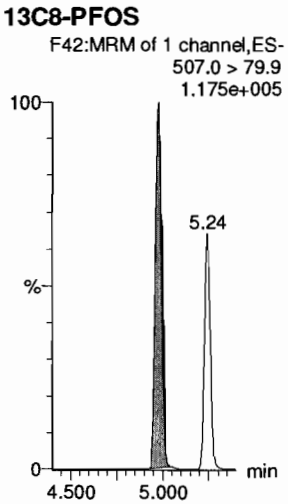

**13C2-PFOA**



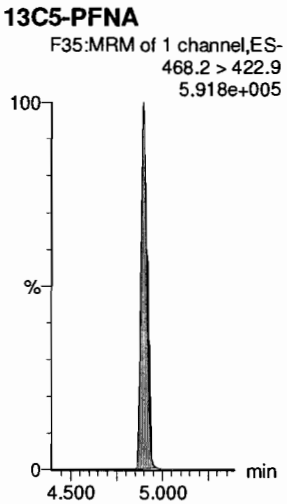

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

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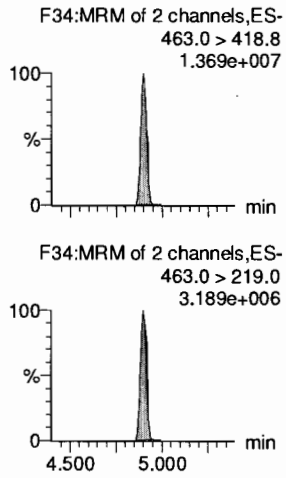
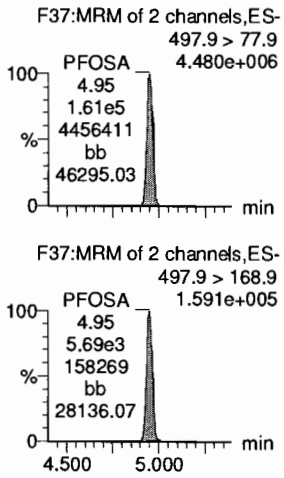
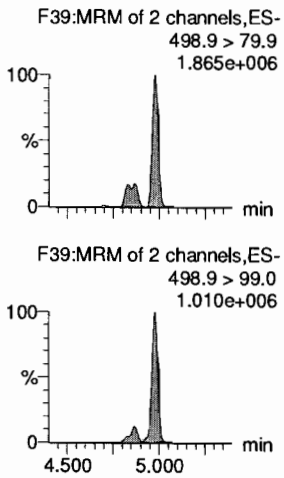


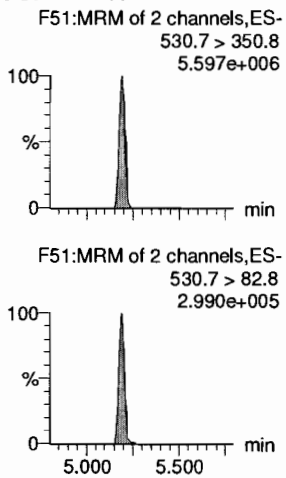

**PFOSA**



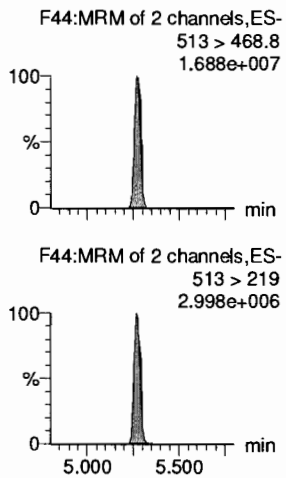

**L-PFOS**



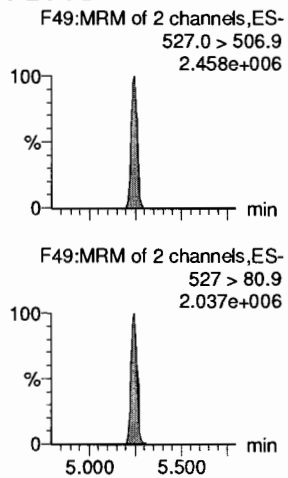

**9Cl-PF30NS**



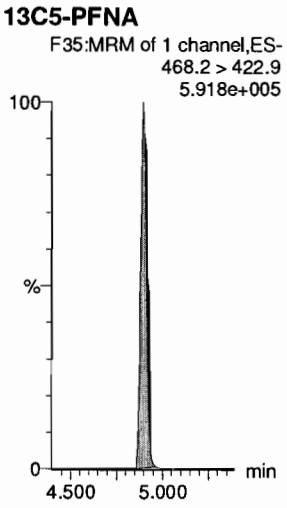

**PFDA**



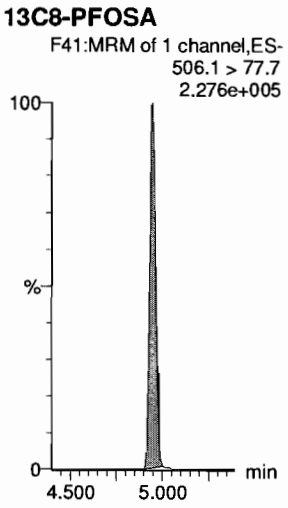

**8:2 FTS**



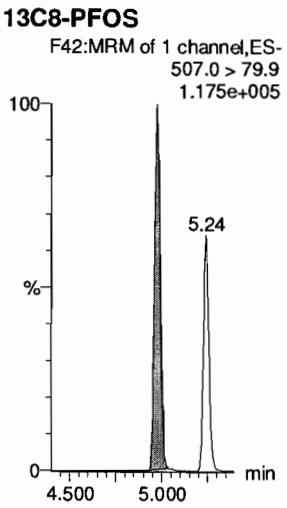

**13C5-PFNA**




**13C8-PFOSA**




**13C8-PFOS**

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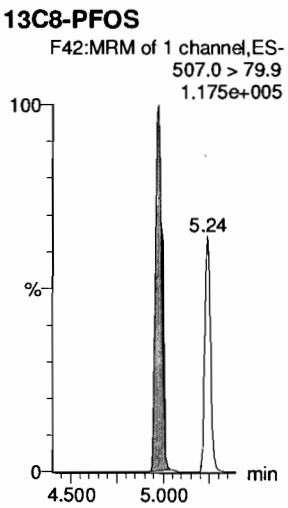
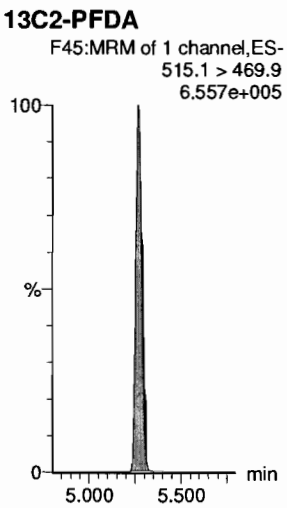
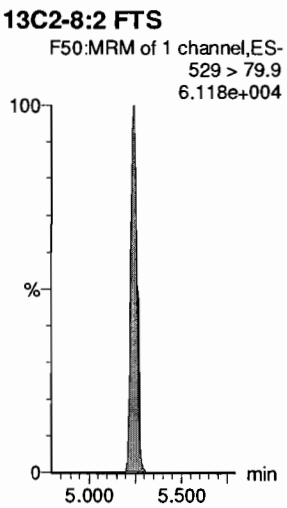



**13C2-PFDA**




**13C2-8:2 FTS**

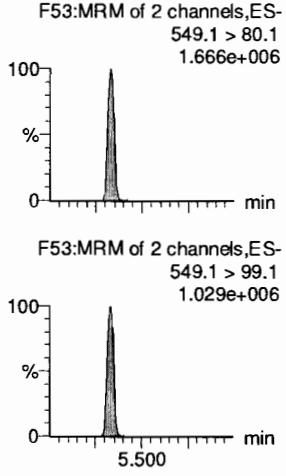


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

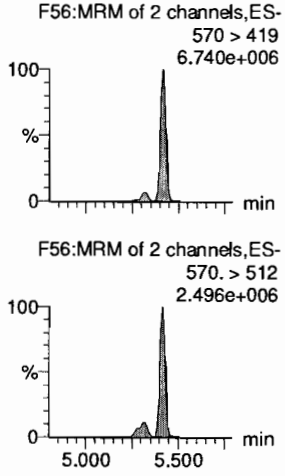
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

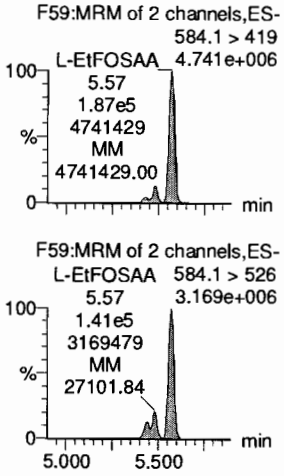
**PFNS**



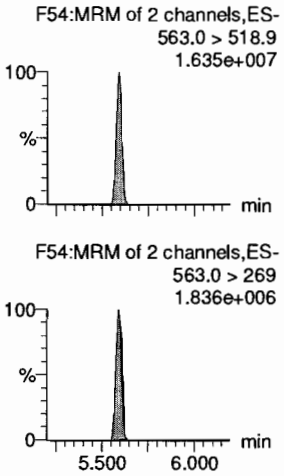

**L-MeFOSAA**




**L-EtFOSAA**




**PFUdA**

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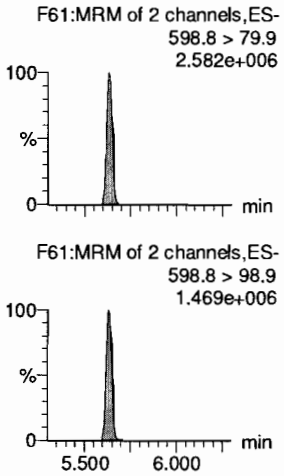
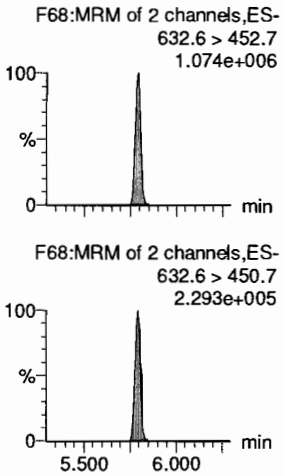
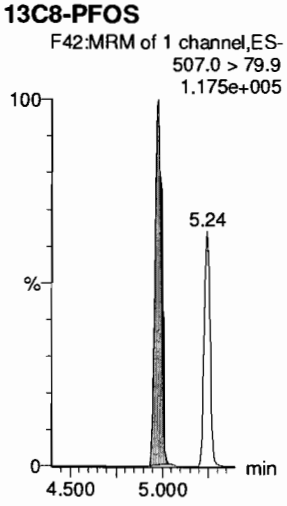


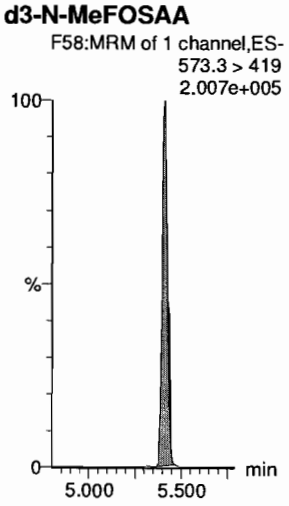

**11Cl-PF30UdS**



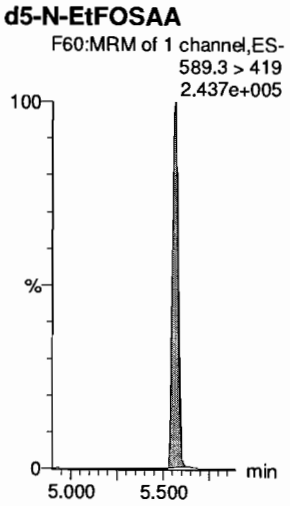

**13C8-PFOS**



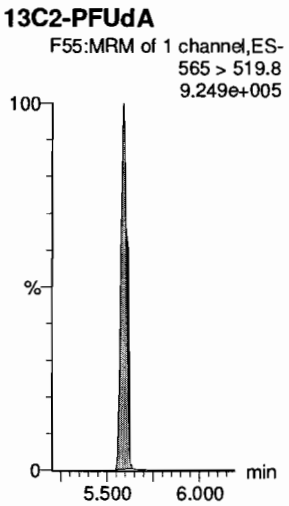

**d3-N-MeFOSAA**



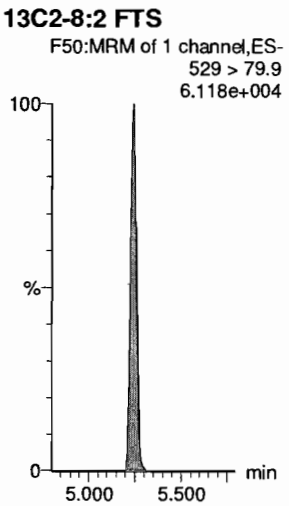

**d5-N-EtFOSAA**



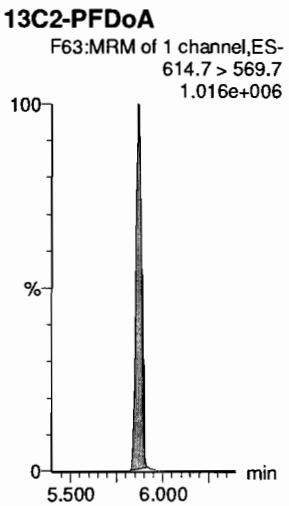

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

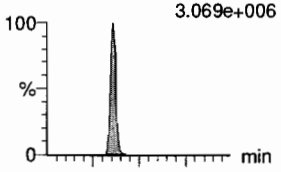


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

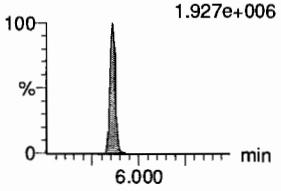
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

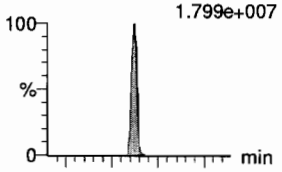
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
3.069e+006



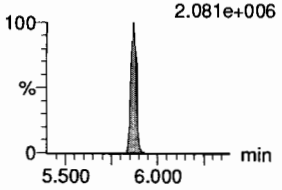

F66:MRM of 2 channels,ES-
627.0 > 80.9
1.927e+006



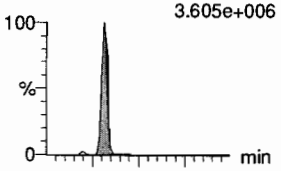

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
1.799e+007



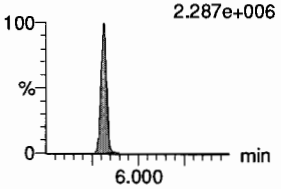

F62:MRM of 4 channels,ES-
612.9 > 318.8
2.081e+006



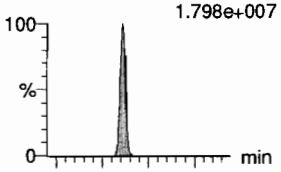

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
3.605e+006



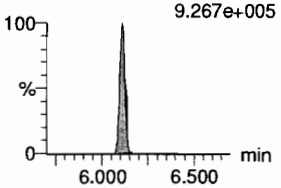

F43:MRM of 2 channels,ES-
512.1 > 219
2.287e+006



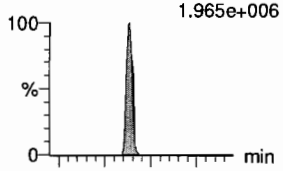

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
1.798e+007



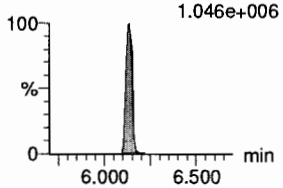

F70:MRM of 2 channels,ES-
662.9 > 319
9.267e+005



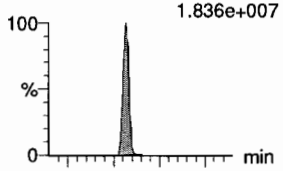

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
1.965e+006



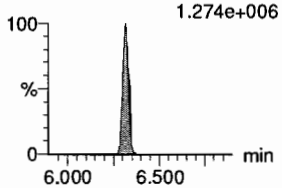

F71:MRM of 2 channels,ES-
698.8 > 98.9
1.046e+006



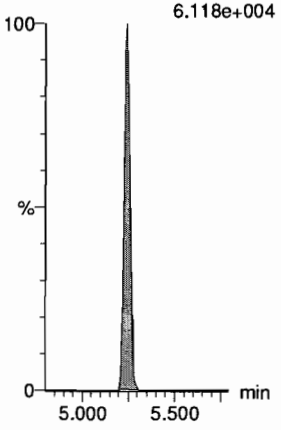

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
1.836e+007



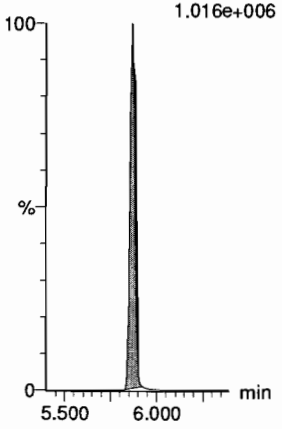

F72:MRM of 2 channels,ES-
713. > 369.0
1.274e+006



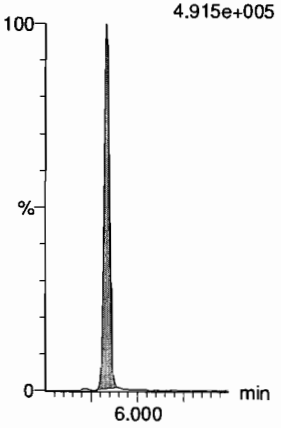

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
6.118e+004



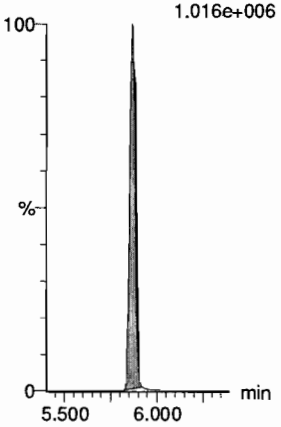

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.016e+006



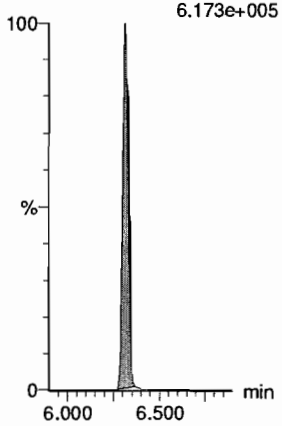

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
4.915e+005



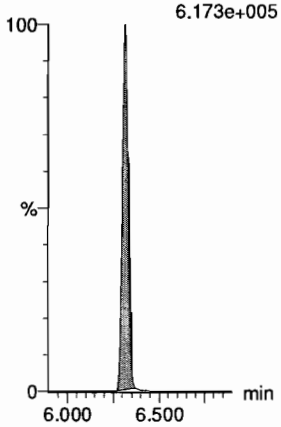

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.016e+006




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.173e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.173e+005

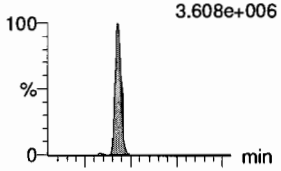


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

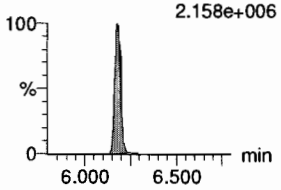
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

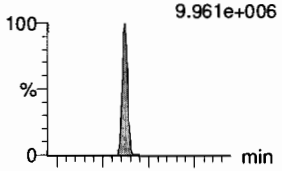
**N-EtFOSA**
F48:MRM of 2 channels,ES-
526.1 > 168.9
3.608e+006



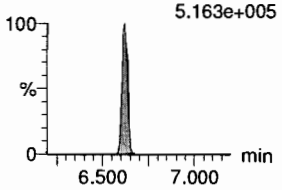
F48:MRM of 2 channels,ES-
526.1 > 219
2.158e+006



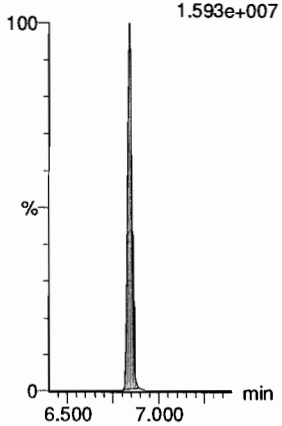

**PFHxDA**
F74:MRM of 2 channels,ES-
813.1 > 768.6
9.961e+006



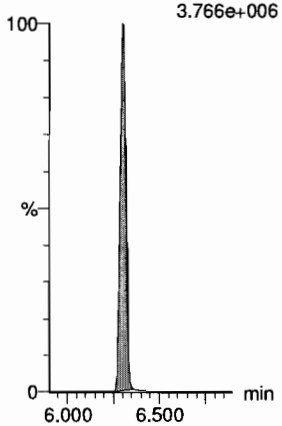
F74:MRM of 2 channels,ES-
813.1 > 219
5.163e+005



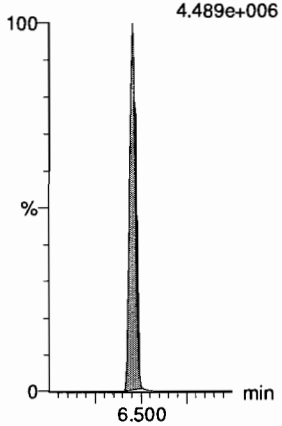

**PFODA**
F76:MRM of 1 channel,ES-
913.1 > 868.8
1.593e+007



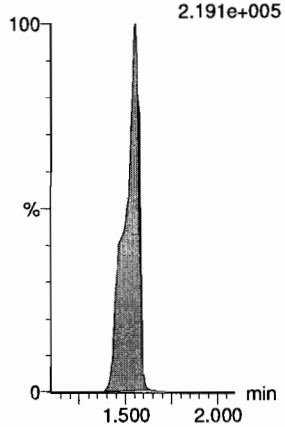

**N-MeFOSE**
F64:MRM of 1 channel,ES-
616.1 > 58.9
3.766e+006



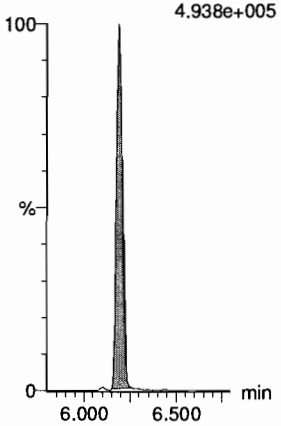

**N-EtFOSE**
F67:MRM of 1 channel,ES-
630.1 > 58.9
4.489e+006



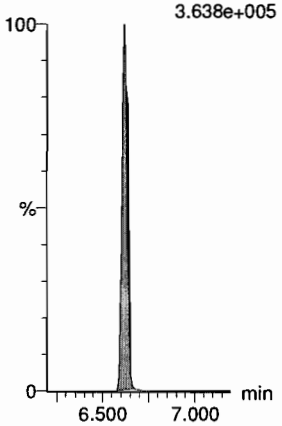

**13C4-PFBA**
F4:MRM of 1 channel,ES-
217.0 > 172.0
2.191e+005



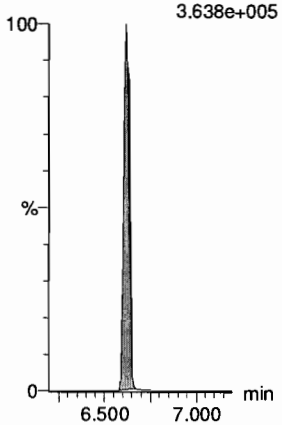

**d5-N-ETFOSA**
F52:MRM of 1 channel,ES-
531.1 > 168.9
4.938e+005



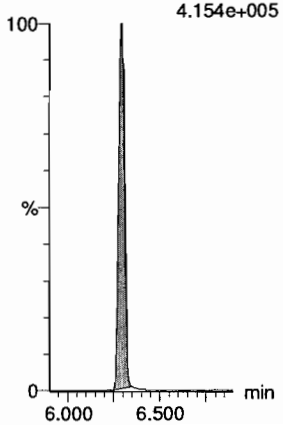

**13C2-PFHxDA**
F75:MRM of 1 channel,ES-
815 > 769.7
3.638e+005



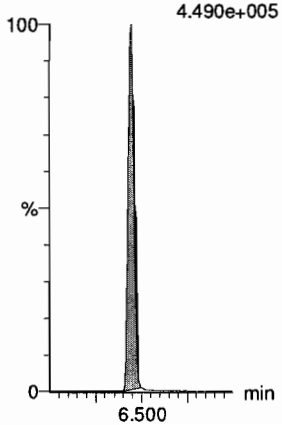

**13C2-PFHxDA**
F75:MRM of 1 channel,ES-
815 > 769.7
3.638e+005



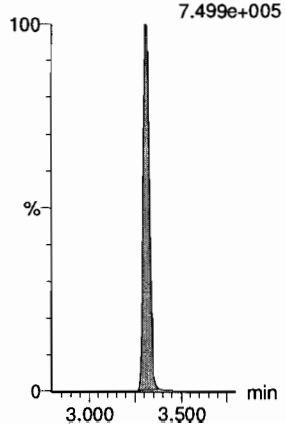

**d7-N-MeFOSE**
F65:MRM of 1 channel,ES-
623.1 > 58.9
4.154e+005




**d9-N-EtFOSE**
F69:MRM of 1 channel,ES-
639.2 > 58.8
4.490e+005




**13C5-PFHxA**
F15:MRM of 1 channel,ES-
318.0 > 272.9
7.499e+005

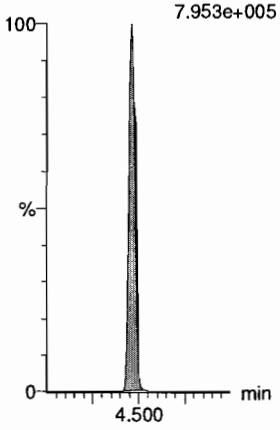


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

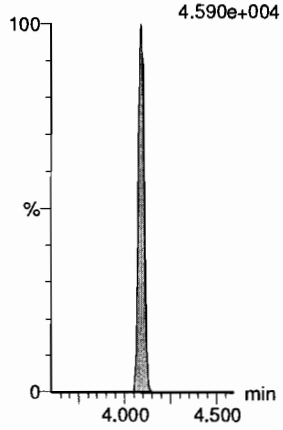
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_12, Date: 29-Jul-2019, Time: 15:47:34, ID: ST190729M1-9 PFC CS6 19G2009, Description: PFC CS6 19G2009**

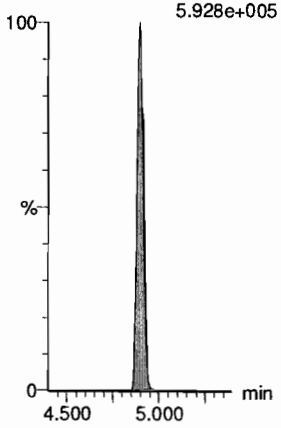
**13C8-PFOA**



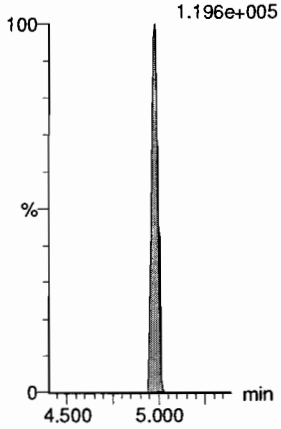

**18O2-PFHxS**



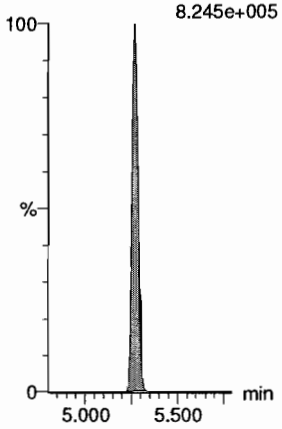

**13C9-PFNA**



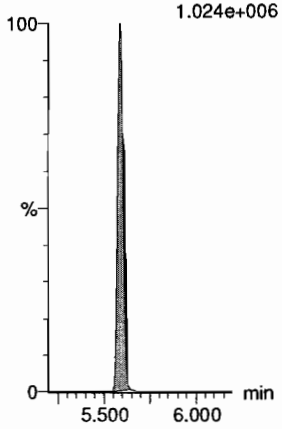

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



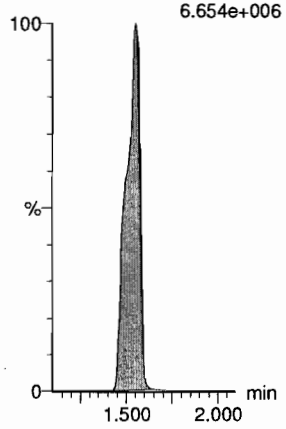
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

3 3
CM 7/30/19 EM 7/30/19

**PFBA**

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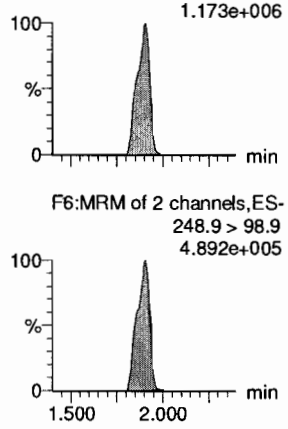
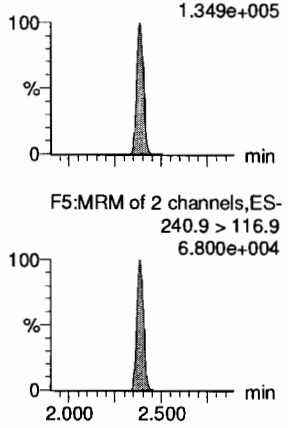
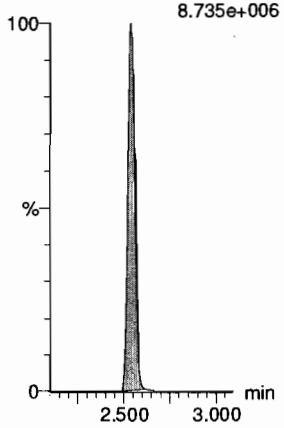



**3:3 FTCA**




**PFPeA**

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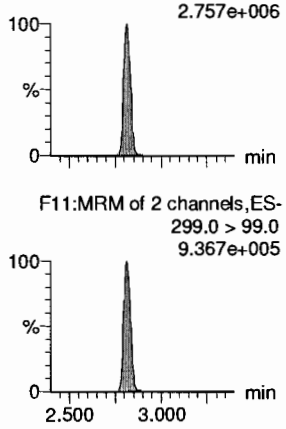
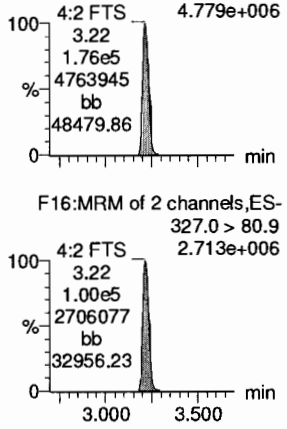
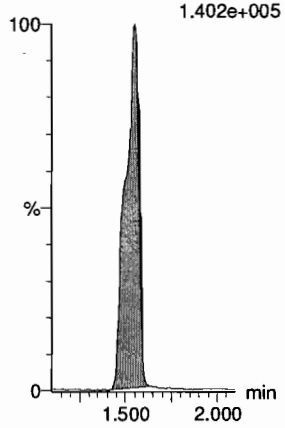



**4:2 FTS**




**13C3-PFBA**

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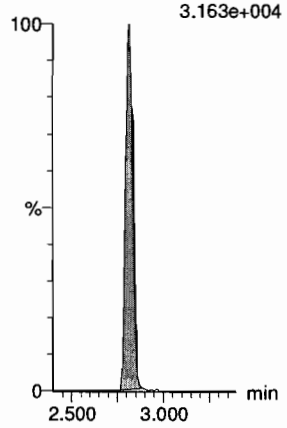


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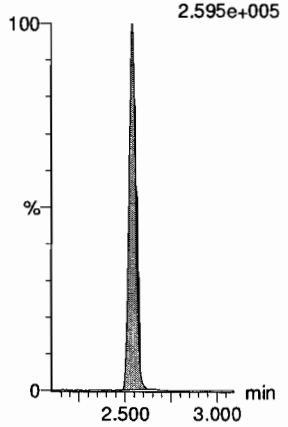


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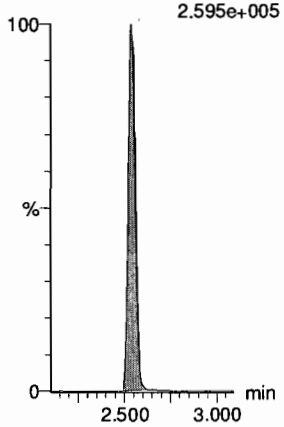
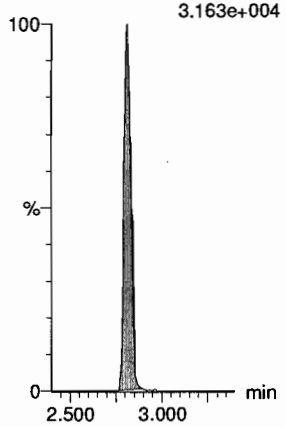
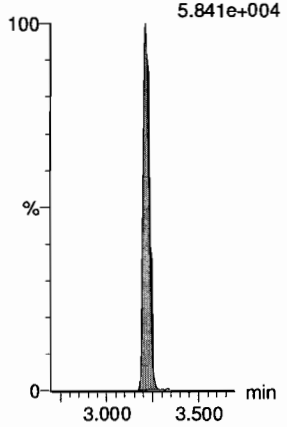



**13C3-PFBS**




**13C2-4:2 FTS**

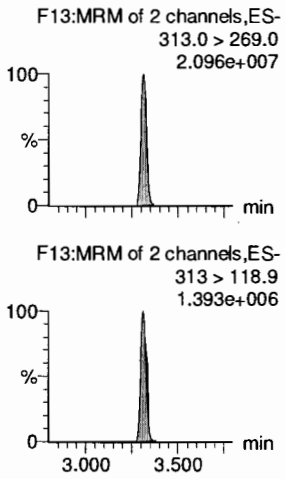


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

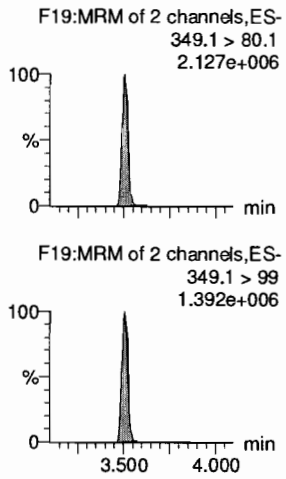
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

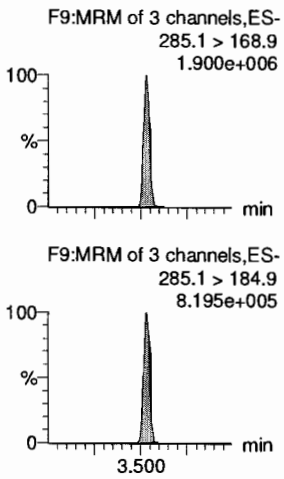
**PFHxA**



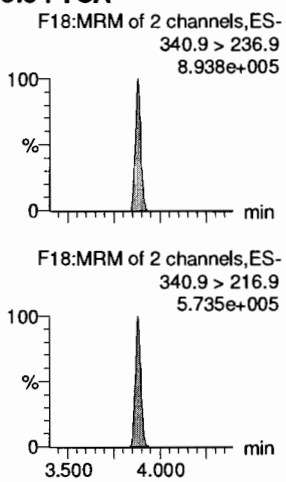

**PFPeS**




**HFPO-DA**




**5:3 FTCA**

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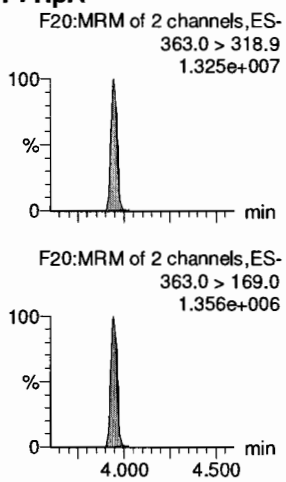
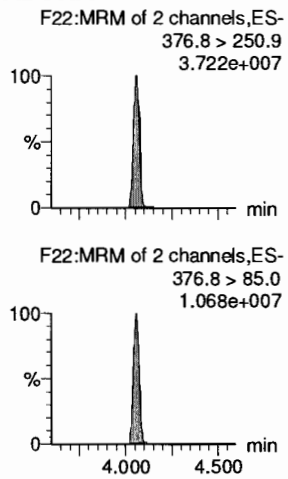
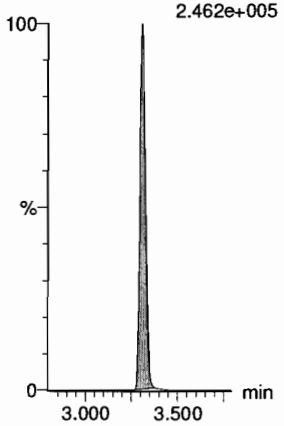


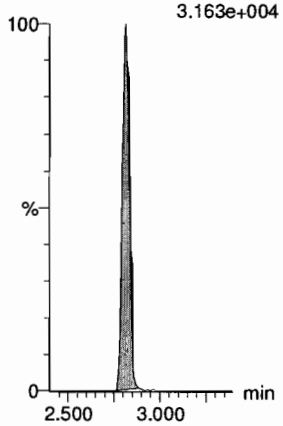

**ADONA**



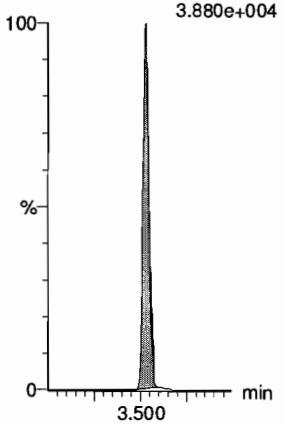

**13C2-PFHxA**




**13C3-PFBS**




**13C3-HFPO-DA**

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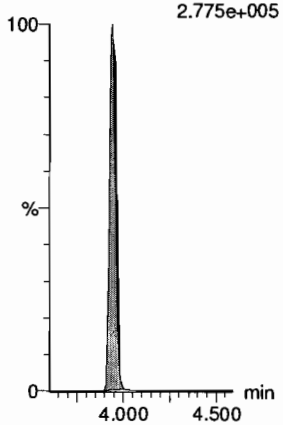


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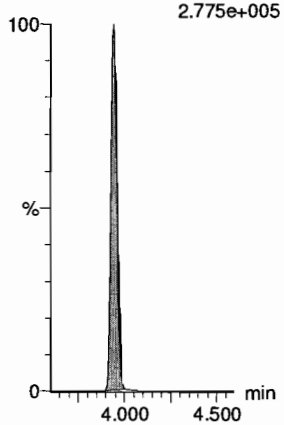


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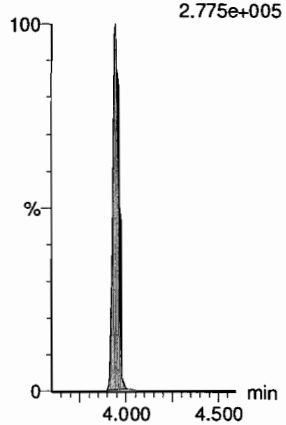
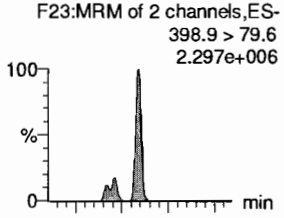


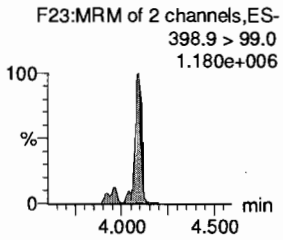
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

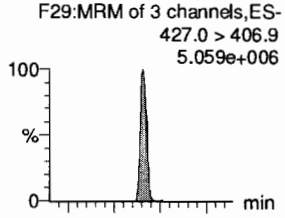
**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

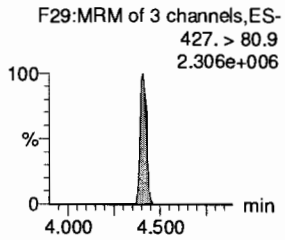
**L-PFHxS**



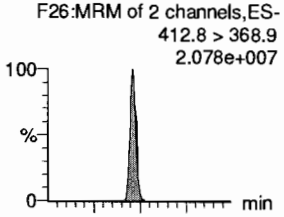



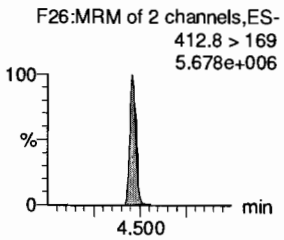

**6:2 FTS**



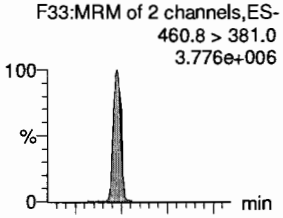



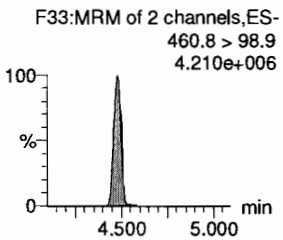

**L-PFOA**



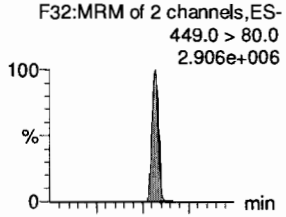



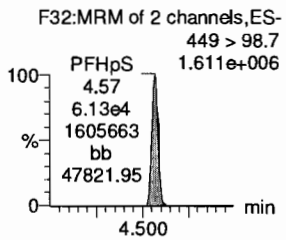

**PFEChS**



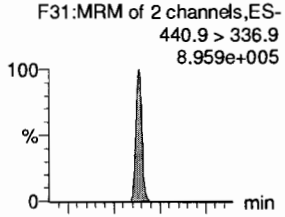



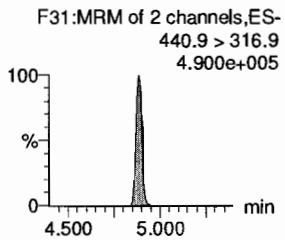

**PFHpS**



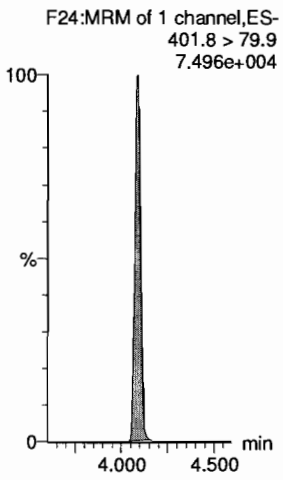




**7:3 FTCA**

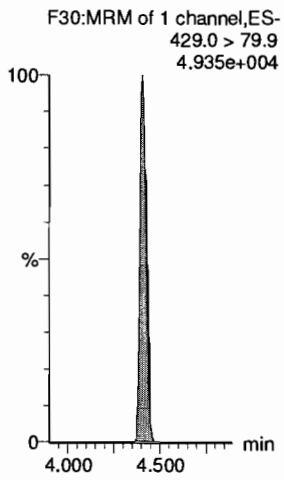


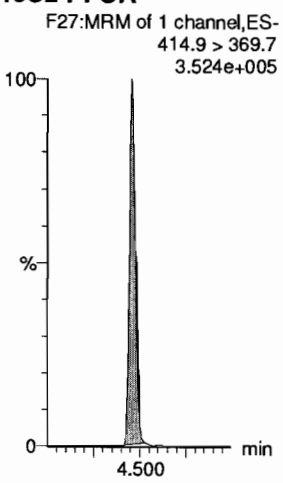

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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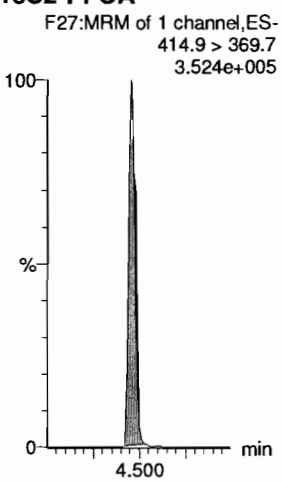
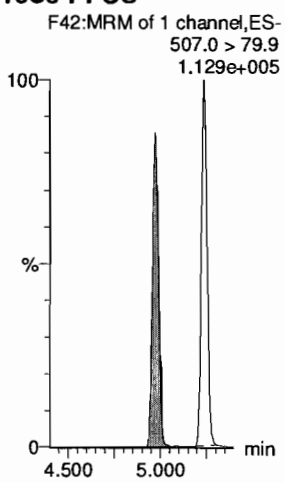



**13C8-PFOS**

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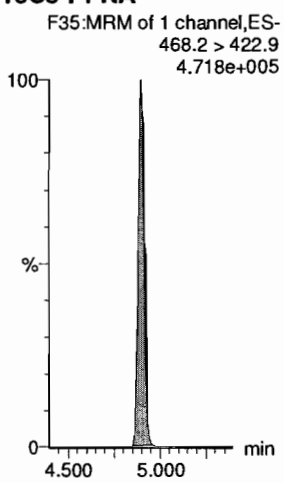

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
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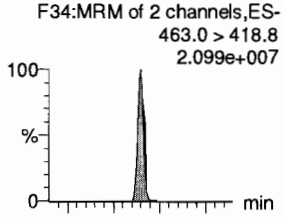
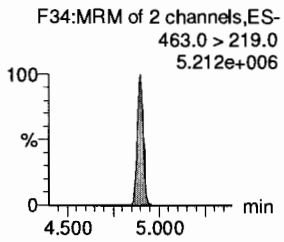
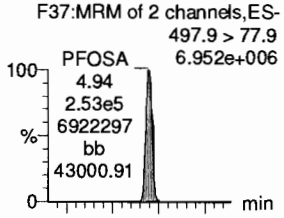
**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

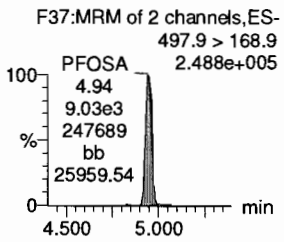
**PFNA**



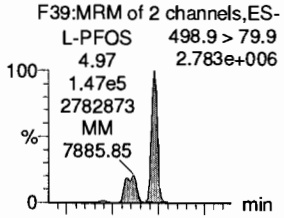



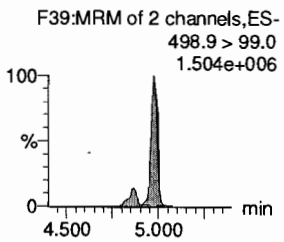

**PFOSA**




**L-PFOS**

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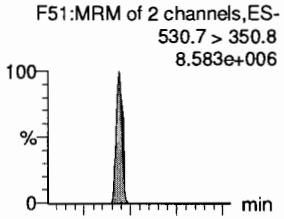
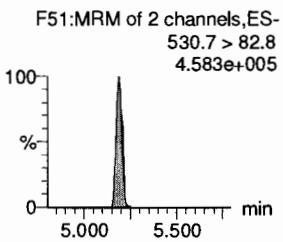
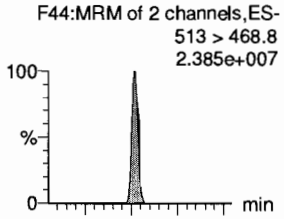
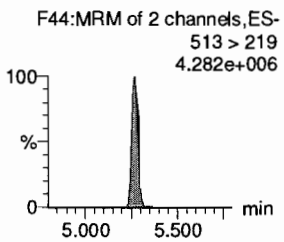


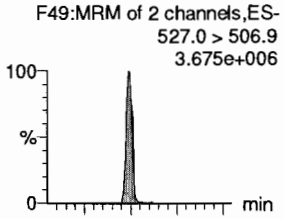



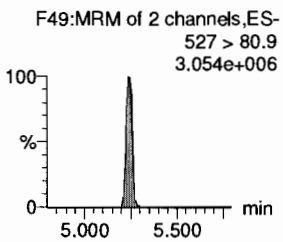

**PFDA**



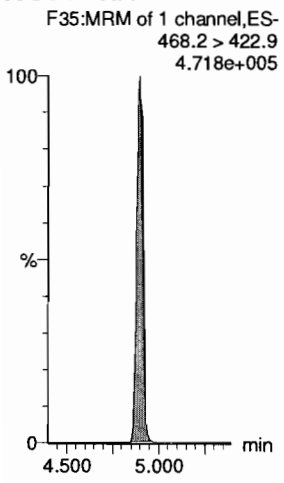




**8:2 FTS**

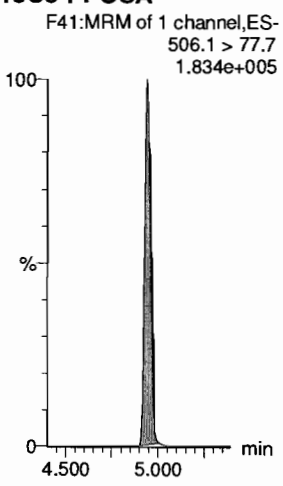


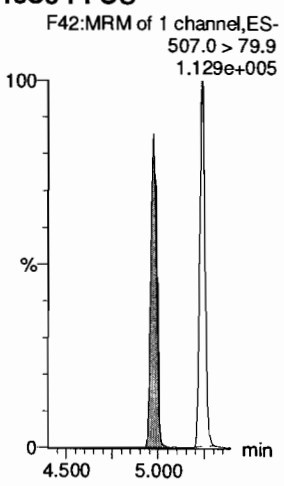

**13C5-PFNA**



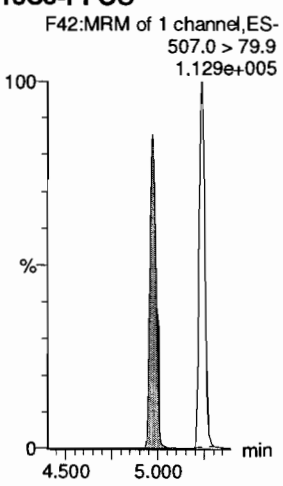

**13C8-PFOSA**



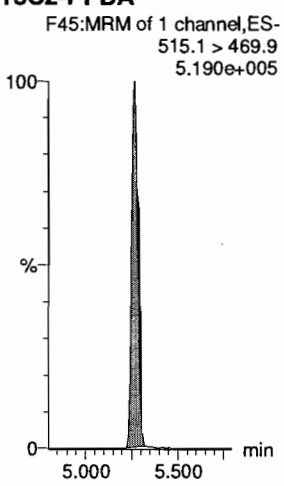

**13C8-PFOS**



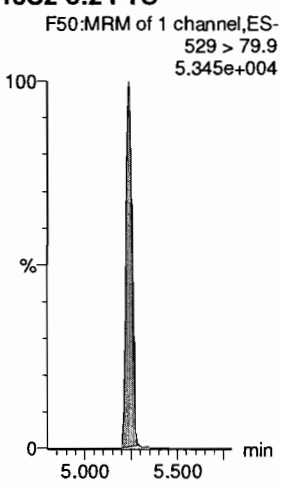

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

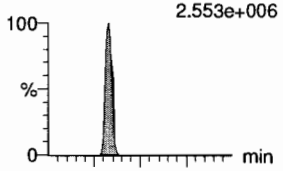


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

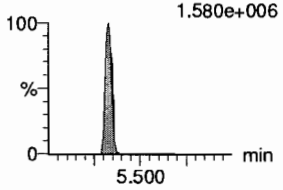
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

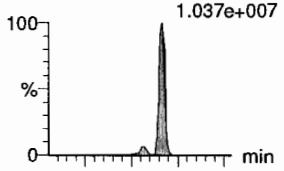
**PFNS**
F53:MRM of 2 channels,ES-
549.1 > 80.1
2.553e+006



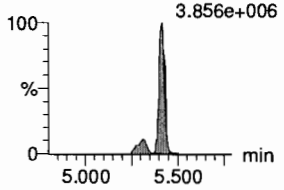
F53:MRM of 2 channels,ES-
549.1 > 99.1
1.580e+006



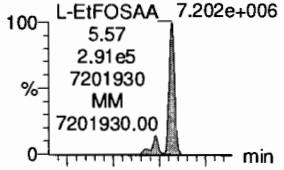
**L-MeFOSAA**
F56:MRM of 2 channels,ES-
570 > 419
1.037e+007



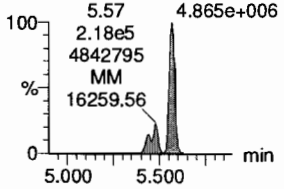
F56:MRM of 2 channels,ES-
570. > 512
3.856e+006



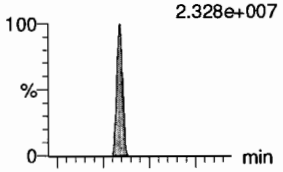
**L-EtFOSAA**
F59:MRM of 2 channels,ES-
584.1 > 419
7.202e+006
L-EtFOSAA
5.57
2.91e5
7201930
MM
7201930.00



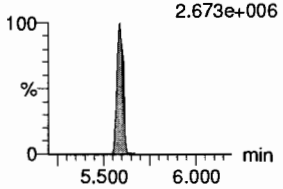
F59:MRM of 2 channels,ES-
L-EtFOSAA 584.1 > 526
5.57 4.865e+006
2.18e5
4842795
MM
16259.56



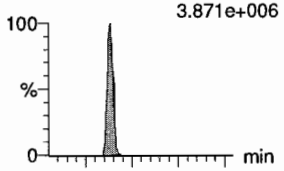
**PFUdA**
F54:MRM of 2 channels,ES-
563.0 > 518.9
2.328e+007



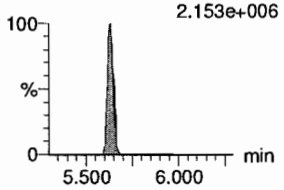
F54:MRM of 2 channels,ES-
563.0 > 269
2.673e+006



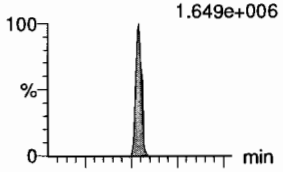
**PFDS**
F61:MRM of 2 channels,ES-
598.8 > 79.9
3.871e+006



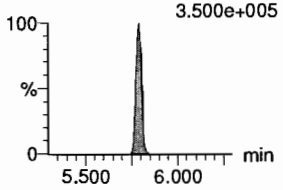
F61:MRM of 2 channels,ES-
598.8 > 98.9
2.153e+006



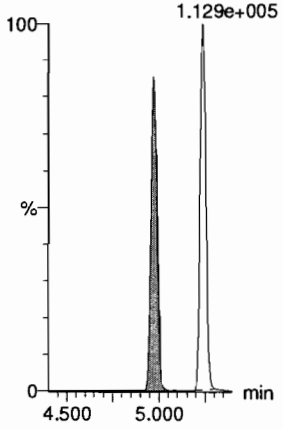
**11Cl-PF30UdS**
F68:MRM of 2 channels,ES-
632.6 > 452.7
1.649e+006



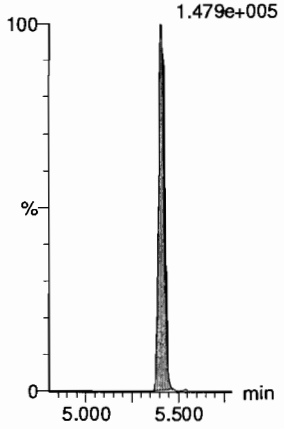
F68:MRM of 2 channels,ES-
632.6 > 450.7
3.500e+005



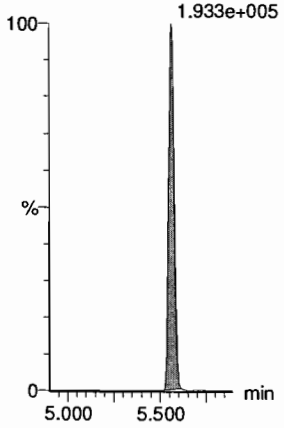
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.129e+005



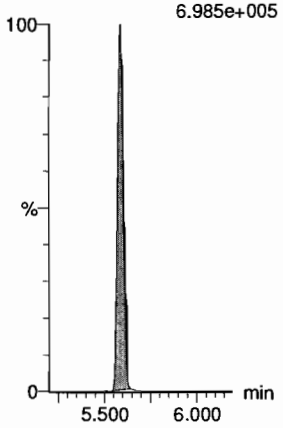
**d3-N-MeFOSAA**
F58:MRM of 1 channel,ES-
573.3 > 419
1.479e+005



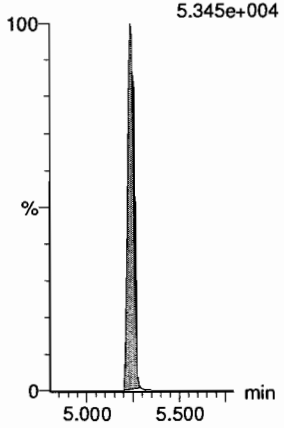
**d5-N-EtFOSAA**
F60:MRM of 1 channel,ES-
589.3 > 419
1.933e+005



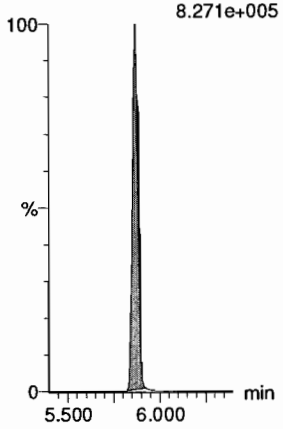
**13C2-PFUdA**
F55:MRM of 1 channel,ES-
565 > 519.8
6.985e+005



**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
5.345e+004



**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
8.271e+005

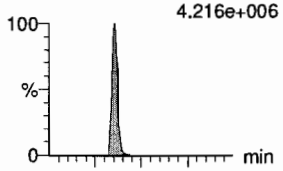


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

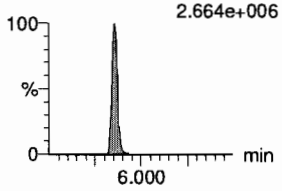
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

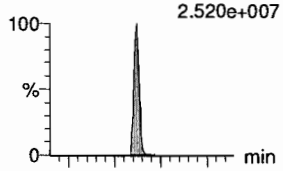
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
4.216e+006



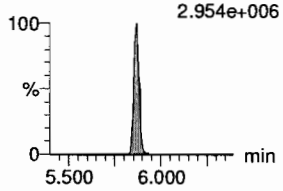
F66:MRM of 2 channels,ES-
627.0 > 80.9
2.664e+006



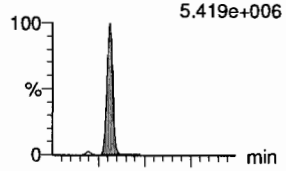
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
2.520e+007



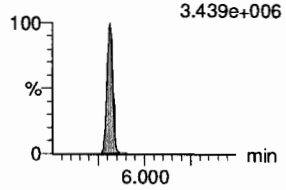
F62:MRM of 4 channels,ES-
612.9 > 318.8
2.954e+006



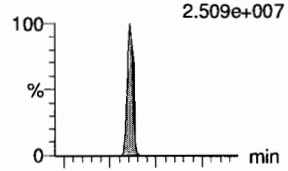
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
5.419e+006



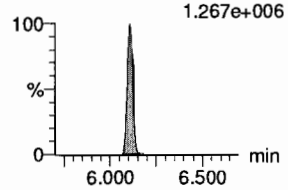
F43:MRM of 2 channels,ES-
512.1 > 219
3.439e+006



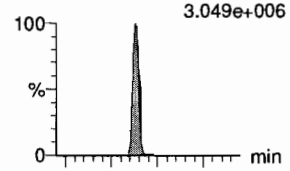
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
2.509e+007



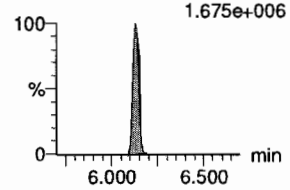
F70:MRM of 2 channels,ES-
662.9 > 319
1.267e+006



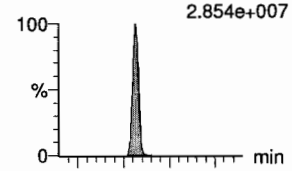
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
3.049e+006



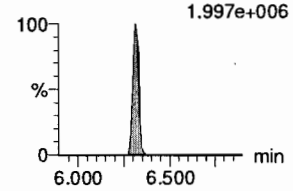
F71:MRM of 2 channels,ES-
698.8 > 98.9
1.675e+006



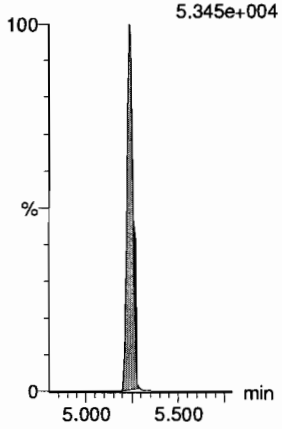
**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
2.854e+007



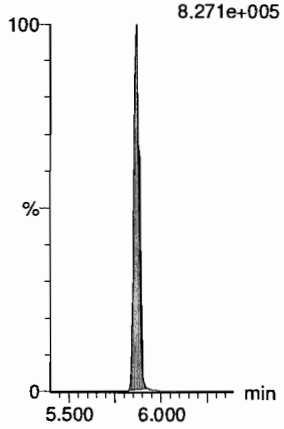
F72:MRM of 2 channels,ES-
713. > 369.0
1.997e+006



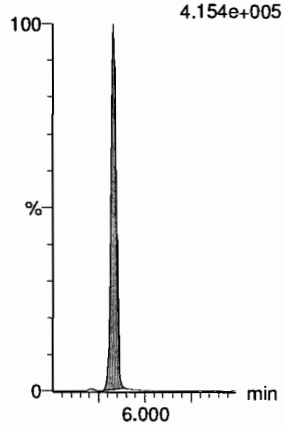
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
5.345e+004



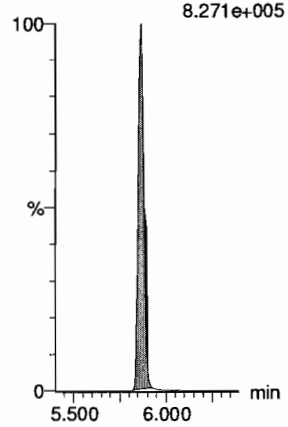
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
8.271e+005



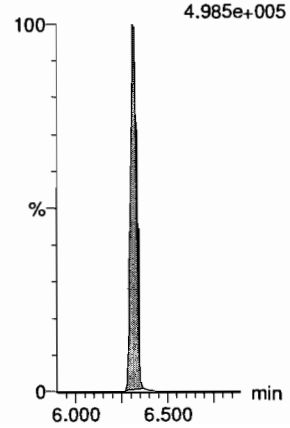
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
4.154e+005



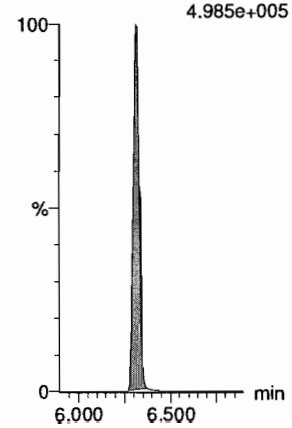
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
8.271e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
4.985e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
4.985e+005

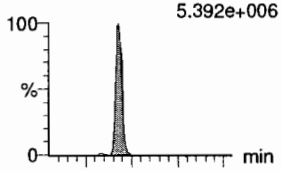


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

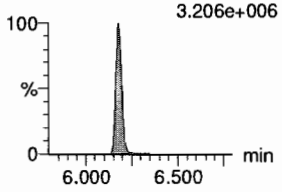
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

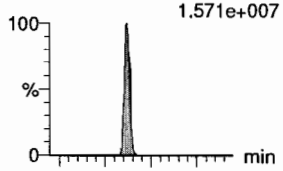
**N-EtFOSA**
F48:MRM of 2 channels,ES-
526.1 > 168.9
5.392e+006



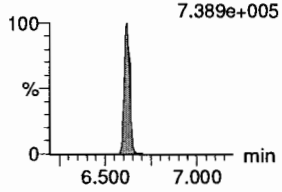

F48:MRM of 2 channels,ES-
526.1 > 219
3.206e+006



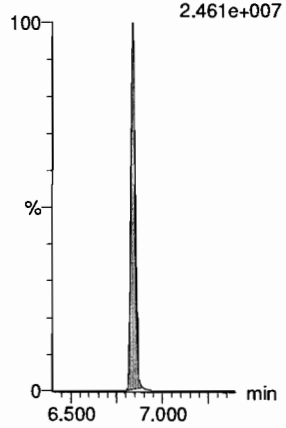

**PFHxDA**
F74:MRM of 2 channels,ES-
813.1 > 768.6
1.571e+007



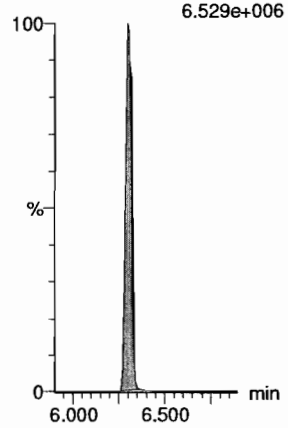

F74:MRM of 2 channels,ES-
813.1 > 219
7.389e+005



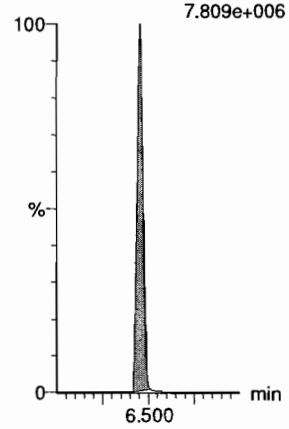

**PFODA**
F76:MRM of 1 channel,ES-
913.1 > 868.8
2.461e+007



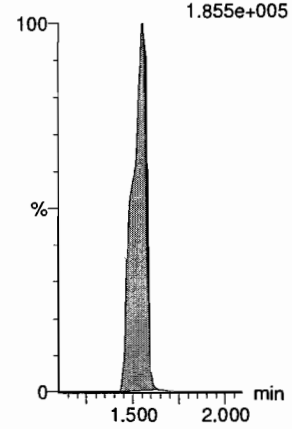

**N-MeFOSE**
F64:MRM of 1 channel,ES-
616.1 > 58.9
6.529e+006



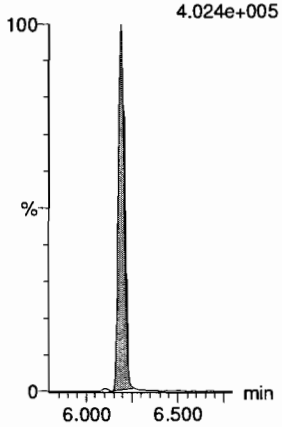

**N-EtFOSE**
F67:MRM of 1 channel,ES-
630.1 > 58.9
7.809e+006



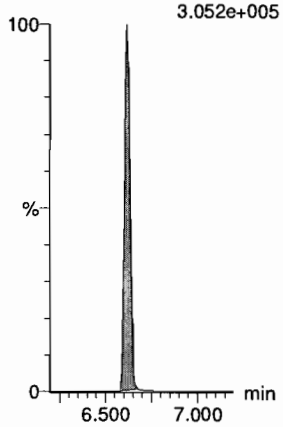

**13C4-PFBA**
F4:MRM of 1 channel,ES-
217.0 > 172.0
1.855e+005



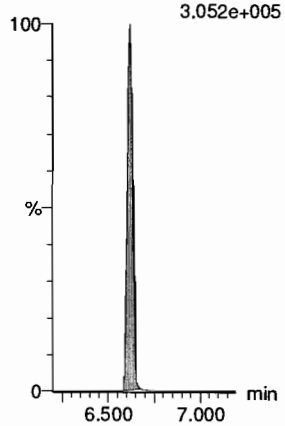

**d5-N-ETFOSA**
F52:MRM of 1 channel,ES-
531.1 > 168.9
4.024e+005



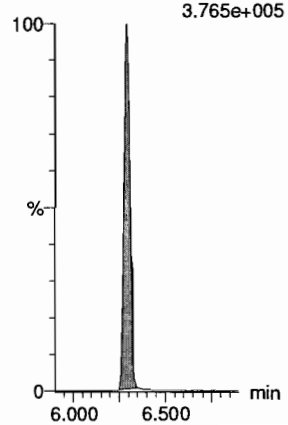

**13C2-PFHxDA**
F75:MRM of 1 channel,ES-
815 > 769.7
3.052e+005



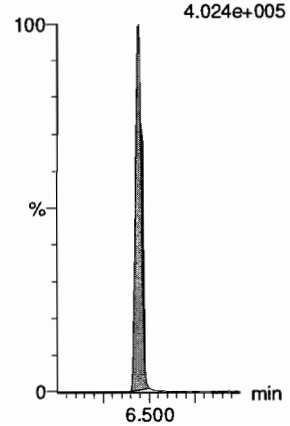

**13C2-PFHxDA**
F75:MRM of 1 channel,ES-
815 > 769.7
3.052e+005



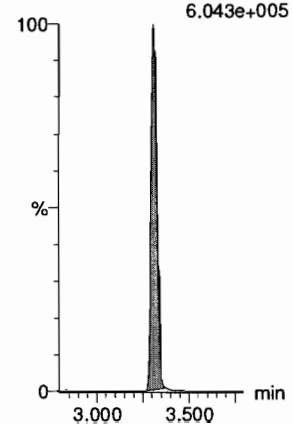

**d7-N-MeFOSE**
F65:MRM of 1 channel,ES-
623.1 > 58.9
3.765e+005




**d9-N-EtFOSE**
F69:MRM of 1 channel,ES-
639.2 > 58.8
4.024e+005




**13C5-PFHxA**
F15:MRM of 1 channel,ES-
318.0 > 272.9
6.043e+005

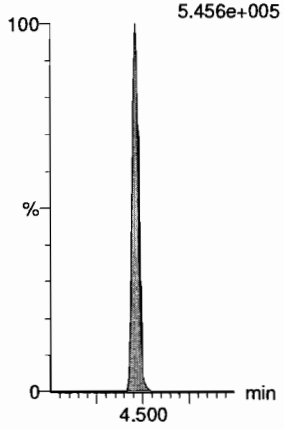


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-CRV.qld

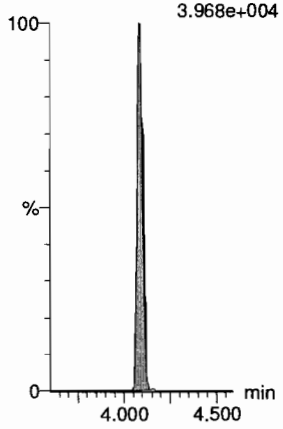
Last Altered: Tuesday, July 30, 2019 07:59:04 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:03:06 Pacific Daylight Time

**Name: 190729M1_13, Date: 29-Jul-2019, Time: 15:58:13, ID: ST190729M1-10 PFC CS7 19G2010, Description: PFC CS7 19G2010**

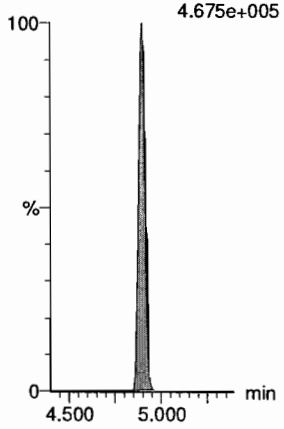
**13C8-PFOA**
F28:MRM of 1 channel,ES-
420.9 > 376.0
5.456e+005



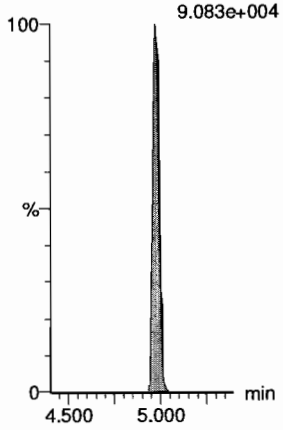

**18O2-PFHxS**
F25:MRM of 1 channel,ES-
403.0 > 102.6
3.968e+004



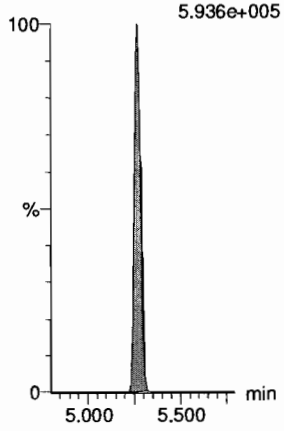

**13C9-PFNA**
F36:MRM of 1 channel,ES-
472.2 > 426.9
4.675e+005



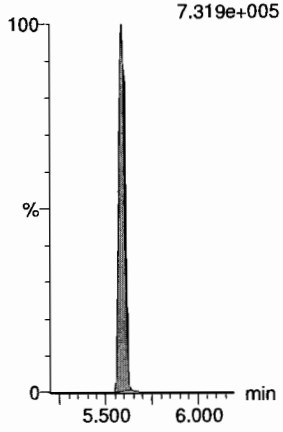

**13C4-PFOS**
F40:MRM of 1 channel,ES-
503 > 79.9
9.083e+004




**13C6-PFDA**
F47:MRM of 1 channel,ES-
519.1 > 473.7
5.936e+005




**13C7-PFUdA**
F57:MRM of 1 channel,ES-
570.1 > 524.8
7.319e+005



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

(A) Compounds not in ICV

✓ 7/30/19

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | 10067.098 | 13710.398 | 1.00 | 1.55 | 9.178 | 7.7 | 76.7 | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 2206.406 | 1.00 | | | | (A) | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 16051.879 | 1.00 | | | | ↓ | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | 8949.566 | 16051.879 | 1.00 | 2.54 | 6.969 | 8.1 | 80.8 | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | 2553.884 | 2206.406 | 1.00 | 2.81 | 14.469 | 6.6 | 75.1 | NO | 3.324 | NO |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | 4427.284 | 3490.667 | 1.00 | 3.22 | 15.854 | 6.9 | 74.0 | NO | 1.705 | NO |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 13710.398 | 18170.443 | 1.00 | 1.55 | 9.432 | 12.7 | 101.5 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.406 | 1892.345 | 1.00 | 2.81 | 14.575 | 13.3 | 106.3 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16051.879 | 30831.420 | 1.00 | 2.54 | 6.508 | 12.5 | 100.2 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16051.879 | 30831.420 | 1.00 | 2.54 | 6.508 | 12.5 | 100.2 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.406 | 1892.345 | 1.00 | 2.81 | 14.575 | 13.3 | 106.3 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 3490.667 | 1892.345 | 1.00 | 3.21 | 23.058 | 13.0 | 104.0 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | 17632.107 | 12378.733 | 1.00 | 3.31 | 7.122 | 8.3 | 83.1 | NO | 15.573 | NO |
| 15 | 8 | PFPeS | 349.1>80.1 | 1982.831 | 2206.406 | 1.00 | 3.51 | 11.233 | 7.2 | 72.3 | NO | 1.431 | NO |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 2399.845 | 1.00 | | | | (A) | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 14741.233 | 1.00 | | | | ↓ | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | 11148.813 | 14741.233 | 1.00 | 3.94 | 9.454 | 7.8 | 78.4 | NO | 9.198 | NO |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 14741.233 | 1.00 | | | | (A) | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 12378.733 | 30831.420 | 1.00 | 3.31 | 5.019 | 5.0 | 100.2 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.406 | 1892.345 | 1.00 | 2.81 | 14.575 | 13.3 | 106.3 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 2399.845 | 30831.420 | 1.00 | 3.53 | 0.973 | 6.4 | 127.5 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14741.233 | 30831.420 | 1.00 | 3.94 | 5.977 | 13.0 | 103.9 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14741.233 | 30831.420 | 1.00 | 3.94 | 5.977 | 13.0 | 103.9 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 14741.233 | 30831.420 | 1.00 | 3.94 | 5.977 | 13.0 | 103.9 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 2196.068 | 4080.730 | 1.00 | 4.08 | 6.727 | 7.7 | 84.0 | NO | 2.064 | NO |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 4600.696 | 2650.195 | 1.00 | 4.41 | 21.700 | 7.4 | 77.3 | NO | 2.377 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 22399.994 | 25915.355 | 1.00 | 4.46 | 10.804 | 7.4 | 74.4 | NO | 3.665 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 25915.355 | 1.00 | | | | (A) | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 2310.686 | 4794.931 | 1.00 | 4.56 | 6.024 | 6.8 | 71.3 | NO | 1.740 | NO |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 26049.066 | 1.00 | | | | (A) | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 4080.730 | 1892.345 | 1.00 | 4.08 | 26.956 | 12.6 | 100.9 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 2650.195 | 4625.697 | 1.00 | 4.41 | 7.162 | 13.3 | 106.1 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 25915.355 | 36519.352 | 1.00 | 4.46 | 8.870 | 13.3 | 106.8 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 25915.355 | 36519.352 | 1.00 | 4.46 | 8.870 | 13.3 | 106.8 | NO | | |

7/30/19

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
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**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4794.931 | 4625.697 | 1.00 | 4.97 | 12.957 | 12.9 | 103.3 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 26049.066 | 26106.932 | 1.00 | 4.90 | 12.472 | 12.1 | 97.2 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | 18822.580 | 26049.066 | 1.00 | 4.90 | 9.032 | 8.1 | 80.6 | NO | 3.781 | NO |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 5539.367 | 9533.634 | 1.00 | 4.94 | 7.263 | 7.4 | 74.0 | NO | 25.692 | NO |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 2965.167 | 4794.931 | 1.00 | 4.97 | 7.730 | 7.4 | 80.1 | NO | 2.268 | NO |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 4794.931 | 1.00 | | | | (A) | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 21992.426 | 27082.031 | 1.00 | 5.27 | 10.151 | 8.4 | 84.4 | NO | 5.509 | NO |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 3388.411 | 3052.788 | 1.00 | 5.24 | 13.874 | 6.8 | 70.6 | NO | 1.216 | NO |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 26049.066 | 26106.932 | 1.00 | 4.90 | 12.472 | 12.1 | 97.2 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 9533.634 | 40619.238 | 1.00 | 4.95 | 2.934 | 12.5 | 100.1 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4794.931 | 4625.697 | 1.00 | 4.97 | 12.957 | 12.9 | 103.3 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4794.931 | 4625.697 | 1.00 | 4.97 | 12.957 | 12.9 | 103.3 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 27082.031 | 33641.480 | 1.00 | 5.27 | 10.063 | 12.2 | 97.6 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 3052.788 | 4625.697 | 1.00 | 5.24 | 8.250 | 13.6 | 109.0 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 2085.482 | 4794.931 | 1.00 | 5.33 | 5.437 | 7.7 | 80.1 | NO | 1.681 | NO |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 10165.330 | 7602.646 | 1.00 | 5.41 | 16.713 | 8.5 | 84.8 | NO | 2.641 | NO |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 8969.949 | 9855.224 | 1.00 | 5.57 | 11.377 | 9.7 | 96.5 | NO | 1.573 | NO |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 20874.367 | 38131.543 | 1.00 | 5.59 | 6.843 | 7.9 | 79.1 | NO | 8.863 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | 2943.714 | 3052.788 | 1.00 | 5.63 | 12.053 | 7.3 | 75.8 | NO | 1.726 | NO |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 35524.500 | 1.00 | | | | (A) | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 4794.931 | 4625.697 | 1.00 | 4.97 | 12.957 | 12.9 | 103.3 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 7602.646 | 40619.238 | 1.00 | 5.41 | 2.340 | 13.2 | 105.3 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 9855.224 | 40619.238 | 1.00 | 5.56 | 3.033 | 12.9 | 103.4 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 38131.543 | 40619.238 | 1.00 | 5.59 | 11.734 | 13.1 | 104.8 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 3052.788 | 4625.697 | 1.00 | 5.24 | 8.250 | 13.6 | 109.0 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35524.500 | 33641.480 | 1.00 | 5.86 | 13.200 | 12.1 | 96.6 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | | 3052.788 | 1.00 | | | | (A) | NO | | |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 25228.537 | 35524.500 | 1.00 | 5.87 | 8.877 | 8.6 | 85.8 | NO | 9.123 | NO |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 17787.285 | 1.00 | | | | (A) | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 23655.846 | 35524.500 | 1.00 | 6.11 | 8.324 | 7.5 | 75.4 | NO | 20.013 | NO |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 25070.900 | 1.00 | | | | (A) | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 23683.840 | 25070.900 | 1.00 | 6.31 | 11.808 | 8.1 | 80.8 | NO | 14.712 | NO |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35524.500 | 33641.480 | 1.00 | 5.86 | 13.200 | 12.1 | 96.6 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35524.500 | 33641.480 | 1.00 | 5.86 | 13.200 | 12.1 | 96.6 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 17787.285 | 40619.238 | 1.00 | 5.83 | 5.474 | 149.0 | 99.3 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 35524.500 | 33641.480 | 1.00 | 5.86 | 13.200 | 12.1 | 96.6 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 25070.900 | 40619.238 | 1.00 | 6.31 | 7.715 | 12.7 | 101.5 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 25070.900 | 40619.238 | 1.00 | 6.31 | 7.715 | 12.7 | 101.5 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 21688.141 | 1.00 | | | | (A) | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | | 12833.674 | 1.00 | | | | | NO | | |
| 81 | 44 | PFODA | 913.1 > 868.8 | | 12833.674 | 1.00 | | | | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 14691.492 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 15782.720 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 18170.443 | 18170.443 | 1.00 | 1.55 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 21688.141 | 40619.238 | 1.00 | 6.19 | 6.674 | 155.2 | 103.5 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 12833.674 | 40619.238 | 1.00 | 6.61 | 3.949 | 5.1 | 101.8 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 12833.674 | 40619.238 | 1.00 | 6.61 | 3.949 | 5.1 | 101.8 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 14691.492 | 40619.238 | 1.00 | 6.30 | 4.521 | 143.1 | 95.4 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 15782.720 | 40619.238 | 1.00 | 6.45 | 4.857 | 145.7 | 97.2 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 30831.420 | 30831.420 | 1.00 | 3.31 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 36519.352 | 36519.352 | 1.00 | 4.46 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1892.345 | 1892.345 | 1.00 | 4.08 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 26106.932 | 26106.932 | 1.00 | 4.90 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 4625.697 | 4625.697 | 1.00 | 4.97 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 33641.480 | 33641.480 | 1.00 | 5.27 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 40619.238 | 40619.238 | 1.00 | 5.59 | 12.500 | 12.5 | 100.0 | NO | | |

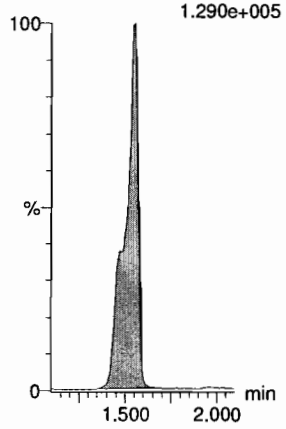
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

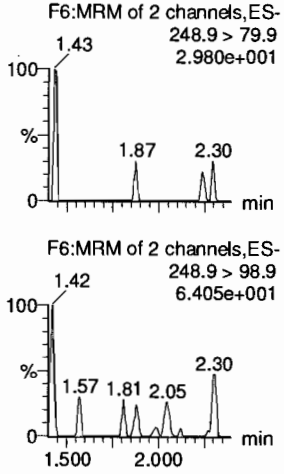
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919_ICV.mdb 30 Jul 2019 08:46:01**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

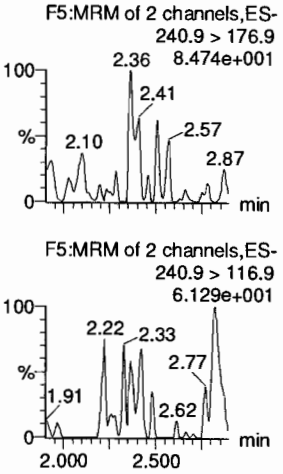
**PFBA**



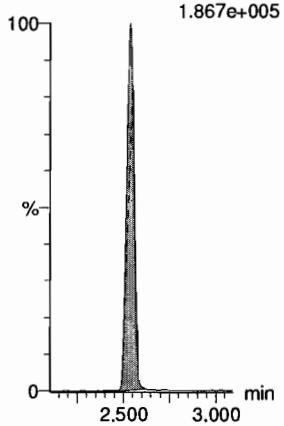

**PFPrS**



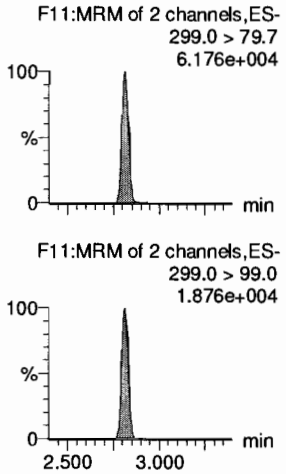

**3:3 FTCA**



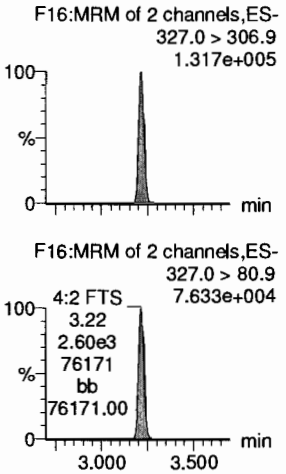

**PFPeA**



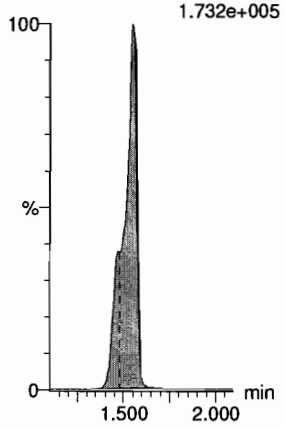

**PFBS**



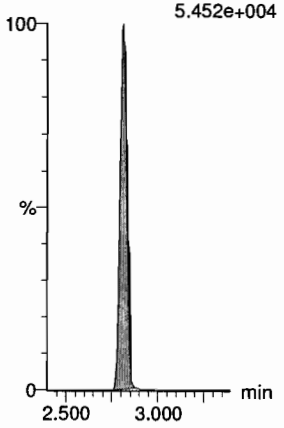

**4:2 FTS**



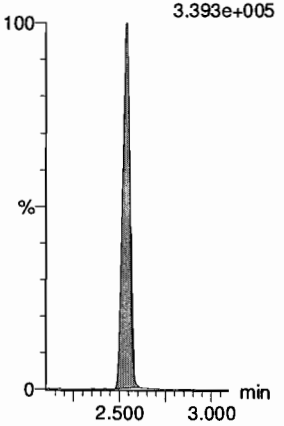

**13C3-PFBA**




**13C3-PFBS**




**13C3-PFPeA**

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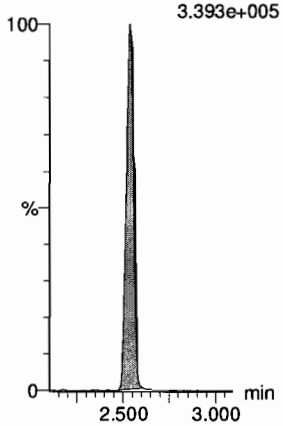
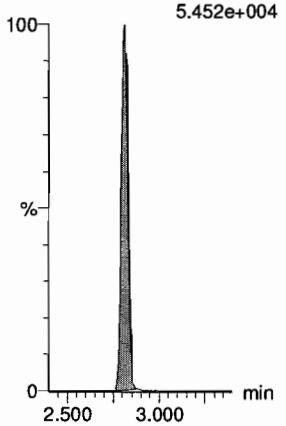
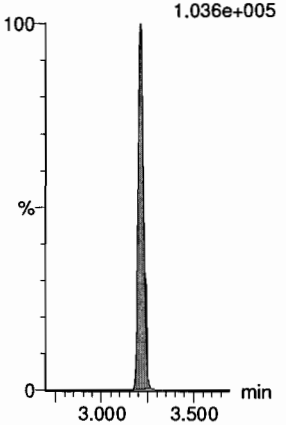



**13C3-PFBS**




**13C2-4:2 FTS**

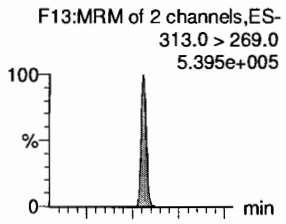


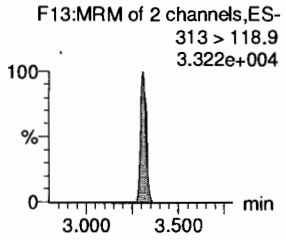
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

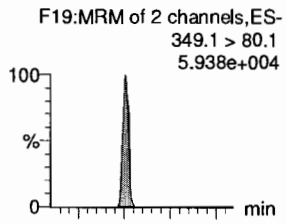
**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

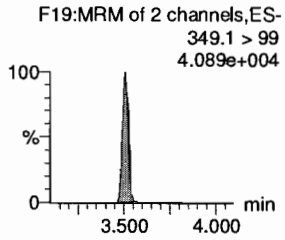
**PFHxA**



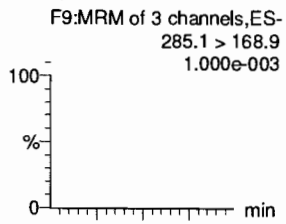



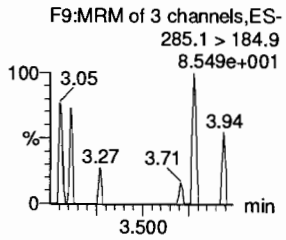

**PFPeS**



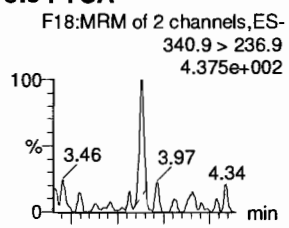



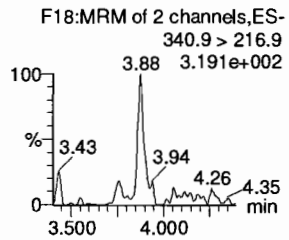

**HFPO-DA**



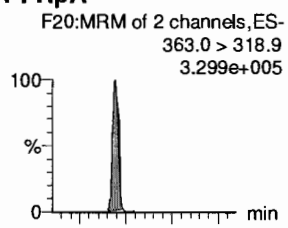



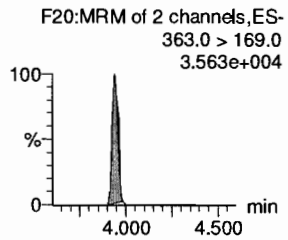

**5:3 FTCA**



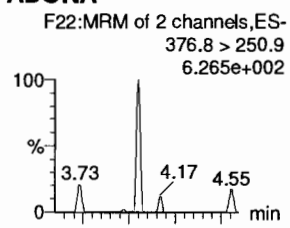



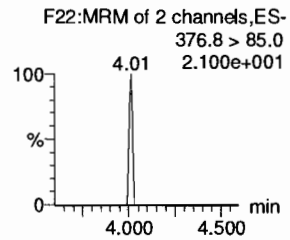

**PFHpA**



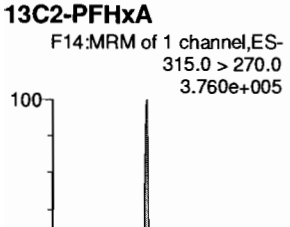




**ADONA**

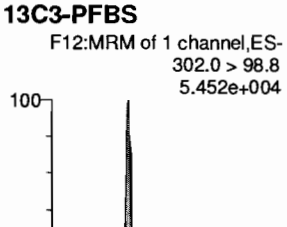


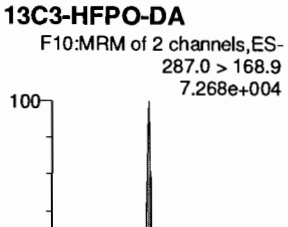

**13C2-PFHxA**



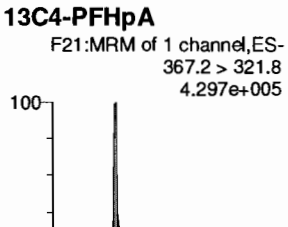

**13C3-PFBS**



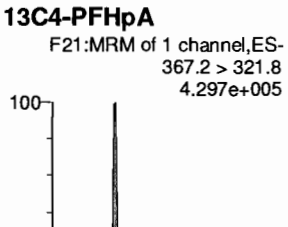

**13C3-HFPO-DA**



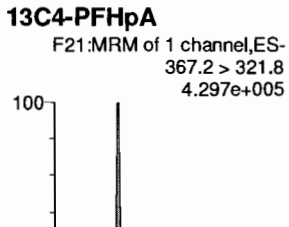

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

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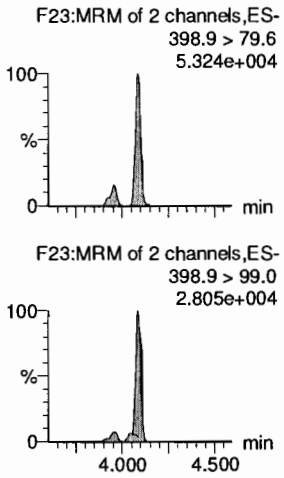
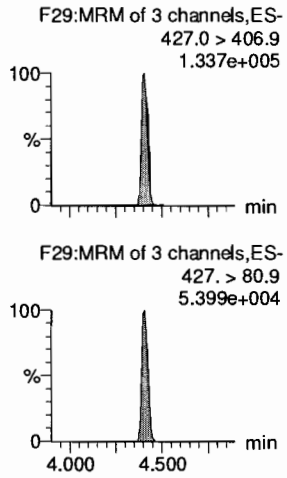
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

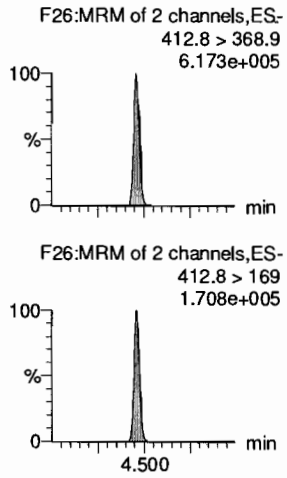
**L-PFHxS**



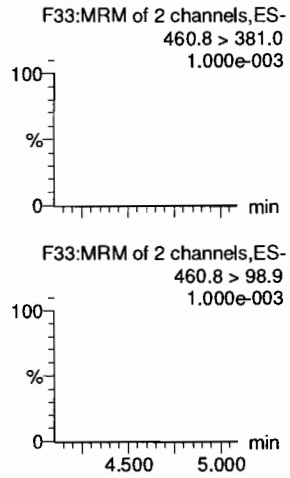

**6:2 FTS**



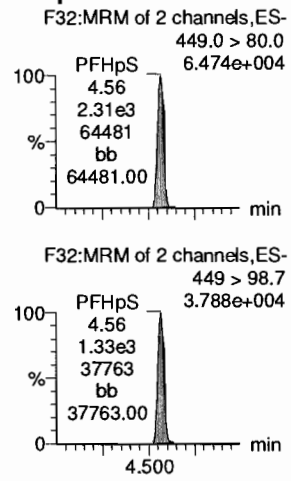

**L-PFOA**



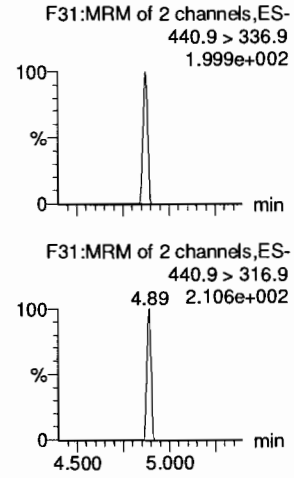

**PFEChS**



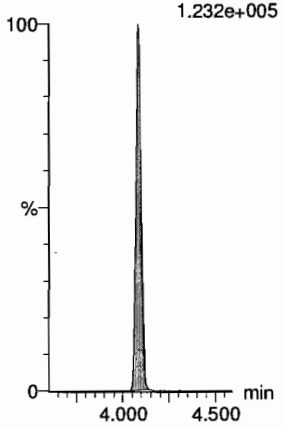

**PFHpS**



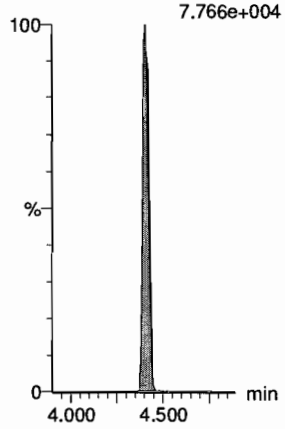

**7:3 FTCA**



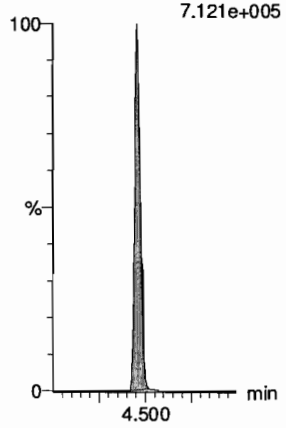

**13C3-PFHxS**



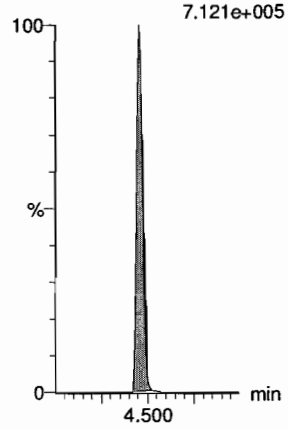

**13C2-6:2 FTS**



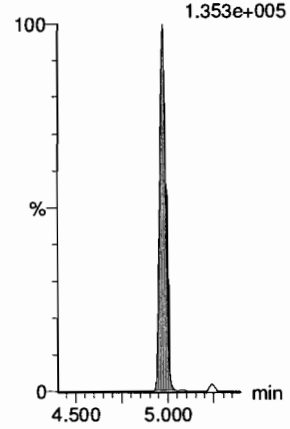

**13C2-PFOA**




**13C2-PFOA**




**13C8-PFOS**

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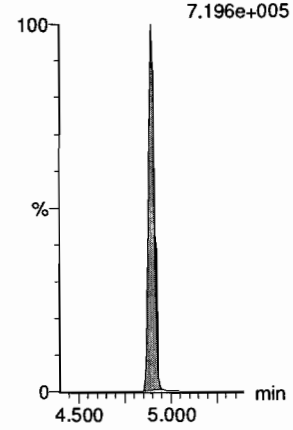
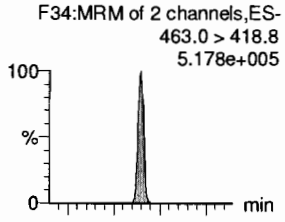


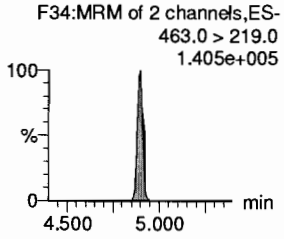
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

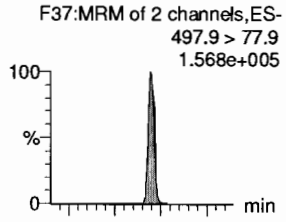
**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

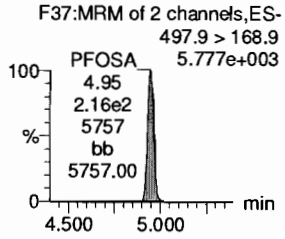
**PFNA**



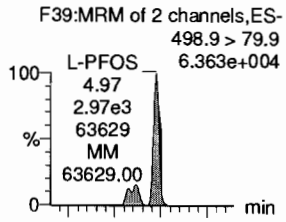



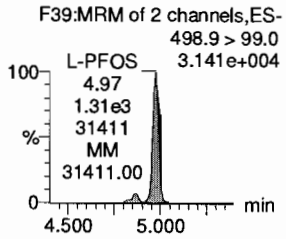

**PFOSA**



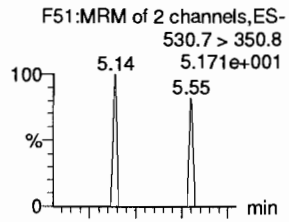



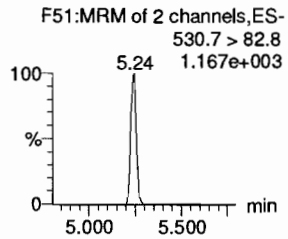

**L-PFOS**




**9Cl-PF30NS**

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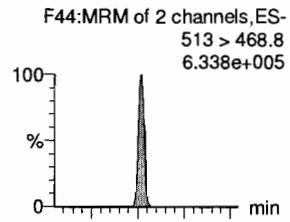
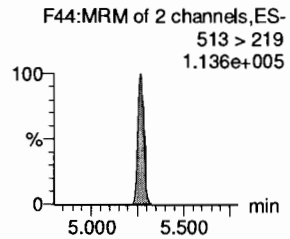
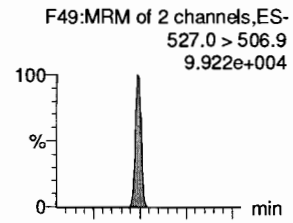
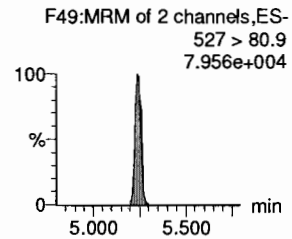


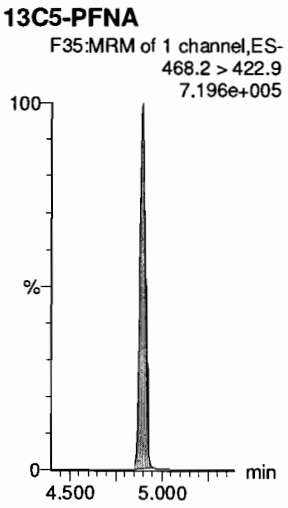




**8:2 FTS**

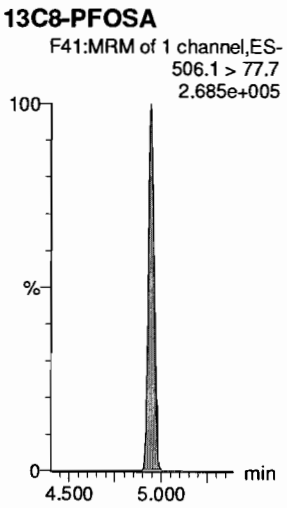



**13C5-PFNA**




**13C8-PFOSA**

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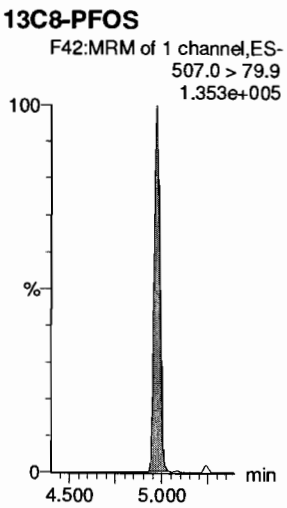
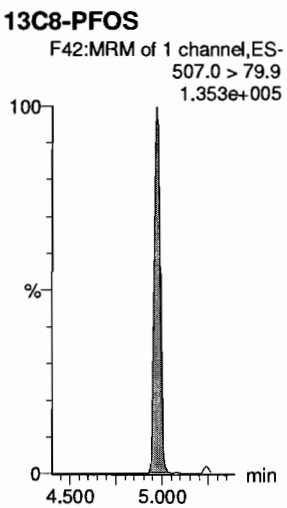
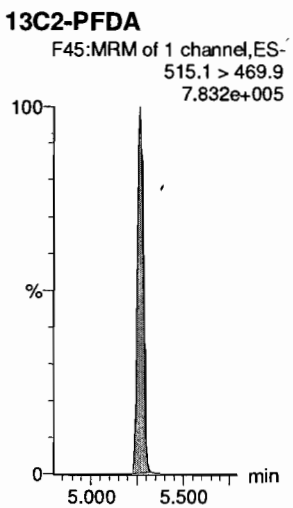


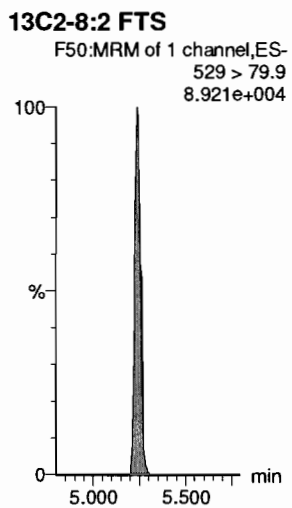

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

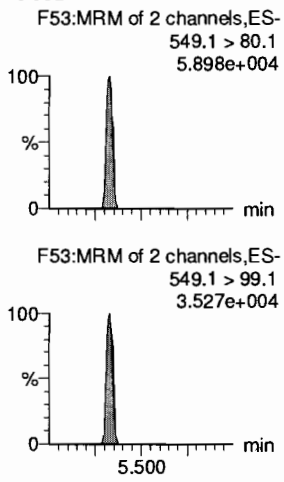


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

**PFNS**

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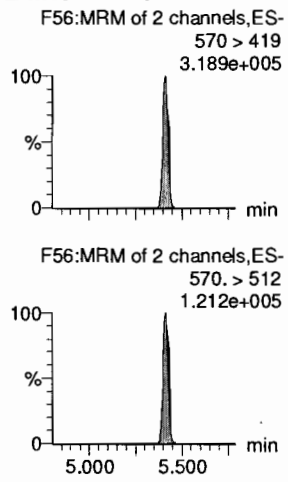


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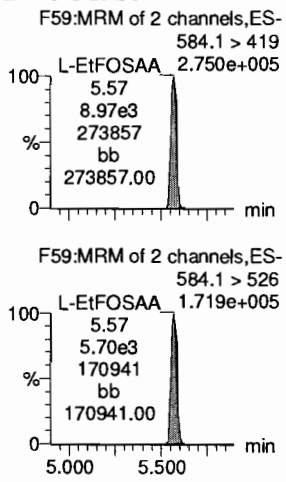
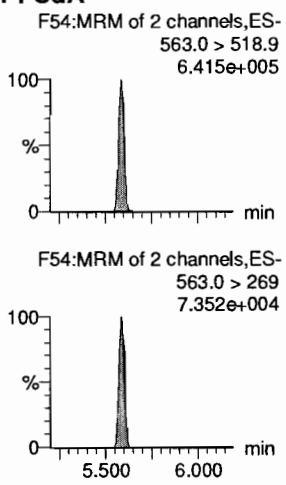



**PFUdA**

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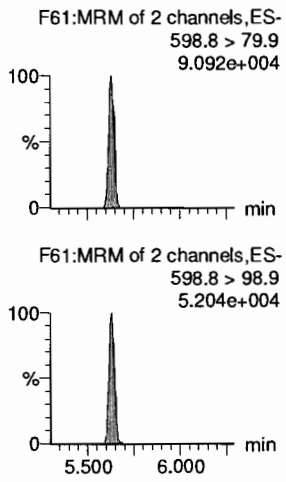


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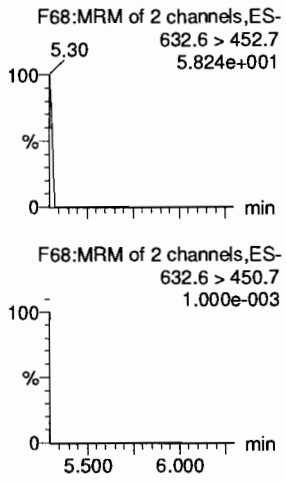


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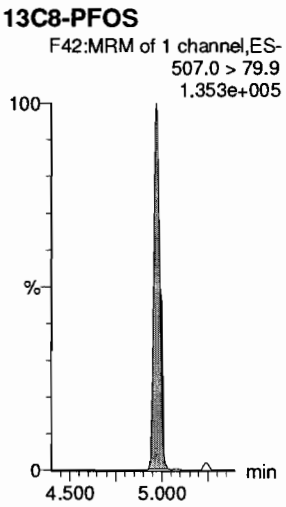


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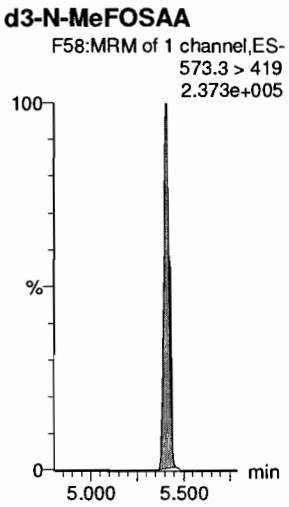
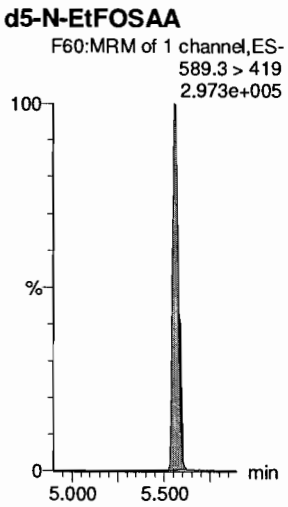



**d5-N-EtFOSAA**

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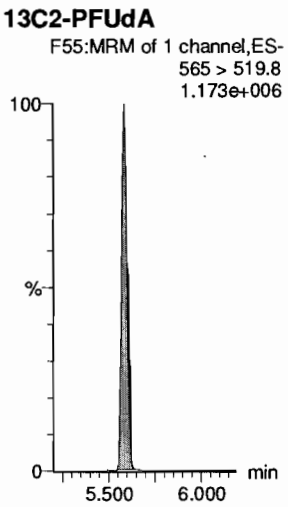


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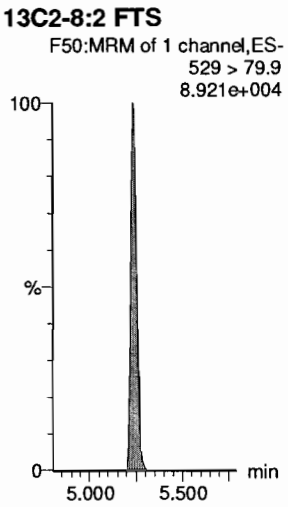


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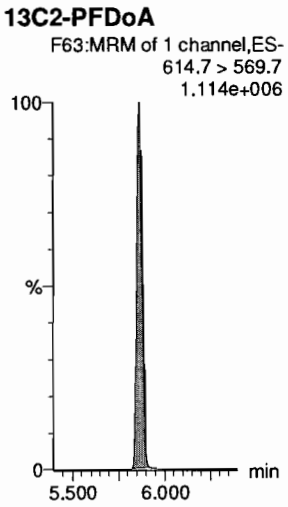
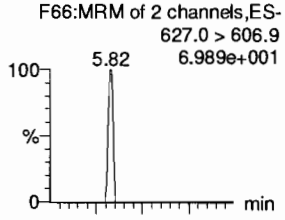


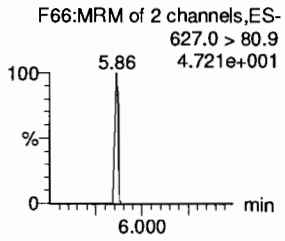
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

**10:2 FTS**

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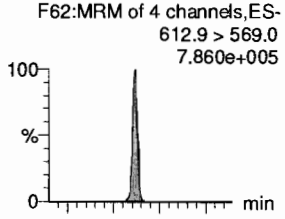
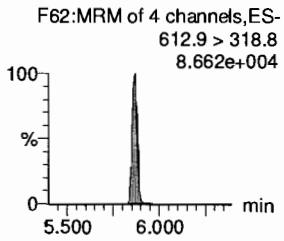
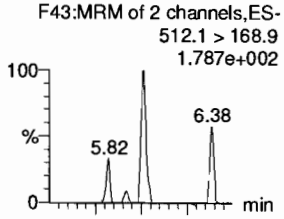
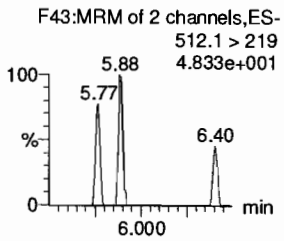



**N-MeFOSA**

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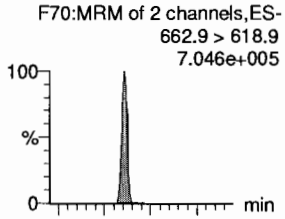


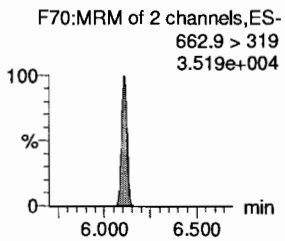


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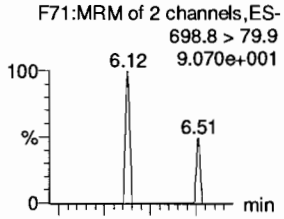
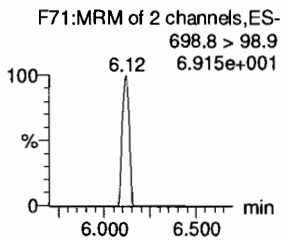
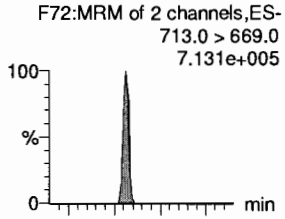
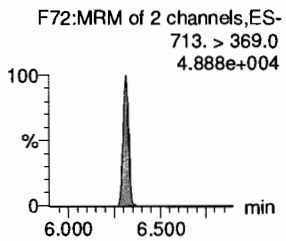



**PFTeDA**

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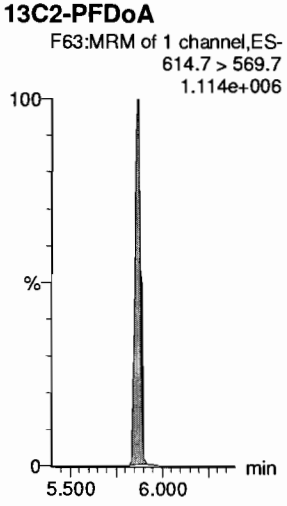


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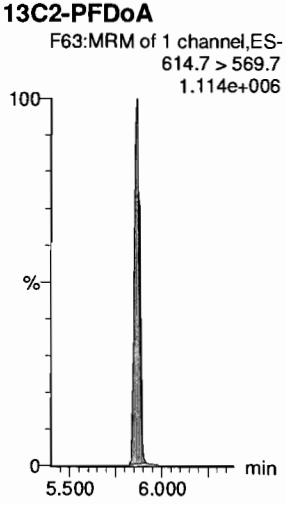
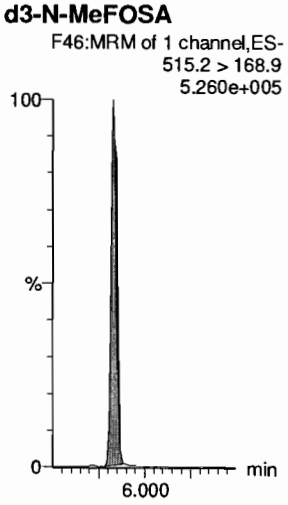



**d3-N-MeFOSA**

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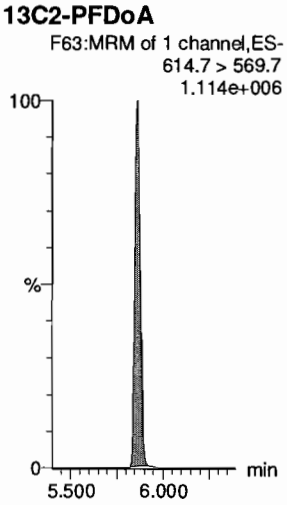


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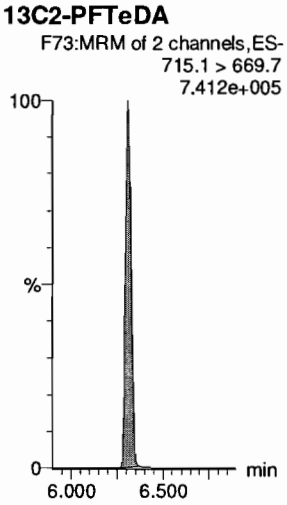


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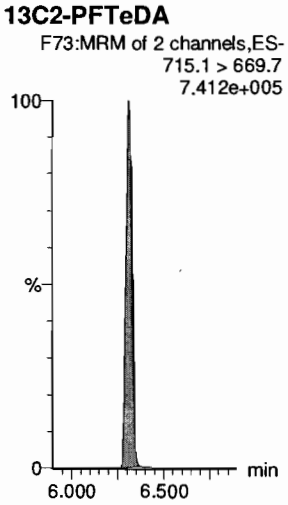
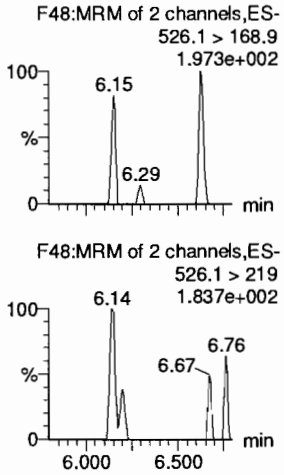


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

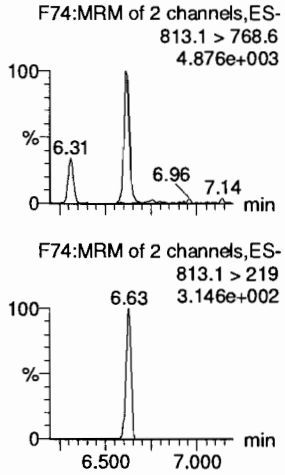
Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

**N-EtFOSA**




**PFHxDA**

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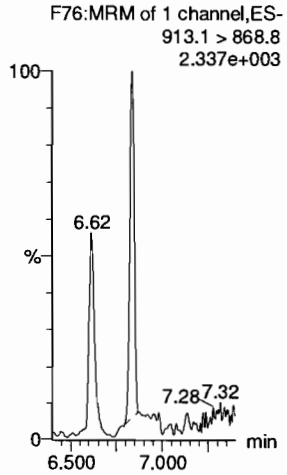


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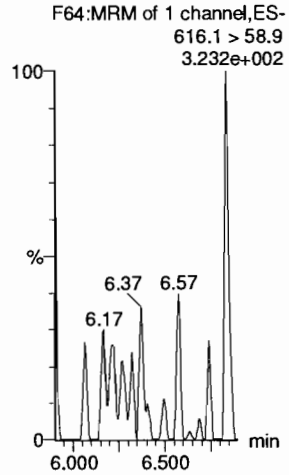
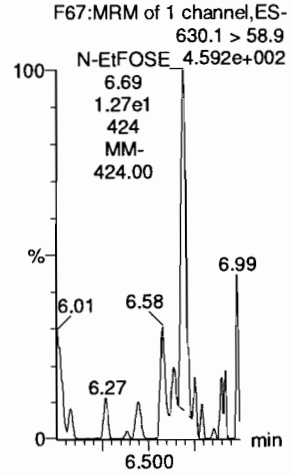
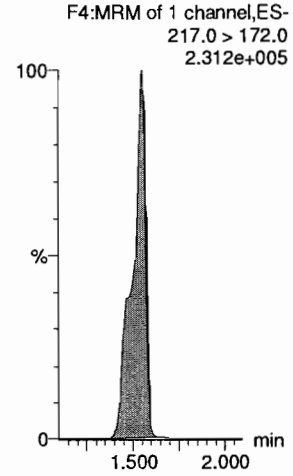


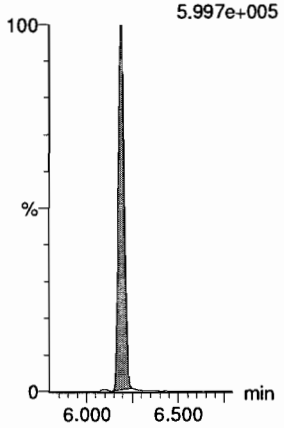

**N-EtFOSE**



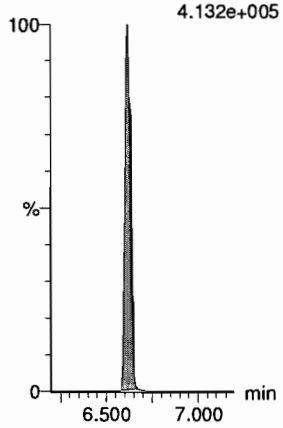

**13C4-PFBA**



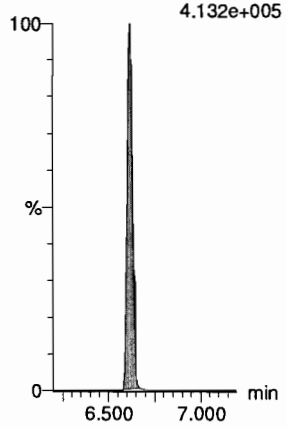

**d5-N-ETFOSA**



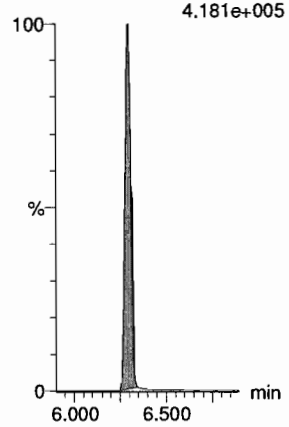

**13C2-PFHxDA**



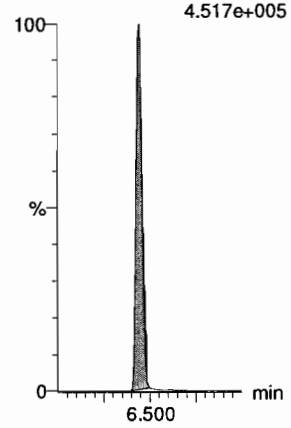

**13C2-PFHxDA**



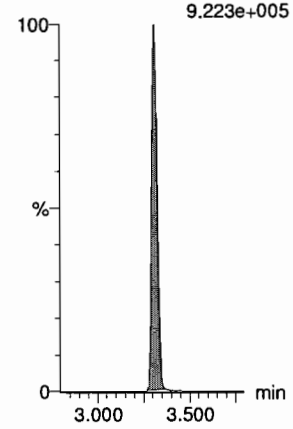

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

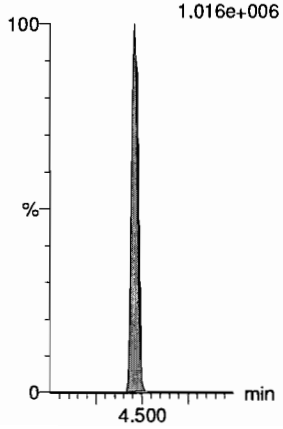


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-ICV.qld

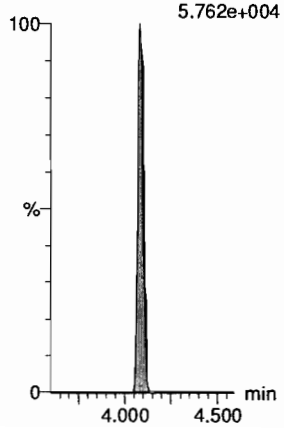
Last Altered: Tuesday, July 30, 2019 15:04:32 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 15:04:45 Pacific Daylight Time

**Name: 190729M1_15, Date: 29-Jul-2019, Time: 16:19:24, ID: ICV190729M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

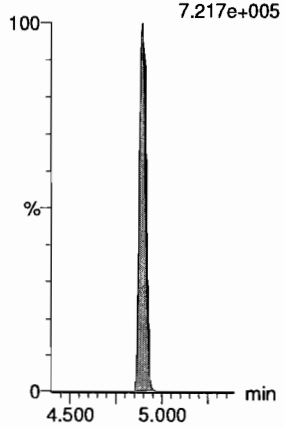
**13C8-PFOA**
F28:MRM of 1 channel,ES-
420.9 > 376.0
1.016e+006



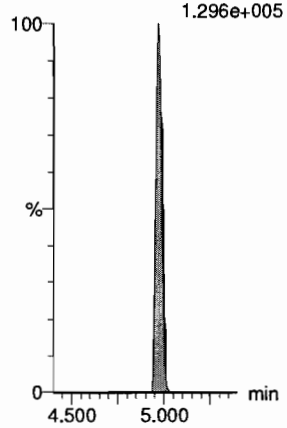

**18O2-PFHxS**
F25:MRM of 1 channel,ES-
403.0 > 102.6
5.762e+004



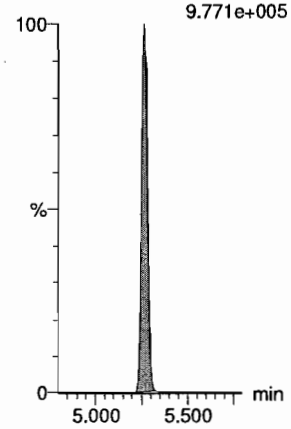

**13C9-PFNA**
F36:MRM of 1 channel,ES-
472.2 > 426.9
7.217e+005



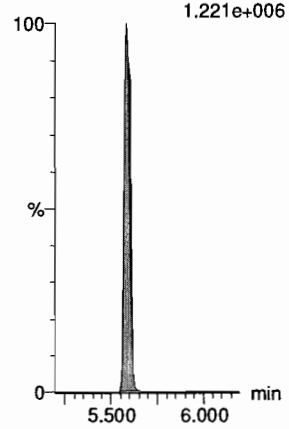

**13C4-PFOS**
F40:MRM of 1 channel,ES-
503 > 79.9
1.296e+005




**13C6-PFDA**
F47:MRM of 1 channel,ES-
519.1 > 473.7
9.771e+005




**13C7-PFUdA**
F57:MRM of 1 channel,ES-
570.1 > 524.8
1.221e+006



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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | | 14292.375 | 1.00 | | | | | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 2206.802 | 1.00 | | | | | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 17477.934 | 1.00 | | | | | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | | 17477.934 | 1.00 | | | | | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | | 2206.802 | 1.00 | | | | | NO | | |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | | 3809.108 | 1.00 | | | | | NO | | |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 14292.375 | 19516.148 | 1.00 | 1.55 | 9.154 | 12.3 | 98.5 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.802 | 2151.240 | 1.00 | 2.81 | 12.823 | 11.7 | 93.5 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 17477.934 | 32940.379 | 1.00 | 2.54 | 6.632 | 12.8 | 102.2 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 17477.934 | 32940.379 | 1.00 | 2.54 | 6.632 | 12.8 | 102.2 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.802 | 2151.240 | 1.00 | 2.81 | 12.823 | 11.7 | 93.5 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 3809.108 | 2151.240 | 1.00 | 3.22 | 22.133 | 12.5 | 99.8 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | | 12787.078 | 1.00 | | | | | NO | | |
| 15 | 8 | PFPeS | 349.1>80.1 | | 2206.802 | 1.00 | | | | | NO | | |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 1933.366 | 1.00 | | | | | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 15875.059 | 1.00 | | | | | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | | 15875.059 | 1.00 | | | | | NO | | |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 15875.059 | 1.00 | | | | | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 12787.078 | 32940.379 | 1.00 | 3.31 | 4.852 | 4.8 | 96.9 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2206.802 | 2151.240 | 1.00 | 2.81 | 12.823 | 11.7 | 93.5 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 1933.366 | 32940.379 | 1.00 | 3.53 | 0.734 | 4.8 | 96.2 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 15875.059 | 32940.379 | 1.00 | 3.94 | 6.024 | 13.1 | 104.7 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 15875.059 | 32940.379 | 1.00 | 3.94 | 6.024 | 13.1 | 104.7 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 15875.059 | 32940.379 | 1.00 | 3.94 | 6.024 | 13.1 | 104.7 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 15.539 | 4248.858 | 1.00 | 4.09 | 0.046 | 0.1 | | NO | 3.428 | YES |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 12.529 | 2632.835 | 1.00 | 4.42 | 0.059 | 0.0 | | NO | 1.348 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 354.513 | 26948.506 | 1.00 | 4.46 | 0.164 | 0.1 | | NO | 8.021 | YES |
| 30 | 18 | PFecHS | 460.8 > 381.0 | 19.569 | 26948.506 | 1.00 | 4.44 | 0.009 | 0.0 | | NO | 2.944 | YES |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 5.099 | 5318.221 | 1.00 | 4.56 | 0.012 | 0.1 | | NO | 2.294 | NO |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 29492.055 | 1.00 | | | | | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 4248.858 | 2151.240 | 1.00 | 4.08 | 24.688 | 11.6 | 92.4 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 2632.835 | 5196.414 | 1.00 | 4.41 | 6.333 | 11.7 | 93.8 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 26948.506 | 40778.023 | 1.00 | 4.46 | 8.261 | 12.4 | 99.4 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 26948.506 | 40778.023 | 1.00 | 4.46 | 8.261 | 12.4 | 99.4 | NO | | |


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Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5318.221 | 5196.414 | 1.00 | 4.97 | 12.793 | 12.7 | 102.0 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 29492.055 | 28053.510 | 1.00 | 4.90 | 13.141 | 12.8 | 102.4 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | | 29492.055 | 1.00 | | | | | NO | | |
| 41 | 22 | PFOSA | 497.9 > 77.9 | | 10074.689 | 1.00 | | | | | NO | | |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 44.134 | 5318.221 | 1.00 | 4.87 | 0.104 | 0.2 | | NO | 13.092 | YES |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 5318.221 | 1.00 | | | | | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 258.938 | 29700.191 | 1.00 | 5.26 | 0.109 | 0.1 | | NO | 16.440 | YES |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 22.719 | 3173.792 | 1.00 | 5.24 | 0.089 | 0.1 | | NO | 1.108 | NO |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 29492.055 | 28053.510 | 1.00 | 4.90 | 13.141 | 12.8 | 102.4 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 10074.689 | 45226.652 | 1.00 | 4.95 | 2.785 | 11.9 | 95.0 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5318.221 | 5196.414 | 1.00 | 4.97 | 12.793 | 12.7 | 102.0 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5318.221 | 5196.414 | 1.00 | 4.97 | 12.793 | 12.7 | 102.0 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 29700.191 | 38124.320 | 1.00 | 5.27 | 9.738 | 11.8 | 94.4 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 3173.792 | 5196.414 | 1.00 | 5.24 | 7.635 | 12.6 | 100.9 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 5.839 | 5318.221 | 1.00 | 5.29 | 0.014 | | | NO | 0.960 | NO |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 95.054 | 7542.678 | 1.00 | 5.40 | 0.158 | 0.1 | | NO | 4.238 | YES |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 41.432 | 10333.103 | 1.00 | 5.57 | 0.050 | 0.0 | | NO | 1.385 | NO |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 260.603 | 40673.313 | 1.00 | 5.59 | 0.080 | | | NO | 47.529 | YES |
| 57 | 34 | PFDS | 598.8 > 79.9 | | 3173.792 | 1.00 | | | | | NO | | |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 38830.172 | 1.00 | | | | | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5318.221 | 5196.414 | 1.00 | 4.97 | 12.793 | 12.7 | 102.0 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 7542.678 | 45226.652 | 1.00 | 5.41 | 2.085 | 11.7 | 93.8 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 10333.103 | 45226.652 | 1.00 | 5.57 | 2.856 | 12.2 | 97.4 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 40673.313 | 45226.652 | 1.00 | 5.59 | 11.242 | 12.5 | 100.4 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 3173.792 | 5196.414 | 1.00 | 5.24 | 7.635 | 12.6 | 100.9 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38830.172 | 38124.320 | 1.00 | 5.87 | 12.731 | 11.6 | 93.1 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | 37.730 | 3173.792 | 1.00 | 5.85 | 0.149 | 0.0 | | NO | 1.555 | NO |
| 67 | 37 | PFDoA | 612.9 > 569.0 | | 38830.172 | 1.00 | | | | | NO | | |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 18123.365 | 1.00 | | | | | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 245.359 | 38830.172 | 1.00 | 6.11 | 0.079 | 0.0 | | NO | 61.648 | YES |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 27253.000 | 1.00 | | | | | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 226.271 | 27253.000 | 1.00 | 6.31 | 0.104 | 0.0 | | NO | 18.637 | NO |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38830.172 | 38124.320 | 1.00 | 5.87 | 12.731 | 11.6 | 93.1 | NO | | |


CGH 7/30/2019

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38830.172 | 38124.320 | 1.00 | 5.87 | 12.731 | 11.6 | 93.1 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 18123.365 | 45226.652 | 1.00 | 5.83 | 5.009 | 136.3 | 90.9 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38830.172 | 38124.320 | 1.00 | 5.87 | 12.731 | 11.6 | 93.1 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 27253.000 | 45226.652 | 1.00 | 6.31 | 7.532 | 12.4 | 99.1 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 27253.000 | 45226.652 | 1.00 | 6.31 | 7.532 | 12.4 | 99.1 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 22049.973 | 1.00 | | | | | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | 257.612 | 13324.824 | 1.00 | 6.62 | 0.097 | 0.1 | | NO | 176.568 | YES |
| 81 | 44 | PFODA | 913.1 > 868.8 | 166.325 | 13324.824 | 1.00 | 6.84 | 0.062 | 0.0 | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | 50.891 | 14583.543 | 1.00 | 6.31 | 0.523 | 0.6 | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 15499.773 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 19516.148 | 19516.148 | 1.00 | 1.55 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 22049.973 | 45226.652 | 1.00 | 6.19 | 6.094 | 141.7 | 94.5 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 13324.824 | 45226.652 | 1.00 | 6.62 | 3.683 | 4.7 | 94.9 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 13324.824 | 45226.652 | 1.00 | 6.62 | 3.683 | 4.7 | 94.9 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 14583.543 | 45226.652 | 1.00 | 6.30 | 4.031 | 127.5 | 85.0 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 15499.773 | 45226.652 | 1.00 | 6.45 | 4.284 | 128.6 | 85.7 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 32940.379 | 32940.379 | 1.00 | 3.31 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 40778.023 | 40778.023 | 1.00 | 4.46 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 2151.240 | 2151.240 | 1.00 | 4.08 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 28053.510 | 28053.510 | 1.00 | 4.90 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 5196.414 | 5196.414 | 1.00 | 4.97 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 38124.320 | 38124.320 | 1.00 | 5.27 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 45226.652 | 45226.652 | 1.00 | 5.59 | 12.500 | 12.5 | 100.0 | NO | | |


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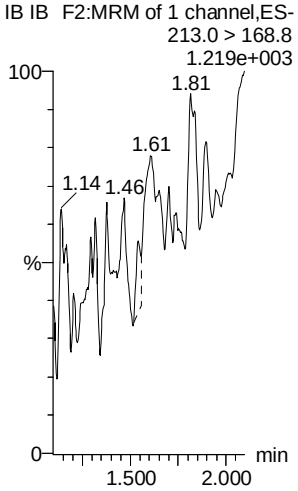
Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

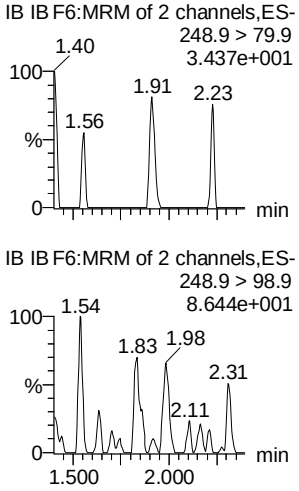
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919.mdb 30 Jul 2019 08:09:20**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-29-19.cdb 30 Jul 2019 08:10:04**

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

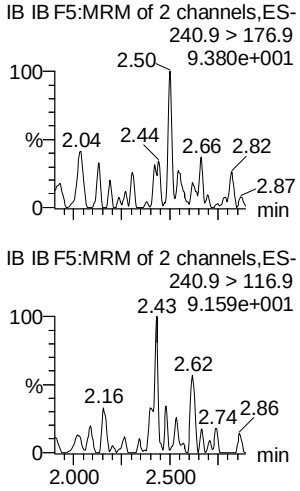
**PFBA**



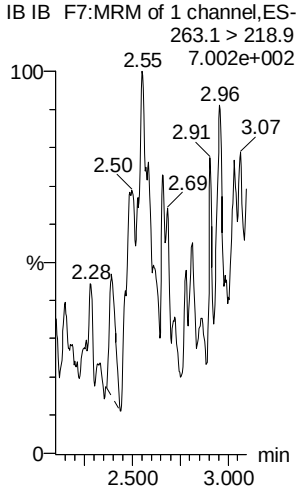

**PFPrS**



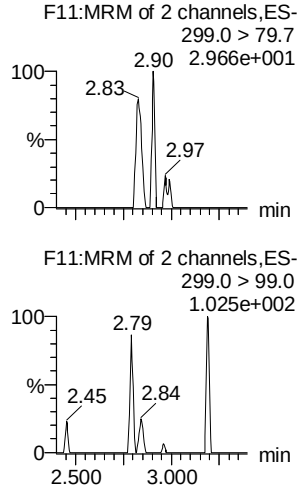

**3:3 FTCA**



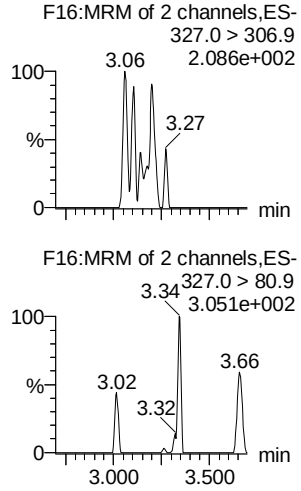

**PFPeA**



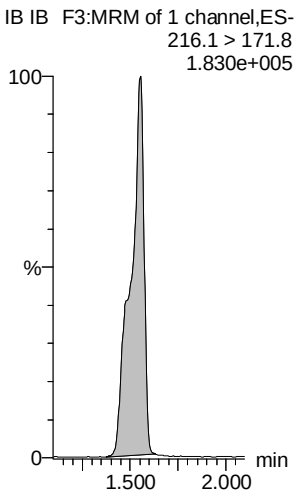

**PFBS**




**4:2 FTS**




**13C3-PFBA**

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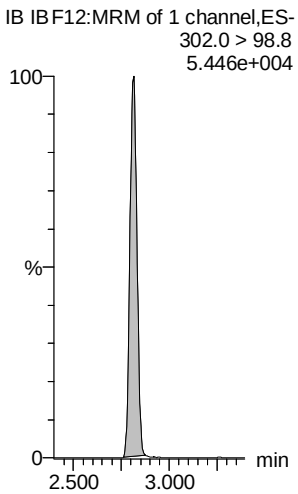


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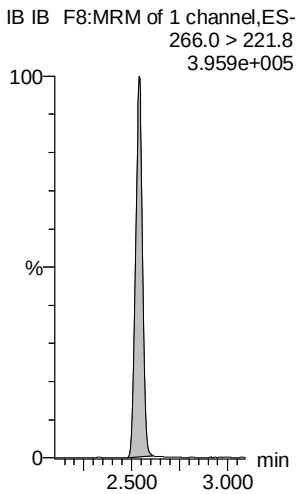


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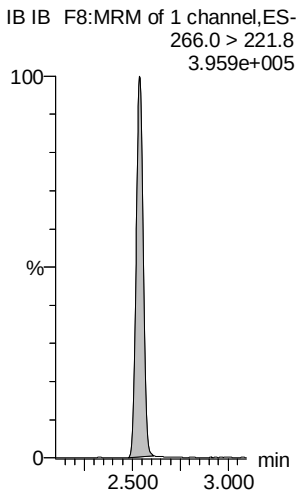


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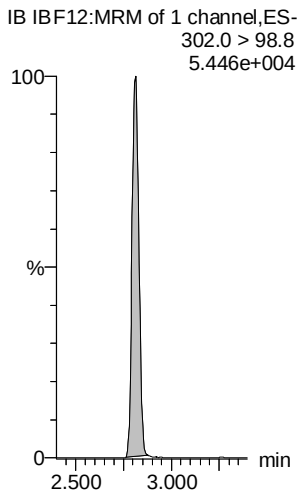
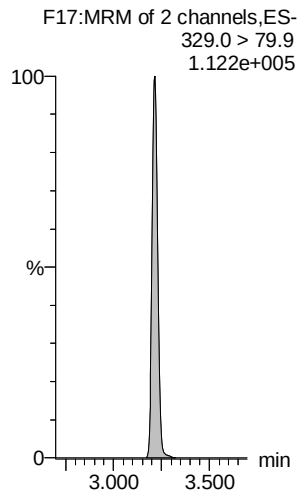



**13C2-4:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

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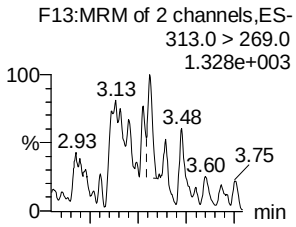
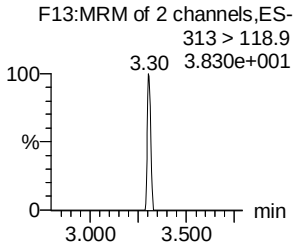
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

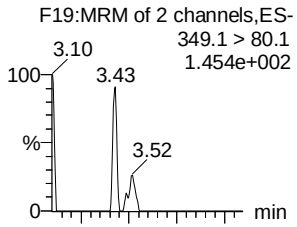
**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

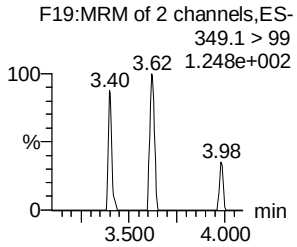
**PFHxA**



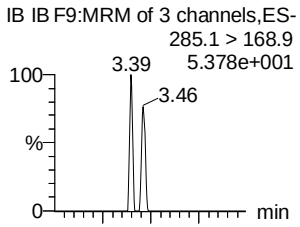



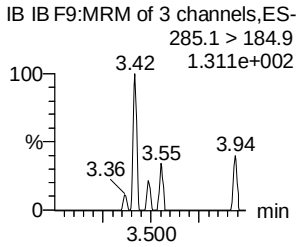

**PFPeS**



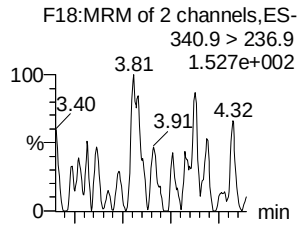



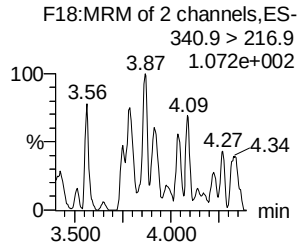

**HFPO-DA**



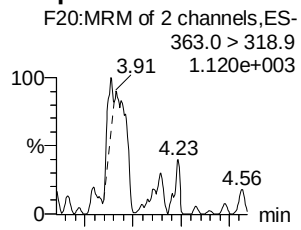



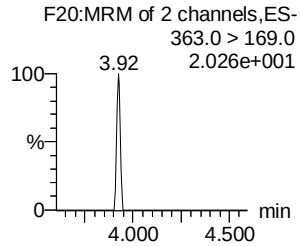

**5:3 FTCA**



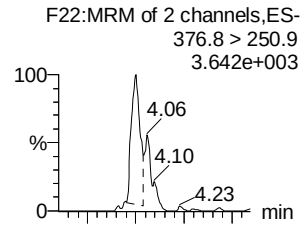



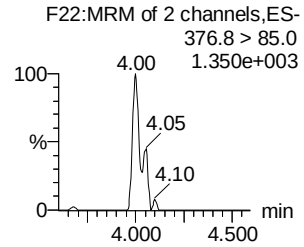

**PFHpA**




**ADONA**

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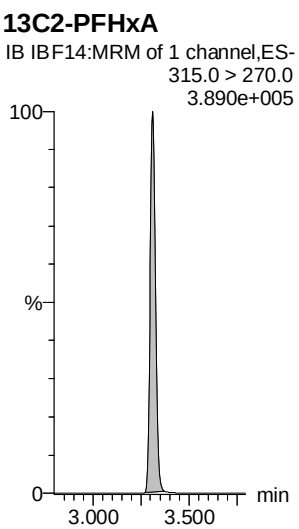
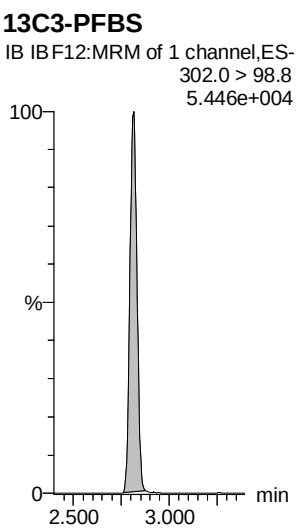
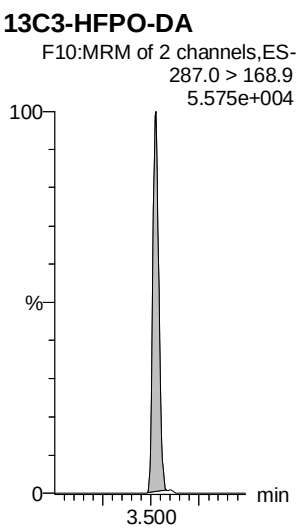


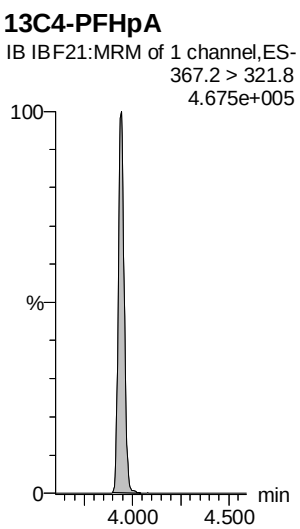

**13C3-PFBS**




**13C3-HFPO-DA**




**13C4-PFHpA**

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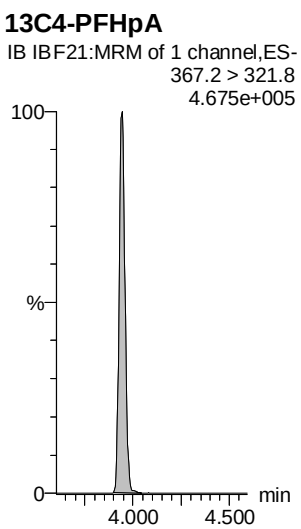


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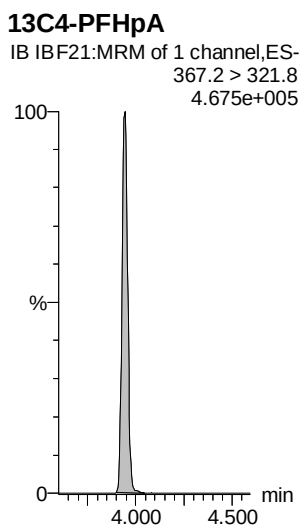

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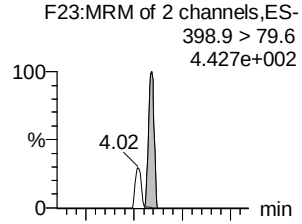
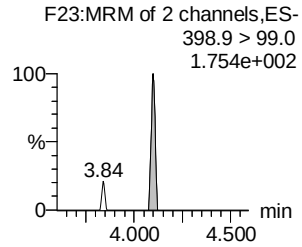
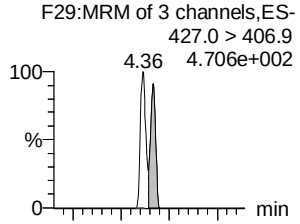
**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

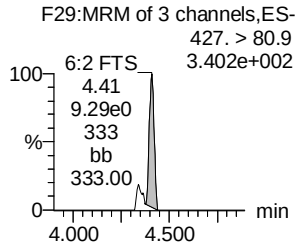
**L-PFHxS**



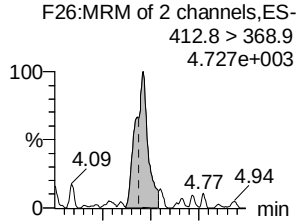



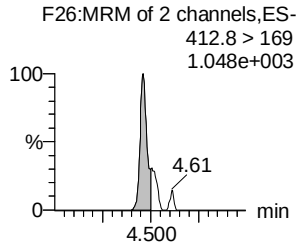

**6:2 FTS**



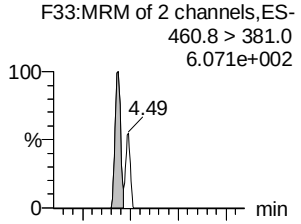



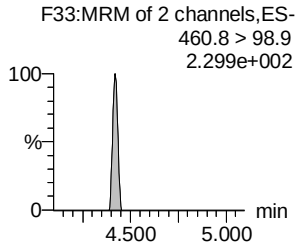

**L-PFOA**



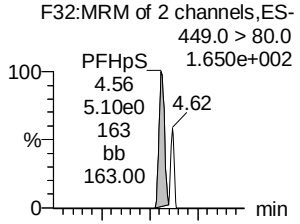



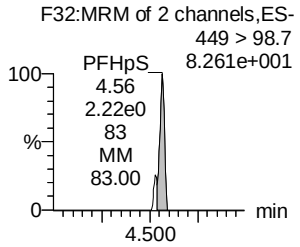

**PFEChS**



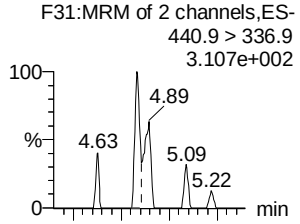



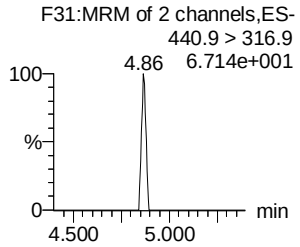

**PFHpS**



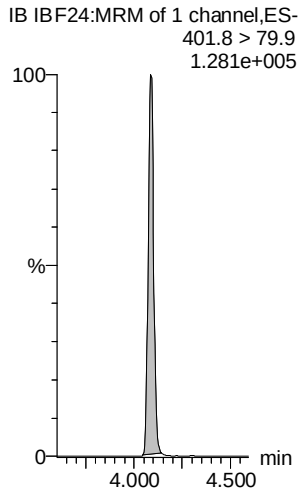




**7:3 FTCA**

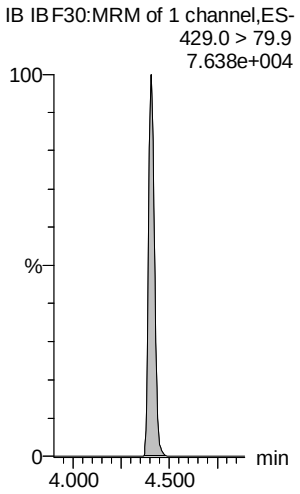


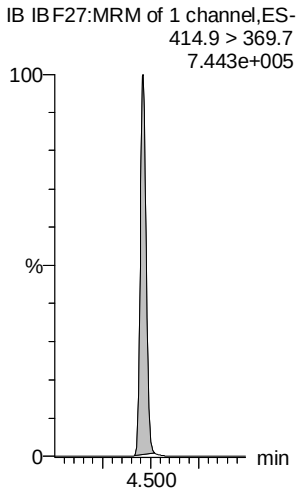

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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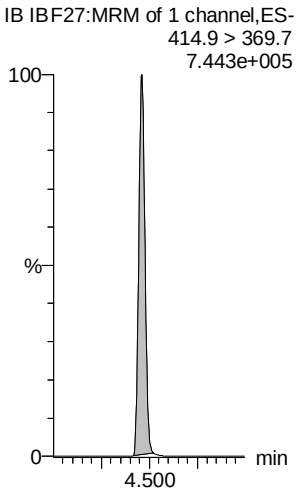
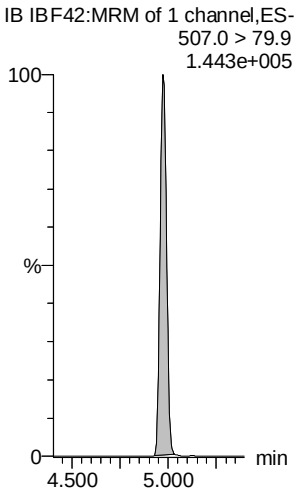



**13C8-PFOS**

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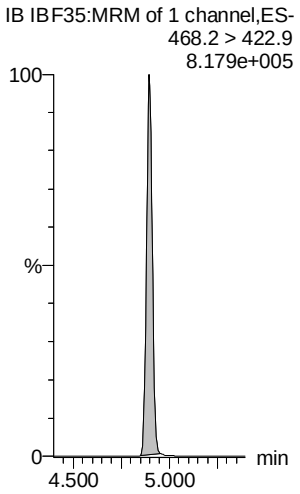

Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

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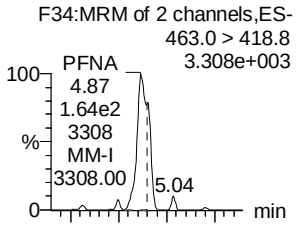
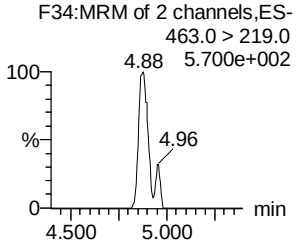
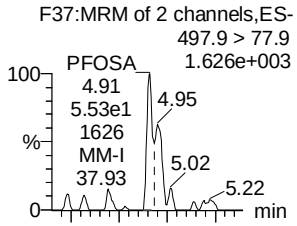
**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

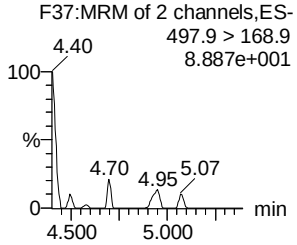
**PFNA**



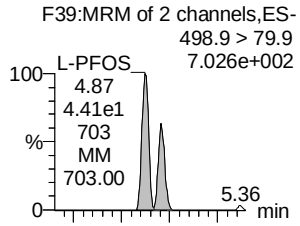



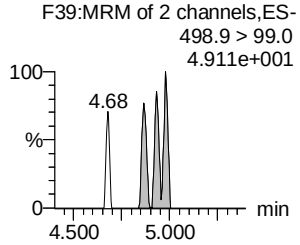

**PFOSA**




**L-PFOS**

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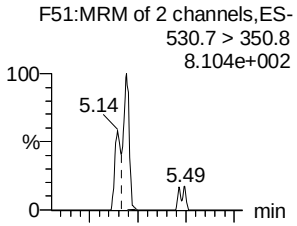


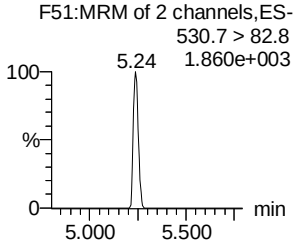


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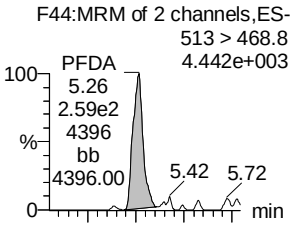
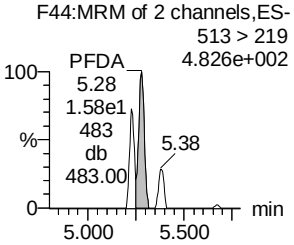
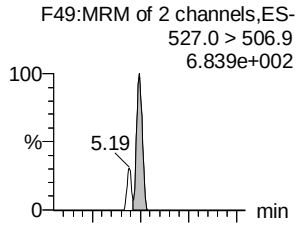
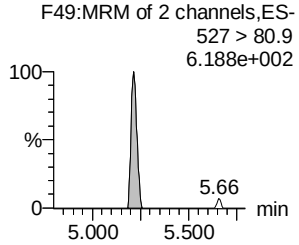



**8:2 FTS**

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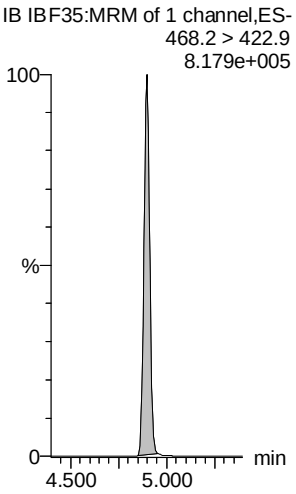
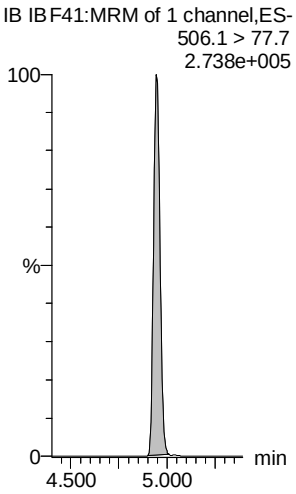



**13C8-PFOSA**

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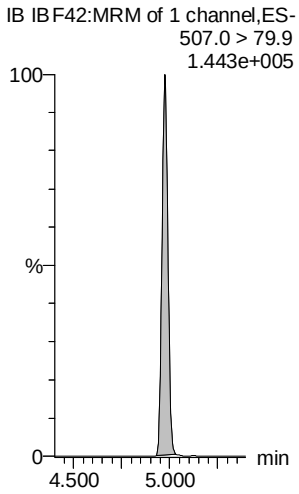


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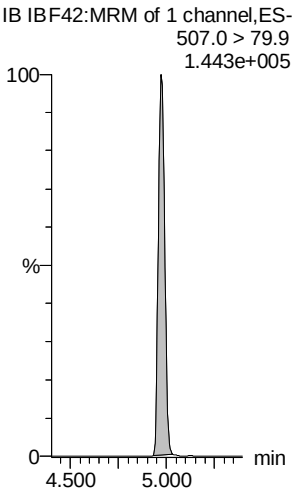


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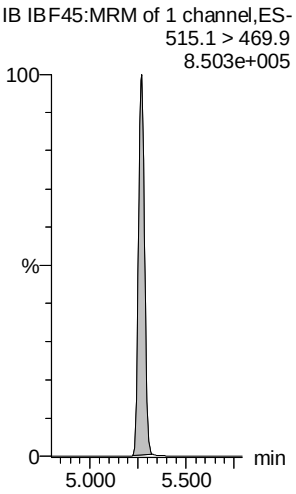
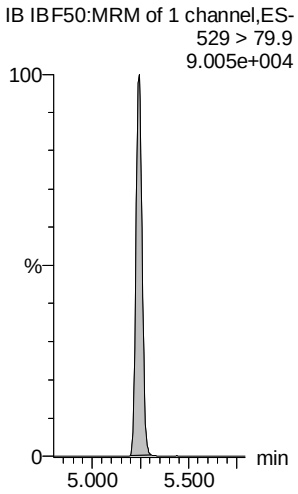



**13C2-8:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

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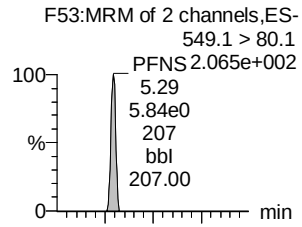
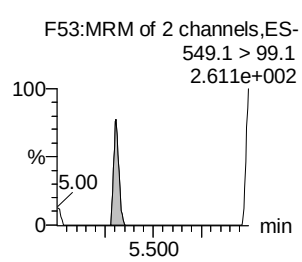
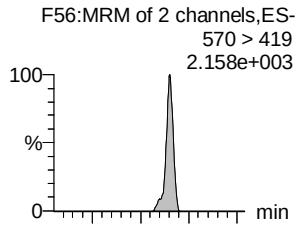
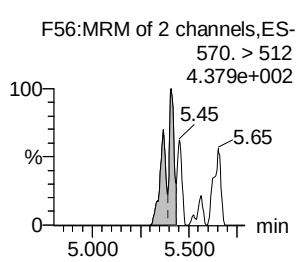



**L-MeFOSAA**

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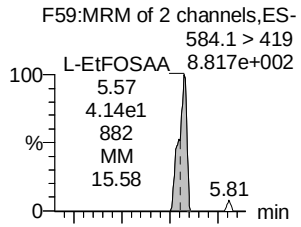


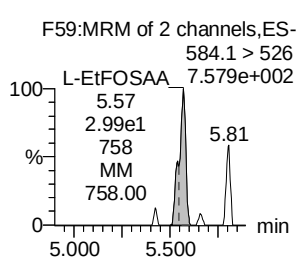


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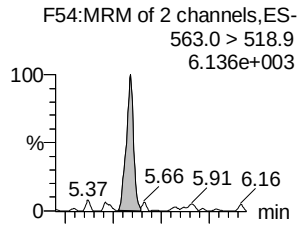


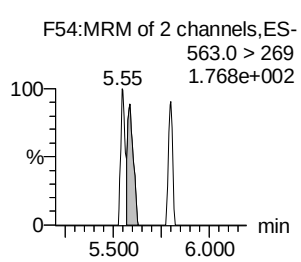


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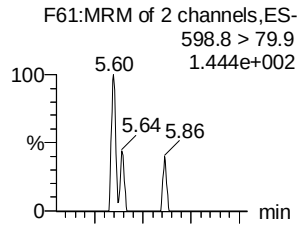


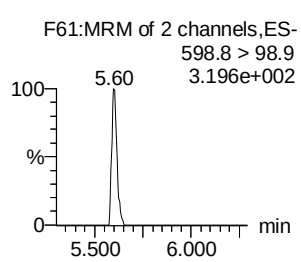


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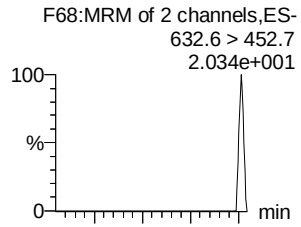
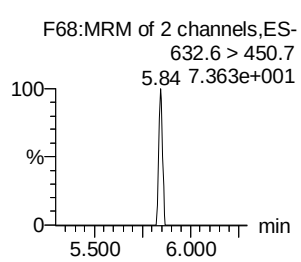
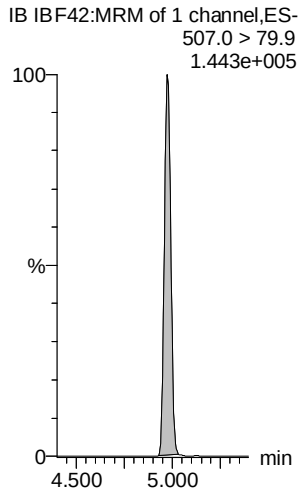
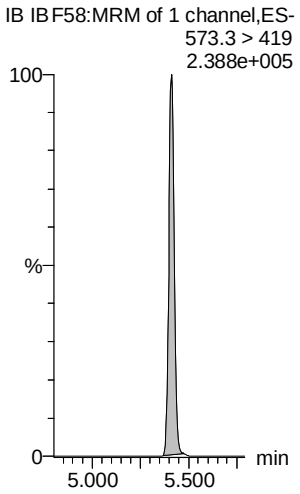


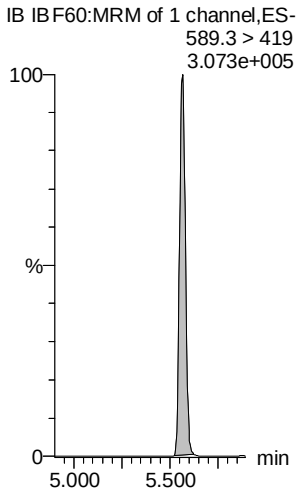

**13C8-PFOS**




**d3-N-MeFOSAA**




**d5-N-EtFOSAA**

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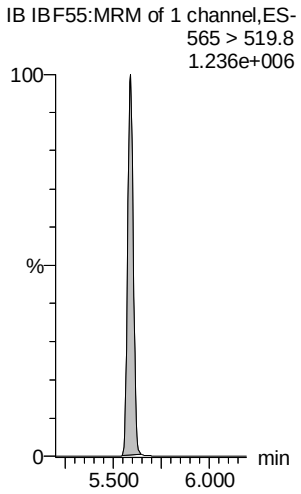
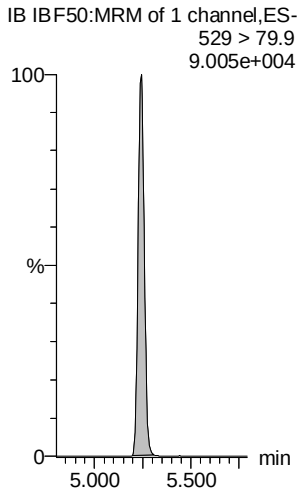



**13C2-8:2 FTS**

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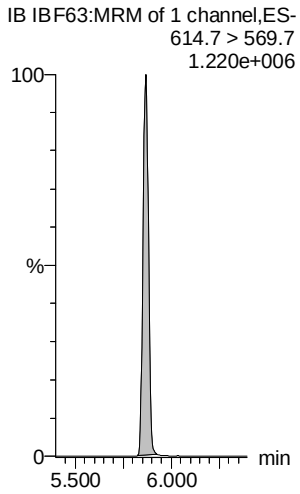

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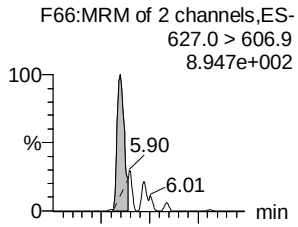
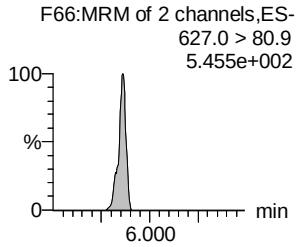
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

**10:2 FTS**

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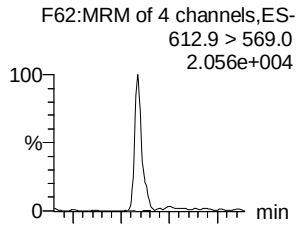


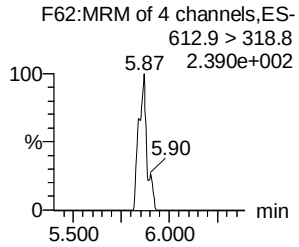


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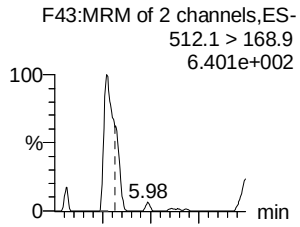


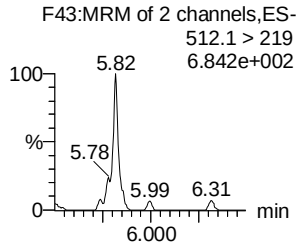


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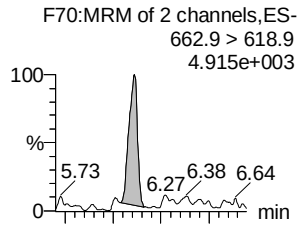


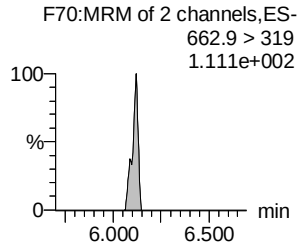


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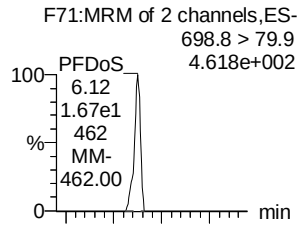


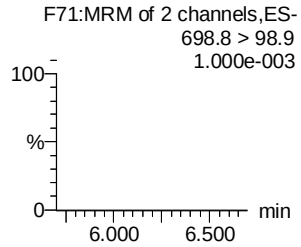


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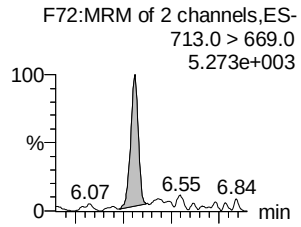


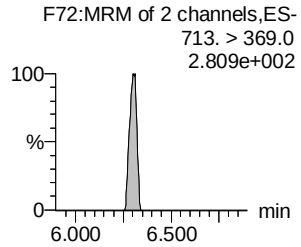


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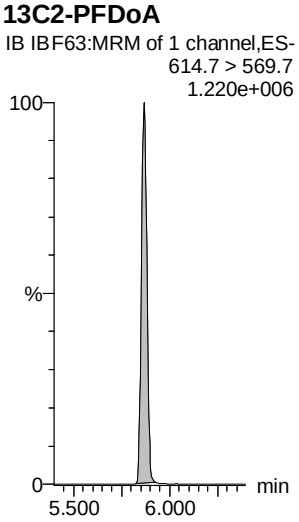


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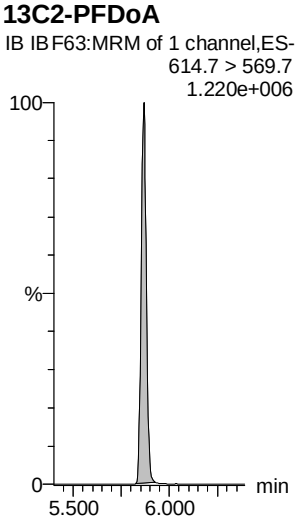
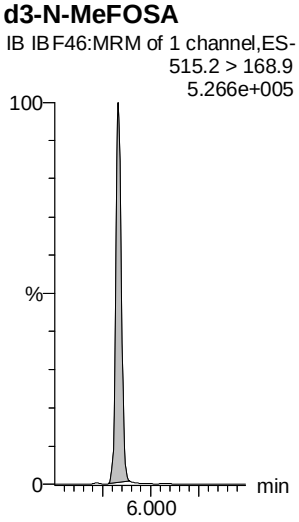



**d3-N-MeFOSA**

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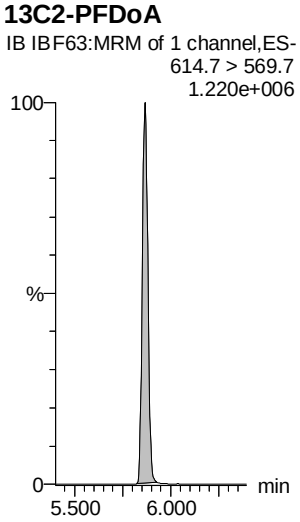


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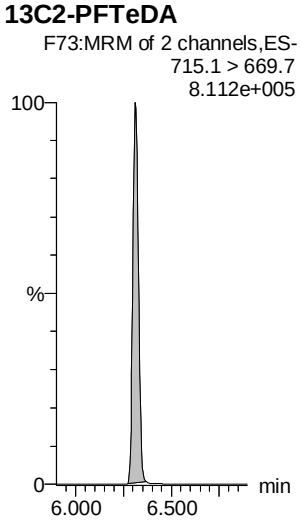


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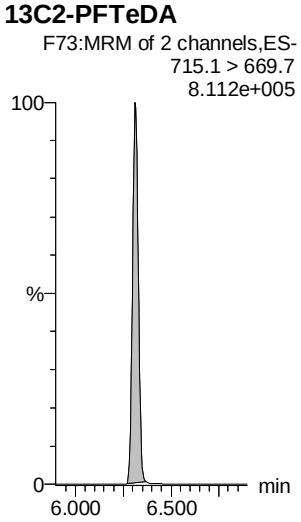

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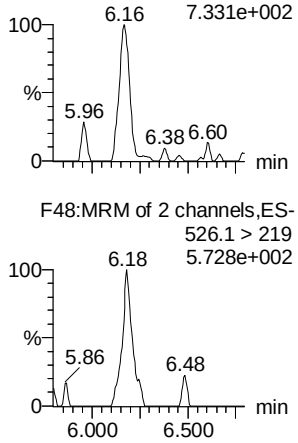
**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

**N-EtFOSA**

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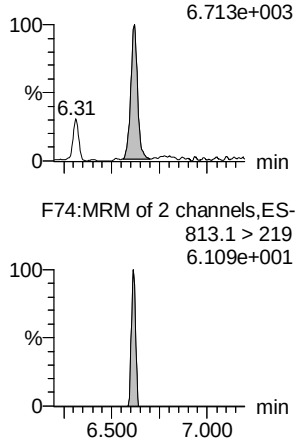


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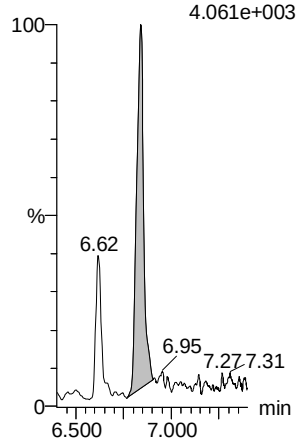
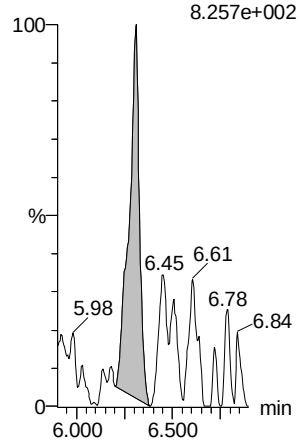
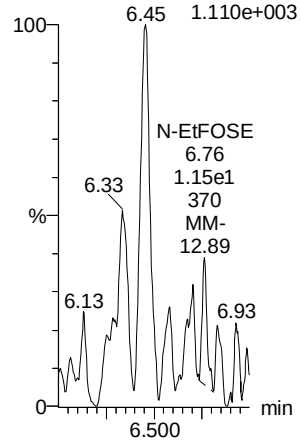


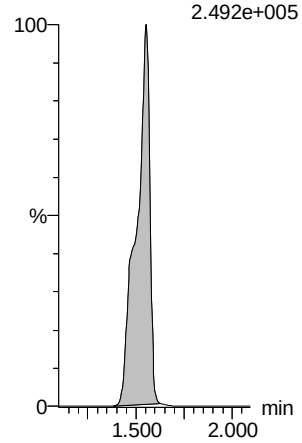

**N-MeFOSE**



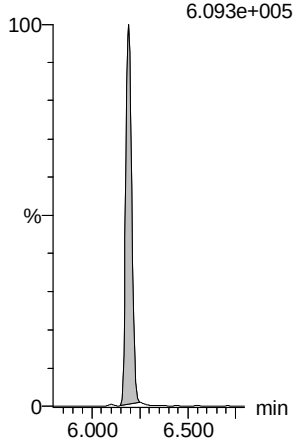

**N-EtFOSE**



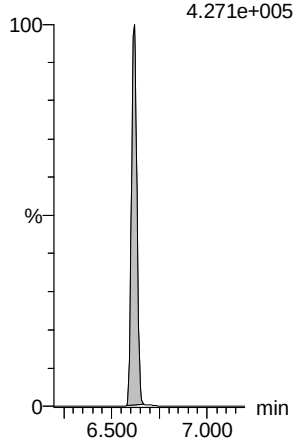

**13C4-PFBA**



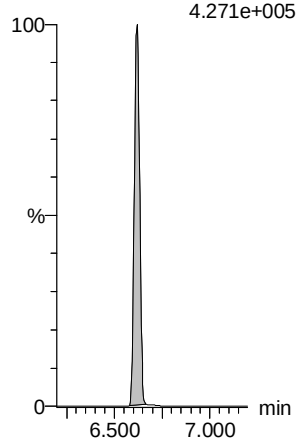

**d5-N-ETFOSA**



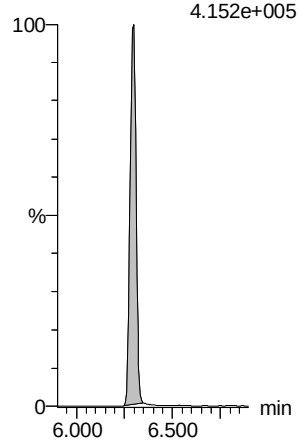

**13C2-PFHxDA**



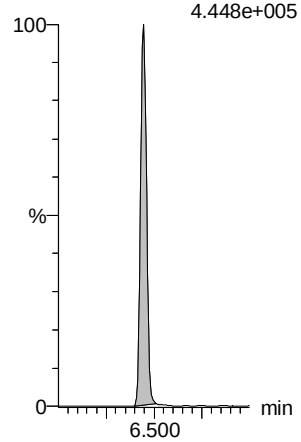

**13C2-PFHxDA**



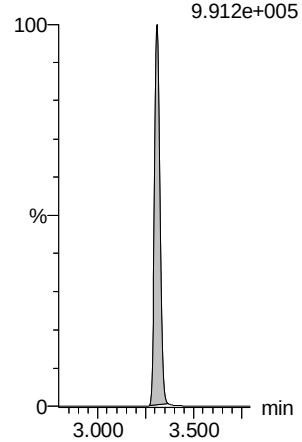

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

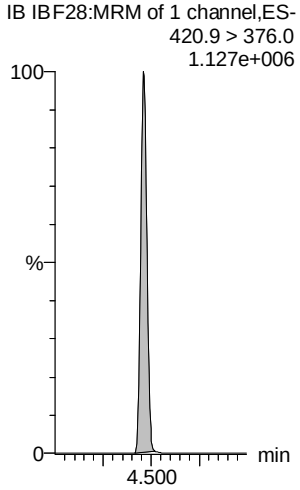


Dataset: F:\Projects\PFAS.PRO\Results\190729M1\190729M1-IB.qld

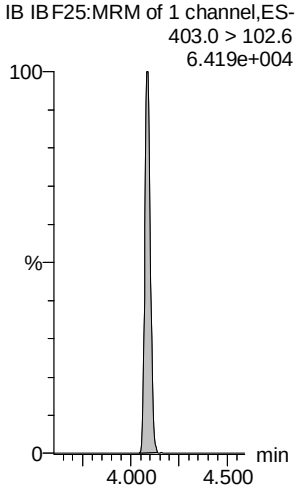
Last Altered: Tuesday, July 30, 2019 08:37:46 Pacific Daylight Time
Printed: Tuesday, July 30, 2019 08:42:47 Pacific Daylight Time

**Name: 190729M1_14, Date: 29-Jul-2019, Time: 16:08:51, ID: IB, Description: IB**

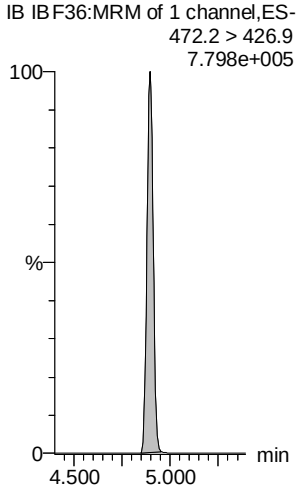
**13C8-PFOA**



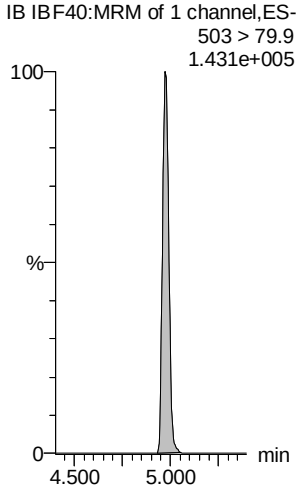

**18O2-PFHxS**



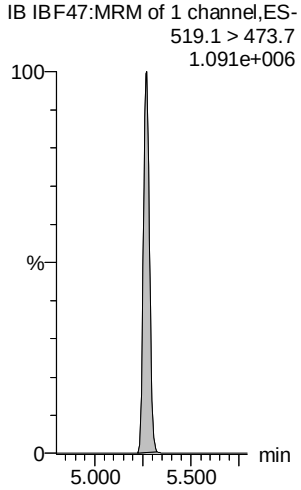

**13C9-PFNA**



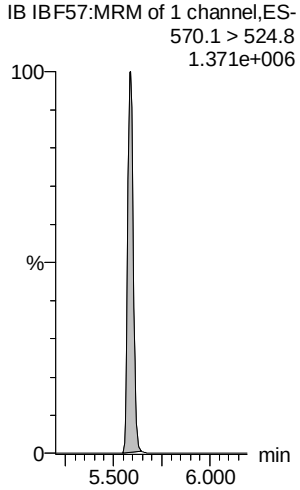

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**





CGH 7/30/2019

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

YM 9/4/19

**Compound name: PFBA**
Correlation coefficient: r = 0.999388, r^2 = 0.998777
Calibration curve: 1.36508 * x + -0.111105
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 1.35 | 155.070 | 6149.961 | 0.315 | 0.3 | 24.9 | NO | 0.999 | NO | MM |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 1.36 | 261.541 | 6054.958 | 0.540 | 0.5 | -4.6 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 1.35 | 562.071 | 5836.274 | 1.204 | 1.0 | -3.7 | NO | 0.999 | NO | MM |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 1.35 | 1199.736 | 6131.983 | 2.446 | 1.9 | -6.4 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 1.35 | 3165.400 | 6026.559 | 6.566 | 4.9 | -2.2 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 1.35 | 6286.155 | 5792.540 | 13.565 | 10.0 | 0.2 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 1.35 | 31255.873 | 5930.932 | 65.875 | 48.3 | -3.3 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 1.35 | 61391.969 | 5880.261 | 130.504 | 95.7 | -4.3 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 1.35 | 149085.703 | 5675.962 | 328.327 | 240.6 | -3.8 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 1.36 | 296289.781 | 5262.975 | 703.713 | 515.6 | 3.1 | NO | 0.999 | NO | bb |

**Compound name: PFPrS**
Coefficient of Determination: R^2 = 0.999893
Calibration curve: 0.000832257 * x^2 + 1.62145 * x + -0.148244
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 1.70 | 27.579 | 1049.724 | 0.328 | 0.3 | 17.6 | NO | 1.000 | NO | MM |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 1.70 | 49.389 | 971.873 | 0.635 | 0.5 | -3.4 | NO | 1.000 | NO | MM |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 1.70 | 128.970 | 1100.023 | 1.466 | 1.0 | -0.5 | NO | 1.000 | NO | MM |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 1.70 | 254.473 | 1159.981 | 2.742 | 1.8 | -10.9 | NO | 1.000 | NO | MM |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 1.70 | 652.783 | 1073.684 | 7.600 | 4.8 | -4.7 | NO | 1.000 | NO | MM |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 1.70 | 1413.956 | 1052.928 | 16.786 | 10.4 | 3.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 1.70 | 6914.754 | 1064.264 | 81.215 | 48.9 | -2.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 1.70 | 13453.608 | 994.594 | 169.084 | 99.3 | -0.7 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 1.70 | 32193.992 | 869.974 | 462.571 | 252.6 | 1.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 1.70 | 56419.609 | 693.873 | 1016.389 | 499.1 | -0.2 | NO | 1.000 | NO | bb |

CAH 8/3/19

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: 3:3 FTCA**
Coefficient of Determination: R^2 = 0.997074
Calibration curve: 1.86948e-005 * x^2 + 0.0428915 * x + -0.00167315
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 2.15 | 6.473 | 7368.542 | 0.011 | 0.3 | 18.0 | NO | 0.997 | NO | MM |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 2.16 | 9.060 | 6714.608 | 0.017 | 0.4 | -13.6 | NO | 0.997 | NO | MM |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 2.18 | 21.277 | 7047.087 | 0.038 | 0.9 | -8.1 | NO | 0.997 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 2.18 | 59.171 | 7148.938 | 0.103 | 2.4 | 22.4 | NO | 0.997 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 2.18 | 105.989 | 6860.373 | 0.193 | 4.5 | -9.3 | NO | 0.997 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 2.18 | 207.388 | 6981.096 | 0.371 | 8.7 | -13.4 | NO | 0.997 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 2.18 | 1252.613 | 6798.914 | 2.303 | 52.5 | 5.1 | NO | 0.997 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 2.18 | 2333.852 | 6593.991 | 4.424 | 98.9 | -1.1 | NO | 0.997 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 2.18 | 1218.206 | 6237.354 | 2.441 | 55.6 | -77.8 | YES | 0.997 | NO | bbX |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 2.18 | 2331.089 | 5296.813 | 5.501 | 121.8 | -75.6 | YES | 0.997 | NO | bbX |

**Compound name: PFPeA**
Correlation coefficient: r = 0.999953, r^2 = 0.999906
Calibration curve: 0.860543 * x + 0.0223738
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 2.32 | 145.725 | 7368.542 | 0.247 | 0.3 | 4.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 2.33 | 215.007 | 6714.608 | 0.400 | 0.4 | -12.2 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 2.33 | 544.689 | 7047.087 | 0.966 | 1.1 | 9.7 | NO | 1.000 | NO | db |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 2.33 | 985.672 | 7148.938 | 1.723 | 2.0 | -1.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 2.33 | 2373.469 | 6860.373 | 4.325 | 5.0 | -0.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 2.33 | 4805.235 | 6981.096 | 8.604 | 10.0 | -0.3 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 2.33 | 23741.271 | 6798.914 | 43.649 | 50.7 | 1.4 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 2.33 | 44538.910 | 6593.991 | 84.431 | 98.1 | -1.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 2.33 | 106758.063 | 6237.354 | 213.949 | 248.6 | -0.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 2.33 | 183292.297 | 5296.813 | 432.553 | 502.6 | 0.5 | NO | 1.000 | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFBS**
Correlation coefficient: r = 0.999690, r^2 = 0.999379
Calibration curve: 2.18208 * x + -0.187129
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 2.61 | 37.750 | 1049.724 | 0.450 | 0.3 | 16.7 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 2.62 | 82.372 | 971.873 | 1.059 | 0.6 | 14.3 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 2.61 | 156.004 | 1100.023 | 1.773 | 0.9 | -10.2 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 2.62 | 359.681 | 1159.981 | 3.876 | 1.9 | -6.9 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 2.62 | 895.412 | 1073.684 | 10.425 | 4.9 | -2.7 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 2.62 | 1753.246 | 1052.928 | 20.814 | 9.6 | -3.8 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 2.62 | 8942.803 | 1064.264 | 105.035 | 48.2 | -3.6 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 2.62 | 16529.615 | 994.594 | 207.743 | 95.3 | -4.7 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 2.62 | 37543.039 | 869.974 | 539.428 | 247.3 | -1.1 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 2.62 | 61744.340 | 693.873 | 1112.313 | 509.8 | 2.0 | NO | 0.999 | NO | bb |

**Compound name: 4:2 FTS**
Coefficient of Determination: R^2 = 0.999825
Calibration curve: 3.21907e-005 * x^2 + 2.48547 * x + -0.0708481
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 3.01 | 95.268 | 2193.830 | 0.543 | 0.2 | -1.2 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 3.02 | 214.313 | 1981.898 | 1.352 | 0.6 | 14.5 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 3.02 | 356.493 | 2036.814 | 2.188 | 0.9 | -9.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 3.02 | 831.273 | 2092.726 | 4.965 | 2.0 | 1.3 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 3.02 | 1764.545 | 1941.438 | 11.361 | 4.6 | -8.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 3.02 | 3979.898 | 1982.573 | 25.093 | 10.1 | 1.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 3.02 | 18875.822 | 1897.094 | 124.373 | 50.0 | 0.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 3.02 | 33463.719 | 1641.608 | 254.809 | 102.4 | 2.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 3.02 | 69142.633 | 1405.608 | 614.882 | 246.6 | -1.3 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 3.02 | 109391.875 | 1090.674 | 1253.719 | 501.2 | 0.2 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFHxA**
Correlation coefficient: r = 0.999585, r^2 = 0.999170
Calibration curve: 1.07581 * x + 0.00957956
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.11 | 282.651 | 4975.520 | 0.284 | 0.3 | 2.0 | NO | 0.999 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.11 | 488.979 | 4841.847 | 0.505 | 0.5 | -7.9 | NO | 0.999 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.11 | 1043.285 | 4877.055 | 1.070 | 1.0 | -1.5 | NO | 0.999 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.11 | 2243.086 | 5197.683 | 2.158 | 2.0 | -0.2 | NO | 0.999 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.11 | 5397.357 | 4933.268 | 5.470 | 5.1 | 1.5 | NO | 0.999 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.11 | 10807.901 | 4795.152 | 11.270 | 10.5 | 4.7 | NO | 0.999 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.11 | 53867.426 | 4809.340 | 56.003 | 52.0 | 4.1 | NO | 0.999 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.11 | 101728.523 | 4536.441 | 112.124 | 104.2 | 4.2 | NO | 0.999 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.11 | 226790.813 | 4400.630 | 257.680 | 239.5 | -4.2 | NO | 0.999 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.11 | 389394.219 | 3592.659 | 541.930 | 503.7 | 0.7 | NO | 0.999 | NO | bb |

**Compound name: PFPeS**
Coefficient of Determination: R^2 = 0.999763
Calibration curve: -0.000306259 * x^2 + 1.60202 * x + -0.129264
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.31 | 25.477 | 1049.724 | 0.303 | 0.3 | 8.0 | NO | 1.000 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.32 | 50.026 | 971.873 | 0.643 | 0.5 | -3.5 | NO | 1.000 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.32 | 116.918 | 1100.023 | 1.329 | 0.9 | -9.0 | NO | 1.000 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.32 | 279.924 | 1159.981 | 3.016 | 2.0 | -1.8 | NO | 1.000 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.32 | 670.885 | 1073.684 | 7.811 | 5.0 | -0.8 | NO | 1.000 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.32 | 1417.266 | 1052.928 | 16.825 | 10.6 | 6.0 | NO | 1.000 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.32 | 6766.062 | 1064.264 | 79.469 | 50.2 | 0.3 | NO | 1.000 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.32 | 12768.813 | 994.594 | 160.478 | 102.3 | 2.3 | NO | 1.000 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.31 | 26018.270 | 869.974 | 373.837 | 244.9 | -2.0 | NO | 1.000 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.31 | 40370.871 | 693.873 | 727.274 | 502.3 | 0.5 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: HFPO-DA**
Coefficient of Determination: R^2 = 0.996640
Calibration curve: -0.000462013 * x^2 + 0.594879 * x + -0.0562457
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.33 | 34.152 | 1309.872 | 0.130 | 0.3 | 25.5 | NO | 0.997 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.32 | 70.545 | 1387.175 | 0.254 | 0.5 | 4.4 | NO | 0.997 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.33 | 161.423 | 1305.440 | 0.618 | 1.1 | 13.5 | NO | 0.997 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.33 | 335.241 | 1574.557 | 1.065 | 1.9 | -5.7 | NO | 0.997 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.33 | 651.067 | 1292.713 | 2.518 | 4.3 | -13.2 | NO | 0.997 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.33 | 1454.321 | 1561.170 | 4.658 | 8.0 | -20.3 | NO | 0.997 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.33 | 7865.020 | 1510.427 | 26.036 | 45.5 | -9.1 | NO | 0.997 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.33 | 13158.738 | 1205.393 | 54.583 | 99.5 | -0.5 | NO | 0.997 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.33 | 30443.461 | 1192.757 | 127.618 | 272.1 | 8.9 | NO | 0.997 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.33 | 32225.902 | 903.762 | 178.288 | 475.1 | -5.0 | NO | 0.997 | NO | bb |

**Compound name: 5:3 FTCA**
Coefficient of Determination: R^2 = 0.999535
Calibration curve: 0.00040022 * x^2 + 0.266893 * x + -0.00305408
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.67 | 37.778 | 6198.693 | 0.076 | 0.3 | 18.7 | NO | 1.000 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.67 | 47.686 | 5402.200 | 0.110 | 0.4 | -15.1 | NO | 1.000 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.67 | 120.415 | 5900.457 | 0.255 | 1.0 | -3.4 | NO | 1.000 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.67 | 263.975 | 5972.385 | 0.552 | 2.1 | 3.8 | NO | 1.000 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.67 | 654.653 | 6043.199 | 1.354 | 5.0 | 0.9 | NO | 1.000 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.67 | 1172.752 | 5793.968 | 2.530 | 9.4 | -6.4 | NO | 1.000 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.67 | 6902.964 | 5898.684 | 14.628 | 50.9 | 1.9 | NO | 1.000 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.67 | 13022.144 | 5326.105 | 30.562 | 99.6 | -0.4 | NO | 1.000 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.67 | 6699.094 | 4809.260 | 17.412 | 59.9 | -76.0 | YES | 1.000 | NO | bbX |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.67 | 13258.114 | 3756.156 | 44.121 | 137.1 | -72.6 | YES | 1.000 | NO | bbX |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFHpA**
Correlation coefficient: r = 0.998554, r^2 = 0.997110
Calibration curve: 1.23471 * x + -0.106876
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.74 | 105.516 | 6198.693 | 0.213 | 0.3 | 3.6 | NO | 0.997 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.74 | 292.085 | 5402.200 | 0.676 | 0.6 | 26.8 | NO | 0.997 | NO | bd |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.74 | 497.066 | 5900.457 | 1.053 | 0.9 | -6.1 | NO | 0.997 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.74 | 1169.599 | 5972.385 | 2.448 | 2.1 | 3.5 | NO | 0.997 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.74 | 2688.438 | 6043.199 | 5.561 | 4.6 | -8.2 | NO | 0.997 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.74 | 5384.233 | 5793.968 | 11.616 | 9.5 | -5.1 | NO | 0.997 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.74 | 26757.438 | 5898.684 | 56.702 | 46.0 | -8.0 | NO | 0.997 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.74 | 49387.855 | 5326.105 | 115.910 | 94.0 | -6.0 | NO | 0.997 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.74 | 112464.844 | 4809.260 | 292.313 | 236.8 | -5.3 | NO | 0.997 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.74 | 194367.719 | 3756.156 | 646.831 | 524.0 | 4.8 | NO | 0.997 | NO | bb |

**Compound name: ADONA**
Correlation coefficient: r = 0.998050, r^2 = 0.996105
Calibration curve: 4.72025 * x + -0.515935
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 3.85 | 495.796 | 6198.693 | 1.000 | 0.3 | 28.4 | NO | 0.996 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 3.85 | 950.349 | 5402.200 | 2.199 | 0.6 | 15.0 | NO | 0.996 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 3.85 | 1965.358 | 5900.457 | 4.164 | 1.0 | -0.9 | NO | 0.996 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 3.85 | 4173.056 | 5972.385 | 8.734 | 2.0 | -2.0 | NO | 0.996 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.85 | 9797.329 | 6043.199 | 20.265 | 4.4 | -11.9 | NO | 0.996 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 3.85 | 19262.322 | 5793.968 | 41.557 | 8.9 | -10.9 | NO | 0.996 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 3.85 | 99671.406 | 5898.684 | 211.215 | 44.9 | -10.3 | NO | 0.996 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 3.86 | 185189.563 | 5326.105 | 434.627 | 92.2 | -7.8 | NO | 0.996 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 3.85 | 430313.500 | 4809.260 | 1118.450 | 237.1 | -5.2 | NO | 0.996 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 3.85 | 748032.500 | 3756.156 | 2489.355 | 527.5 | 5.5 | NO | 0.996 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: L-PFHxS**
Coefficient of Determination: R^2 = 0.999834
Calibration curve: 0.00010717 * x^2 + 0.921524 * x + 0.00229446
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 3.90 | 56.373 | 2401.772 | 0.293 | 0.3 | 26.4 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 3.89 | 79.829 | 2173.684 | 0.459 | 0.5 | -0.9 | NO | 1.000 | NO | MM |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 3.89 | 153.691 | 2317.304 | 0.829 | 0.9 | -10.3 | NO | 1.000 | NO | MM |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 3.89 | 299.952 | 2262.423 | 1.657 | 1.8 | -10.2 | NO | 1.000 | NO | MM |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 3.89 | 857.949 | 2270.227 | 4.724 | 5.1 | 2.4 | NO | 1.000 | NO | MM |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 3.89 | 1614.534 | 2343.604 | 8.611 | 9.3 | -6.7 | NO | 1.000 | NO | MM |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 3.89 | 8432.710 | 2313.936 | 45.554 | 49.1 | -1.7 | NO | 1.000 | NO | MM |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 3.89 | 15398.194 | 2019.468 | 95.311 | 102.2 | 2.2 | NO | 1.000 | NO | MM |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 3.89 | 36044.980 | 1904.218 | 236.613 | 249.5 | -0.2 | NO | 1.000 | NO | MM |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 3.89 | 62392.895 | 1599.931 | 487.466 | 499.9 | -0.0 | NO | 1.000 | NO | MM |

**Compound name: 6:2 FTS**
Coefficient of Determination: R^2 = 0.999554
Calibration curve: -0.000784506 * x^2 + 2.67688 * x + -0.178558
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 4.21 | 47.613 | 1621.484 | 0.367 | 0.2 | -18.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 4.21 | 127.089 | 1599.952 | 0.993 | 0.4 | -12.5 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 4.21 | 371.442 | 1697.811 | 2.735 | 1.1 | 8.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 4.20 | 685.469 | 1694.602 | 5.056 | 2.0 | -2.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 4.21 | 1730.637 | 1625.932 | 13.305 | 5.0 | 0.9 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 4.21 | 3357.763 | 1604.939 | 26.152 | 9.9 | -1.4 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 4.21 | 16202.261 | 1626.293 | 124.534 | 47.2 | -5.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 4.21 | 28975.791 | 1343.795 | 269.533 | 103.9 | 3.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 4.21 | 60973.570 | 1233.415 | 617.934 | 249.1 | -0.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 4.21 | 99781.055 | 1092.249 | 1141.922 | 499.9 | -0.0 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: L-PFOA**
Correlation coefficient: r = 0.999973, r^2 = 0.999947
Calibration curve: 1.85676 * x + 0.0317156
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 4.26 | 525.897 | 12068.668 | 0.545 | 0.3 | 10.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 4.26 | 862.505 | 11092.140 | 0.972 | 0.5 | 1.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 4.26 | 1580.578 | 11953.850 | 1.653 | 0.9 | -12.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 4.26 | 3451.088 | 11580.060 | 3.725 | 2.0 | -0.5 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 4.26 | 8426.047 | 11146.878 | 9.449 | 5.1 | 1.4 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 4.26 | 17434.127 | 11478.813 | 18.985 | 10.2 | 2.1 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 4.26 | 83271.641 | 11367.939 | 91.564 | 49.3 | -1.4 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 4.26 | 151335.734 | 10286.980 | 183.892 | 99.0 | -1.0 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 4.26 | 329847.000 | 8879.872 | 464.318 | 250.1 | 0.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 4.26 | 516702.531 | 6936.625 | 931.113 | 501.5 | 0.3 | NO | 1.000 | NO | bb |

**Compound name: PFecHS**
Coefficient of Determination: R^2 = 0.999944
Calibration curve: 0.000132385 * x^2 + 0.321927 * x + -0.0368909
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 4.27 | 35.963 | 12068.668 | 0.037 | 0.2 | -7.9 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 4.28 | 128.129 | 11092.140 | 0.144 | 0.6 | 12.6 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 4.28 | 294.099 | 11953.850 | 0.308 | 1.1 | 6.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 4.28 | 552.048 | 11580.060 | 0.596 | 2.0 | -1.8 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 4.28 | 1265.320 | 11146.878 | 1.419 | 4.5 | -9.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 4.28 | 2910.333 | 11478.813 | 3.169 | 9.9 | -0.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 4.28 | 15000.639 | 11367.939 | 16.494 | 50.3 | 0.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 4.28 | 27532.467 | 10286.980 | 33.455 | 99.9 | -0.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 4.28 | 63142.316 | 8879.872 | 88.884 | 250.4 | 0.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 4.28 | 107621.578 | 6936.625 | 193.937 | 499.8 | -0.0 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFHpS**
Coefficient of Determination: R^2 = 0.999172
Calibration curve: 0.000201938 * x^2 + 0.786227 * x + -0.00035739
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 4.37 | 33.040 | 2340.556 | 0.176 | 0.2 | -10.1 | NO | 0.999 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 4.38 | 76.123 | 2228.985 | 0.427 | 0.5 | 8.7 | NO | 0.999 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 4.38 | 136.368 | 2272.831 | 0.750 | 1.0 | -4.6 | NO | 0.999 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 4.38 | 282.305 | 2285.544 | 1.544 | 2.0 | -1.8 | NO | 0.999 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 4.38 | 677.053 | 2349.946 | 3.601 | 4.6 | -8.5 | NO | 0.999 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 4.38 | 1575.582 | 2249.895 | 8.754 | 11.1 | 11.0 | NO | 0.999 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 4.38 | 7706.698 | 2279.053 | 42.269 | 53.0 | 6.1 | NO | 0.999 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 4.38 | 13658.563 | 2070.769 | 82.449 | 102.2 | 2.2 | NO | 0.999 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 4.38 | 31634.387 | 1968.041 | 200.926 | 240.7 | -3.7 | NO | 0.999 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 4.38 | 52671.789 | 1472.585 | 447.103 | 503.5 | 0.7 | NO | 0.999 | NO | bb |

**Compound name: 7:3 FTCA**
Coefficient of Determination: R^2 = 0.998478
Calibration curve: 7.35523e-005 * x^2 + 0.191559 * x + -0.0229662
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 4.69 | 20.966 | 12974.771 | 0.020 | 0.2 | -9.9 | NO | 0.998 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 4.69 | 49.771 | 12786.419 | 0.049 | 0.4 | -25.2 | NO | 0.998 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 4.69 | 215.439 | 12889.909 | 0.209 | 1.2 | 21.0 | NO | 0.998 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 4.69 | 428.171 | 13898.928 | 0.385 | 2.1 | 6.4 | NO | 0.998 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 4.69 | 1113.883 | 12846.452 | 1.084 | 5.8 | 15.3 | NO | 0.998 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 4.69 | 1882.352 | 13298.122 | 1.769 | 9.3 | -6.8 | NO | 0.998 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 4.69 | 10198.278 | 13246.027 | 9.624 | 49.4 | -1.2 | NO | 0.998 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 4.69 | 19306.309 | 12108.269 | 19.931 | 100.3 | 0.3 | NO | 0.998 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 4.69 | 9930.837 | 10186.979 | 12.186 | 62.2 | -75.1 | YES | 0.998 | NO | bbX |
| 10 | 10 190802M1_15 | Standard | 500.000 | 4.69 | 16934.893 | 8977.043 | 23.581 | 117.9 | -76.4 | YES | 0.998 | NO | bbX |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFNA**
Correlation coefficient: r = 0.999515, r^2 = 0.999030
Calibration curve: 0.99747 * x + 0.0102771
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 4.70 | 333.977 | 12974.771 | 0.322 | 0.3 | 24.9 | NO | 0.999 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 4.70 | 458.396 | 12786.419 | 0.448 | 0.4 | -12.2 | NO | 0.999 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 4.70 | 1126.682 | 12889.909 | 1.093 | 1.1 | 8.5 | NO | 0.999 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 4.70 | 2140.119 | 13898.928 | 1.925 | 1.9 | -4.0 | NO | 0.999 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 4.70 | 5212.680 | 12846.452 | 5.072 | 5.1 | 1.5 | NO | 0.999 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 4.70 | 9691.977 | 13298.122 | 9.110 | 9.1 | -8.8 | NO | 0.999 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 4.70 | 49865.152 | 13246.027 | 47.057 | 47.2 | -5.7 | NO | 0.999 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 4.70 | 90116.352 | 12108.269 | 93.032 | 93.3 | -6.7 | NO | 0.999 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 4.70 | 205022.547 | 10186.979 | 251.574 | 252.2 | 0.9 | NO | 0.999 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 4.70 | 364033.938 | 8977.043 | 506.896 | 508.2 | 1.6 | NO | 0.999 | NO | bb |

**Compound name: PFOSA**
Correlation coefficient: r = 0.999126, r^2 = 0.998252
Calibration curve: 1.12511 * x + 0.101865
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 4.76 | 111.396 | 3493.028 | 0.399 | 0.3 | 5.5 | NO | 0.998 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 4.76 | 179.040 | 3456.312 | 0.648 | 0.5 | -3.0 | NO | 0.998 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 4.76 | 342.274 | 3423.893 | 1.250 | 1.0 | 2.0 | NO | 0.998 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 4.76 | 708.625 | 3759.877 | 2.356 | 2.0 | 0.2 | NO | 0.998 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 4.76 | 1737.513 | 3549.031 | 6.120 | 5.3 | 7.0 | NO | 0.998 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 4.76 | 3250.708 | 3645.413 | 11.147 | 9.8 | -1.8 | NO | 0.998 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 4.76 | 15708.001 | 3571.633 | 54.975 | 48.8 | -2.5 | NO | 0.998 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 4.76 | 28977.955 | 3457.492 | 104.765 | 93.0 | -7.0 | NO | 0.998 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 4.76 | 67982.836 | 3145.079 | 270.195 | 240.1 | -4.0 | NO | 0.998 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 4.76 | 116787.555 | 2504.615 | 582.862 | 518.0 | 3.6 | NO | 0.998 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Compound name: L-PFOS**
Correlation coefficient: r = 0.997208, r^2 = 0.994423
Calibration curve: 1.29841 * x + -0.227706
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 4.78 | 74.087 | 2340.556 | 0.396 | 0.5 | 92.0 | YES | 0.994 | NO | MMX |
| 2 | 2 190802M1_7 | Standard | 0.500 | 4.79 | 63.399 | 2228.985 | 0.356 | 0.4 | -10.2 | NO | 0.994 | NO | MM |
| 3 | 3 190802M1_8 | Standard | 1.000 | 4.78 | 198.427 | 2272.831 | 1.091 | 1.0 | 1.6 | NO | 0.994 | NO | MM |
| 4 | 4 190802M1_9 | Standard | 2.000 | 4.78 | 436.764 | 2285.544 | 2.389 | 2.0 | 0.8 | NO | 0.994 | NO | MM |
| 5 | 5 190802M1_10 | Standard | 5.000 | 4.79 | 1112.473 | 2349.946 | 5.918 | 4.7 | -5.3 | NO | 0.994 | NO | MM |
| 6 | 6 190802M1_11 | Standard | 10.000 | 4.78 | 2099.744 | 2249.895 | 11.666 | 9.2 | -8.4 | NO | 0.994 | NO | MM |
| 7 | 7 190802M1_12 | Standard | 50.000 | 4.78 | 11171.756 | 2279.053 | 61.274 | 47.4 | -5.3 | NO | 0.994 | NO | MM |
| 8 | 8 190802M1_13 | Standard | 100.000 | 4.79 | 20346.500 | 2070.769 | 122.820 | 94.8 | -5.2 | NO | 0.994 | NO | MM |
| 9 | 9 190802M1_14 | Standard | 250.000 | 4.79 | 46146.563 | 1968.041 | 293.100 | 225.9 | -9.6 | NO | 0.994 | NO | MM |
| 10 | 10 190802M1_15 | Standard | 500.000 | 4.78 | 81513.273 | 1472.585 | 691.923 | 533.1 | 6.6 | NO | 0.994 | NO | MM |

**Compound name: 9Cl-PF30NS**
Coefficient of Determination: R^2 = 0.999420
Calibration curve: 0.000959583 * x^2 + 2.89515 * x + 0.0688508
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 5.00 | 151.843 | 2340.556 | 0.811 | 0.3 | 2.5 | NO | 0.999 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 5.00 | 251.972 | 2228.985 | 1.413 | 0.5 | -7.2 | NO | 0.999 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 5.00 | 501.815 | 2272.831 | 2.760 | 0.9 | -7.1 | NO | 0.999 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 5.00 | 1129.873 | 2285.544 | 6.179 | 2.1 | 5.5 | NO | 0.999 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 5.00 | 2532.155 | 2349.946 | 13.469 | 4.6 | -7.6 | NO | 0.999 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 5.00 | 5813.033 | 2249.895 | 32.296 | 11.1 | 10.9 | NO | 0.999 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 5.00 | 27443.359 | 2279.053 | 150.520 | 51.1 | 2.2 | NO | 0.999 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 5.00 | 51221.473 | 2070.769 | 309.194 | 103.2 | 3.2 | NO | 0.999 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 5.00 | 119306.320 | 1968.041 | 757.773 | 242.3 | -3.1 | NO | 0.999 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 5.00 | 200057.594 | 1472.585 | 1698.184 | 502.8 | 0.6 | NO | 0.999 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Compound name: PFDA**
Correlation coefficient: r = 0.999598, r^2 = 0.999197
Calibration curve: 1.41873 * x + 0.0243019
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.08 | 343.277 | 11009.523 | 0.390 | 0.3 | 3.0 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.08 | 641.784 | 10547.817 | 0.761 | 0.5 | 3.8 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.08 | 1305.368 | 11080.939 | 1.473 | 1.0 | 2.1 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.08 | 2389.583 | 11462.528 | 2.606 | 1.8 | -9.0 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.08 | 6130.906 | 10903.520 | 7.029 | 4.9 | -1.3 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.08 | 12357.814 | 10530.619 | 14.669 | 10.3 | 3.2 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.08 | 60407.469 | 10698.653 | 70.578 | 49.7 | -0.5 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.08 | 110102.297 | 9596.258 | 143.418 | 101.1 | 1.1 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.08 | 244936.828 | 9028.842 | 339.103 | 239.0 | -4.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.08 | 421057.469 | 7272.913 | 723.674 | 510.1 | 2.0 | NO | 0.999 | NO | bb |

**Compound name: 8:2 FTS**
Correlation coefficient: r = 0.997993, r^2 = 0.995989
Calibration curve: 2.07038 * x + 0.171368
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.05 | 109.896 | 1668.027 | 0.824 | 0.3 | 26.0 | NO | 0.996 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.05 | 132.590 | 1617.117 | 1.025 | 0.4 | -17.5 | NO | 0.996 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.05 | 285.793 | 1585.909 | 2.253 | 1.0 | 0.5 | NO | 0.996 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.05 | 544.692 | 1763.504 | 3.861 | 1.8 | -10.9 | NO | 0.996 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.05 | 1444.348 | 1683.060 | 10.727 | 5.1 | 2.0 | NO | 0.996 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.05 | 3128.118 | 1669.880 | 23.416 | 11.2 | 12.3 | NO | 0.996 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.05 | 14159.646 | 1464.124 | 120.888 | 58.3 | 16.6 | NO | 0.996 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.05 | 24972.238 | 1438.744 | 216.962 | 104.7 | 4.7 | NO | 0.996 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.05 | 53672.723 | 1239.125 | 541.438 | 261.4 | 4.6 | NO | 0.996 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.05 | 85145.406 | 1083.295 | 982.482 | 474.5 | -5.1 | NO | 0.996 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:18 Pacific Daylight Time

**Compound name: PFNS**
Correlation coefficient: r = 0.999161, r^2 = 0.998322
Calibration curve: 0.80527 * x + -0.0142767
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.14 | 44.180 | 2340.556 | 0.236 | 0.3 | 24.3 | NO | 0.998 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.14 | 47.701 | 2228.985 | 0.268 | 0.3 | -30.0 | YES | 0.998 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.15 | 126.016 | 2272.831 | 0.693 | 0.9 | -12.2 | NO | 0.998 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.14 | 371.717 | 2285.544 | 2.033 | 2.5 | 27.1 | NO | 0.998 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.14 | 716.799 | 2349.946 | 3.813 | 4.8 | -4.9 | NO | 0.998 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.14 | 1469.987 | 2249.895 | 8.167 | 10.2 | 1.6 | NO | 0.998 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.15 | 7129.237 | 2279.053 | 39.102 | 48.6 | -2.8 | NO | 0.998 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.15 | 13251.632 | 2070.769 | 79.992 | 99.4 | -0.6 | NO | 0.998 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.15 | 29950.420 | 1968.041 | 190.230 | 236.2 | -5.5 | NO | 0.998 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.15 | 48909.320 | 1472.585 | 415.166 | 515.6 | 3.1 | NO | 0.998 | NO | bb |

**Compound name: L-MeFOSAA**
Coefficient of Determination: R^2 = 0.999390
Calibration curve: -0.000616936 * x^2 + 2.85279 * x + -0.195709
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.23 | 166.640 | 2936.985 | 0.709 | 0.3 | 26.9 | NO | 0.999 | NO | MM |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.23 | 249.846 | 2689.913 | 1.161 | 0.5 | -4.9 | NO | 0.999 | NO | MM |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.23 | 504.910 | 2944.011 | 2.144 | 0.8 | -18.0 | NO | 0.999 | NO | MM |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.23 | 1375.942 | 2826.180 | 6.086 | 2.2 | 10.1 | NO | 0.999 | NO | MM |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.23 | 3002.876 | 2943.379 | 12.753 | 4.5 | -9.1 | NO | 0.999 | NO | MM |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.23 | 6092.593 | 2732.613 | 27.870 | 9.9 | -1.4 | NO | 0.999 | NO | MM |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.23 | 30480.242 | 2839.374 | 134.186 | 47.6 | -4.8 | NO | 0.999 | NO | MM |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.23 | 56684.820 | 2572.688 | 275.416 | 98.7 | -1.3 | NO | 0.999 | NO | MM |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.23 | 127836.586 | 2298.837 | 695.116 | 258.1 | 3.3 | NO | 0.999 | NO | MM |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.23 | 210454.203 | 2082.845 | 1263.021 | 496.0 | -0.8 | NO | 0.999 | NO | MM |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Compound name: L-EtFOSAA**
Correlation coefficient: r = 0.999403, r^2 = 0.998806
Calibration curve: 1.39531 * x + -0.0207987
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.39 | 134.143 | 4358.701 | 0.385 | 0.3 | 16.2 | NO | 0.999 | NO | MM |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.39 | 170.221 | 3911.714 | 0.544 | 0.4 | -19.1 | NO | 0.999 | NO | MM |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.39 | 369.894 | 3976.829 | 1.163 | 0.8 | -15.2 | NO | 0.999 | NO | MM |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.38 | 957.959 | 4432.729 | 2.701 | 2.0 | -2.5 | NO | 0.999 | NO | MM |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.39 | 2223.135 | 4044.635 | 6.871 | 4.9 | -1.2 | NO | 0.999 | NO | MM |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.39 | 4763.083 | 4099.855 | 14.522 | 10.4 | 4.2 | NO | 0.999 | NO | MM |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.39 | 23184.506 | 3922.386 | 73.885 | 53.0 | 5.9 | NO | 0.999 | NO | MM |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.39 | 41631.410 | 3484.075 | 149.363 | 107.1 | 7.1 | NO | 0.999 | NO | MM |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.38 | 92201.750 | 3271.447 | 352.297 | 252.5 | 1.0 | NO | 0.999 | NO | MM |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.38 | 148583.438 | 2731.318 | 679.999 | 487.4 | -2.5 | NO | 0.999 | NO | MM |

**Compound name: PFUdA**
Correlation coefficient: r = 0.999889, r^2 = 0.999777
Calibration curve: 0.870065 * x + 0.0374131
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.40 | 335.982 | 17136.303 | 0.245 | 0.2 | -4.5 | NO | 1.000 | NO | db |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.41 | 690.562 | 16619.232 | 0.519 | 0.6 | 10.8 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.40 | 1128.038 | 16224.900 | 0.869 | 1.0 | -4.4 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.40 | 2527.033 | 17617.793 | 1.793 | 2.0 | 0.9 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.40 | 5714.104 | 16793.379 | 4.253 | 4.8 | -3.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.40 | 11511.229 | 16777.379 | 8.576 | 9.8 | -1.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.40 | 56806.930 | 16236.475 | 43.734 | 50.2 | 0.4 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.40 | 104546.281 | 14538.836 | 89.885 | 103.3 | 3.3 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.40 | 240350.563 | 14052.784 | 213.793 | 245.7 | -1.7 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.40 | 385743.281 | 11057.177 | 436.078 | 501.2 | 0.2 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: PFDS**
Correlation coefficient: r = 0.999405, r^2 = 0.998811
Calibration curve: 1.83929 * x + -0.11756
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.45 | 41.850 | 1668.027 | 0.314 | 0.2 | -6.2 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.45 | 103.857 | 1617.117 | 0.803 | 0.5 | 0.1 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.45 | 231.934 | 1585.909 | 1.828 | 1.1 | 5.8 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.45 | 488.006 | 1763.504 | 3.459 | 1.9 | -2.8 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.45 | 1191.946 | 1683.060 | 8.853 | 4.9 | -2.5 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.45 | 2374.741 | 1669.880 | 17.776 | 9.7 | -2.7 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.45 | 11613.837 | 1464.124 | 99.153 | 54.0 | 7.9 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.45 | 20903.580 | 1438.744 | 181.613 | 98.8 | -1.2 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.45 | 47430.676 | 1239.125 | 478.469 | 260.2 | 4.1 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.45 | 77685.594 | 1083.295 | 896.404 | 487.4 | -2.5 | NO | 0.999 | NO | bb |

**Compound name: 11Cl-PF30UdS**
Coefficient of Determination: R^2 = 0.999441
Calibration curve: -1.49005e-005 * x^2 + 0.0651599 * x + -0.00840894
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.61 | 40.647 | 18172.814 | 0.028 | 0.6 | 123.3 | YES | 0.999 | NO | bbX |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.62 | 28.234 | 17809.031 | 0.020 | 0.4 | -13.4 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.61 | 113.363 | 18932.967 | 0.075 | 1.3 | 27.8 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.61 | 182.718 | 19567.359 | 0.117 | 1.9 | -3.9 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.61 | 457.663 | 17488.498 | 0.327 | 5.2 | 3.1 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.61 | 816.533 | 18350.064 | 0.556 | 8.7 | -13.2 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.61 | 4727.648 | 18442.938 | 3.204 | 49.9 | -0.3 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.62 | 8711.182 | 17465.000 | 6.235 | 98.0 | -2.0 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.61 | 20510.377 | 16336.909 | 15.693 | 256.0 | 2.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.61 | 35713.074 | 15553.355 | 28.702 | 497.1 | -0.6 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: 10:2 FTS**
Coefficient of Determination: R^2 = 0.998530
Calibration curve: -0.00135403 * x^2 + 2.4533 * x + 0.177839
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.68 | 97.744 | 1668.027 | 0.732 | 0.2 | -9.6 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.68 | 142.174 | 1617.117 | 1.099 | 0.4 | -24.9 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.68 | 411.881 | 1585.909 | 3.246 | 1.3 | 25.2 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.68 | 690.850 | 1763.504 | 4.897 | 1.9 | -3.7 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.68 | 1706.718 | 1683.060 | 12.676 | 5.1 | 2.2 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.68 | 3472.292 | 1669.880 | 25.992 | 10.6 | 5.8 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.68 | 15436.551 | 1464.124 | 131.790 | 55.3 | 10.7 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.68 | 25675.451 | 1438.744 | 223.072 | 95.9 | -4.1 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.67 | 51296.707 | 1239.125 | 517.469 | 243.6 | -2.6 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.67 | 77523.977 | 1083.295 | 894.539 | 505.7 | 1.1 | NO | 0.999 | NO | bb |

**Compound name: PFDoA**
Coefficient of Determination: R^2 = 0.999972
Calibration curve: -0.000457737 * x^2 + 0.986359 * x + 0.00628736
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.69 | 364.414 | 18172.814 | 0.251 | 0.2 | -0.9 | NO | 1.000 | NO | bd |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.69 | 688.329 | 17809.031 | 0.483 | 0.5 | -3.3 | NO | 1.000 | NO | bd |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.69 | 1535.065 | 18932.967 | 1.013 | 1.0 | 2.2 | NO | 1.000 | NO | bd |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.69 | 2983.501 | 19567.359 | 1.906 | 1.9 | -3.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.69 | 7244.834 | 17488.498 | 5.178 | 5.3 | 5.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.69 | 14539.011 | 18350.064 | 9.904 | 10.1 | 0.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.69 | 70967.547 | 18442.938 | 48.099 | 49.9 | -0.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.69 | 131410.516 | 17465.000 | 94.053 | 100.0 | -0.0 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.69 | 284436.375 | 16336.909 | 217.633 | 249.5 | -0.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.69 | 471497.406 | 15553.355 | 378.935 | 500.3 | 0.1 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: N-MeFOSA**
Coefficient of Determination: R^2 = 0.999600
Calibration curve: -9.58191e-005 * x^2 + 0.986914 * x + 0.00498142
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 1.250 | 5.76 | 61.067 | 7186.553 | 1.275 | 1.3 | 2.9 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 2.500 | 5.76 | 113.630 | 7045.568 | 2.419 | 2.4 | -2.1 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 5.000 | 5.76 | 189.993 | 7255.502 | 3.928 | 4.0 | -20.5 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 10.000 | 5.76 | 559.020 | 7104.721 | 11.802 | 12.0 | 19.7 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 25.000 | 5.76 | 1108.600 | 6763.093 | 24.588 | 25.0 | -0.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 50.000 | 5.76 | 2268.294 | 6968.366 | 48.827 | 49.7 | -0.6 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 250.000 | 5.76 | 11759.738 | 7079.067 | 249.180 | 259.0 | 3.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 500.000 | 5.76 | 21240.047 | 6980.334 | 456.426 | 485.3 | -2.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 1250.000 | 5.76 | 48431.738 | 6674.227 | 1088.480 | 1256.1 | 0.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 2500.000 | 5.76 | 79740.633 | 6403.435 | 1867.919 | 2499.0 | -0.0 | NO | 1.000 | NO | bb |

**Compound name: PFTrDA**
Coefficient of Determination: R^2 = 0.999665
Calibration curve: -0.00051926 * x^2 + 1.06117 * x + 0.0389308
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 5.94 | 461.526 | 18172.814 | 0.317 | 0.3 | 5.0 | NO | 1.000 | NO | db |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 5.94 | 777.715 | 17809.031 | 0.546 | 0.5 | -4.4 | NO | 1.000 | NO | db |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 5.94 | 1598.517 | 18932.967 | 1.055 | 1.0 | -4.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 5.94 | 3212.176 | 19567.359 | 2.052 | 1.9 | -5.1 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 5.94 | 7647.165 | 17488.498 | 5.466 | 5.1 | 2.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 5.94 | 16042.985 | 18350.064 | 10.928 | 10.3 | 3.1 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 5.94 | 80090.641 | 18442.938 | 54.283 | 52.5 | 4.9 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 5.94 | 140492.563 | 17465.000 | 100.553 | 99.6 | -0.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 5.94 | 298607.938 | 16336.909 | 228.476 | 244.5 | -2.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 5.94 | 501238.656 | 15553.355 | 402.838 | 503.8 | 0.8 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: PFDoS**
Coefficient of Determination: R^2 = 0.999545
Calibration curve: -1.55649e-006 * x^2 + 0.251003 * x + -0.00936845
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 5.96 | 24.954 | 8992.406 | 0.035 | 0.2 | -29.8 | NO | 1.000 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 5.96 | 87.916 | 8569.701 | 0.128 | 0.5 | 9.6 | NO | 1.000 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 1.000 | 5.96 | 213.073 | 9093.112 | 0.293 | 1.2 | 20.4 | NO | 1.000 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 5.96 | 363.389 | 9078.602 | 0.500 | 2.0 | 1.5 | NO | 1.000 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 5.96 | 873.176 | 8706.545 | 1.254 | 5.0 | 0.6 | NO | 1.000 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 5.96 | 1830.076 | 9202.912 | 2.486 | 9.9 | -0.6 | NO | 1.000 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 5.96 | 9198.653 | 9681.175 | 11.877 | 47.4 | -5.3 | NO | 1.000 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 5.96 | 16595.563 | 7936.709 | 26.137 | 104.2 | 4.2 | NO | 1.000 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 5.96 | 37492.773 | 7553.991 | 62.041 | 247.6 | -1.0 | NO | 1.000 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 5.96 | 62852.430 | 6272.295 | 125.258 | 500.6 | 0.1 | NO | 1.000 | NO | bb |

**Compound name: PFTeDA**
Correlation coefficient: r = 0.999854, r^2 = 0.999707
Calibration curve: 1.72037 * x + 0.164119
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 0.250 | 6.15 | 375.971 | 8992.406 | 0.523 | 0.2 | -16.6 | NO | 1.000 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 0.500 | 6.15 | 648.651 | 8569.701 | 0.946 | 0.5 | -9.1 | NO | 1.000 | NO | bd |
| 3 | 3 190802M1_8 | Standard | 1.000 | 6.15 | 1461.898 | 9093.112 | 2.010 | 1.1 | 7.3 | NO | 1.000 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 2.000 | 6.15 | 2771.223 | 9078.602 | 3.816 | 2.1 | 6.1 | NO | 1.000 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 6.15 | 6735.117 | 8706.545 | 9.670 | 5.5 | 10.5 | NO | 1.000 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 10.000 | 6.15 | 12980.209 | 9202.912 | 17.631 | 10.2 | 1.5 | NO | 1.000 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 50.000 | 6.15 | 65012.145 | 9681.175 | 83.941 | 48.7 | -2.6 | NO | 1.000 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 100.000 | 6.15 | 113366.359 | 7936.709 | 178.547 | 103.7 | 3.7 | NO | 1.000 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 250.000 | 6.15 | 259246.547 | 7553.991 | 428.989 | 249.3 | -0.3 | NO | 1.000 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 500.000 | 6.15 | 429607.250 | 6272.295 | 856.160 | 497.6 | -0.5 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: N-EtFOSA**
Coefficient of Determination: R^2 = 0.999551
Calibration curve: -5.63452e-005 * x^2 + 0.845084 * x + 0.190748
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 1.250 | 6.16 | 68.931 | 8709.152 | 1.187 | 1.2 | -5.7 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 2.500 | 6.17 | 102.287 | 8177.841 | 1.876 | 2.0 | -20.2 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 5.000 | 6.16 | 270.521 | 8834.808 | 4.593 | 5.2 | 4.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 10.000 | 6.16 | 571.739 | 9229.113 | 9.292 | 10.8 | 7.8 | NO | 1.000 | NO | bd |
| 5 | 5 | 190802M1_10 | Standard | 25.000 | 6.16 | 1270.433 | 8441.969 | 22.574 | 26.5 | 6.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 50.000 | 6.16 | 2697.877 | 8530.404 | 47.440 | 56.1 | 12.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 250.000 | 6.16 | 11683.414 | 8783.772 | 199.517 | 239.7 | -4.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 500.000 | 6.16 | 21265.705 | 7901.317 | 403.712 | 493.7 | -1.3 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 1250.000 | 6.16 | 47742.277 | 7320.558 | 978.251 | 1263.9 | 1.1 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 2500.000 | 6.16 | 76162.219 | 6500.026 | 1757.583 | 2494.4 | -0.2 | NO | 1.000 | NO | bb |

**Compound name: PFHxDA**
Coefficient of Determination: R^2 = 0.999519
Calibration curve: -7.56156e-005 * x^2 + 0.499798 * x + 0.0497885
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 6.49 | 189.218 | 5193.521 | 0.182 | 0.3 | 6.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 6.49 | 300.383 | 5108.702 | 0.294 | 0.5 | -2.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 6.49 | 641.681 | 5903.944 | 0.543 | 1.0 | -1.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 6.49 | 1127.143 | 5902.797 | 0.955 | 1.8 | -9.4 | NO | 1.000 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 6.49 | 2652.967 | 5210.268 | 2.546 | 5.0 | -0.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 6.49 | 6016.960 | 5776.586 | 5.208 | 10.3 | 3.4 | NO | 1.000 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 6.49 | 30167.623 | 5860.549 | 25.738 | 51.8 | 3.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 6.49 | 54794.758 | 5425.053 | 50.502 | 102.5 | 2.5 | NO | 1.000 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 6.49 | 110411.031 | 4735.381 | 116.581 | 242.0 | -3.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 6.49 | 205411.063 | 4416.416 | 232.554 | 503.6 | 0.7 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: PFODA**
Correlation coefficient: r = 0.999268, r^2 = 0.998536
Calibration curve: 0.805068 * x + 0.0449687
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 0.250 | 6.72 | 261.770 | 5193.521 | 0.252 | 0.3 | 2.9 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 0.500 | 6.72 | 468.117 | 5108.702 | 0.458 | 0.5 | 2.6 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 1.000 | 6.72 | 962.381 | 5903.944 | 0.815 | 1.0 | -4.3 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 2.000 | 6.72 | 1945.915 | 5902.797 | 1.648 | 2.0 | -0.4 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 5.000 | 6.72 | 4723.424 | 5210.268 | 4.533 | 5.6 | 11.5 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 10.000 | 6.72 | 9772.647 | 5776.586 | 8.459 | 10.5 | 4.5 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 50.000 | 6.72 | 48698.188 | 5860.549 | 41.547 | 51.6 | 3.1 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 100.000 | 6.72 | 87848.055 | 5425.053 | 80.965 | 100.5 | 0.5 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 250.000 | 6.72 | 200527.688 | 4735.381 | 211.733 | 262.9 | 5.2 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 500.000 | 6.72 | 344210.594 | 4416.416 | 389.694 | 484.0 | -3.2 | NO | 0.999 | NO | bb |

**Compound name: N-MeFOSE**
Correlation coefficient: r = 0.999739, r^2 = 0.999479
Calibration curve: 1.03205 * x + -0.206786
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 1.250 | 6.31 | 58.563 | 7655.336 | 1.147 | 1.3 | 5.0 | NO | 0.999 | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 2.500 | 6.31 | 116.080 | 7168.864 | 2.429 | 2.6 | 2.2 | NO | 0.999 | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 5.000 | 6.31 | 227.366 | 7351.227 | 4.639 | 4.7 | -6.1 | NO | 0.999 | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 10.000 | 6.31 | 522.786 | 7498.588 | 10.458 | 10.3 | 3.3 | NO | 0.999 | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 25.000 | 6.31 | 1280.998 | 7292.116 | 26.350 | 25.7 | 2.9 | NO | 0.999 | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 50.000 | 6.31 | 2426.077 | 7320.471 | 49.711 | 48.4 | -3.3 | NO | 0.999 | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 250.000 | 6.31 | 12674.346 | 7499.075 | 253.518 | 245.8 | -1.7 | NO | 0.999 | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 500.000 | 6.31 | 23901.686 | 7312.490 | 490.292 | 475.3 | -4.9 | NO | 0.999 | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 1250.000 | 6.31 | 63324.754 | 7166.452 | 1325.442 | 1284.5 | 2.8 | NO | 0.999 | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 2500.000 | 6.31 | 118665.117 | 6912.784 | 2574.906 | 2495.2 | -0.2 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: N-EtFOSE**
Correlation coefficient: r = 0.999883, r^2 = 0.999767
Calibration curve: 1.22444 * x + -0.142948
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 1.250 | 6.46 | 79.420 | 7975.054 | 1.494 | 1.3 | 6.9 | NO | 1.000 | NO | bb |
| 2 | 2 190802M1_7 | Standard | 2.500 | 6.46 | 132.128 | 7552.615 | 2.624 | 2.3 | -9.6 | NO | 1.000 | NO | bb |
| 3 | 3 190802M1_8 | Standard | 5.000 | 6.47 | 334.107 | 7876.904 | 6.362 | 5.3 | 6.3 | NO | 1.000 | NO | bb |
| 4 | 4 190802M1_9 | Standard | 10.000 | 6.46 | 618.717 | 7966.292 | 11.650 | 9.6 | -3.7 | NO | 1.000 | NO | bb |
| 5 | 5 190802M1_10 | Standard | 25.000 | 6.47 | 1548.908 | 7654.471 | 30.353 | 24.9 | -0.4 | NO | 1.000 | NO | bb |
| 6 | 6 190802M1_11 | Standard | 50.000 | 6.47 | 3264.627 | 7678.214 | 63.777 | 52.2 | 4.4 | NO | 1.000 | NO | bb |
| 7 | 7 190802M1_12 | Standard | 250.000 | 6.47 | 15942.584 | 7896.455 | 302.843 | 247.4 | -1.0 | NO | 1.000 | NO | bb |
| 8 | 8 190802M1_13 | Standard | 500.000 | 6.47 | 30122.104 | 7622.346 | 592.772 | 484.2 | -3.2 | NO | 1.000 | NO | bb |
| 9 | 9 190802M1_14 | Standard | 1250.000 | 6.47 | 75616.070 | 7473.473 | 1517.689 | 1239.6 | -0.8 | NO | 1.000 | NO | bb |
| 10 | 10 190802M1_15 | Standard | 2500.000 | 6.47 | 145571.438 | 7057.898 | 3093.799 | 2526.8 | 1.1 | NO | 1.000 | NO | bb |

**Compound name: 13C3-PFBA**
Response Factor: 0.667802
RRF SD: 0.0157155, Relative SD: 2.35331
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 1.35 | 6149.961 | 8987.424 | 8.554 | 12.8 | 2.5 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 1.35 | 6054.958 | 8867.507 | 8.535 | 12.8 | 2.2 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 1.35 | 5836.274 | 8709.267 | 8.377 | 12.5 | 0.3 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 1.35 | 6131.983 | 9304.108 | 8.238 | 12.3 | -1.3 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 1.35 | 6026.559 | 8743.739 | 8.616 | 12.9 | 3.2 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 1.35 | 5792.540 | 8914.997 | 8.122 | 12.2 | -2.7 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 1.35 | 5930.932 | 9165.350 | 8.089 | 12.1 | -3.1 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 1.35 | 5880.261 | 8641.228 | 8.506 | 12.7 | 1.9 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 1.35 | 5675.962 | 8560.764 | 8.288 | 12.4 | -0.7 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 1.36 | 5262.975 | 8070.541 | 8.152 | 12.2 | -2.3 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: 13C3-PFPeA**
Response Factor: 0.463122
RRF SD: 0.0155398, Relative SD: 3.35546
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 2.33 | 7368.542 | 15612.090 | 5.900 | 12.7 | 1.9 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 2.33 | 6714.608 | 14565.895 | 5.762 | 12.4 | -0.5 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 2.33 | 7047.087 | 15711.242 | 5.607 | 12.1 | -3.1 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 2.33 | 7148.938 | 15724.858 | 5.683 | 12.3 | -1.8 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 2.33 | 6860.373 | 15004.407 | 5.715 | 12.3 | -1.3 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 2.33 | 6981.096 | 15168.935 | 5.753 | 12.4 | -0.6 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 2.33 | 6798.914 | 15484.437 | 5.489 | 11.9 | -5.2 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 2.33 | 6593.991 | 14025.576 | 5.877 | 12.7 | 1.5 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 2.33 | 6237.354 | 13183.010 | 5.914 | 12.8 | 2.2 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 2.33 | 5296.813 | 10694.359 | 6.191 | 13.4 | 6.9 | NO | | NO | bb |

**Compound name: 13C3-PFBS**
Response Factor: 1.06169
RRF SD: 0.0904537, Relative SD: 8.51977
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 2.61 | 1049.724 | 885.715 | 14.815 | 14.0 | 11.6 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 2.62 | 971.873 | 994.685 | 12.213 | 11.5 | -8.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 2.62 | 1100.023 | 1032.755 | 13.314 | 12.5 | 0.3 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 2.62 | 1159.981 | 1180.476 | 12.283 | 11.6 | -7.4 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 2.62 | 1073.684 | 934.684 | 14.359 | 13.5 | 8.2 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 2.62 | 1052.928 | 949.923 | 13.855 | 13.1 | 4.4 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 2.62 | 1064.264 | 1003.883 | 13.252 | 12.5 | -0.1 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 2.62 | 994.594 | 872.897 | 14.243 | 13.4 | 7.3 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 2.61 | 869.974 | 821.300 | 13.241 | 12.5 | -0.2 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 2.62 | 693.873 | 778.819 | 11.137 | 10.5 | -16.1 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: 13C3-HFPO-DA**
Response Factor: 0.227476
RRF SD: 0.0184588, Relative SD: 8.1146
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 5.000 | 3.33 | 1309.872 | 15612.090 | 1.049 | 4.6 | -7.8 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 5.000 | 3.33 | 1387.175 | 14565.895 | 1.190 | 5.2 | 4.7 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 5.000 | 3.33 | 1305.440 | 15711.242 | 1.039 | 4.6 | -8.7 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 5.000 | 3.33 | 1574.557 | 15724.858 | 1.252 | 5.5 | 10.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.33 | 1292.713 | 15004.407 | 1.077 | 4.7 | -5.3 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 5.000 | 3.33 | 1561.170 | 15168.935 | 1.286 | 5.7 | 13.1 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 5.000 | 3.33 | 1510.427 | 15484.437 | 1.219 | 5.4 | 7.2 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 5.000 | 3.33 | 1205.393 | 14025.576 | 1.074 | 4.7 | -5.5 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 5.000 | 3.33 | 1192.757 | 13183.010 | 1.131 | 5.0 | -0.6 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 5.000 | 3.33 | 903.762 | 10694.359 | 1.056 | 4.6 | -7.1 | NO | | NO | bd |

**Compound name: 13C2-4:2 FTS**
Response Factor: 1.92608
RRF SD: 0.280466, Relative SD: 14.5614
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 3.02 | 2193.830 | 885.715 | 30.961 | 16.1 | 28.6 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 3.02 | 1981.898 | 994.685 | 24.906 | 12.9 | 3.4 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 3.02 | 2036.814 | 1032.755 | 24.653 | 12.8 | 2.4 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 3.02 | 2092.726 | 1180.476 | 22.160 | 11.5 | -8.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 3.02 | 1941.438 | 934.684 | 25.964 | 13.5 | 7.8 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 3.02 | 1982.573 | 949.923 | 26.089 | 13.5 | 8.4 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 3.02 | 1897.094 | 1003.883 | 23.622 | 12.3 | -1.9 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 3.02 | 1641.608 | 872.897 | 23.508 | 12.2 | -2.4 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 3.02 | 1405.608 | 821.300 | 21.393 | 11.1 | -11.1 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 3.02 | 1090.674 | 778.819 | 17.505 | 9.1 | -27.3 | NO | | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Compound name: 13C2-PFHxA**
Response Factor: 0.810188
RRF SD: 0.024008, Relative SD: 2.96326
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 5.000 | 3.11 | 4975.520 | 15612.090 | 3.984 | 4.9 | -1.7 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 5.000 | 3.11 | 4841.847 | 14565.895 | 4.155 | 5.1 | 2.6 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 5.000 | 3.11 | 4877.055 | 15711.242 | 3.880 | 4.8 | -4.2 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 5.000 | 3.11 | 5197.683 | 15724.858 | 4.132 | 5.1 | 2.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 3.11 | 4933.268 | 15004.407 | 4.110 | 5.1 | 1.5 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 5.000 | 3.11 | 4795.152 | 15168.935 | 3.951 | 4.9 | -2.5 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 5.000 | 3.11 | 4809.340 | 15484.437 | 3.882 | 4.8 | -4.2 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 5.000 | 3.11 | 4536.441 | 14025.576 | 4.043 | 5.0 | -0.2 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 5.000 | 3.11 | 4400.630 | 13183.010 | 4.173 | 5.2 | 3.0 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 5.000 | 3.11 | 3592.659 | 10694.359 | 4.199 | 5.2 | 3.7 | NO | | NO | bb |

**Compound name: 13C4-PFHpA**
Response Factor: 0.378473
RRF SD: 0.014726, Relative SD: 3.89091
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 3.74 | 6198.693 | 15612.090 | 4.963 | 13.1 | 4.9 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 3.74 | 5402.200 | 14565.895 | 4.636 | 12.2 | -2.0 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 3.74 | 5900.457 | 15711.242 | 4.694 | 12.4 | -0.8 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 3.74 | 5972.385 | 15724.858 | 4.748 | 12.5 | 0.4 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 3.74 | 6043.199 | 15004.407 | 5.035 | 13.3 | 6.4 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 3.74 | 5793.968 | 15168.935 | 4.775 | 12.6 | 0.9 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 3.74 | 5898.684 | 15484.437 | 4.762 | 12.6 | 0.7 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 3.74 | 5326.105 | 14025.576 | 4.747 | 12.5 | 0.3 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 3.74 | 4809.260 | 13183.010 | 4.560 | 12.0 | -3.6 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 3.74 | 3756.156 | 10694.359 | 4.390 | 11.6 | -7.2 | NO | | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Compound name: 13C3-PFHxS**
Response Factor: 2.29447
RRF SD: 0.220604, Relative SD: 9.61461
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 3.89 | 2401.772 | 885.715 | 33.896 | 14.8 | 18.2 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 3.89 | 2173.684 | 994.685 | 27.316 | 11.9 | -4.8 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 3.89 | 2317.304 | 1032.755 | 28.048 | 12.2 | -2.2 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 3.89 | 2262.423 | 1180.476 | 23.957 | 10.4 | -16.5 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 3.89 | 2270.227 | 934.684 | 30.361 | 13.2 | 5.9 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 3.89 | 2343.604 | 949.923 | 30.839 | 13.4 | 7.5 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 3.89 | 2313.936 | 1003.883 | 28.812 | 12.6 | 0.5 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 3.89 | 2019.468 | 872.897 | 28.919 | 12.6 | 0.8 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 3.89 | 1904.218 | 821.300 | 28.982 | 12.6 | 1.0 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 3.89 | 1599.931 | 778.819 | 25.679 | 11.2 | -10.5 | NO | | NO | bb |

**Compound name: 13C2-6:2 FTS**
Response Factor: 0.69889
RRF SD: 0.0408718, Relative SD: 5.8481
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.20 | 1621.484 | 2213.092 | 9.158 | 13.1 | 4.8 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.21 | 1599.952 | 2260.081 | 8.849 | 12.7 | 1.3 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.21 | 1697.811 | 2257.980 | 9.399 | 13.4 | 7.6 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.21 | 1694.602 | 2300.531 | 9.208 | 13.2 | 5.4 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.21 | 1625.932 | 2297.522 | 8.846 | 12.7 | 1.3 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.21 | 1604.939 | 2279.683 | 8.800 | 12.6 | 0.7 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.21 | 1626.293 | 2280.428 | 8.914 | 12.8 | 2.0 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.21 | 1343.795 | 2096.185 | 8.013 | 11.5 | -8.3 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.21 | 1233.415 | 1955.564 | 7.884 | 11.3 | -9.8 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.21 | 1092.249 | 1647.116 | 8.289 | 11.9 | -5.1 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: 13C5-PFNA**
Response Factor: 1.04816
RRF SD: 0.0321155, Relative SD: 3.06398
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.70 | 12974.771 | 12214.354 | 13.278 | 12.7 | 1.3 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.70 | 12786.419 | 11980.535 | 13.341 | 12.7 | 1.8 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.70 | 12889.909 | 12912.118 | 12.478 | 11.9 | -4.8 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.70 | 13898.928 | 13327.629 | 13.036 | 12.4 | -0.5 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.70 | 12846.452 | 12448.946 | 12.899 | 12.3 | -1.5 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.70 | 13298.122 | 12758.275 | 13.029 | 12.4 | -0.6 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.70 | 13246.027 | 12147.878 | 13.630 | 13.0 | 4.0 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.70 | 12108.269 | 11238.097 | 13.468 | 12.8 | 2.8 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.70 | 10186.979 | 10223.364 | 12.456 | 11.9 | -4.9 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.70 | 8977.043 | 8370.658 | 13.406 | 12.8 | 2.3 | NO | | NO | bb |

**Compound name: 13C8-PFOSA**
Response Factor: 0.180874
RRF SD: 0.00927487, Relative SD: 5.1278
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.76 | 3493.028 | 20422.541 | 2.138 | 11.8 | -5.4 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.76 | 3456.312 | 19832.902 | 2.178 | 12.0 | -3.7 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.76 | 3423.893 | 20169.109 | 2.122 | 11.7 | -6.1 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.76 | 3759.877 | 21456.369 | 2.190 | 12.1 | -3.1 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.76 | 3549.031 | 20059.441 | 2.212 | 12.2 | -2.2 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.76 | 3645.413 | 20617.865 | 2.210 | 12.2 | -2.2 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.76 | 3571.633 | 19027.406 | 2.346 | 13.0 | 3.8 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.77 | 3457.492 | 17897.227 | 2.415 | 13.4 | 6.8 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.76 | 3145.079 | 16258.312 | 2.418 | 13.4 | 6.9 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.76 | 2504.615 | 13156.937 | 2.380 | 13.2 | 5.2 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: 13C2-PFOA**
Response Factor: 0.502245
RRF SD: 0.0136331, Relative SD: 2.71444
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.26 | 12068.668 | 23100.797 | 6.530 | 13.0 | 4.0 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.26 | 11092.140 | 22464.205 | 6.172 | 12.3 | -1.7 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.26 | 11953.850 | 23409.826 | 6.383 | 12.7 | 1.7 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.26 | 11580.060 | 23742.604 | 6.097 | 12.1 | -2.9 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.26 | 11146.878 | 22326.281 | 6.241 | 12.4 | -0.6 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.26 | 11478.813 | 23619.299 | 6.075 | 12.1 | -3.2 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.26 | 11367.939 | 22496.699 | 6.316 | 12.6 | 0.6 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.26 | 10286.980 | 20182.713 | 6.371 | 12.7 | 1.5 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.26 | 8879.872 | 17054.418 | 6.508 | 13.0 | 3.7 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.26 | 6936.625 | 14245.733 | 6.087 | 12.1 | -3.1 | NO | | NO | bb |

**Compound name: 13C8-PFOS**
Response Factor: 0.994134
RRF SD: 0.0413057, Relative SD: 4.15495
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.79 | 2340.556 | 2213.092 | 13.220 | 13.3 | 6.4 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.79 | 2228.985 | 2260.081 | 12.328 | 12.4 | -0.8 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.79 | 2272.831 | 2257.980 | 12.582 | 12.7 | 1.3 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.79 | 2285.544 | 2300.531 | 12.419 | 12.5 | -0.1 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.79 | 2349.946 | 2297.522 | 12.785 | 12.9 | 2.9 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.79 | 2249.895 | 2279.683 | 12.337 | 12.4 | -0.7 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.79 | 2279.053 | 2280.428 | 12.492 | 12.6 | 0.5 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.79 | 2070.769 | 2096.185 | 12.348 | 12.4 | -0.6 | NO | | NO | MM |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.79 | 1968.041 | 1955.564 | 12.580 | 12.7 | 1.2 | NO | | NO | MM |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.79 | 1472.585 | 1647.116 | 11.175 | 11.2 | -10.1 | NO | | NO | MM |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: 13C2-PFDA**
Response Factor: 0.710417
RRF SD: 0.0329136, Relative SD: 4.633
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 5.08 | 11009.523 | 14886.708 | 9.244 | 13.0 | 4.1 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 5.08 | 10547.817 | 14608.642 | 9.025 | 12.7 | 1.6 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 5.08 | 11080.939 | 15747.771 | 8.796 | 12.4 | -1.0 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 5.08 | 11462.528 | 16304.642 | 8.788 | 12.4 | -1.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 5.08 | 10903.520 | 14601.071 | 9.335 | 13.1 | 5.1 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 5.08 | 10530.619 | 16237.253 | 8.107 | 11.4 | -8.7 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 5.08 | 10698.653 | 14904.611 | 8.973 | 12.6 | 1.0 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 5.08 | 9596.258 | 14395.865 | 8.332 | 11.7 | -6.2 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 5.08 | 9028.842 | 12046.356 | 9.369 | 13.2 | 5.5 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 5.08 | 7272.913 | 10291.512 | 8.834 | 12.4 | -0.5 | NO | | NO | bb |

**Compound name: 13C2-8:2 FTS**
Response Factor: 0.702294
RRF SD: 0.0463853, Relative SD: 6.60482
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 5.05 | 1668.027 | 2213.092 | 9.421 | 13.4 | 7.3 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 5.05 | 1617.117 | 2260.081 | 8.944 | 12.7 | 1.9 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 5.05 | 1585.909 | 2257.980 | 8.779 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 5.05 | 1763.504 | 2300.531 | 9.582 | 13.6 | 9.2 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 5.05 | 1683.060 | 2297.522 | 9.157 | 13.0 | 4.3 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 5.05 | 1669.880 | 2279.683 | 9.156 | 13.0 | 4.3 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 5.05 | 1464.124 | 2280.428 | 8.025 | 11.4 | -8.6 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 5.05 | 1438.744 | 2096.185 | 8.580 | 12.2 | -2.3 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 5.05 | 1239.125 | 1955.564 | 7.921 | 11.3 | -9.8 | NO | | NO | bd |
| 10 | 10 190802M1_15 | Standard | 12.500 | 5.05 | 1083.295 | 1647.116 | 8.221 | 11.7 | -6.4 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: d3-N-MeFOSAA**
Response Factor: 0.142907
RRF SD: 0.00810106, Relative SD: 5.66877
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 5.23 | 2936.985 | 20422.541 | 1.798 | 12.6 | 0.6 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 5.23 | 2689.913 | 19832.902 | 1.695 | 11.9 | -5.1 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 5.23 | 2944.011 | 20169.109 | 1.825 | 12.8 | 2.1 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 5.23 | 2826.180 | 21456.369 | 1.646 | 11.5 | -7.8 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 5.23 | 2943.379 | 20059.441 | 1.834 | 12.8 | 2.7 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 5.23 | 2732.613 | 20617.865 | 1.657 | 11.6 | -7.3 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 5.23 | 2839.374 | 19027.406 | 1.865 | 13.1 | 4.4 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 5.23 | 2572.688 | 17897.227 | 1.797 | 12.6 | 0.6 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 5.23 | 2298.837 | 16258.312 | 1.767 | 12.4 | -1.1 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 5.23 | 2082.845 | 13156.937 | 1.979 | 13.8 | 10.8 | NO | | NO | bb |

**Compound name: 13C2-PFUdA**
Response Factor: 0.832393
RRF SD: 0.0190921, Relative SD: 2.29364
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 5.40 | 17136.303 | 20422.541 | 10.489 | 12.6 | 0.8 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 5.40 | 16619.232 | 19832.902 | 10.475 | 12.6 | 0.7 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 5.40 | 16224.900 | 20169.109 | 10.056 | 12.1 | -3.4 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 5.40 | 17617.793 | 21456.369 | 10.264 | 12.3 | -1.4 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 5.40 | 16793.379 | 20059.441 | 10.465 | 12.6 | 0.6 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 5.40 | 16777.379 | 20617.865 | 10.172 | 12.2 | -2.2 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 5.40 | 16236.475 | 19027.406 | 10.667 | 12.8 | 2.5 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 5.40 | 14538.836 | 17897.227 | 10.154 | 12.2 | -2.4 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 5.40 | 14052.784 | 16258.312 | 10.804 | 13.0 | 3.8 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 5.40 | 11057.177 | 13156.937 | 10.505 | 12.6 | 1.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: d5-N-EtFOSAA**
Response Factor: 0.202454
RRF SD: 0.00585434, Relative SD: 2.89169
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 5.38 | 4358.701 | 20422.541 | 2.668 | 13.2 | 5.4 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 5.38 | 3911.714 | 19832.902 | 2.465 | 12.2 | -2.6 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 5.38 | 3976.829 | 20169.109 | 2.465 | 12.2 | -2.6 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 5.38 | 4432.729 | 21456.369 | 2.582 | 12.8 | 2.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 5.38 | 4044.635 | 20059.441 | 2.520 | 12.4 | -0.4 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 5.38 | 4099.855 | 20617.865 | 2.486 | 12.3 | -1.8 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 5.38 | 3922.386 | 19027.406 | 2.577 | 12.7 | 1.8 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 5.38 | 3484.075 | 17897.227 | 2.433 | 12.0 | -3.8 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 5.38 | 3271.447 | 16258.312 | 2.515 | 12.4 | -0.6 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 5.38 | 2731.318 | 13156.937 | 2.595 | 12.8 | 2.5 | NO | | NO | bb |

**Compound name: 13C2-PFDoA**
Response Factor: 1.24881
RRF SD: 0.107868, Relative SD: 8.63765
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 5.69 | 18172.814 | 14886.708 | 15.259 | 12.2 | -2.2 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 5.69 | 17809.031 | 14608.642 | 15.238 | 12.2 | -2.4 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 5.69 | 18932.967 | 15747.771 | 15.028 | 12.0 | -3.7 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 5.69 | 19567.359 | 16304.642 | 15.001 | 12.0 | -3.9 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 5.69 | 17488.498 | 14601.071 | 14.972 | 12.0 | -4.1 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 5.69 | 18350.064 | 16237.253 | 14.127 | 11.3 | -9.5 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 5.69 | 18442.938 | 14904.611 | 15.467 | 12.4 | -0.9 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 5.69 | 17465.000 | 14395.865 | 15.165 | 12.1 | -2.9 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 5.69 | 16336.909 | 12046.356 | 16.952 | 13.6 | 8.6 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 5.69 | 15553.355 | 10291.512 | 18.891 | 15.1 | 21.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: d3-N-MeFOSA**
Response Factor: 0.0311034
RRF SD: 0.00391125, Relative SD: 12.575
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 150.000 | 5.78 | 7186.553 | 20422.541 | 4.399 | 141.4 | -5.7 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 150.000 | 5.79 | 7045.568 | 19832.902 | 4.441 | 142.8 | -4.8 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 150.000 | 5.78 | 7255.502 | 20169.109 | 4.497 | 144.6 | -3.6 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 150.000 | 5.78 | 7104.721 | 21456.369 | 4.139 | 133.1 | -11.3 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 150.000 | 5.79 | 6763.093 | 20059.441 | 4.214 | 135.5 | -9.7 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 150.000 | 5.79 | 6968.366 | 20617.865 | 4.225 | 135.8 | -9.4 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 150.000 | 5.79 | 7079.067 | 19027.406 | 4.651 | 149.5 | -0.3 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 150.000 | 5.79 | 6980.334 | 17897.227 | 4.875 | 156.7 | 4.5 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 150.000 | 5.79 | 6674.227 | 16258.312 | 5.131 | 165.0 | 10.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 150.000 | 5.79 | 6403.435 | 13156.937 | 6.084 | 195.6 | 30.4 | NO | | NO | bb |

**Compound name: 13C2-PFTeDA**
Response Factor: 0.452038
RRF SD: 0.0253702, Relative SD: 5.61241
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 6.15 | 8992.406 | 20422.541 | 5.504 | 12.2 | -2.6 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 6.15 | 8569.701 | 19832.902 | 5.401 | 11.9 | -4.4 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 6.15 | 9093.112 | 20169.109 | 5.636 | 12.5 | -0.3 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 6.15 | 9078.602 | 21456.369 | 5.289 | 11.7 | -6.4 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 6.15 | 8706.545 | 20059.441 | 5.425 | 12.0 | -4.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 6.15 | 9202.912 | 20617.865 | 5.579 | 12.3 | -1.3 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 6.15 | 9681.175 | 19027.406 | 6.360 | 14.1 | 12.6 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 6.15 | 7936.709 | 17897.227 | 5.543 | 12.3 | -1.9 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 6.15 | 7553.991 | 16258.312 | 5.808 | 12.8 | 2.8 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 6.15 | 6272.295 | 13156.937 | 5.959 | 13.2 | 5.5 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: d5-N-ETFOSA**
Response Factor: 0.0365747
RRF SD: 0.00207689, Relative SD: 5.67849
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 150.000 | 6.18 | 8709.152 | 20422.541 | 5.331 | 145.7 | -2.8 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 150.000 | 6.18 | 8177.841 | 19832.902 | 5.154 | 140.9 | -6.1 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 150.000 | 6.18 | 8834.808 | 20169.109 | 5.475 | 149.7 | -0.2 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 150.000 | 6.18 | 9229.113 | 21456.369 | 5.377 | 147.0 | -2.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 150.000 | 6.18 | 8441.969 | 20059.441 | 5.261 | 143.8 | -4.1 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 150.000 | 6.18 | 8530.404 | 20617.865 | 5.172 | 141.4 | -5.7 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 150.000 | 6.18 | 8783.772 | 19027.406 | 5.770 | 157.8 | 5.2 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 150.000 | 6.18 | 7901.317 | 17897.227 | 5.519 | 150.9 | 0.6 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 150.000 | 6.18 | 7320.558 | 16258.312 | 5.628 | 153.9 | 2.6 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 150.000 | 6.18 | 6500.026 | 13156.937 | 6.175 | 168.8 | 12.6 | NO | | NO | bb |

**Compound name: 13C2-PFHxDA**
Response Factor: 0.714424
RRF SD: 0.0643943, Relative SD: 9.01346
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 5.000 | 6.48 | 5193.521 | 20422.541 | 3.179 | 4.4 | -11.0 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 5.000 | 6.49 | 5108.702 | 19832.902 | 3.220 | 4.5 | -9.9 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 5.000 | 6.49 | 5903.944 | 20169.109 | 3.659 | 5.1 | 2.4 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 5.000 | 6.48 | 5902.797 | 21456.369 | 3.439 | 4.8 | -3.7 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 5.000 | 6.49 | 5210.268 | 20059.441 | 3.247 | 4.5 | -9.1 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 5.000 | 6.49 | 5776.586 | 20617.865 | 3.502 | 4.9 | -2.0 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 5.000 | 6.49 | 5860.549 | 19027.406 | 3.850 | 5.4 | 7.8 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 5.000 | 6.49 | 5425.053 | 17897.227 | 3.789 | 5.3 | 6.1 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 5.000 | 6.49 | 4735.381 | 16258.312 | 3.641 | 5.1 | 1.9 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 5.000 | 6.49 | 4416.416 | 13156.937 | 4.196 | 5.9 | 17.5 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:04:33 Pacific Daylight Time

**Compound name: d7-N-MeFOSE**
Response Factor: 0.0328146
RRF SD: 0.00451284, Relative SD: 13.7526
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 150.000 | 6.30 | 7655.336 | 20422.541 | 4.686 | 142.8 | -4.8 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 150.000 | 6.30 | 7168.864 | 19832.902 | 4.518 | 137.7 | -8.2 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 150.000 | 6.30 | 7351.227 | 20169.109 | 4.556 | 138.8 | -7.4 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 150.000 | 6.30 | 7498.588 | 21456.369 | 4.369 | 133.1 | -11.2 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 150.000 | 6.30 | 7292.116 | 20059.441 | 4.544 | 138.5 | -7.7 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 150.000 | 6.30 | 7320.471 | 20617.865 | 4.438 | 135.3 | -9.8 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 150.000 | 6.30 | 7499.075 | 19027.406 | 4.926 | 150.1 | 0.1 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 150.000 | 6.30 | 7312.490 | 17897.227 | 5.107 | 155.6 | 3.8 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 150.000 | 6.30 | 7166.452 | 16258.312 | 5.510 | 167.9 | 11.9 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 150.000 | 6.30 | 6912.784 | 13156.937 | 6.568 | 200.1 | 33.4 | NO | | NO | bb |

**Compound name: d9-N-EtFOSE**
Response Factor: 0.0343678
RRF SD: 0.00430367, Relative SD: 12.5224
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 150.000 | 6.45 | 7975.054 | 20422.541 | 4.881 | 142.0 | -5.3 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 150.000 | 6.45 | 7552.615 | 19832.902 | 4.760 | 138.5 | -7.7 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 150.000 | 6.45 | 7876.904 | 20169.109 | 4.882 | 142.0 | -5.3 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 150.000 | 6.45 | 7966.292 | 21456.369 | 4.641 | 135.0 | -10.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 150.000 | 6.46 | 7654.471 | 20059.441 | 4.770 | 138.8 | -7.5 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 150.000 | 6.45 | 7678.214 | 20617.865 | 4.655 | 135.4 | -9.7 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 150.000 | 6.46 | 7896.455 | 19027.406 | 5.188 | 150.9 | 0.6 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 150.000 | 6.46 | 7622.346 | 17897.227 | 5.324 | 154.9 | 3.3 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 150.000 | 6.45 | 7473.473 | 16258.312 | 5.746 | 167.2 | 11.5 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 150.000 | 6.45 | 7057.898 | 13156.937 | 6.705 | 195.1 | 30.1 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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**Compound name: 13C4-PFBA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 1.35 | 8987.424 | 8987.424 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 1.35 | 8867.507 | 8867.507 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 1.35 | 8709.267 | 8709.267 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 1.35 | 9304.108 | 9304.108 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 1.35 | 8743.739 | 8743.739 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 1.35 | 8914.997 | 8914.997 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 1.35 | 9165.350 | 9165.350 | 12.500 | 12.5 | 0.0 | NO | | NO | bd |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 1.35 | 8641.228 | 8641.228 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 1.35 | 8560.764 | 8560.764 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 1.35 | 8070.541 | 8070.541 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C5-PFHxA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 3.11 | 15612.090 | 15612.090 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 3.11 | 14565.895 | 14565.895 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 3.11 | 15711.242 | 15711.242 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 3.11 | 15724.858 | 15724.858 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 3.11 | 15004.407 | 15004.407 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 3.11 | 15168.935 | 15168.935 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 3.11 | 15484.437 | 15484.437 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 3.11 | 14025.576 | 14025.576 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 3.11 | 13183.010 | 13183.010 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 3.11 | 10694.359 | 10694.359 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: 18O2-PFHxS**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 3.89 | 885.715 | 885.715 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 3.89 | 994.685 | 994.685 | 12.500 | 12.5 | 0.0 | NO | | NO | bd |
| 3 | 3 190802M1_8 | Standard | 12.500 | 3.89 | 1032.755 | 1032.755 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 3.89 | 1180.476 | 1180.476 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 3.89 | 934.684 | 934.684 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 3.89 | 949.923 | 949.923 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 3.89 | 1003.883 | 1003.883 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 3.89 | 872.897 | 872.897 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 3.89 | 821.300 | 821.300 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 3.89 | 778.819 | 778.819 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C8-PFOA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190802M1_6 | Standard | 12.500 | 4.26 | 23100.797 | 23100.797 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190802M1_7 | Standard | 12.500 | 4.26 | 22464.205 | 22464.205 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190802M1_8 | Standard | 12.500 | 4.26 | 23409.826 | 23409.826 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190802M1_9 | Standard | 12.500 | 4.26 | 23742.604 | 23742.604 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190802M1_10 | Standard | 12.500 | 4.26 | 22326.281 | 22326.281 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 190802M1_11 | Standard | 12.500 | 4.26 | 23619.299 | 23619.299 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190802M1_12 | Standard | 12.500 | 4.26 | 22496.699 | 22496.699 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190802M1_13 | Standard | 12.500 | 4.26 | 20182.713 | 20182.713 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190802M1_14 | Standard | 12.500 | 4.26 | 17054.418 | 17054.418 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190802M1_15 | Standard | 12.500 | 4.26 | 14245.733 | 14245.733 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

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**Compound name: 13C9-PFNA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 4.70 | 12214.354 | 12214.354 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 4.70 | 11980.535 | 11980.535 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 4.70 | 12912.118 | 12912.118 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 4.70 | 13327.629 | 13327.629 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 4.70 | 12448.946 | 12448.946 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 4.70 | 12758.275 | 12758.275 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 4.70 | 12147.878 | 12147.878 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 4.70 | 11238.097 | 11238.097 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 4.70 | 10223.364 | 10223.364 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 4.70 | 8370.658 | 8370.658 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C4-PFOS**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 4.78 | 2213.092 | 2213.092 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 4.78 | 2260.081 | 2260.081 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 4.79 | 2257.980 | 2257.980 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 4.79 | 2300.531 | 2300.531 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 4.78 | 2297.522 | 2297.522 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 4.78 | 2279.683 | 2279.683 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 4.78 | 2280.428 | 2280.428 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 4.79 | 2096.185 | 2096.185 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 4.79 | 1955.564 | 1955.564 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 4.78 | 1647.116 | 1647.116 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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**Compound name: 13C6-PFDA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 5.08 | 14886.708 | 14886.708 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 5.08 | 14608.642 | 14608.642 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 5.08 | 15747.771 | 15747.771 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 5.08 | 16304.642 | 16304.642 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 5.08 | 14601.071 | 14601.071 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 5.08 | 16237.253 | 16237.253 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 5.08 | 14904.611 | 14904.611 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 5.08 | 14395.865 | 14395.865 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 5.08 | 12046.356 | 12046.356 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 5.08 | 10291.512 | 10291.512 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C7-PFUdA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190802M1_6 | Standard | 12.500 | 5.40 | 20422.541 | 20422.541 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190802M1_7 | Standard | 12.500 | 5.40 | 19832.902 | 19832.902 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190802M1_8 | Standard | 12.500 | 5.40 | 20169.109 | 20169.109 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190802M1_9 | Standard | 12.500 | 5.40 | 21456.369 | 21456.369 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190802M1_10 | Standard | 12.500 | 5.40 | 20059.441 | 20059.441 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190802M1_11 | Standard | 12.500 | 5.40 | 20617.865 | 20617.865 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190802M1_12 | Standard | 12.500 | 5.40 | 19027.406 | 19027.406 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190802M1_13 | Standard | 12.500 | 5.40 | 17897.227 | 17897.227 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190802M1_14 | Standard | 12.500 | 5.40 | 16258.312 | 16258.312 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190802M1_15 | Standard | 12.500 | 5.40 | 13156.937 | 13156.937 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Saturday, August 03, 2019 11:11:43 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:11:53 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 15:30:09**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Compound name: PFBA**

| | # | Name | ID | Acq.Date | Acq.Time |
|---|---|---|---|---|---|
| 1 | 1 | 190802M2_1 | IPA | 02-Aug-19 | 12:26:02 |
| 2 | 2 | 190802M2_2 | IPA | 02-Aug-19 | 12:36:36 |
| 3 | 3 | 190802M2_3 | ST190802M2-1 PFC CS-2 19G2301 | 02-Aug-19 | 12:47:14 |
| 4 | 4 | 190802M2_4 | ST190802M2-2 PFC CS-1 19G2302 | 02-Aug-19 | 12:57:48 |
| 5 | 5 | 190802M2_5 | ST190802M2-3 PFC CS0 19G2303 | 02-Aug-19 | 13:08:26 |
| 6 | 6 | 190802M2_6 | ST190802M2-4 PFC CS1 19G2304 | 02-Aug-19 | 13:19:04 |
| 7 | 7 | 190802M2_7 | ST190802M2-5 PFC CS2 19G2305 | 02-Aug-19 | 13:29:37 |
| 8 | 8 | 190802M2_8 | ST190802M2-6 PFC CS3 19G2306 | 02-Aug-19 | 13:40:16 |
| 9 | 9 | 190802M2_9 | ST190802M2-7 PFC CS4 19G2307 | 02-Aug-19 | 13:50:49 |
| 10 | 10 | 190802M2_10 | ST190802M2-8 PFC CS5 19G2308 | 02-Aug-19 | 14:01:28 |
| 11 | 11 | 190802M2_11 | ST190802M2-9 PFC CS6 19G2309 | 02-Aug-19 | 14:12:01 |
| 12 | 12 | 190802M2_12 | ST190802M2-10 PFC CS7 19G2310 | 02-Aug-19 | 14:22:39 |
| 13 | 13 | 190802M2_13 | IB | 02-Aug-19 | 14:33:12 |
| 14 | 14 | 190802M2_14 | ICV190802M2-1 PFC ICV 19G2311 | 02-Aug-19 | 14:43:51 |
| 15 | 15 | 190802M2_15 | IPA | 02-Aug-19 | 14:54:23 |

**Quantify Sample Summary Report** **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:07:18 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Name: 190802M1_11, Date: 02-Aug-2019, Time: 10:39:55, ID: ST190802M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | PFBA | 1.35 | 1.35 | | | |
| 2 | PFPrS | 1.70 | 1.70 | 2.620 | 2.620 | NO |
| 3 | 3:3 FTCA | 2.15 | 2.18 | 1.653 | 1.653 | NO |
| 4 | PFPeA | 2.33 | 2.33 | | | |
| 5 | PFBS | 2.62 | 2.62 | 3.218 | 3.218 | NO |
| 6 | 4:2 FTS | 3.02 | 3.02 | 1.924 | 1.924 | NO |
| 7 | PFHxA | 3.11 | 3.11 | 13.328 | 13.328 | NO |
| 8 | PFPeS | 3.32 | 3.32 | 1.244 | 1.244 | NO |
| 9 | HFPO-DA | 3.33 | 3.33 | 1.977 | 1.977 | NO |
| 10 | 5:3 FTCA | 3.66 | 3.67 | 1.404 | 1.404 | NO |
| 11 | PFHpA | 3.74 | 3.74 | 4.426 | 4.426 | NO |
| 12 | ADONA | 3.85 | 3.85 | 3.209 | 3.209 | NO |
| 13 | L-PFHxS | 3.89 | 3.89 | 2.273 | 2.273 | NO |
| 14 | 6:2 FTS | 4.21 | 4.21 | 1.981 | 1.981 | NO |
| 15 | L-PFOA | 4.26 | 4.26 | 3.818 | 3.818 | NO |
| 16 | PFecHS | 4.28 | 4.28 | 1.048 | 1.048 | NO |
| 17 | PFHpS | 4.38 | 4.38 | 1.785 | 1.785 | NO |
| 18 | 7:3 FTCA | 4.69 | 4.69 | 2.151 | 2.151 | NO |
| 19 | PFNA | 4.70 | 4.70 | 2.755 | 2.755 | NO |
| 20 | PFOSA | 4.76 | 4.76 | 35.253 | 35.253 | NO |
| 21 | L-PFOS | 4.79 | 4.78 | 2.427 | 2.427 | NO |
| 22 | 9Cl-PF30NS | 5.00 | 5.00 | 28.283 | 28.283 | NO |
| 23 | PFDA | 5.08 | 5.08 | 4.438 | 4.438 | NO |
| 24 | 8:2 FTS | 5.05 | 5.05 | 1.421 | 1.421 | NO |
| 25 | PFNS | 5.14 | 5.14 | 1.514 | 1.514 | NO |
| 26 | L-MeFOSAA | 5.23 | 5.23 | 2.451 | 2.451 | NO |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:07:31 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Name: 190802M1_11, Date: 02-Aug-2019, Time: 10:39:55, ID: ST190802M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | L-EtFOSAA | 5.38 | 5.39 | 1.346 | 1.346 | NO |
| 2 | PFUdA | 5.40 | 5.40 | 5.348 | 5.348 | NO |
| 3 | PFDS | 5.45 | 5.45 | 1.994 | 1.994 | NO |
| 4 | 11Cl-PF30UdS | 5.61 | 5.61 | 5.428 | 5.428 | NO |
| 5 | 10:2 FTS | 5.68 | 5.68 | 1.495 | 1.495 | NO |
| 6 | PFDoA | 5.69 | 5.69 | 7.037 | 7.037 | NO |
| 7 | N-MeFOSA | 5.76 | 5.76 | 1.798 | 1.798 | NO |
| 8 | PFTrDA | 5.94 | 5.94 | 13.628 | 13.628 | NO |
| 9 | PFDoS | 5.96 | 5.96 | 1.790 | 1.790 | NO |
| 10 | PFTeDA | 6.15 | 6.15 | 13.602 | 13.602 | NO |
| 11 | N-EtFOSA | 6.16 | 6.16 | 2.128 | 2.128 | NO |
| 12 | PFHxDA | 6.49 | 6.49 | 9.149 | 9.149 | NO |
| 13 | PFODA | 6.72 | 6.72 | | | |
| 14 | N-MeFOSE | 6.31 | 6.31 | | | |
| 15 | N-EtFOSE | 6.47 | 6.47 | | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:06:13 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Name: 190802M1_6, Date: 02-Aug-2019, Time: 09:46:53, ID: ST190802M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 47 | 0.9988 | NO | |
| 2 | 2 | PFPrS | 49 | 0.9999 | NO | |
| 3 | 3 | 3:3 FTCA | 48 | 0.9971 | NO | |
| 4 | 4 | PFPeA | 48 | 0.9999 | NO | |
| 5 | 5 | PFBS | 49 | 0.9994 | NO | |
| 6 | 6 | 4:2 FTS | 51 | 0.9998 | NO | |
| 7 | 7 | PFHxA | 52 | 0.9992 | NO | |
| 8 | 8 | PFPeS | 49 | 0.9998 | NO | |
| 9 | 9 | HFPO-DA | 50 | 0.9966 | NO | |
| 10 | 10 | 5:3 FTCA | 53 | 0.9995 | NO | |
| 11 | 11 | PFHpA | 53 | 0.9971 | NO | |
| 12 | 12 | ADONA | 53 | 0.9961 | NO | |
| 13 | 13 | L-PFHxS | 54 | 0.9998 | NO | |
| 14 | 15 | 6:2 FTS | 55 | 0.9996 | NO | |
| 15 | 16 | L-PFOA | 58 | 0.9999 | NO | |
| 16 | 18 | PFecHS | 58 | 0.9999 | NO | |
| 17 | 19 | PFHpS | 59 | 0.9992 | NO | |
| 18 | 20 | 7:3 FTCA | 56 | 0.9985 | NO | |
| 19 | 21 | PFNA | 56 | 0.9990 | NO | |
| 20 | 22 | PFOSA | 57 | 0.9983 | NO | |
| 21 | 23 | L-PFOS | 59 | 0.9944 | NO | |
| 22 | 25 | 9Cl-PF30NS | 59 | 0.9994 | NO | |
| 23 | 26 | PFDA | 60 | 0.9992 | NO | |
| 24 | 27 | 8:2 FTS | 61 | 0.9960 | NO | |
| 25 | 28 | PFNS | 59 | 0.9983 | NO | |
| 26 | 29 | L-MeFOSAA | 62 | 0.9994 | NO | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:06:27 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Name: 190802M1_6, Date: 02-Aug-2019, Time: 09:46:53, ID: ST190802M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 31 | L-EtFOSAA | 64 | 0.9988 | NO | |
| 2 | 33 | PFUdA | 63 | 0.9998 | NO | |
| 3 | 34 | PFDS | 61 | 0.9988 | NO | |
| 4 | 35 | 11Cl-PF30UdS | 65 | 0.9994 | NO | |
| 5 | 36 | 10:2 FTS | 61 | 0.9985 | NO | |
| 6 | 37 | PFDoA | 65 | 1.0000 | NO | |
| 7 | 38 | N-MeFOSA | 66 | 0.9996 | NO | |
| 8 | 39 | PFTrDA | 65 | 0.9997 | NO | |
| 9 | 40 | PFDoS | 67 | 0.9995 | NO | |
| 10 | 41 | PFTeDA | 67 | 0.9997 | NO | |
| 11 | 42 | N-EtFOSA | 68 | 0.9996 | NO | |
| 12 | 43 | PFHxDA | 69 | 0.9995 | NO | |
| 13 | 44 | PFODA | 69 | 0.9985 | NO | |
| 14 | 45 | N-MeFOSE | 70 | 0.9995 | NO | |
| 15 | 46 | N-EtFOSE | 71 | 0.9998 | NO | |
| 16 | 47 | 13C3-PFBA | 72 | | NO | 2.353 |
| 17 | 48 | 13C3-PFPeA | 73 | | NO | 3.355 |
| 18 | 49 | 13C3-PFBS | 74 | | NO | 8.520 |
| 19 | 50 | 13C3-HFPO-DA | 73 | | NO | 8.115 |
| 20 | 51 | 13C2-4:2 FTS | 74 | | NO | 14.561 |
| 21 | 52 | 13C2-PFHxA | 73 | | NO | 2.963 |
| 22 | 53 | 13C4-PFHpA | 73 | | NO | 3.891 |
| 23 | 54 | 13C3-PFHxS | 74 | | NO | 9.615 |
| 24 | 55 | 13C2-6:2 FTS | 77 | | NO | 5.848 |
| 25 | 56 | 13C5-PFNA | 76 | | NO | 3.064 |
| 26 | 57 | 13C8-PFOSA | 79 | | NO | 5.128 |
| 27 | 58 | 13C2-PFOA | 75 | | NO | 2.714 |
| 28 | 59 | 13C8-PFOS | 77 | | NO | 4.155 |
| 29 | 60 | 13C2-PFDA | 78 | | NO | 4.633 |
| 30 | 61 | 13C2-8:2 FTS | 77 | | NO | 6.605 |
| 31 | 62 | d3-N-MeFOSAA | 79 | | NO | 5.669 |
| 32 | 63 | 13C2-PFUdA | 79 | | NO | 2.294 |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:06:27 Pacific Daylight Time

**Name: 190802M1_6, Date: 02-Aug-2019, Time: 09:46:53, ID: ST190802M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 33 | 64 | d5-N-EtFOSAA | 79 | | NO | 2.892 |
| 34 | 65 | 13C2-PFDoA | 78 | | NO | 8.638 |
| 35 | 66 | d3-N-MeFOSA | 79 | | NO | 12.575 |
| 36 | 67 | 13C2-PFTeDA | 79 | | NO | 5.612 |
| 37 | 68 | d5-N-ETFOSA | 79 | | NO | 5.678 |
| 38 | 69 | 13C2-PFHxDA | 79 | | NO | 9.013 |
| 39 | 70 | d7-N-MeFOSE | 79 | | NO | 13.753 |
| 40 | 71 | d9-N-EtFOSE | 79 | | NO | 12.522 |
| 41 | 72 | 13C4-PFBA | 72 | | NO | 0.000 |
| 42 | 73 | 13C5-PFHxA | 73 | | NO | 0.000 |
| 43 | 74 | 18O2-PFHxS | 74 | | NO | 0.000 |
| 44 | 75 | 13C8-PFOA | 75 | | NO | 0.000 |
| 45 | 76 | 13C9-PFNA | 76 | | NO | 0.000 |
| 46 | 77 | 13C4-PFOS | 77 | | NO | 0.000 |
| 47 | 78 | 13C6-PFDA | 78 | | NO | 0.000 |
| 48 | 79 | 13C7-PFUdA | 79 | | NO | 0.000 |

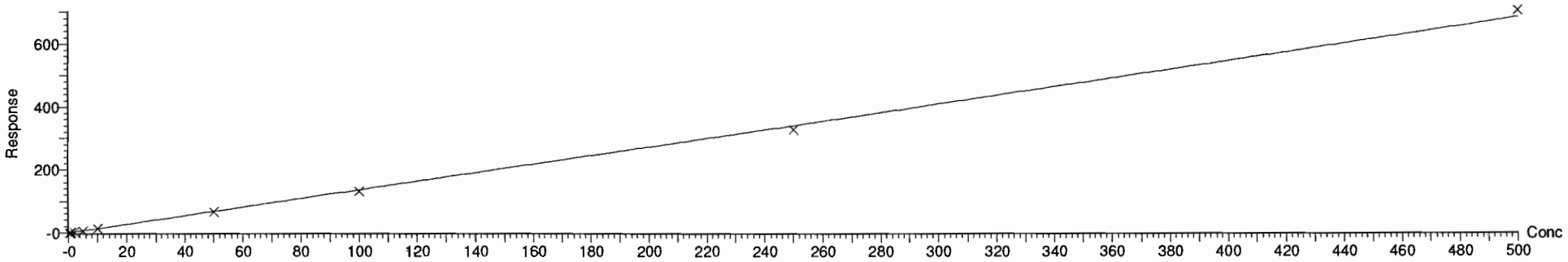
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

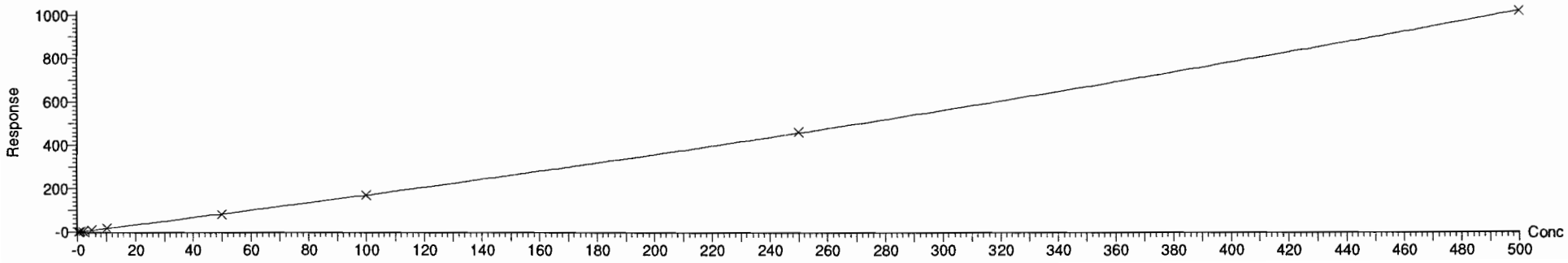
Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:21 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

Compound name: PFBA
Correlation coefficient: r = 0.999388, r^2 = 0.998777
Calibration curve: 1.36508 * x + -0.111105
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



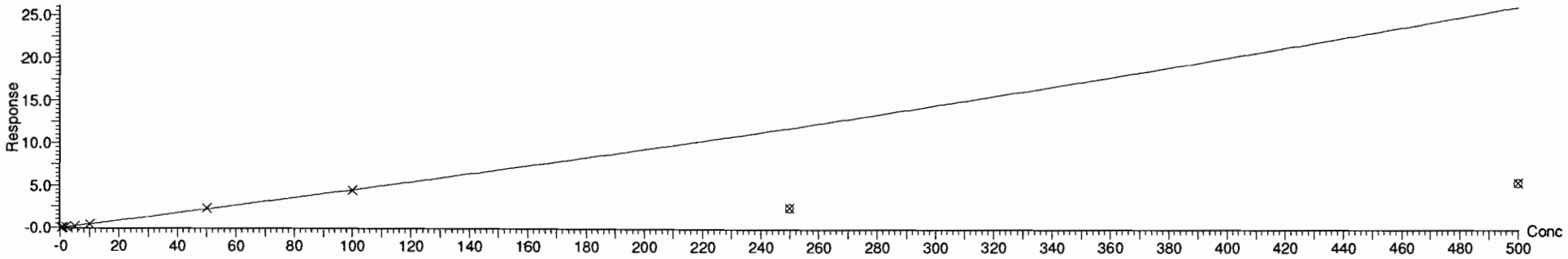

Compound name: PFPrS
Coefficient of Determination: R^2 = 0.999893
Calibration curve: 0.000832257 * x^2 + 1.62145 * x + -0.148244
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



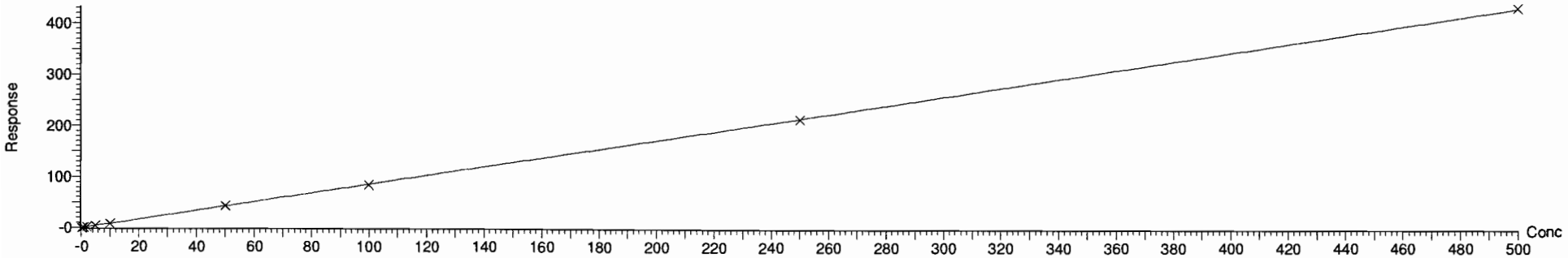
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:21 Pacific Daylight Time

Compound name: 3:3 FTCA
Coefficient of Determination: R^2 = 0.997074
Calibration curve: 1.86948e-005 * x^2 + 0.0428915 * x + -0.00167315
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



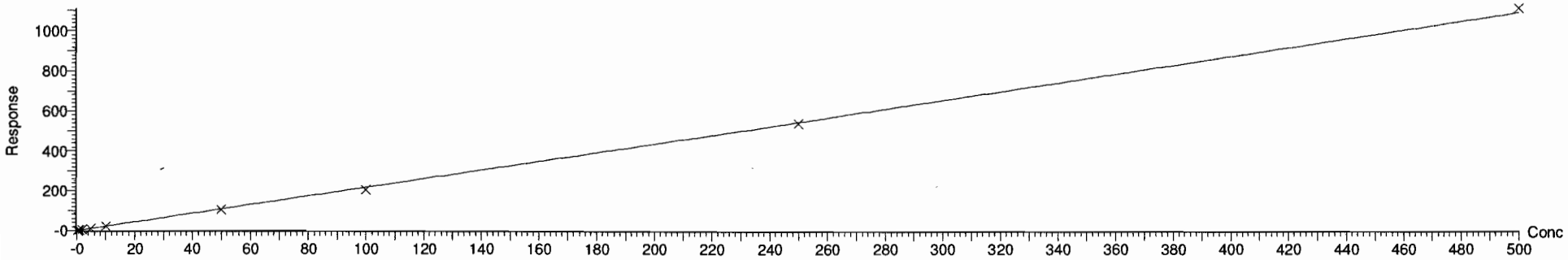

Compound name: PFPeA
Correlation coefficient: r = 0.999953, r^2 = 0.999906
Calibration curve: 0.860543 * x + 0.0223738
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



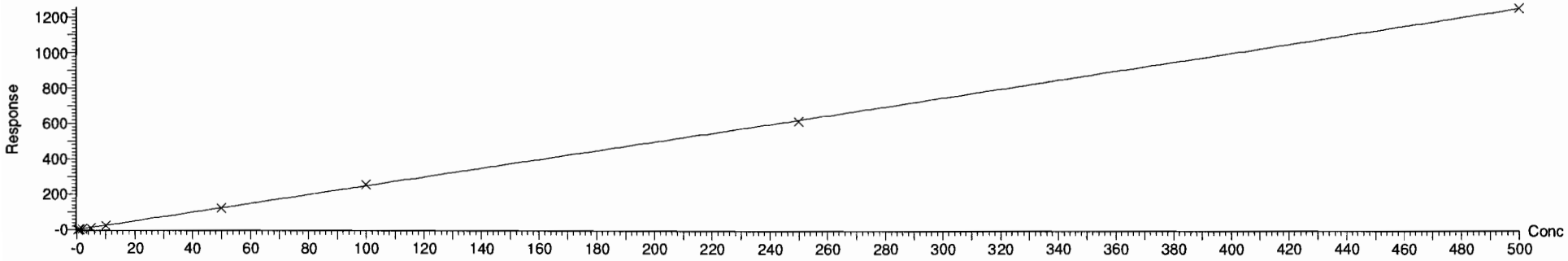
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:21 Pacific Daylight Time

Compound name: PFBS
Correlation coefficient: r = 0.999690, r^2 = 0.999379
Calibration curve: 2.18208 * x + -0.187129
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



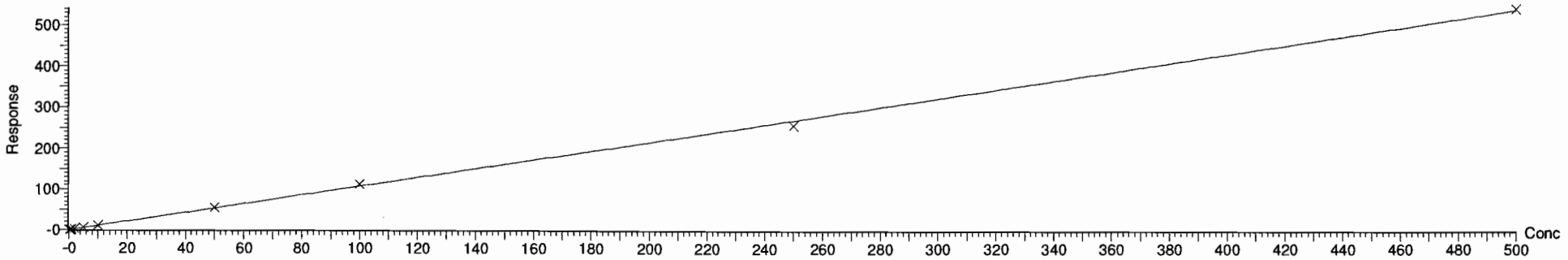

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.999825
Calibration curve: 3.21907e-005 * x^2 + 2.48547 * x + -0.0708481
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



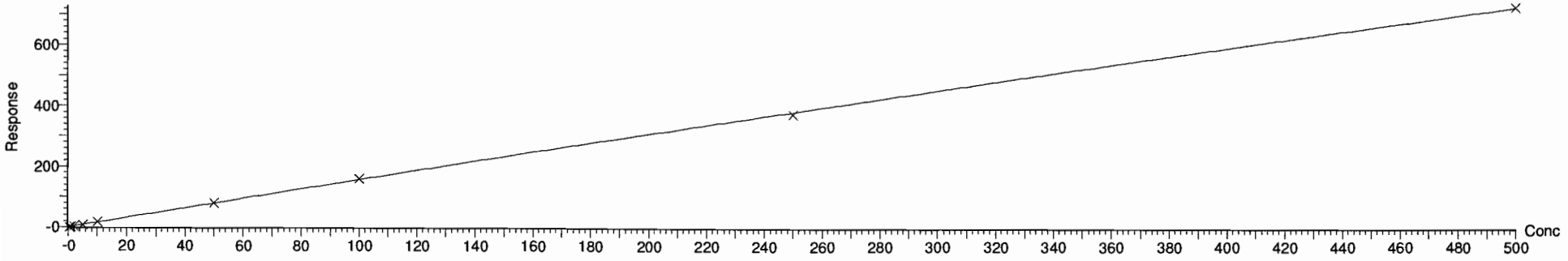
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:21 Pacific Daylight Time

Compound name: PFHxA
Correlation coefficient: r = 0.999585, r^2 = 0.999170
Calibration curve: 1.07581 * x + 0.00957956
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None




Compound name: PFPeS
Coefficient of Determination: R^2 = 0.999763
Calibration curve: -0.000306259 * x^2 + 1.60202 * x + -0.129264
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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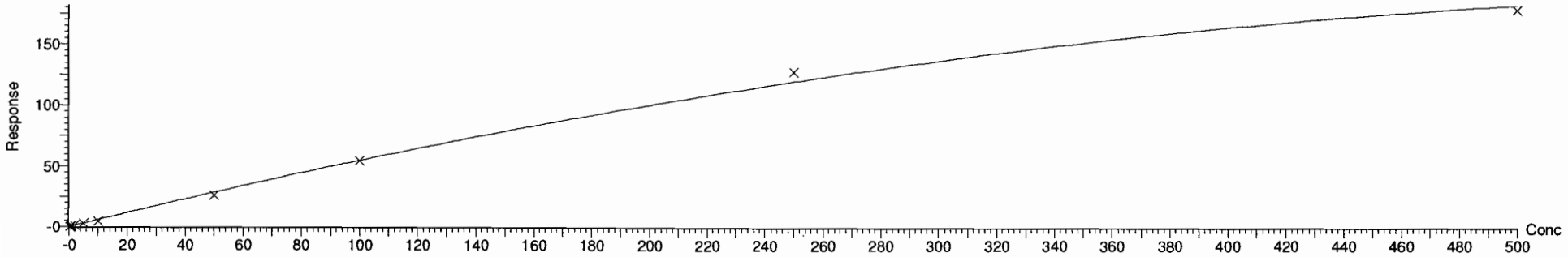
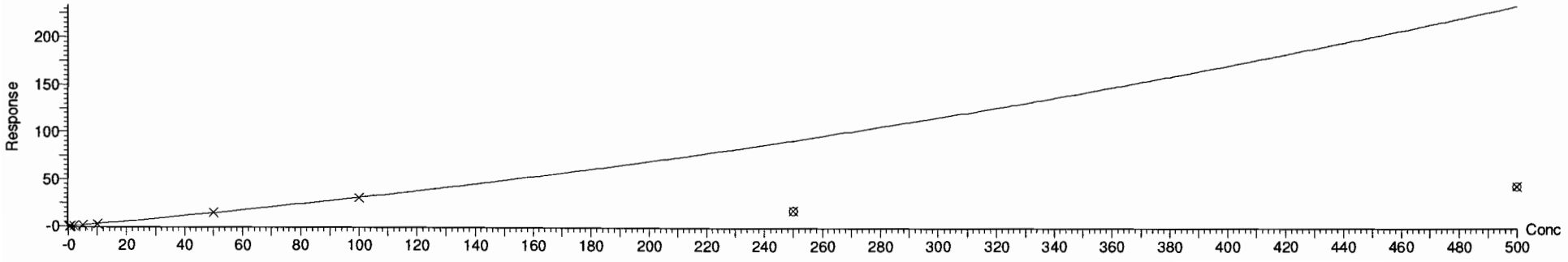
Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.996640
Calibration curve: -0.000462013 * x^2 + 0.594879 * x + -0.0562457
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: 5:3 FTCA
Coefficient of Determination: R^2 = 0.999535
Calibration curve: 0.00040022 * x^2 + 0.266893 * x + -0.00305408
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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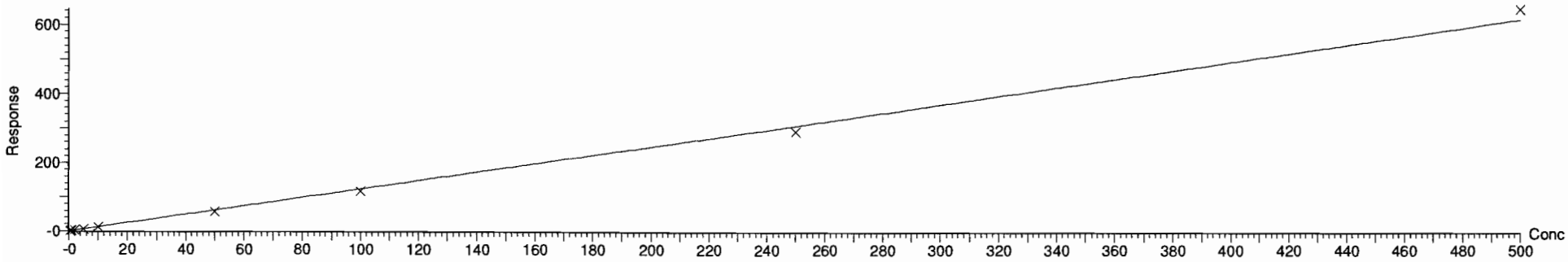
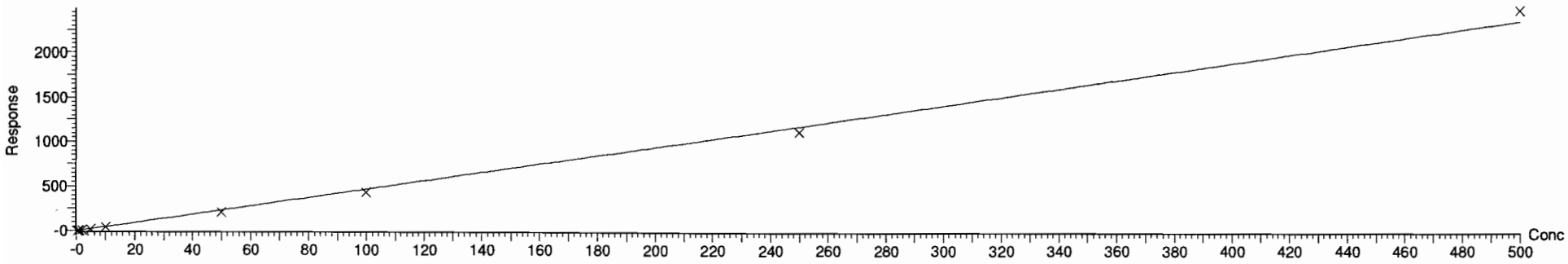
Compound name: PFHpA
Correlation coefficient: r = 0.998554, r^2 = 0.997110
Calibration curve: 1.23471 * x + -0.106876
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: ADONA
Correlation coefficient: r = 0.998050, r^2 = 0.996105
Calibration curve: 4.72025 * x + -0.515935
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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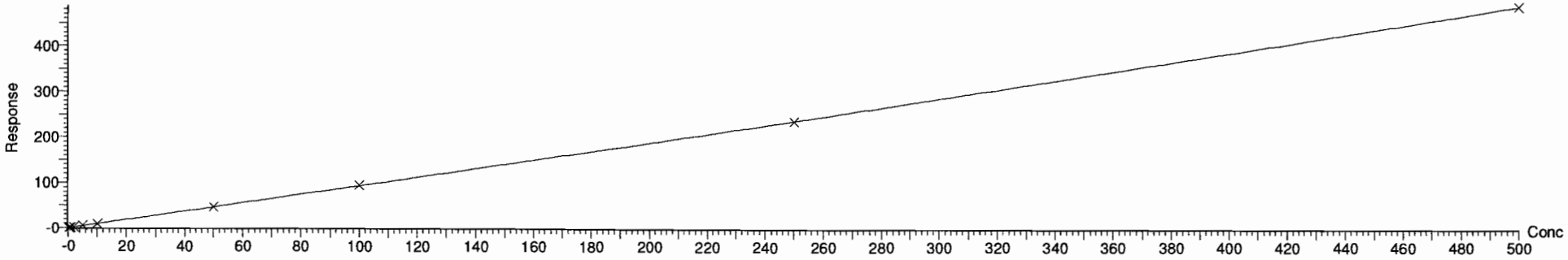
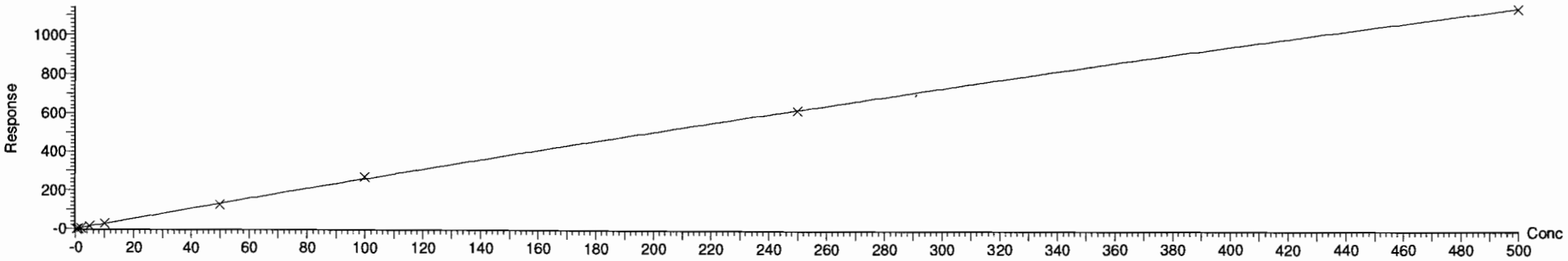
Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999834
Calibration curve: 0.00010717 * x^2 + 0.921524 * x + 0.00229446
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None




Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.999554
Calibration curve: -0.000784506 * x^2 + 2.67688 * x + -0.178558
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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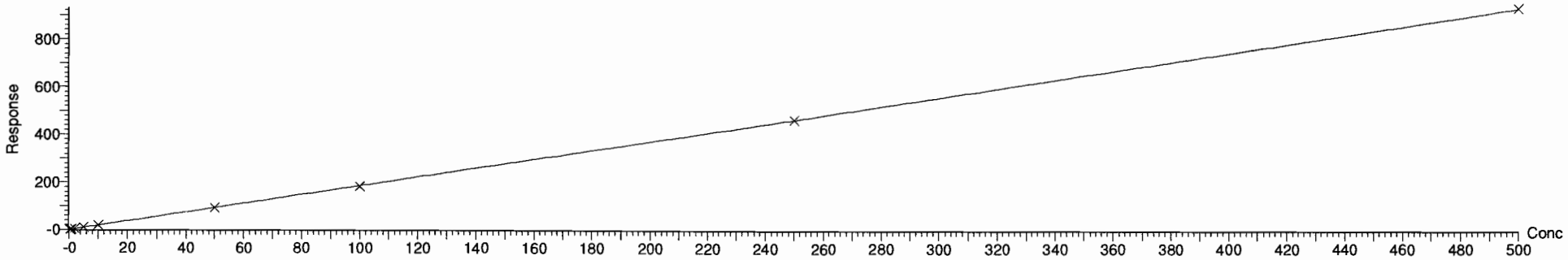
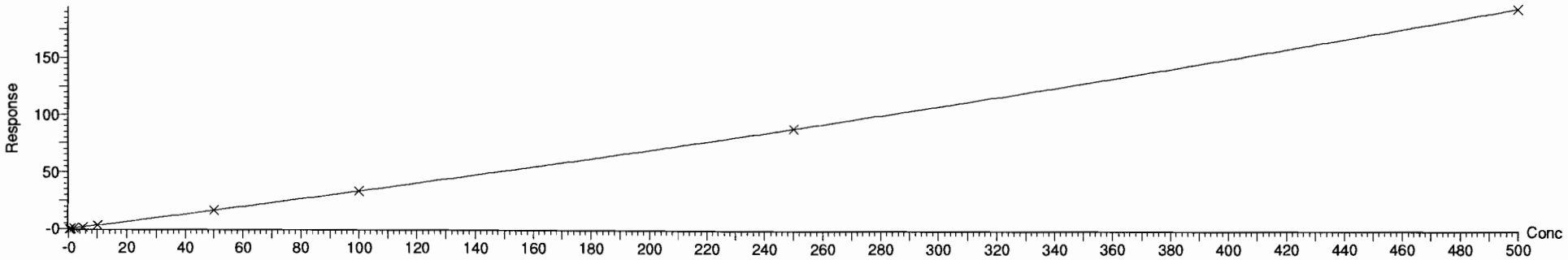
Compound name: L-PFOA
Correlation coefficient: r = 0.999973, r^2 = 0.999947
Calibration curve: 1.85676 * x + 0.0317156
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: PFecHS
Coefficient of Determination: R^2 = 0.999944
Calibration curve: 0.000132385 * x^2 + 0.321927 * x + -0.0368909
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Vista Analytical Laboratory Q1

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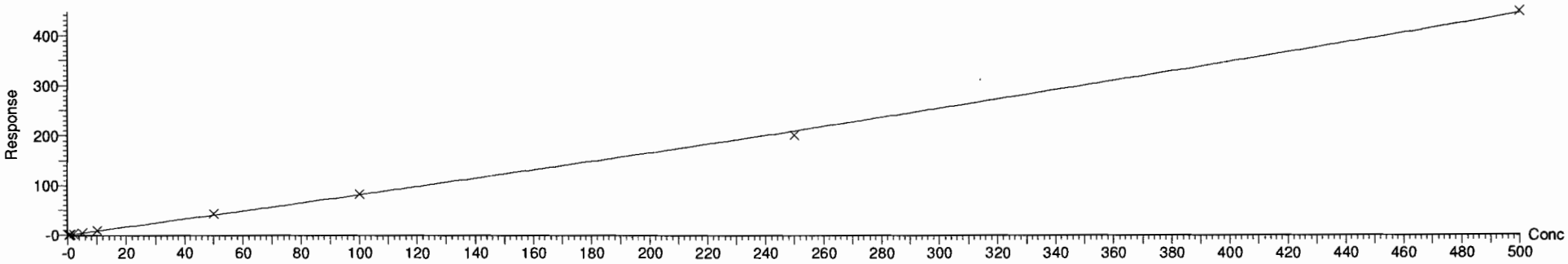
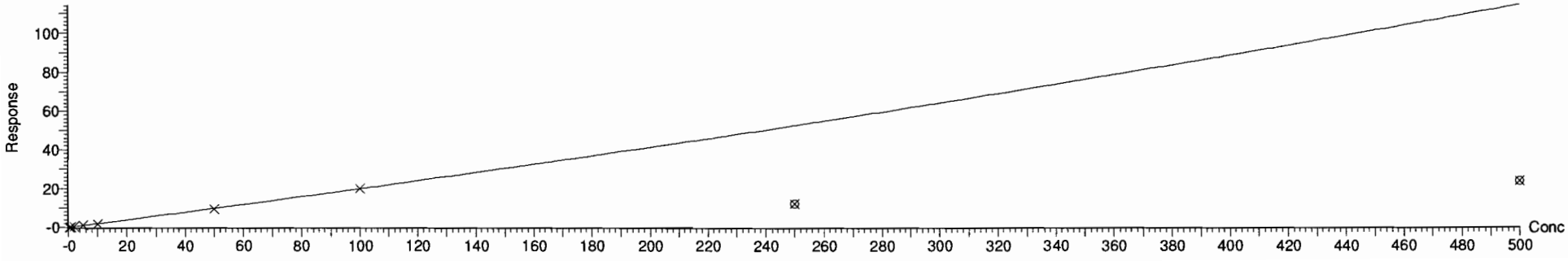
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999172
Calibration curve: 0.000201938 * x^2 + 0.786227 * x + -0.00035739
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: 7:3 FTCA
Coefficient of Determination: R^2 = 0.998478
Calibration curve: 7.35523e-005 * x^2 + 0.191559 * x + -0.0229662
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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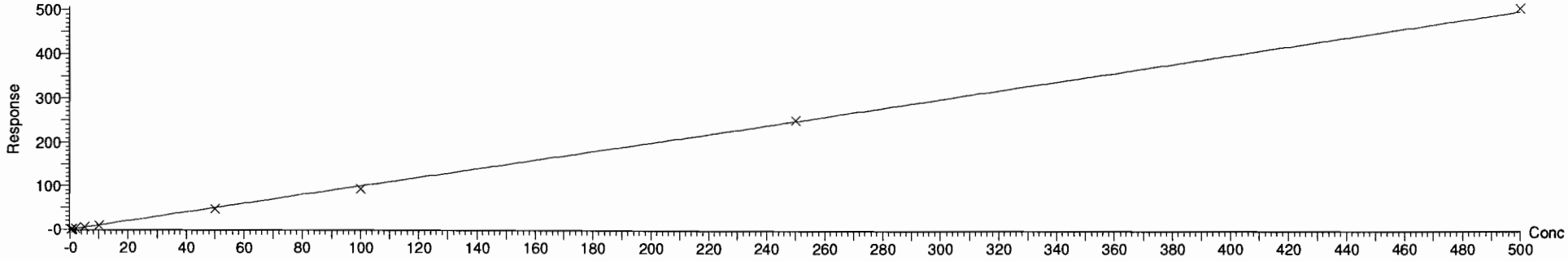
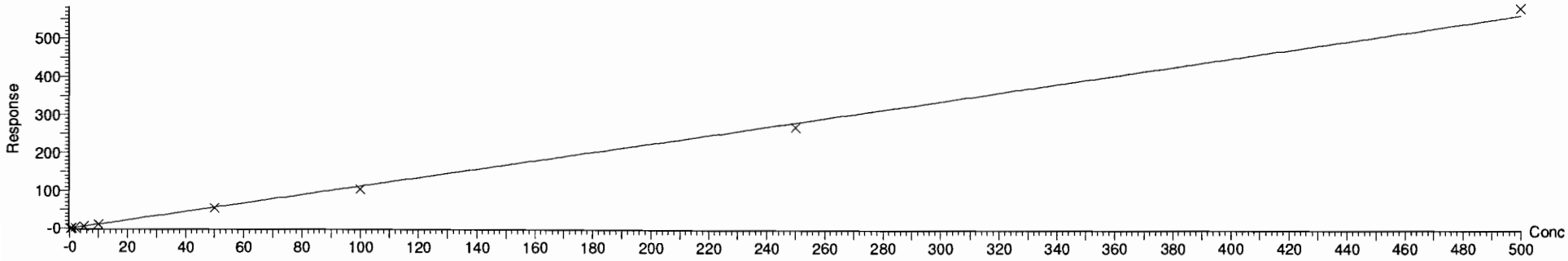
Compound name: PFNA
Correlation coefficient: r = 0.999515, r^2 = 0.999030
Calibration curve: 0.99747 * x + 0.0102771
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: PFOSA
Correlation coefficient: r = 0.999126, r^2 = 0.998252
Calibration curve: 1.12511 * x + 0.101865
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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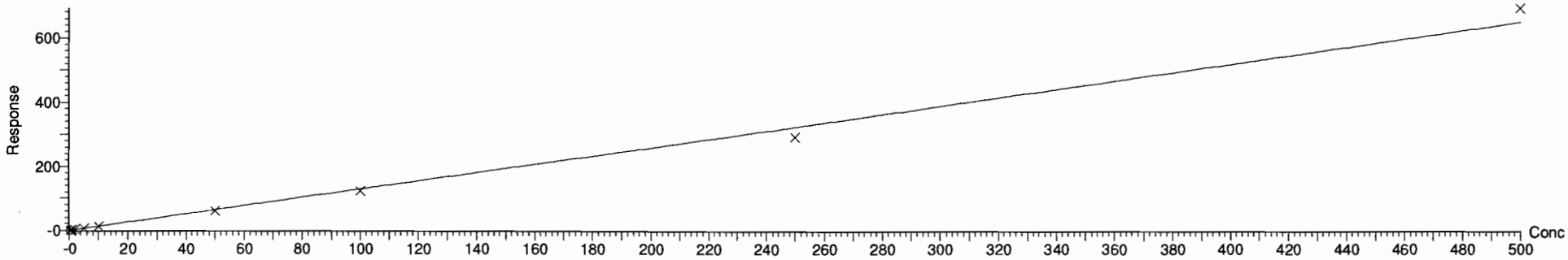
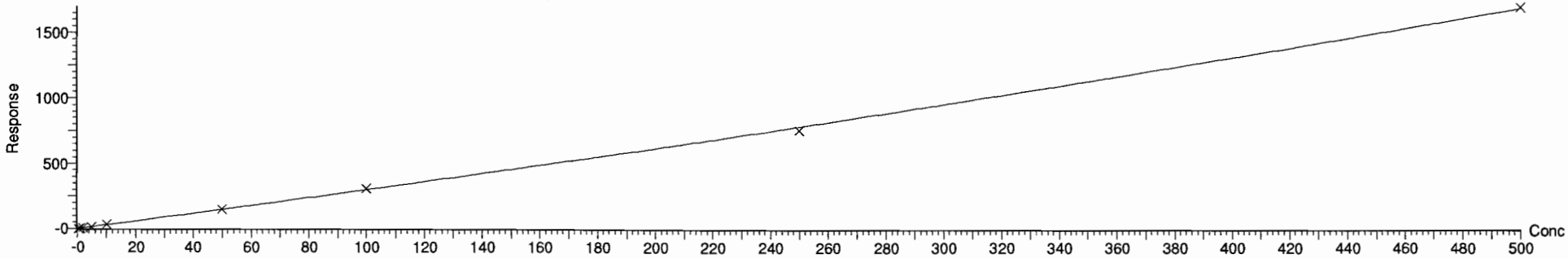
Compound name: L-PFOS
Correlation coefficient: r = 0.997208, r^2 = 0.994423
Calibration curve: 1.29841 * x + -0.227706
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None




Compound name: 9Cl-PF30NS
Coefficient of Determination: R^2 = 0.999420
Calibration curve: 0.000959583 * x^2 + 2.89515 * x + 0.0688508
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



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Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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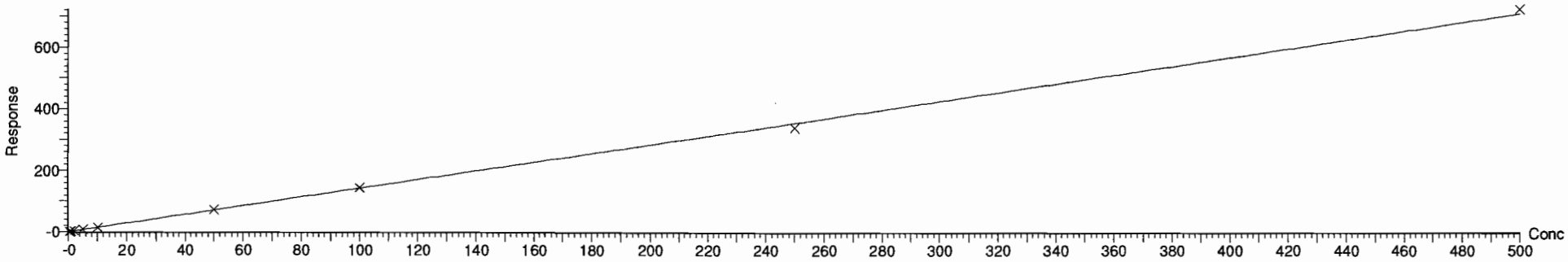
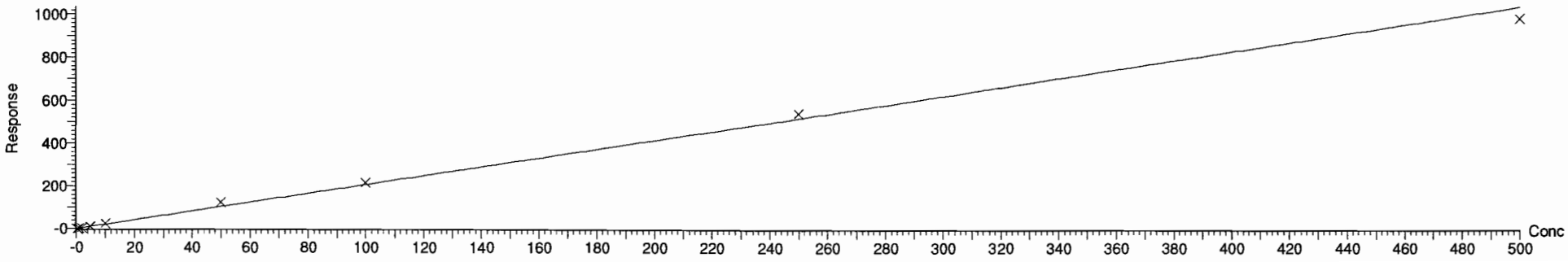
Compound name: PFDA
Correlation coefficient: r = 0.999598, r^2 = 0.999197
Calibration curve: 1.41873 * x + 0.0243019
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: 8:2 FTS
Correlation coefficient: r = 0.997993, r^2 = 0.995989
Calibration curve: 2.07038 * x + 0.171368
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



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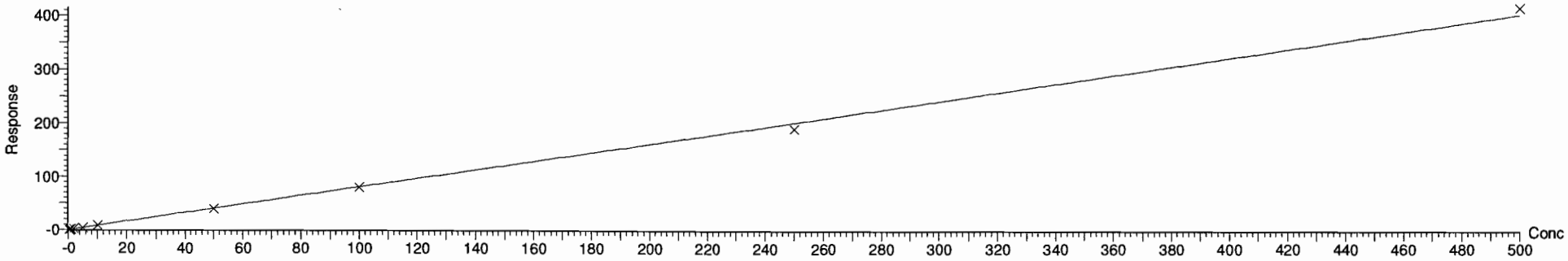
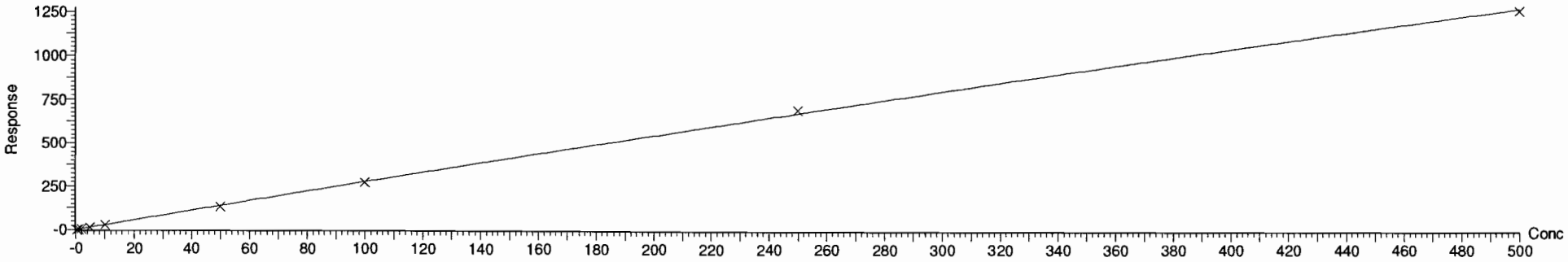
Compound name: PFNS
Correlation coefficient: r = 0.999161, r^2 = 0.998322
Calibration curve: 0.80527 * x + -0.0142767
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999390
Calibration curve: -0.000616936 * x^2 + 2.85279 * x + -0.195709
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



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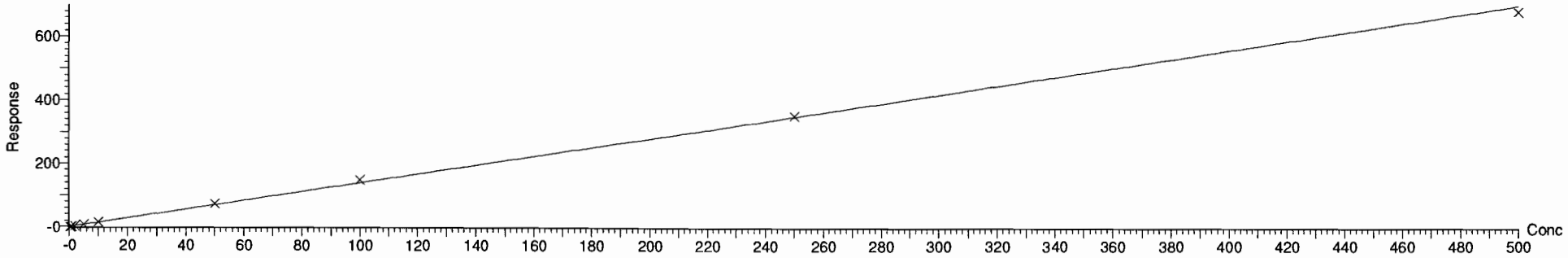
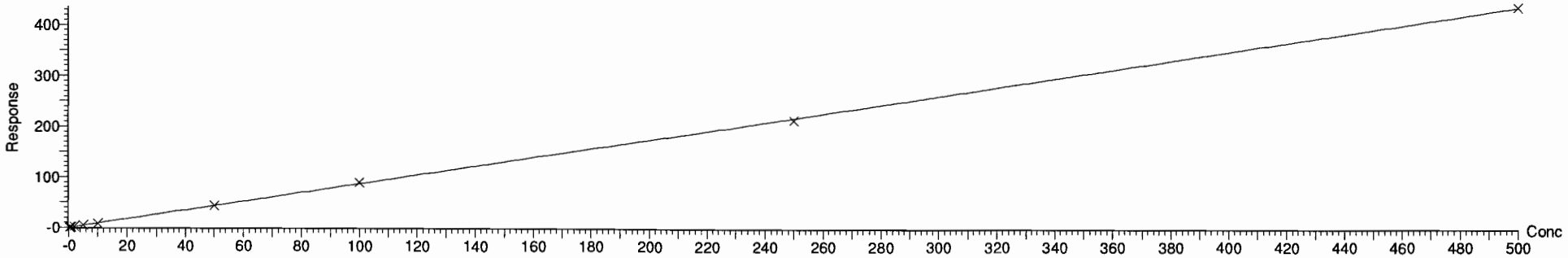
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 12:16:49**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

Compound name: L-EtFOSAA
Correlation coefficient: r = 0.999403, r^2 = 0.998806
Calibration curve: 1.39531 * x + -0.0207987
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None




Compound name: PFUdA
Correlation coefficient: r = 0.999889, r^2 = 0.999777
Calibration curve: 0.870065 * x + 0.0374131
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
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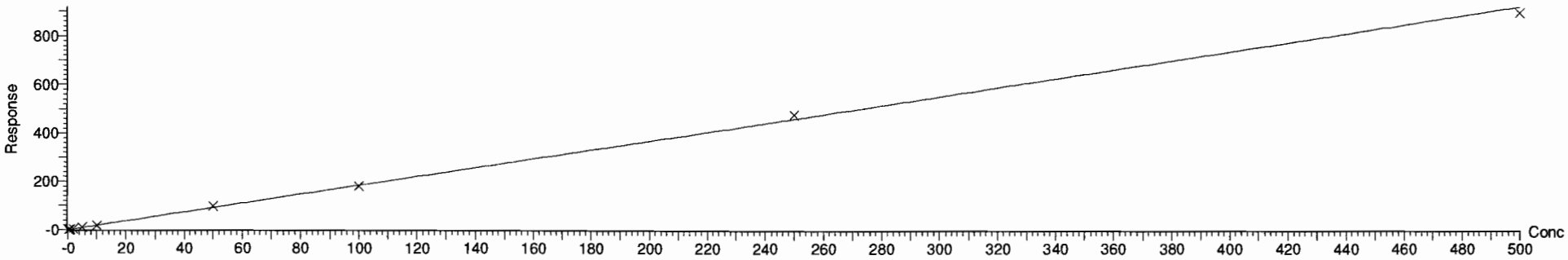
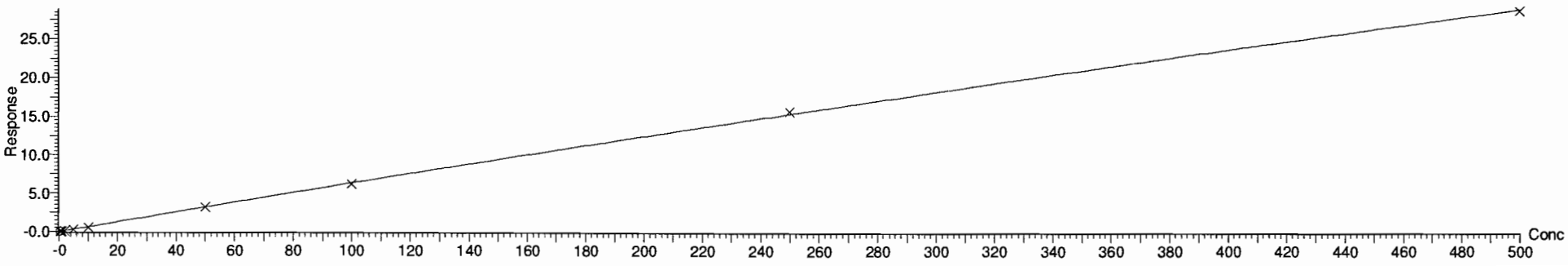
Compound name: PFDS
Correlation coefficient: r = 0.999405, r^2 = 0.998811
Calibration curve: 1.83929 * x + -0.11756
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: 11Cl-PF30UdS
Coefficient of Determination: R^2 = 0.999441
Calibration curve: -1.49005e-005 * x^2 + 0.0651599 * x + -0.00840894
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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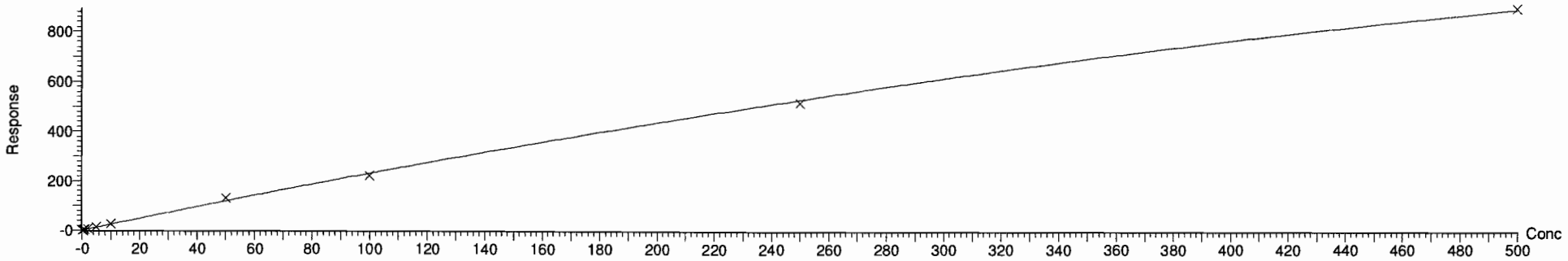
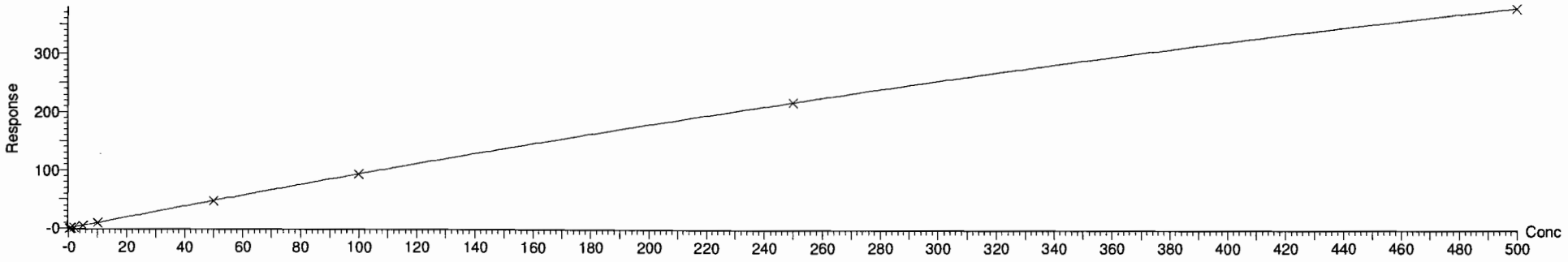
Compound name: 10:2 FTS
Coefficient of Determination: R^2 = 0.998530
Calibration curve: -0.00135403 * x^2 + 2.4533 * x + 0.177839
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999972
Calibration curve: -0.000457737 * x^2 + 0.986359 * x + 0.00628736
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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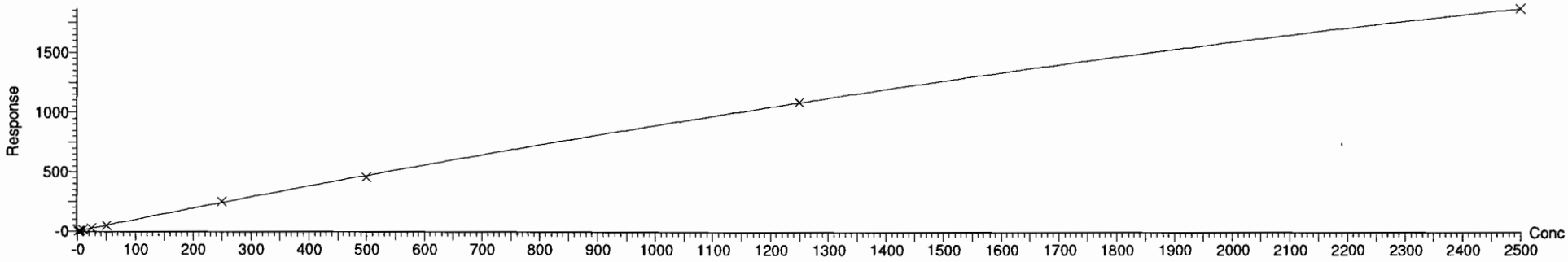
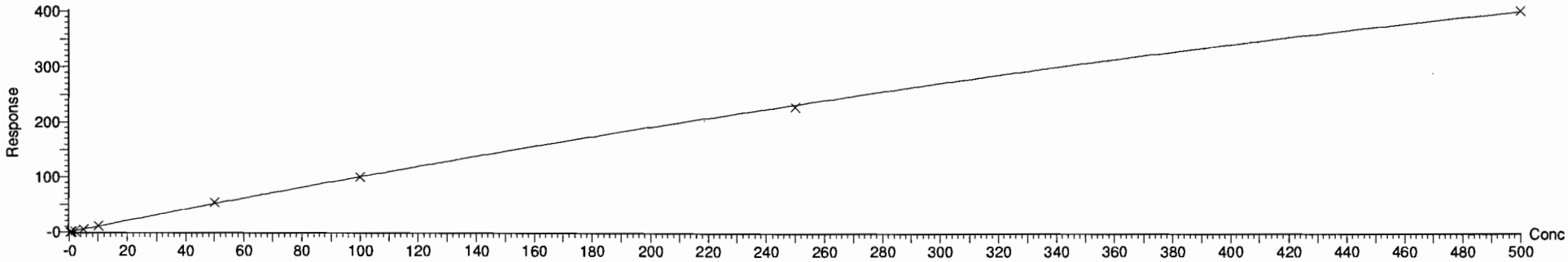
Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999600
Calibration curve: -9.58191e-005 * x^2 + 0.986914 * x + 0.00498142
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None




Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999665
Calibration curve: -0.00051926 * x^2 + 1.06117 * x + 0.0389308
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

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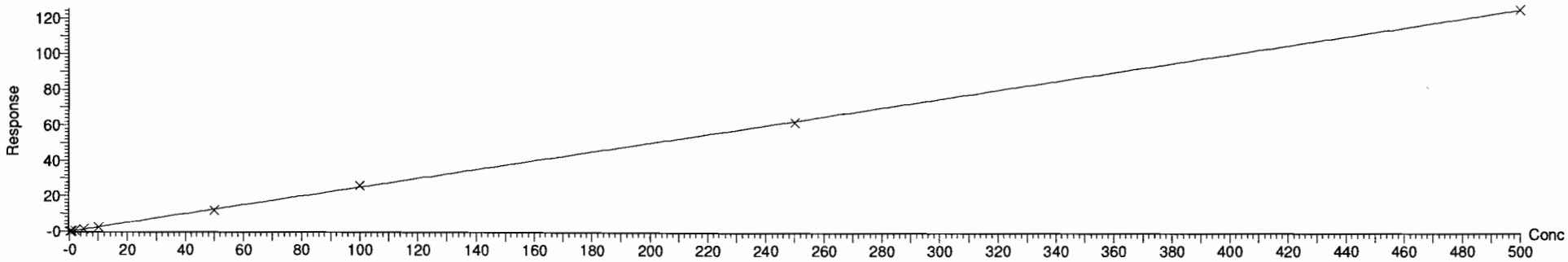
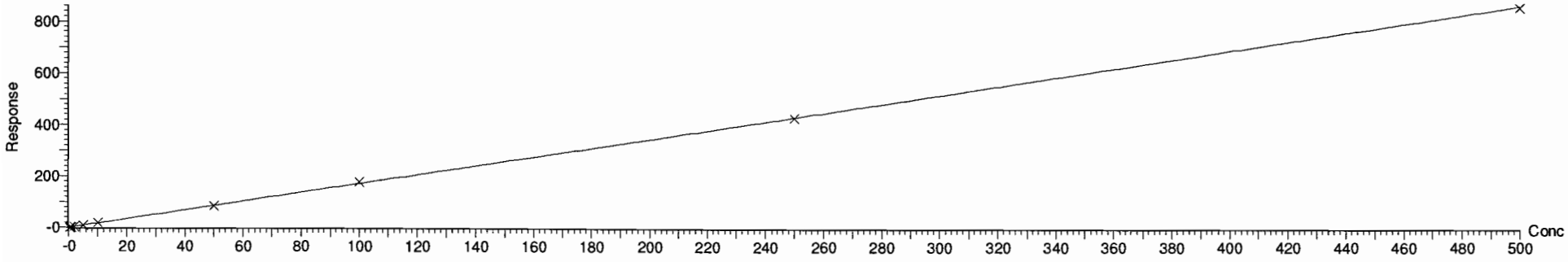
Compound name: PFDoS
Coefficient of Determination: R^2 = 0.999545
Calibration curve: -1.55649e-006 * x^2 + 0.251003 * x + -0.00936845
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: PFTeDA
Correlation coefficient: r = 0.999854, r^2 = 0.999707
Calibration curve: 1.72037 * x + 0.164119
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



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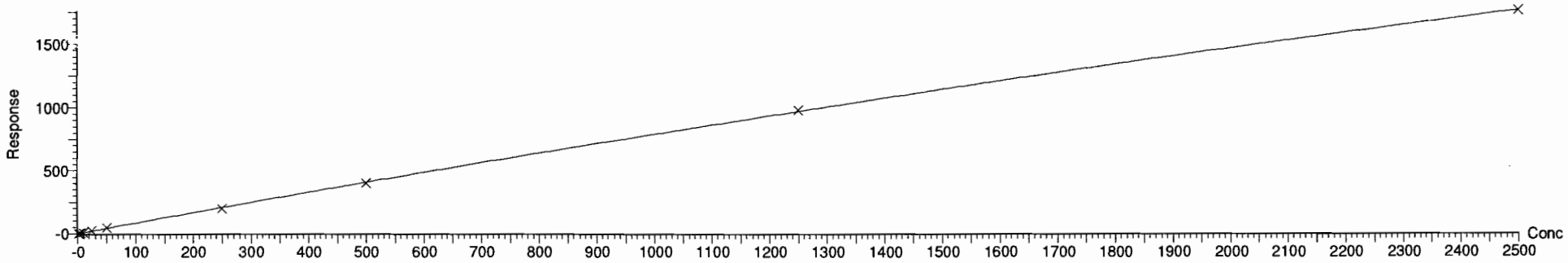
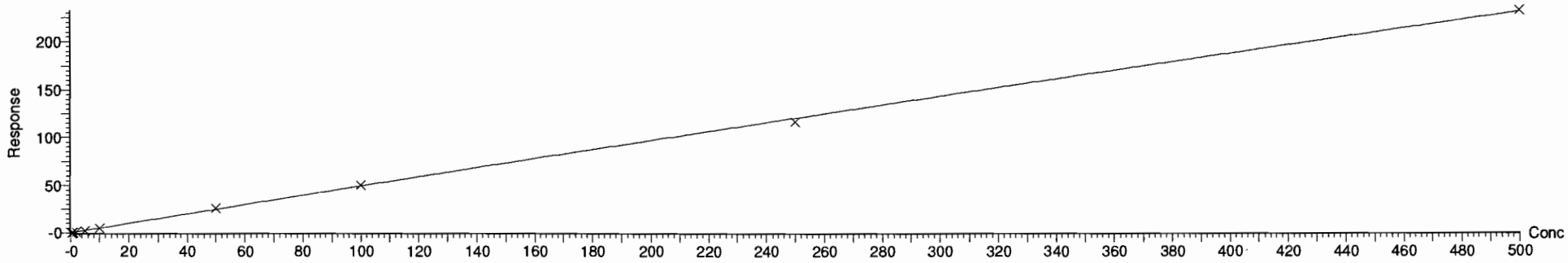
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999551
Calibration curve: -5.63452e-005 * x^2 + 0.845084 * x + 0.190748
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



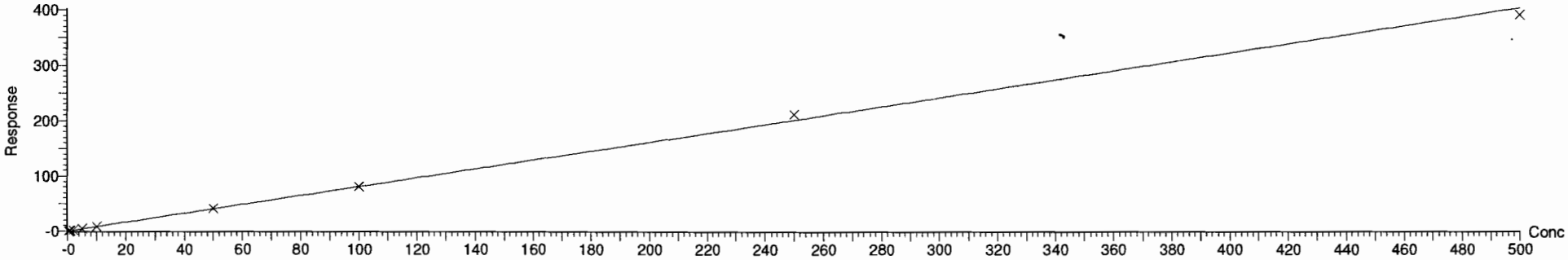

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999519
Calibration curve: -7.56156e-005 * x^2 + 0.499798 * x + 0.0497885
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



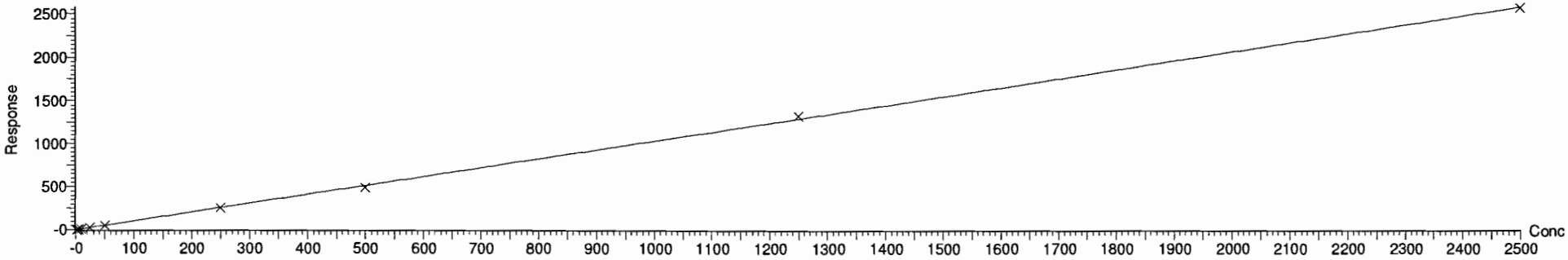
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:40 Pacific Daylight Time

Compound name: PFODA
Correlation coefficient: r = 0.999268, r^2 = 0.998536
Calibration curve: 0.805068 * x + 0.0449687
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



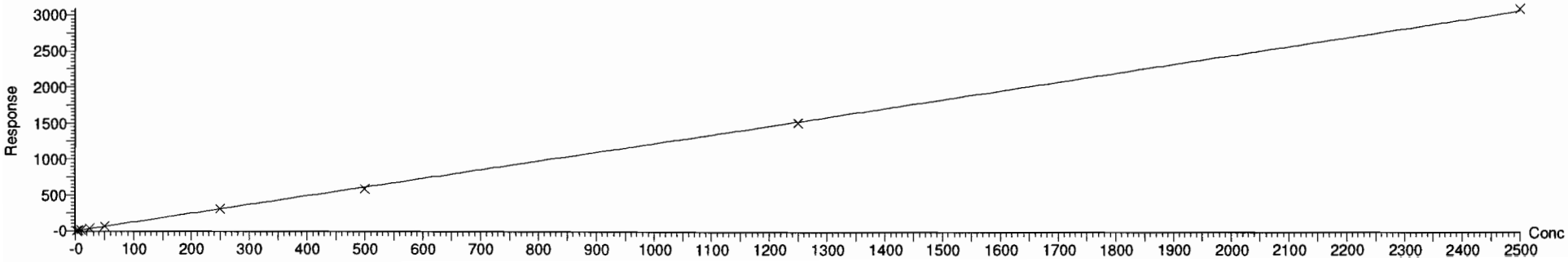

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999739, r^2 = 0.999479
Calibration curve: 1.03205 * x + -0.206786
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-CRV.qld

Last Altered: Saturday, August 03, 2019 11:02:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:10:40 Pacific Daylight Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.999883, r^2 = 0.999767
Calibration curve: 1.22444 * x + -0.142948
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



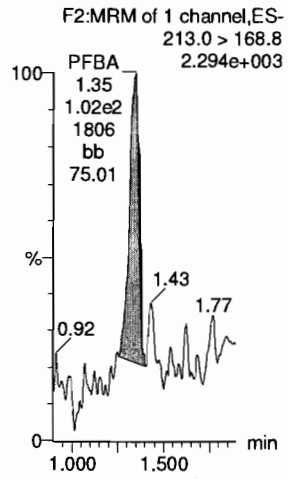
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

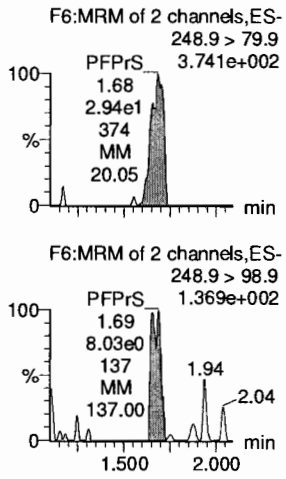
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219.mdb 02 Aug 2019 15:30:09**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 02 Aug 2019 15:31:23**

**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

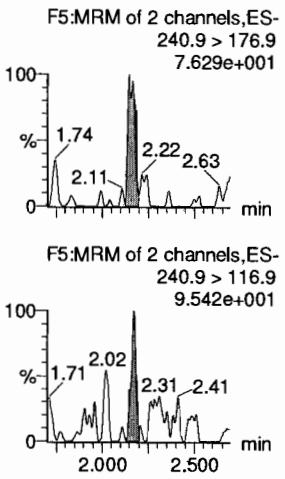
**PFBA**



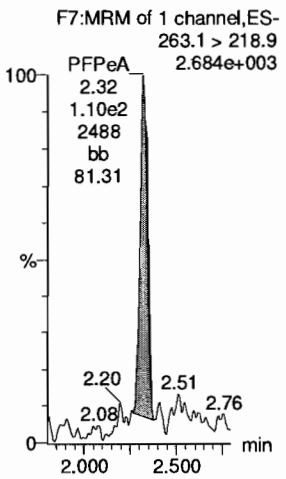

**PFPrS**



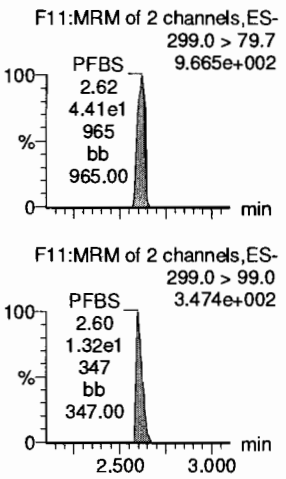

**3:3 FTCA**



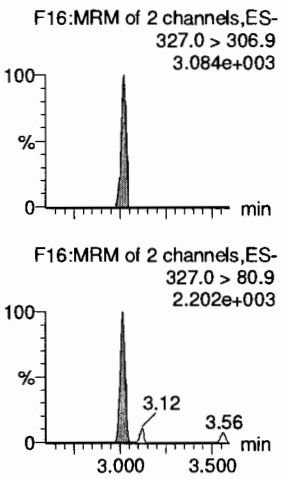

**PFPeA**



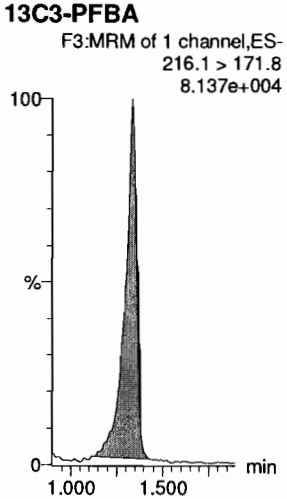

**PFBS**



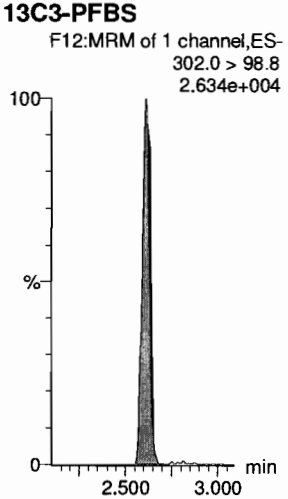

**4:2 FTS**



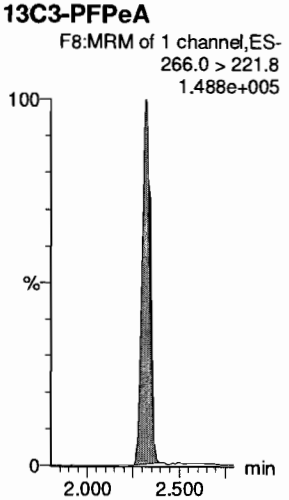

**13C3-PFBA**



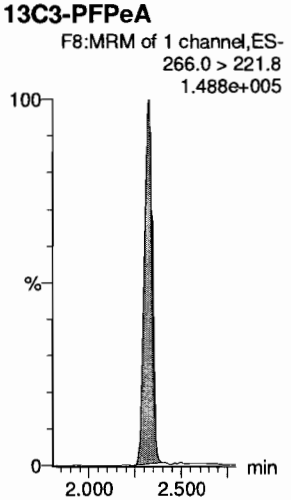

**13C3-PFBS**



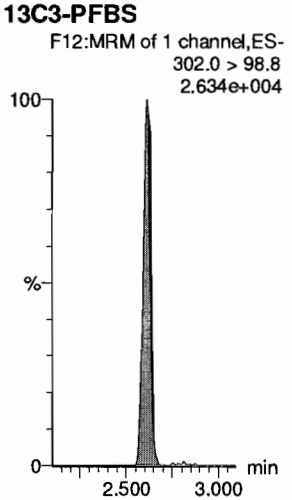

**13C3-PFPeA**



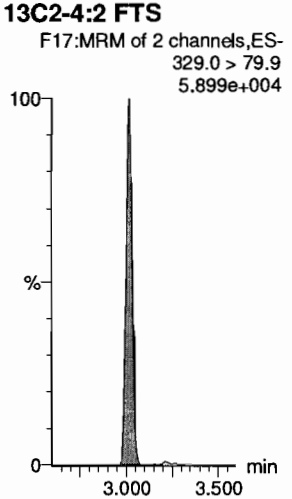

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

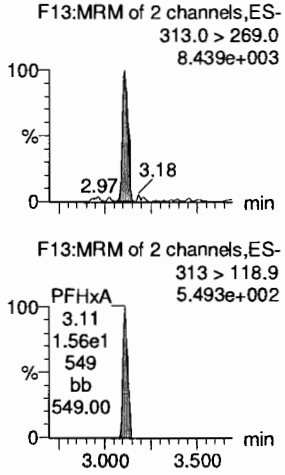


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

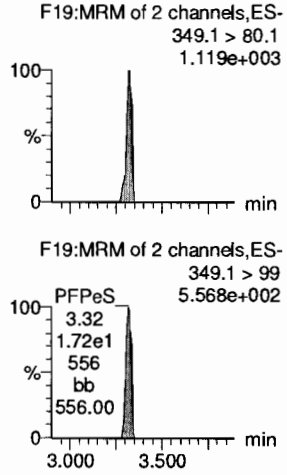
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

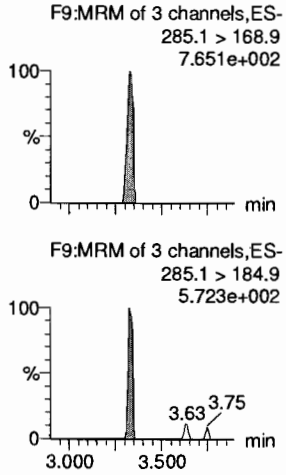
**PFHxA**



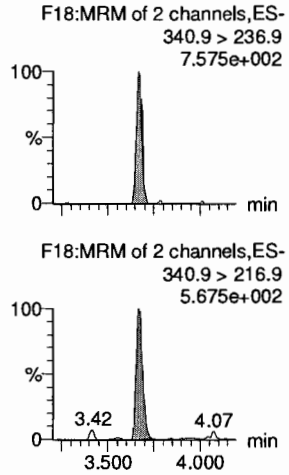

**PFPeS**



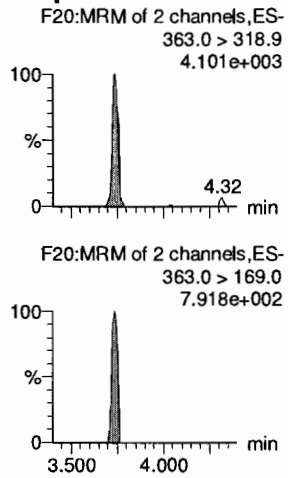

**HFPO-DA**



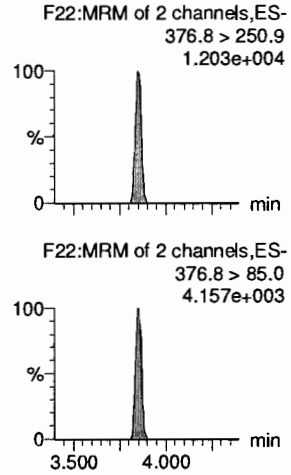

**5:3 FTCA**



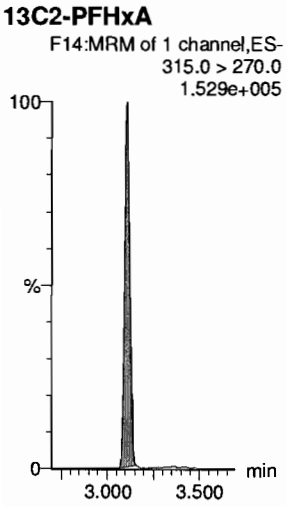

**PFHpA**



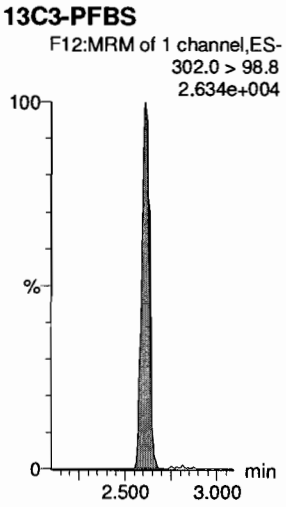

**ADONA**



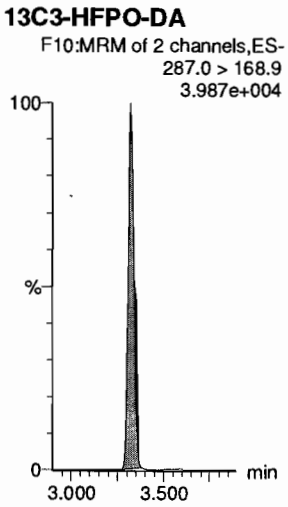

**13C2-PFHxA**



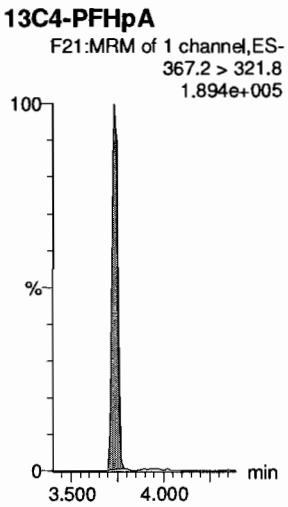

**13C3-PFBS**



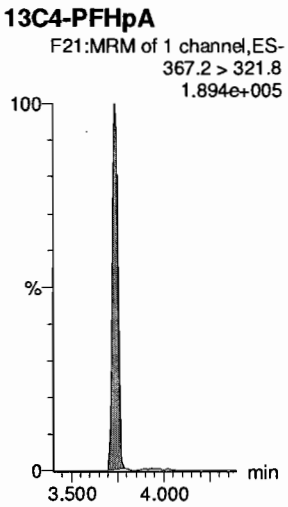

**13C3-HFPO-DA**



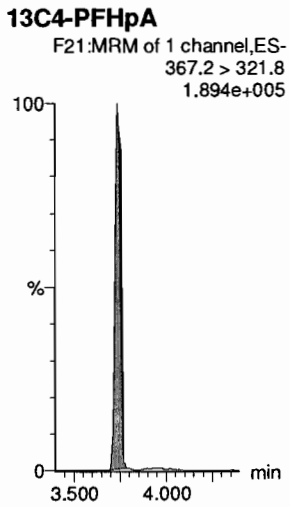

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

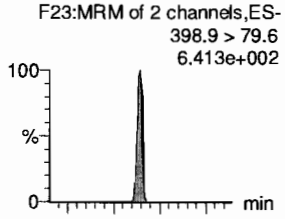


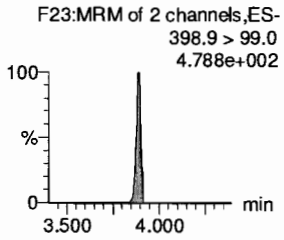
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

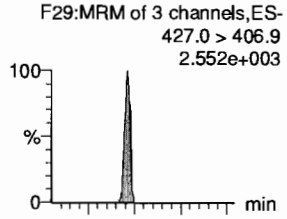
**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

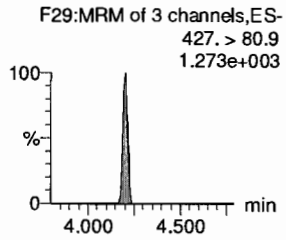
**L-PFHxS**



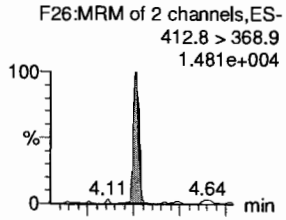



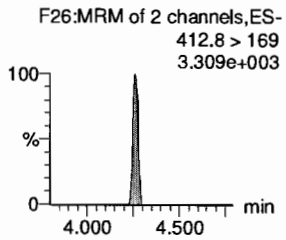

**6:2 FTS**



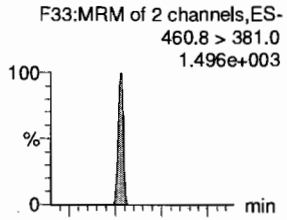



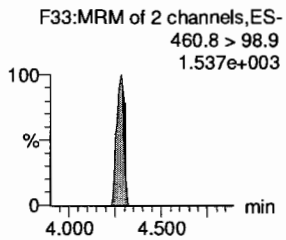

**L-PFOA**



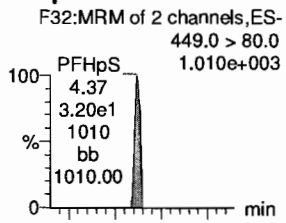



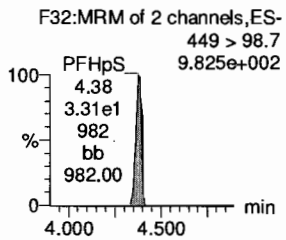

**PFEChS**



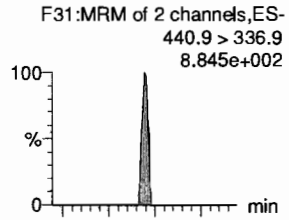



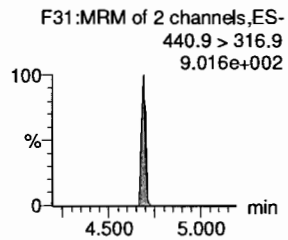

**PFHpS**



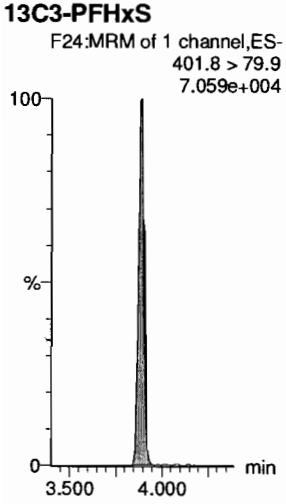




**7:3 FTCA**

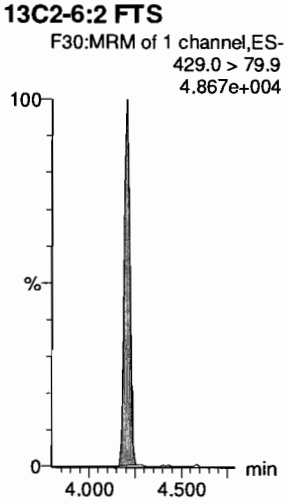


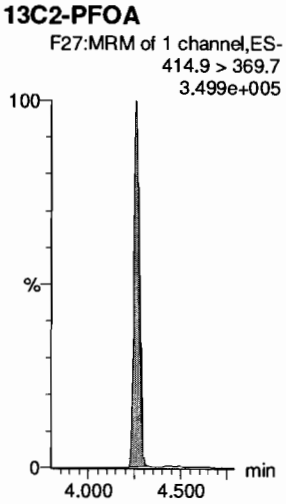

**13C3-PFHxS**



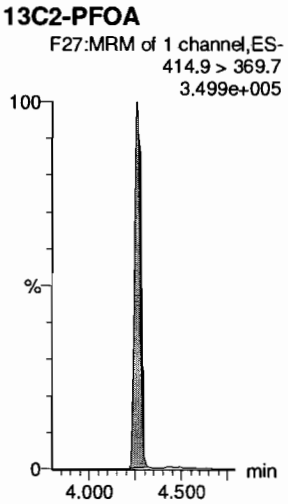

**13C2-6:2 FTS**



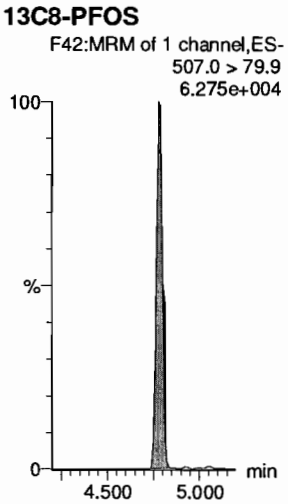

**13C2-PFOA**



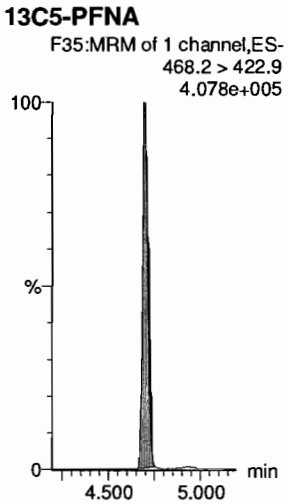

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

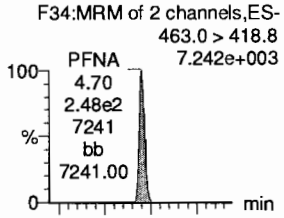


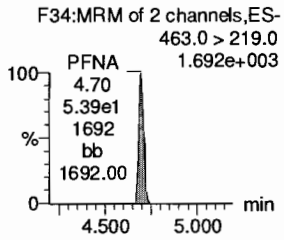
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

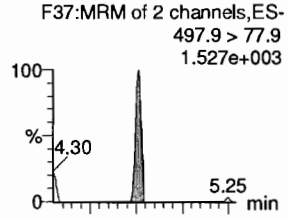
**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

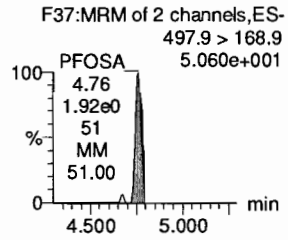
**PFNA**



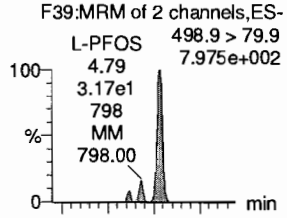



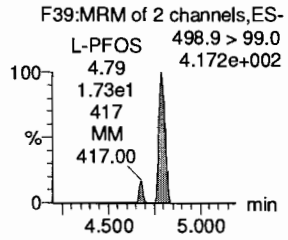

**PFOSA**



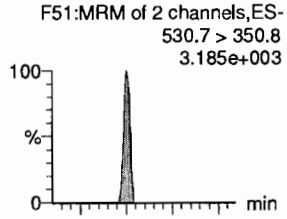



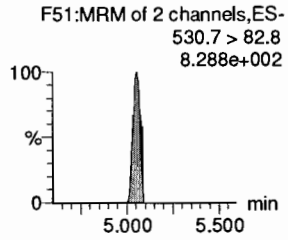

**L-PFOS**




**9Cl-PF30NS**

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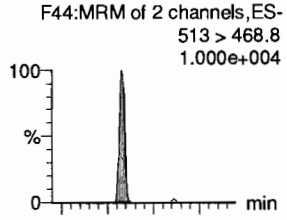
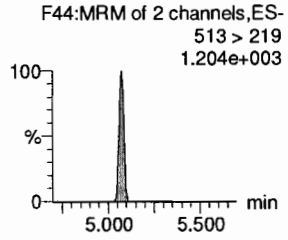
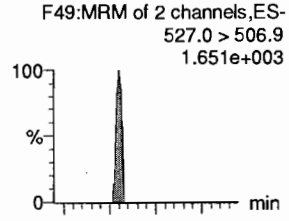
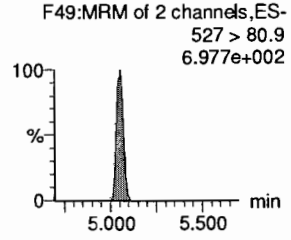


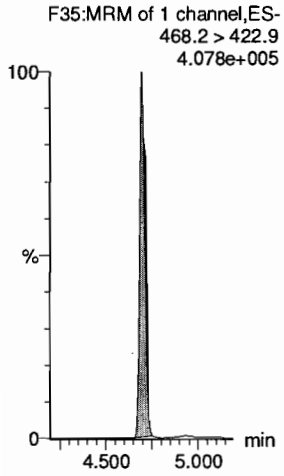




**8:2 FTS**




**13C5-PFNA**

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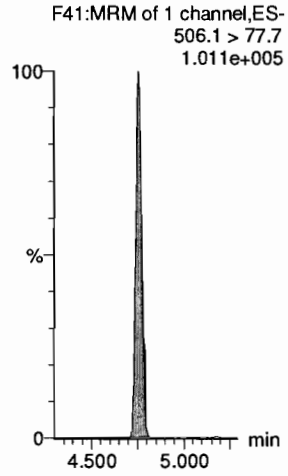


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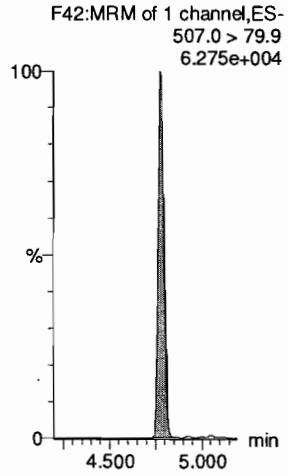


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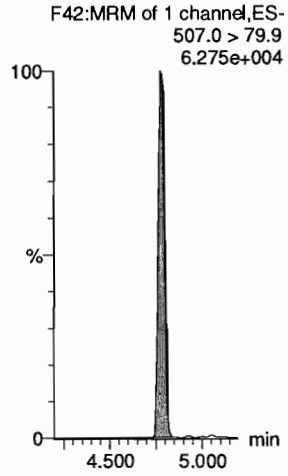


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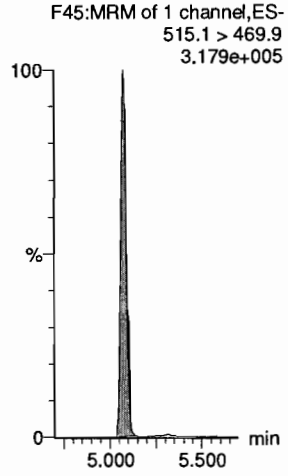
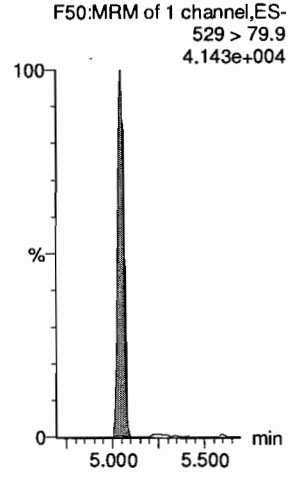



**13C2-8:2 FTS**



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Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

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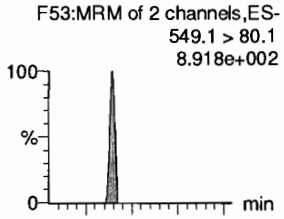
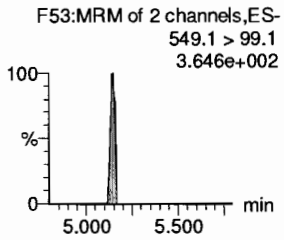
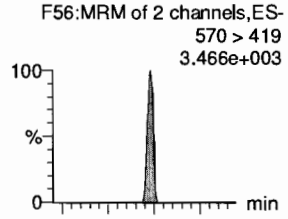
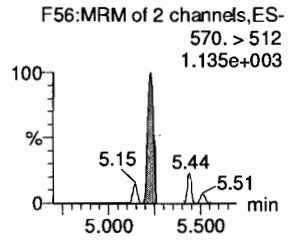



**L-MeFOSAA**

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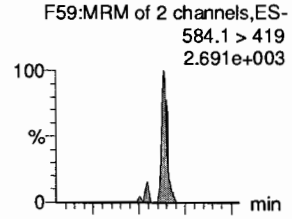


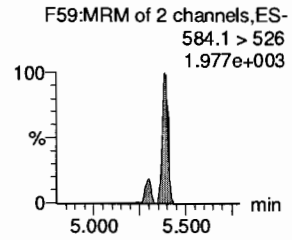


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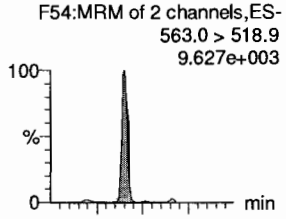


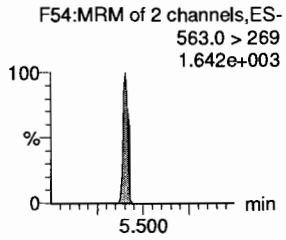


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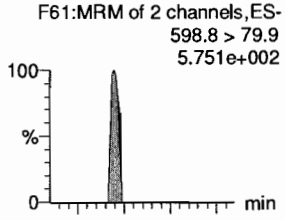


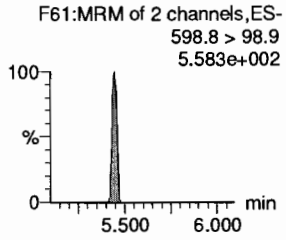


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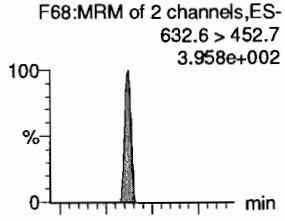


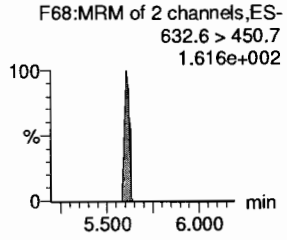


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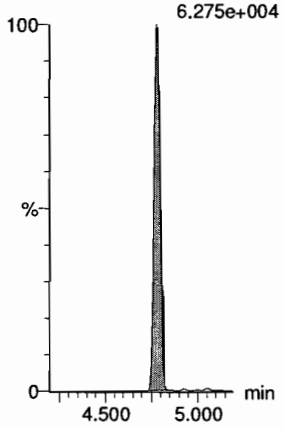
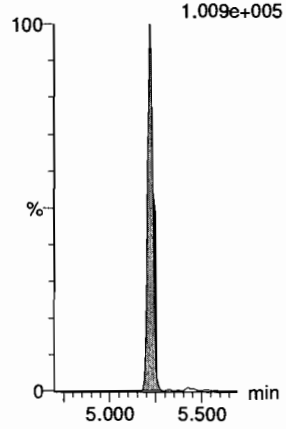



**d3-N-MeFOSAA**

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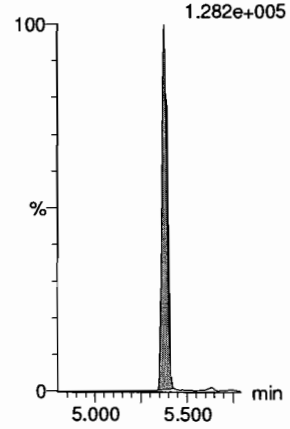


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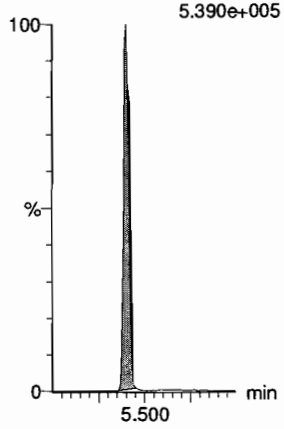
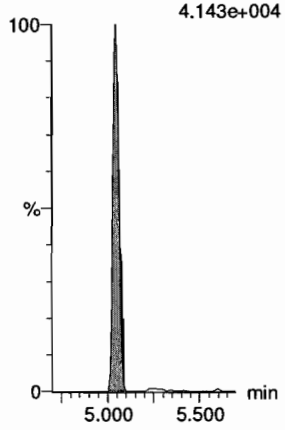



**13C2-8:2 FTS**

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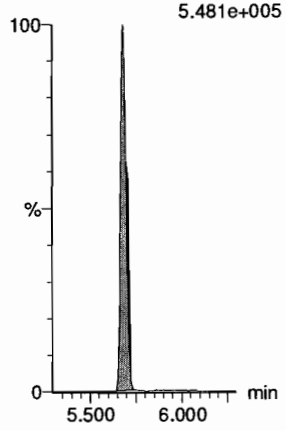

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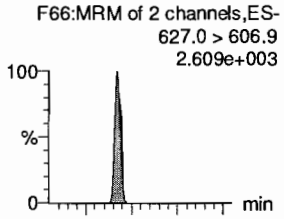
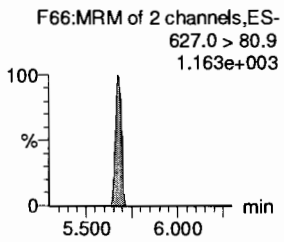
**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

**10:2 FTS**

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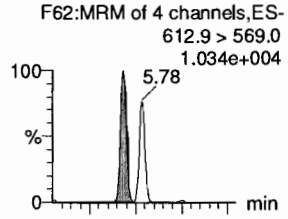
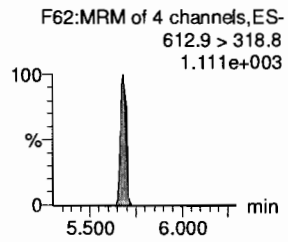
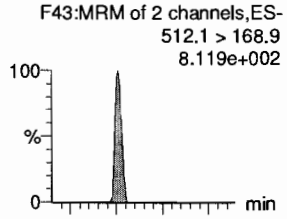
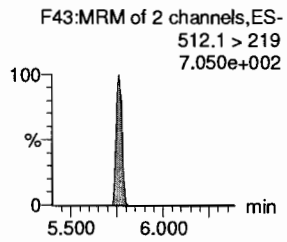



**N-MeFOSA**

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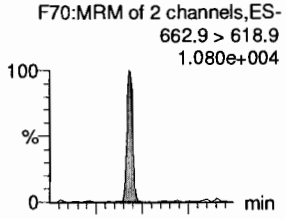


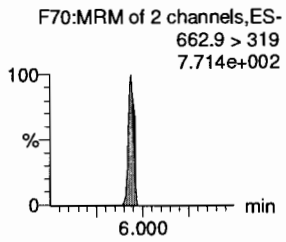


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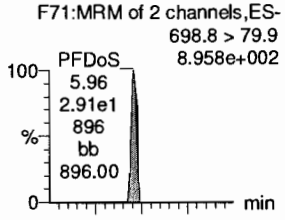


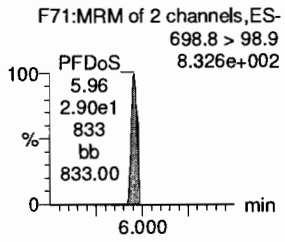


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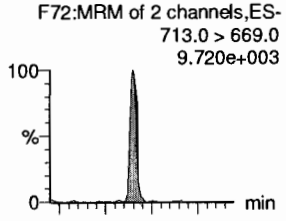
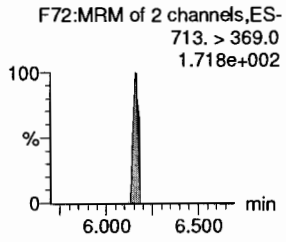
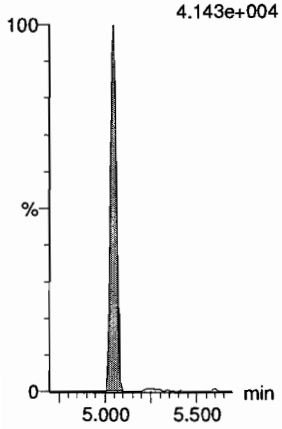
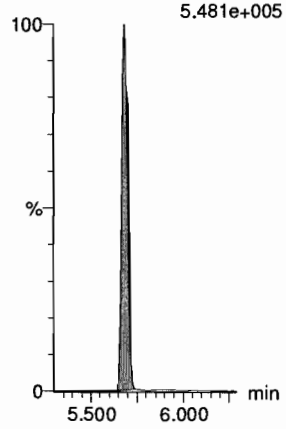


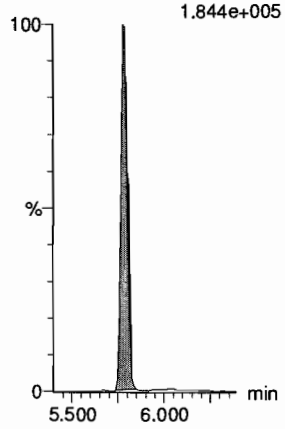

**13C2-8:2 FTS**




**13C2-PFDoA**




**d3-N-MeFOSA**

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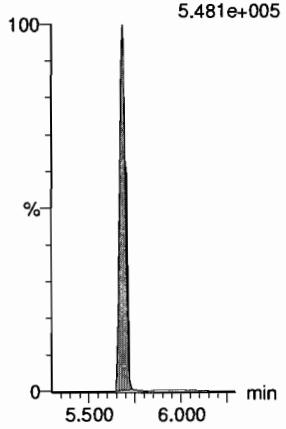


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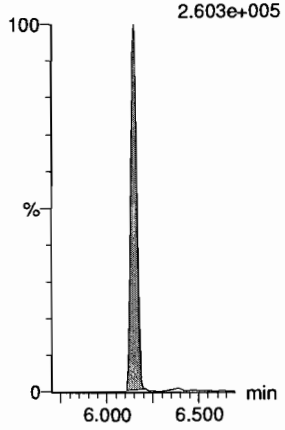
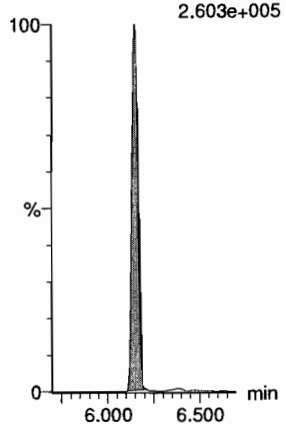



**13C2-PFTeDA**

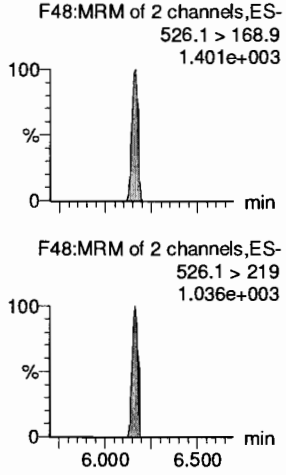


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

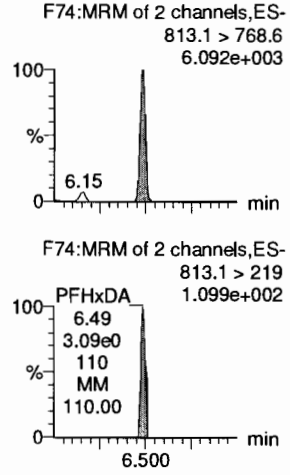
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

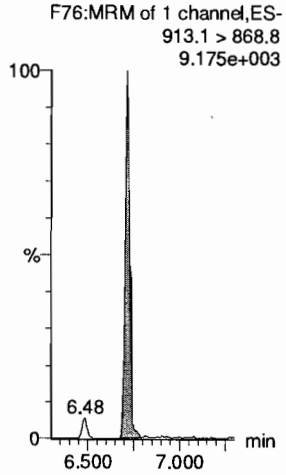
**N-EtFOSA**



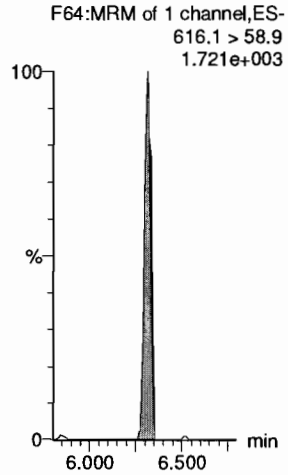

**PFHxDA**




**PFODA**




**N-MeFOSE**

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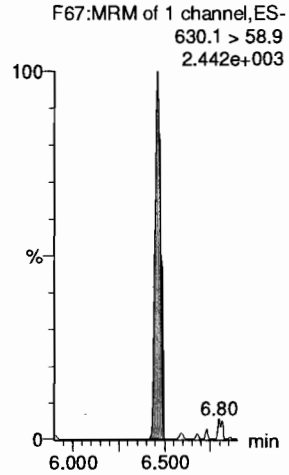
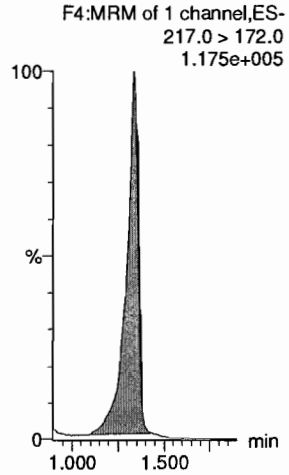
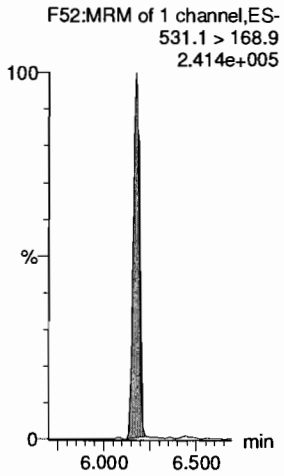


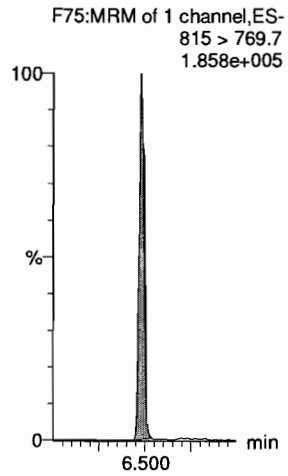

**13C4-PFBA**




**d5-N-ETFOSA**




**13C2-PFHxDA**

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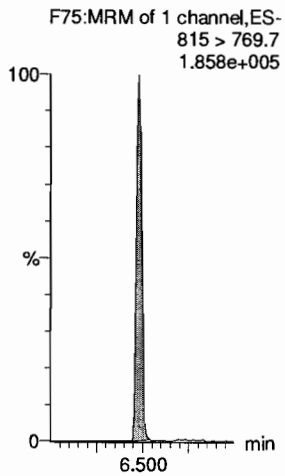
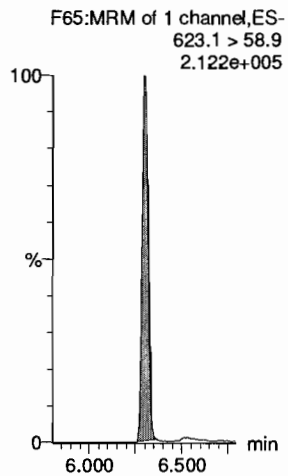



**d7-N-MeFOSE**

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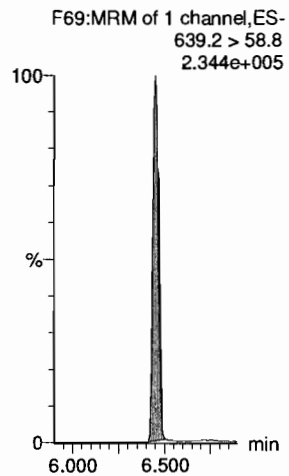
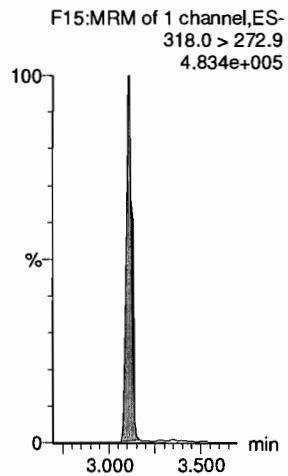



**13C5-PFHxA**

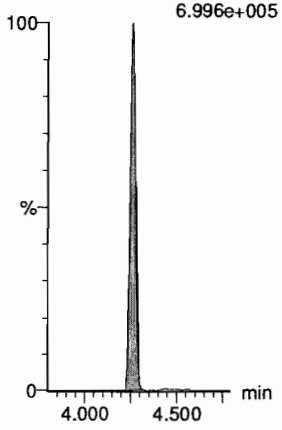


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

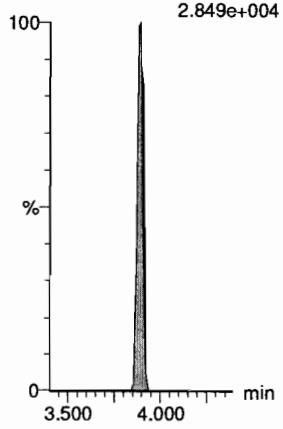
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_3, Date: 02-Aug-2019, Time: 12:47:14, ID: ST190802M2-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2001**

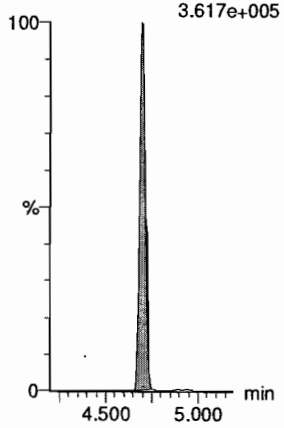
**13C8-PFOA**



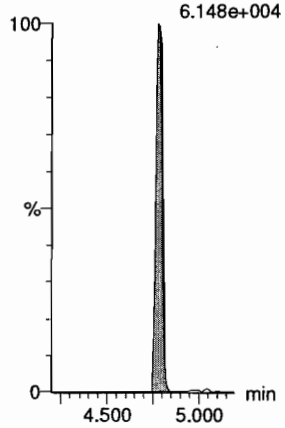

**18O2-PFHxS**



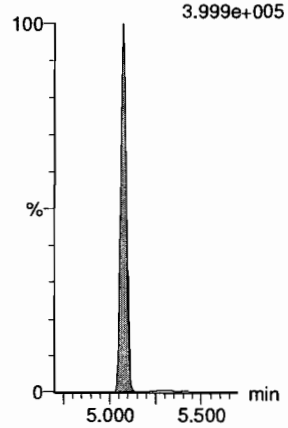

**13C9-PFNA**



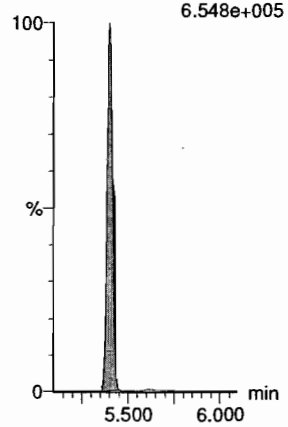

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

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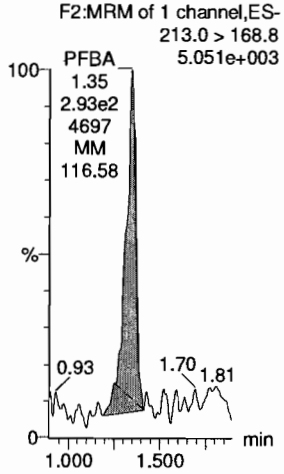
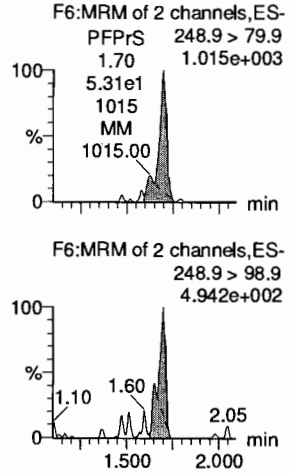
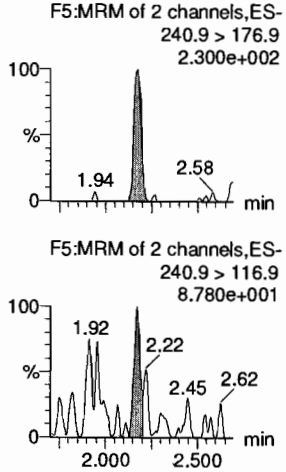


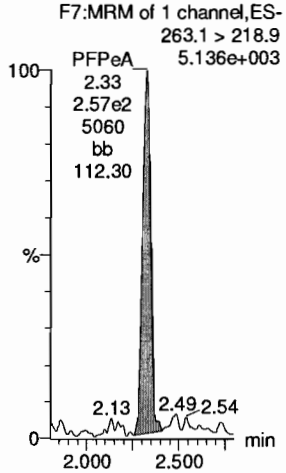

**PFPrS**




**3:3 FTCA**




**PFPeA**

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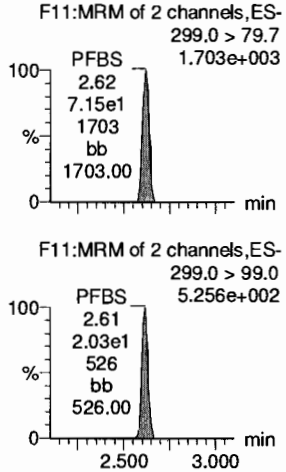
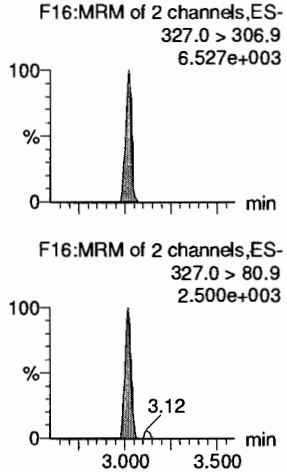
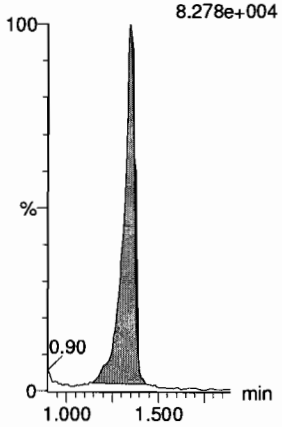


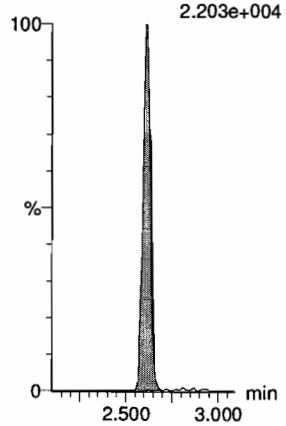

**4:2 FTS**




**13C3-PFBA**




**13C3-PFBS**

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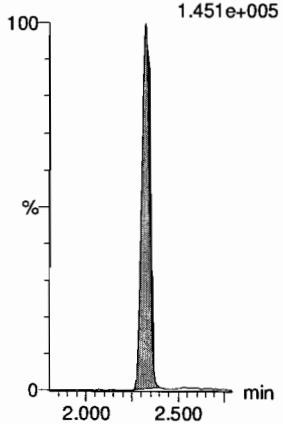


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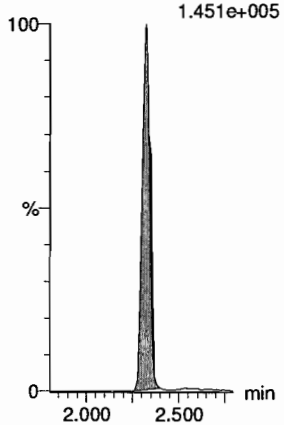
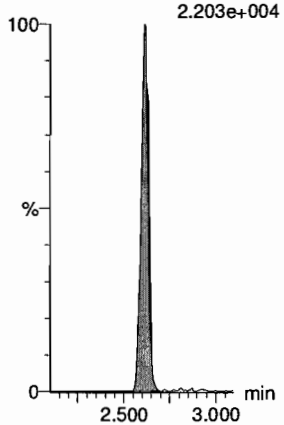
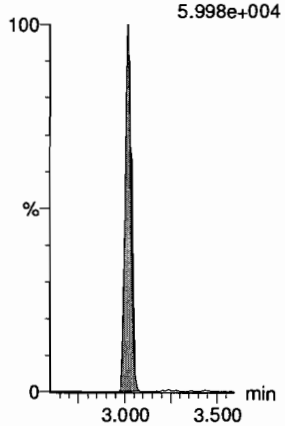



**13C3-PFBS**




**13C2-4:2 FTS**

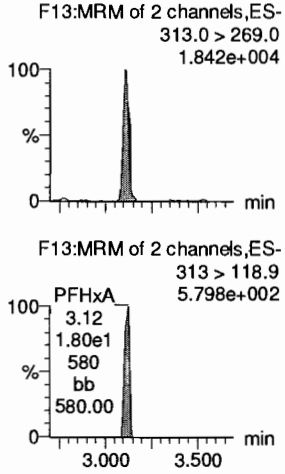


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

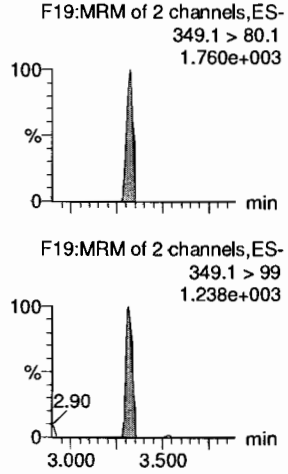
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

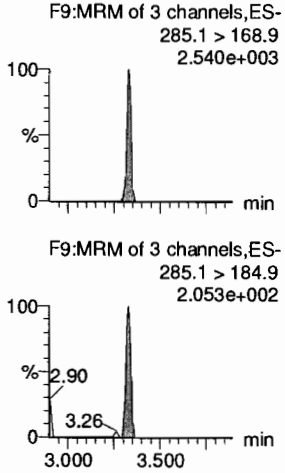
**PFHxA**



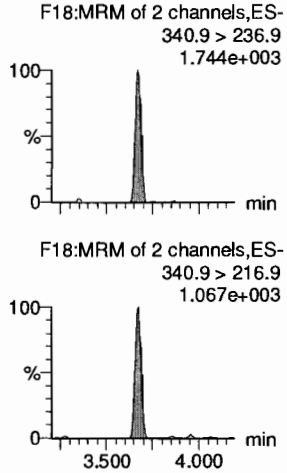

**PFPeS**



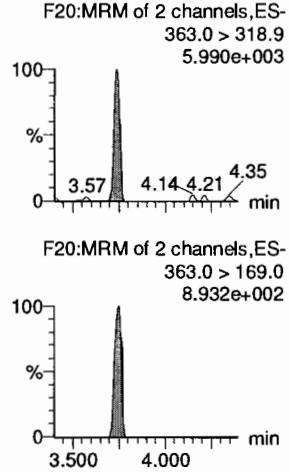

**HFPO-DA**



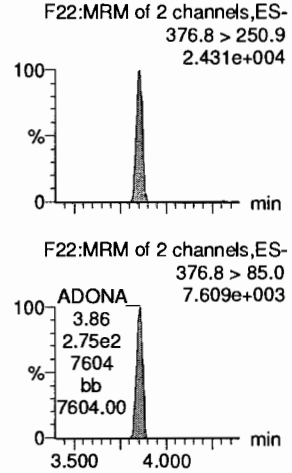

**5:3 FTCA**



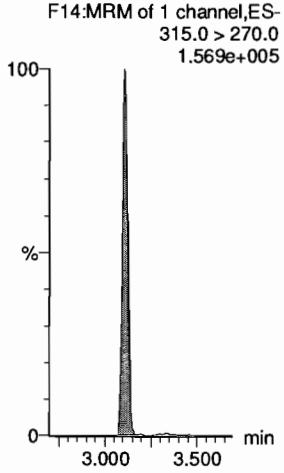

**PFHpA**



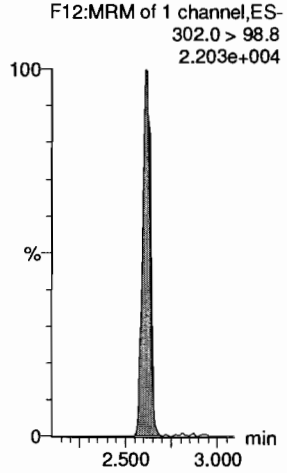

**ADONA**




**13C2-PFHxA**




**13C3-PFBS**

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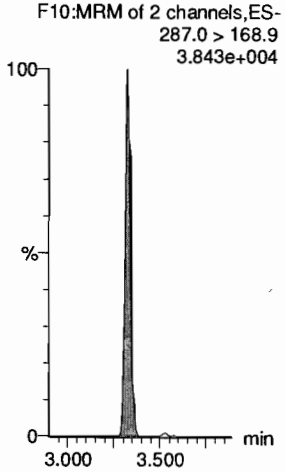
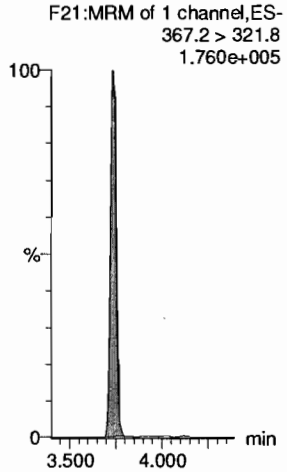



**13C4-PFHpA**

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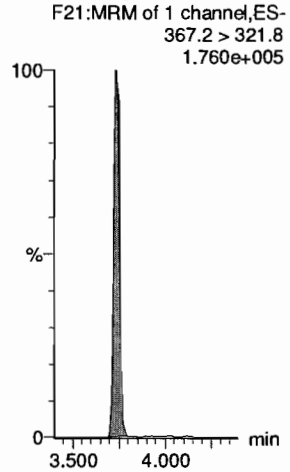


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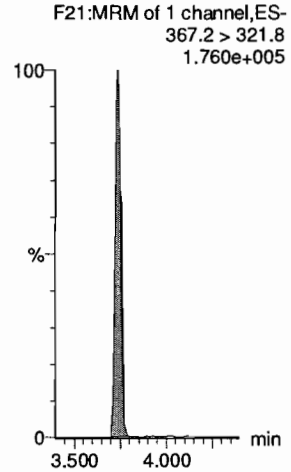
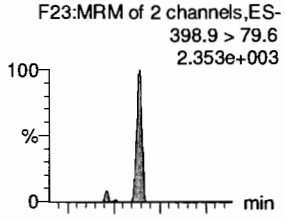


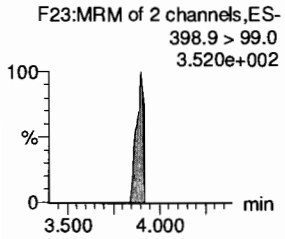
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

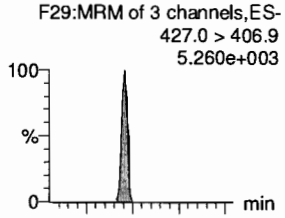
**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

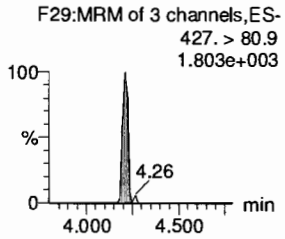
**L-PFHxS**



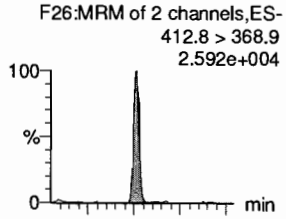



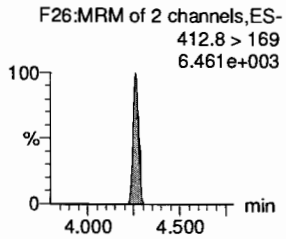

**6:2 FTS**



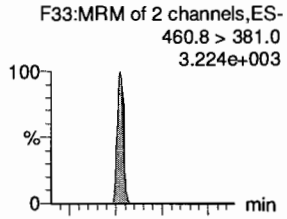



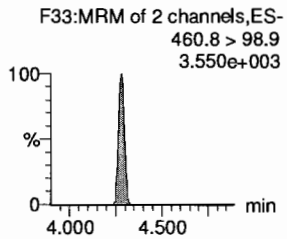

**L-PFOA**



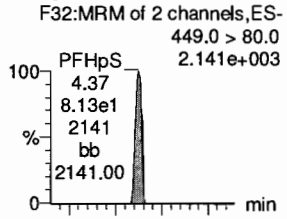



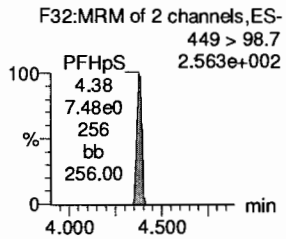

**PFEChS**



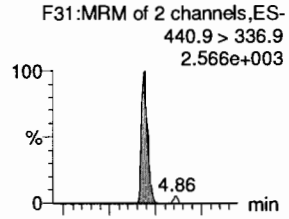



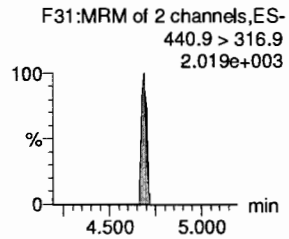

**PFHpS**



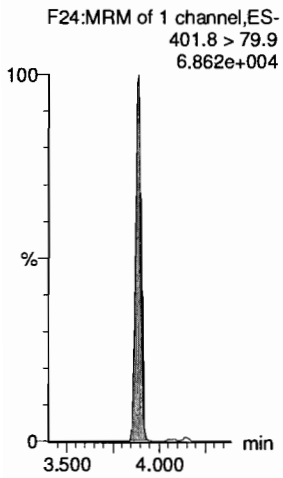




**7:3 FTCA**

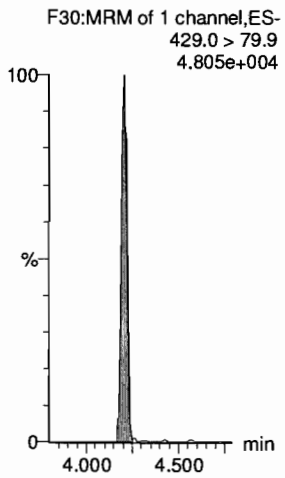


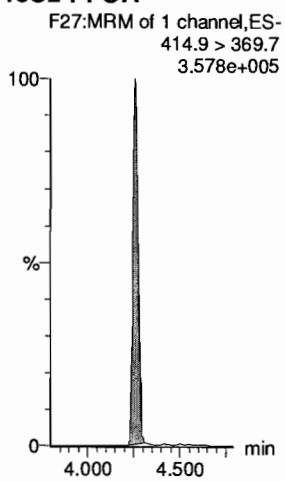

**13C3-PFHxS**



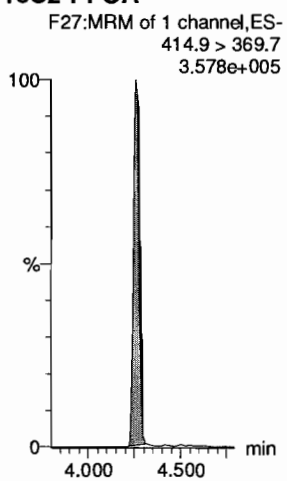

**13C2-6:2 FTS**



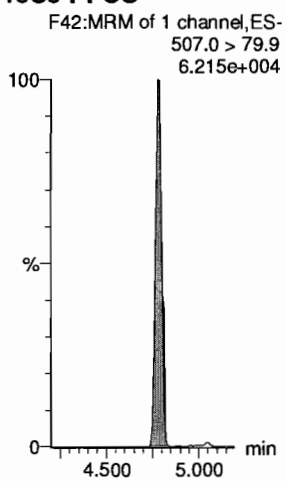

**13C2-PFOA**



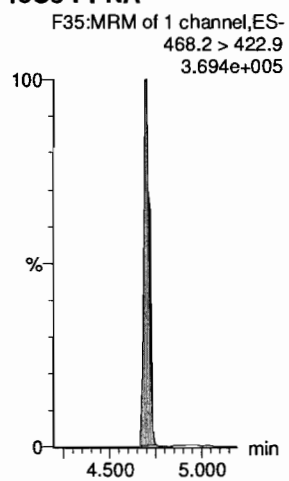

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

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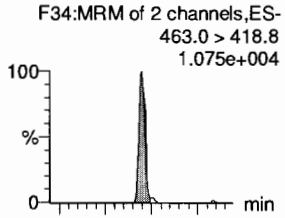
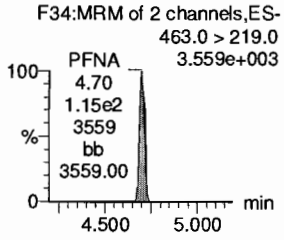
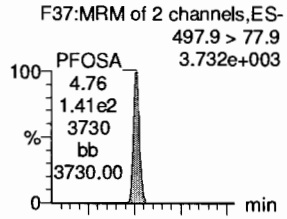
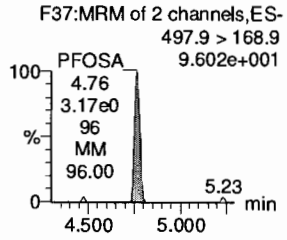


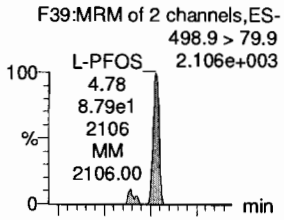



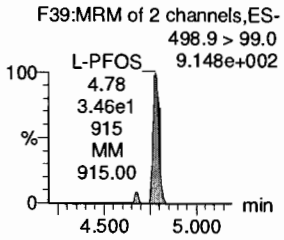

**PFOSA**



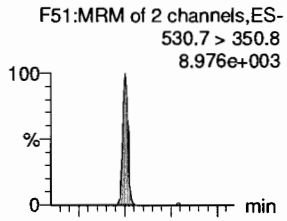



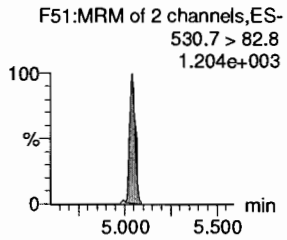

**L-PFOS**



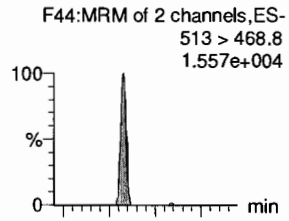



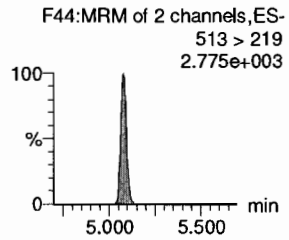

**9Cl-PF30NS**



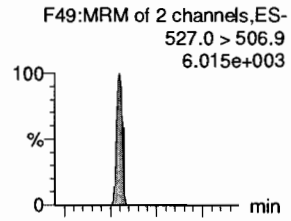



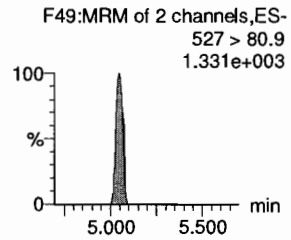

**PFDA**



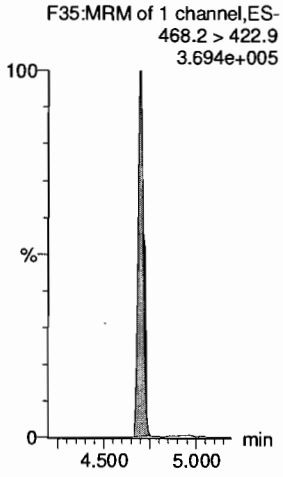




**8:2 FTS**

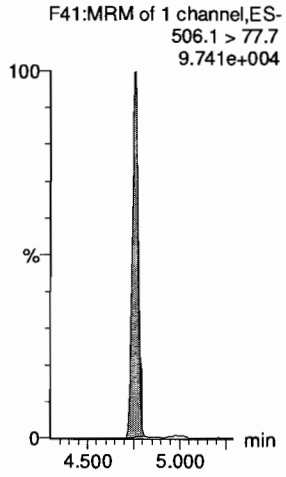


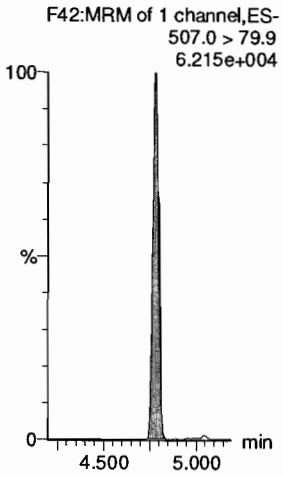

**13C5-PFNA**



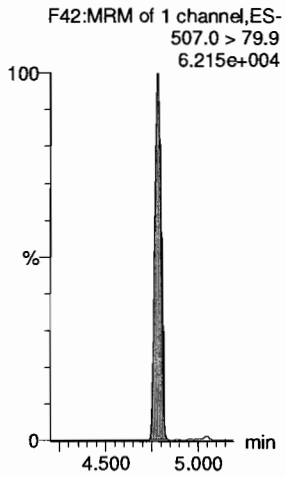

**13C8-PFOSA**



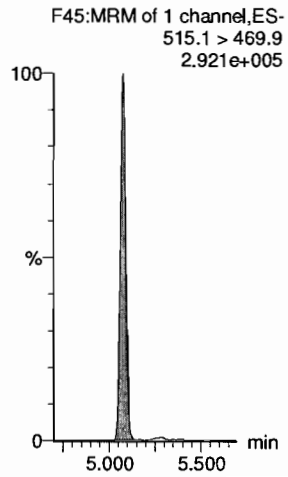

**13C8-PFOS**



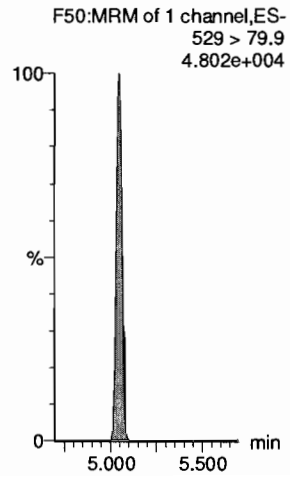

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

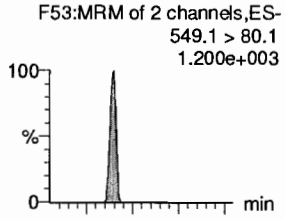


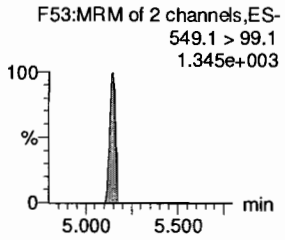
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

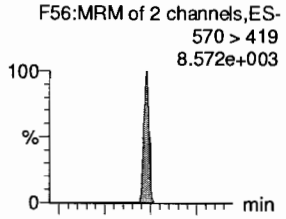
**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

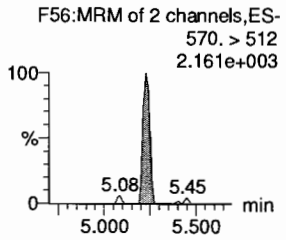
**PFNS**



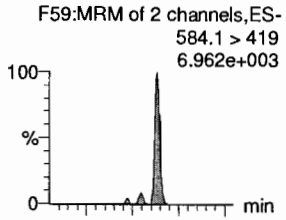



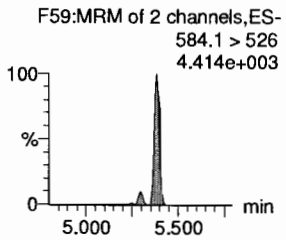

**L-MeFOSAA**



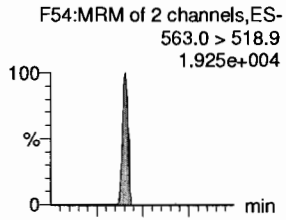



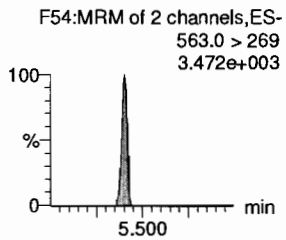

**L-EtFOSAA**



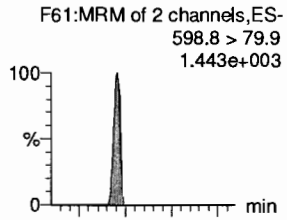



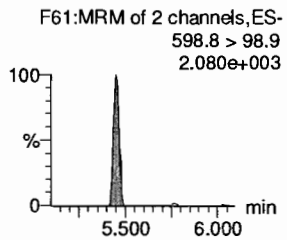

**PFUdA**



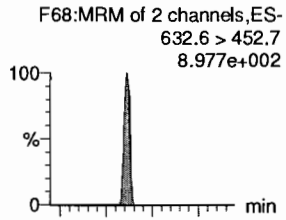



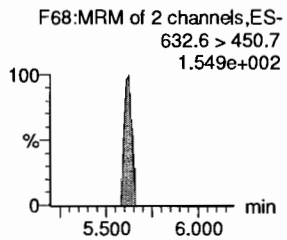

**PFDS**



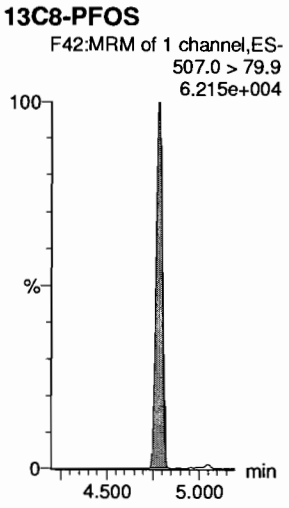




**11Cl-PF30UdS**

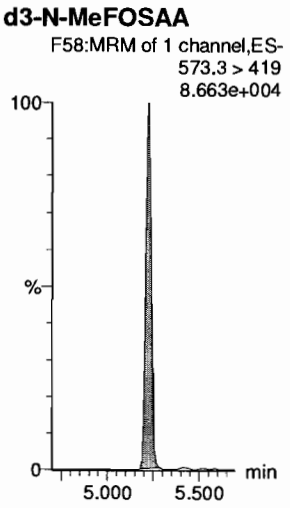


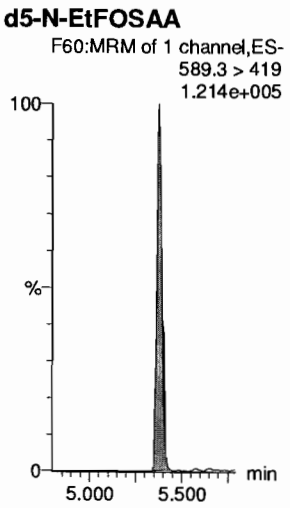

**13C8-PFOS**



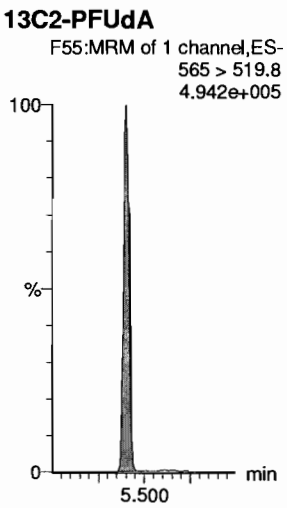

**d3-N-MeFOSAA**



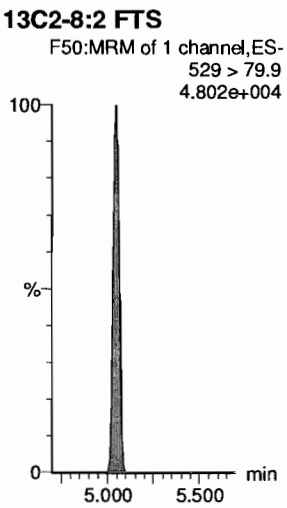

**d5-N-EtFOSAA**



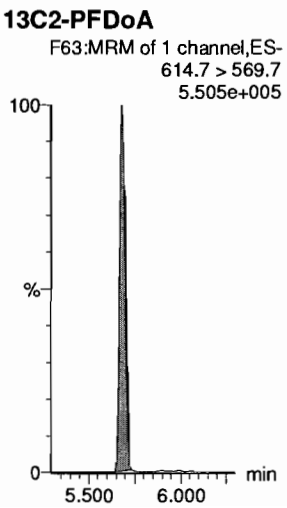

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

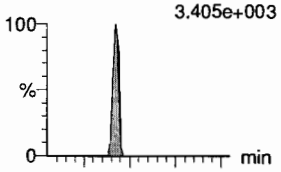


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

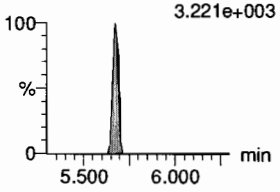
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

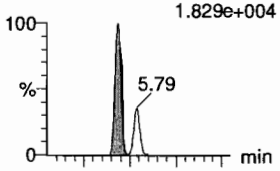
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
3.405e+003



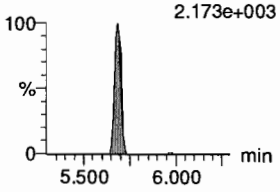
F66:MRM of 2 channels,ES-
627.0 > 80.9
3.221e+003



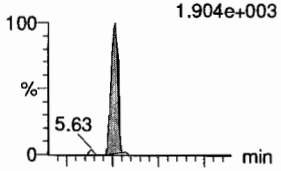

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
1.829e+004



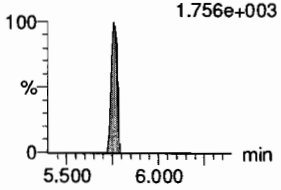

F62:MRM of 4 channels,ES-
612.9 > 318.8
2.173e+003



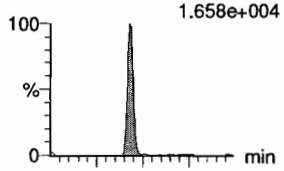

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
1.904e+003



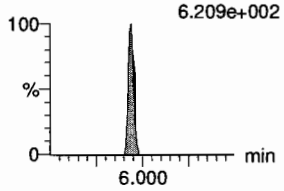

F43:MRM of 2 channels,ES-
512.1 > 219
1.756e+003



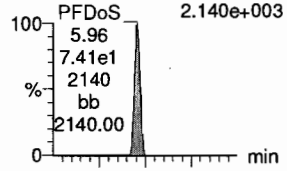

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
1.658e+004



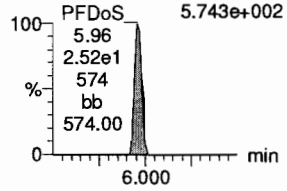
F70:MRM of 2 channels,ES-
662.9 > 319
6.209e+002



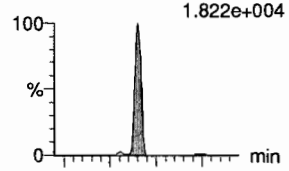

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
2.140e+003



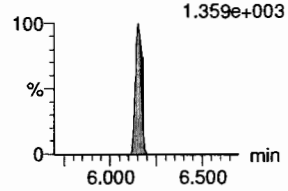

F71:MRM of 2 channels,ES-
698.8 > 98.9
5.743e+002



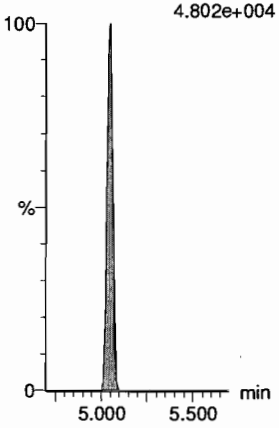

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
1.822e+004



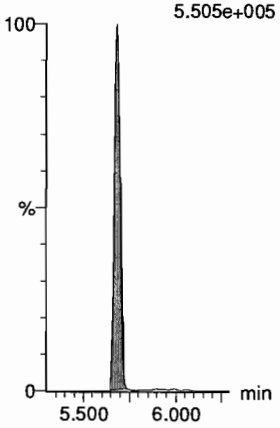
F72:MRM of 2 channels,ES-
713. > 369.0
1.359e+003



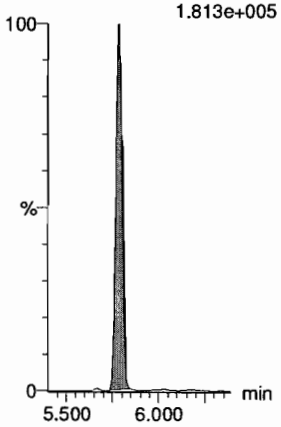

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.802e+004



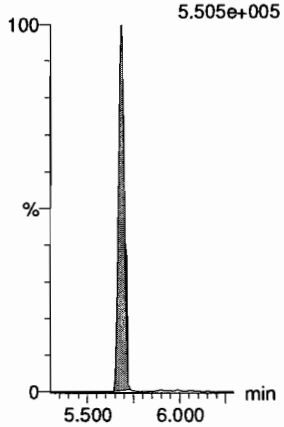

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.505e+005



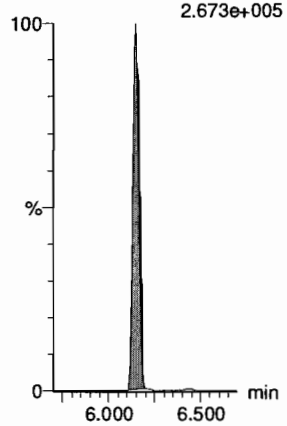

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.813e+005



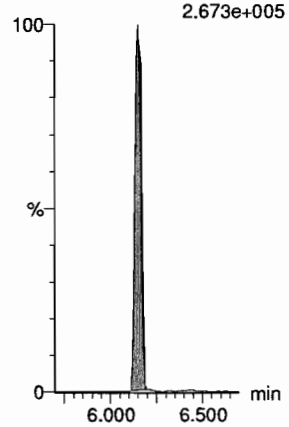

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.505e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.673e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.673e+005

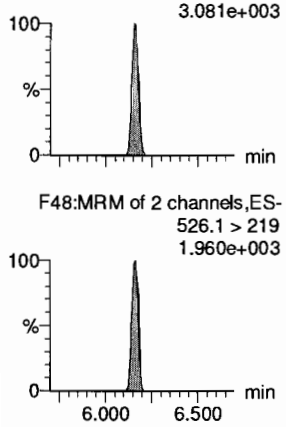


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

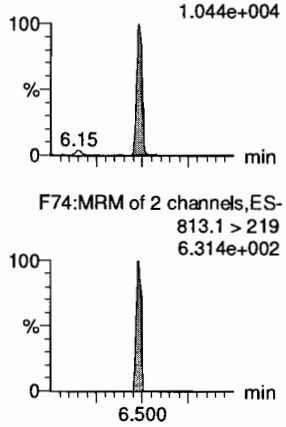
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

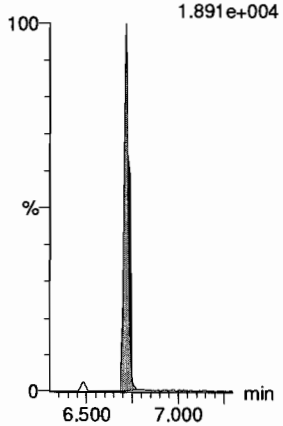
**N-EtFOSA**



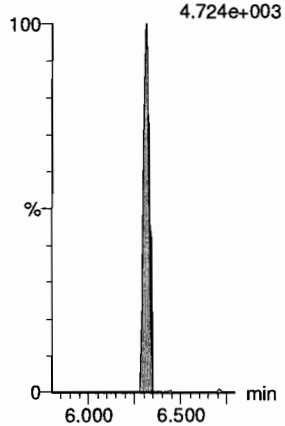

**PFHxDA**



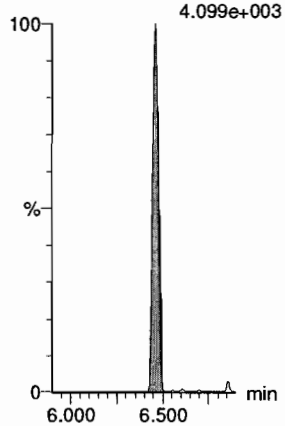

**PFODA**



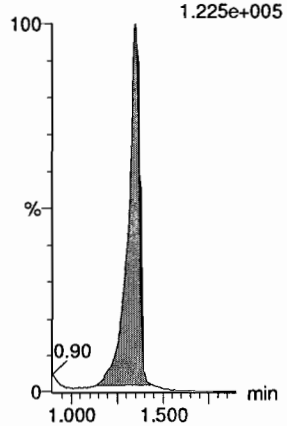

**N-MeFOSE**



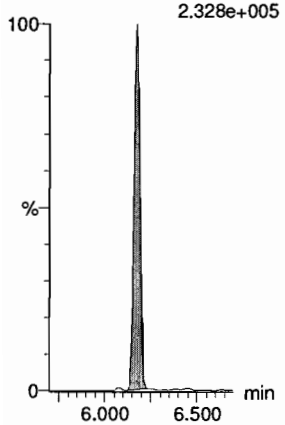

**N-EtFOSE**



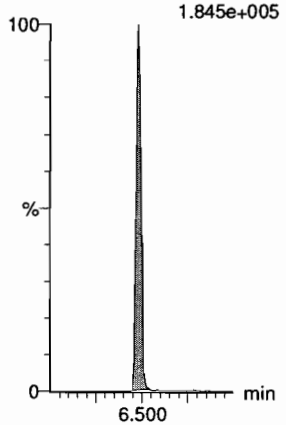

**13C4-PFBA**



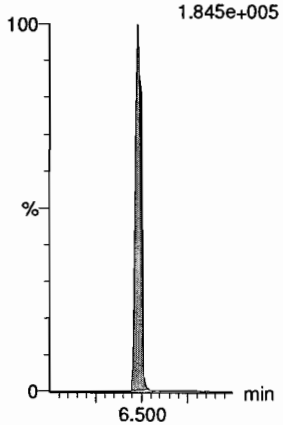

**d5-N-ETFOSA**



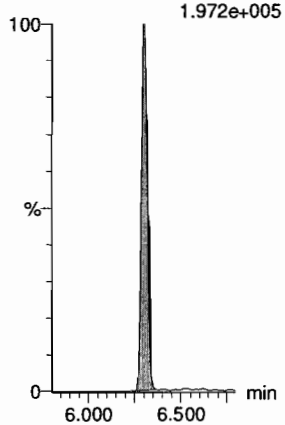

**13C2-PFHxDA**



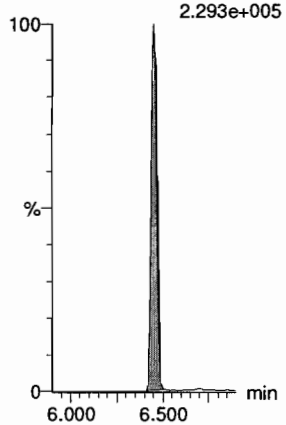

**13C2-PFHxDA**



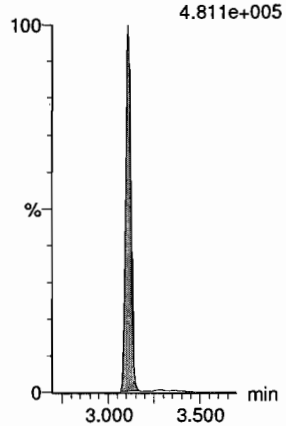

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

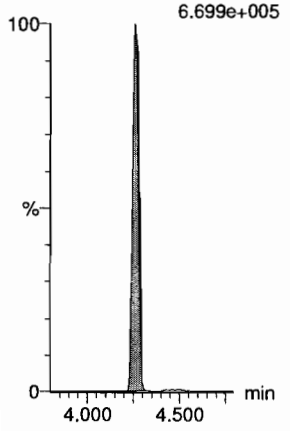


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

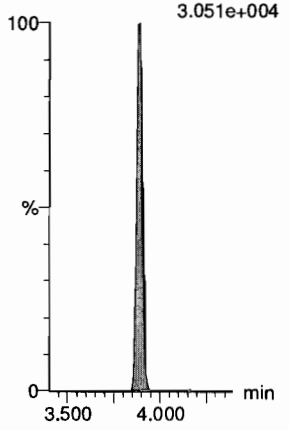
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_4, Date: 02-Aug-2019, Time: 12:57:48, ID: ST190802M2-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2002**

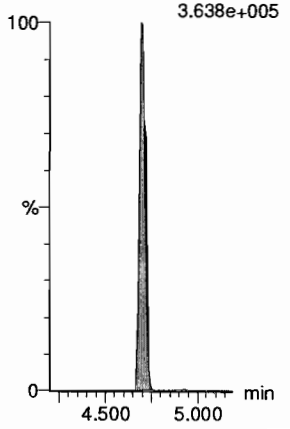
**13C8-PFOA**



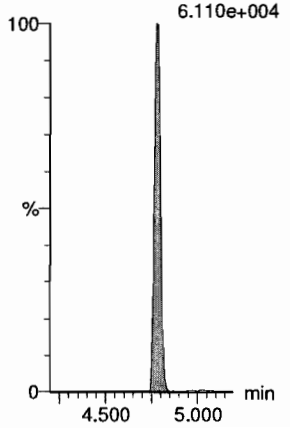

**18O2-PFHxS**



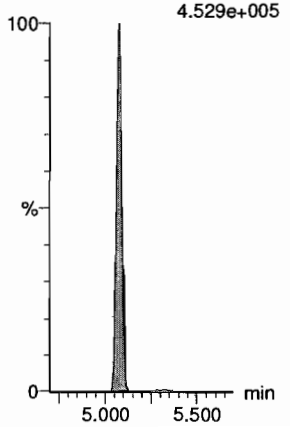

**13C9-PFNA**



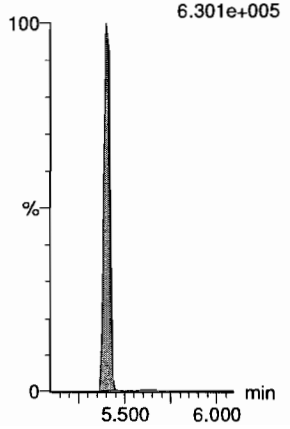

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

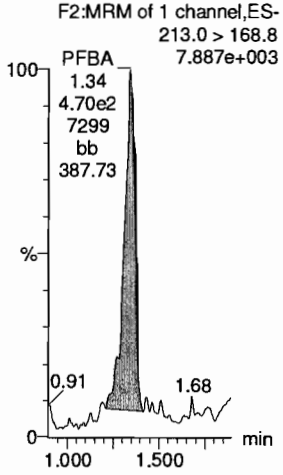


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

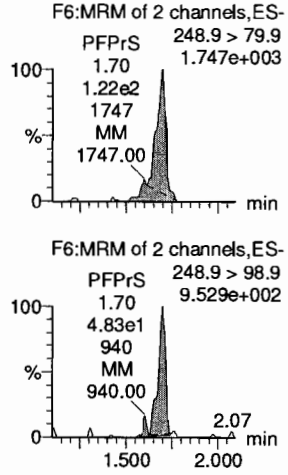
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

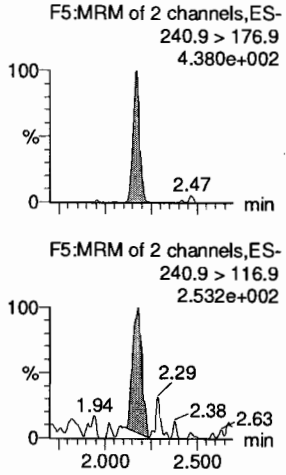
**PFBA**



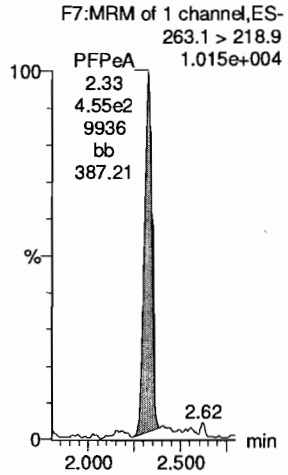

**PFPrS**



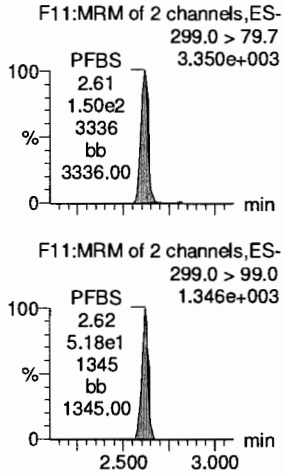

**3:3 FTCA**



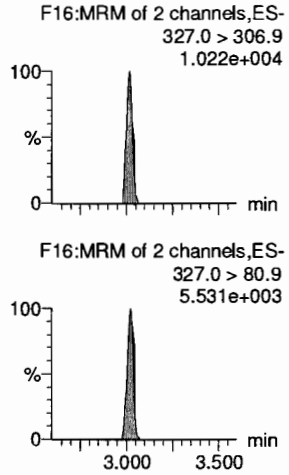

**PFPeA**



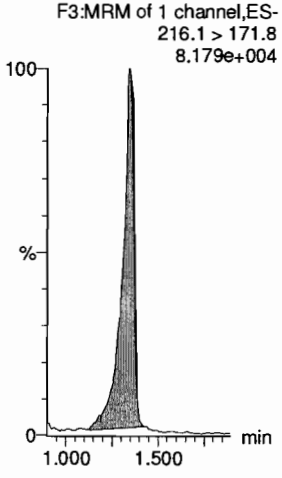

**PFBS**



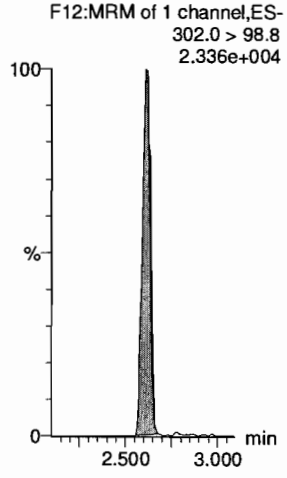

**4:2 FTS**



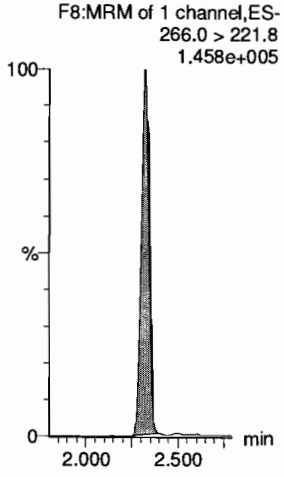

**13C3-PFBA**



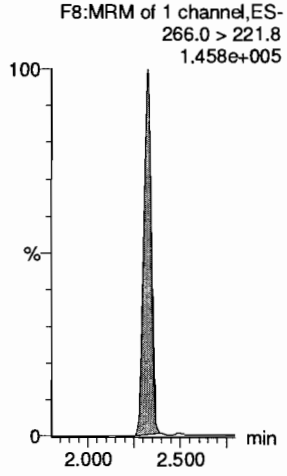

**13C3-PFBS**



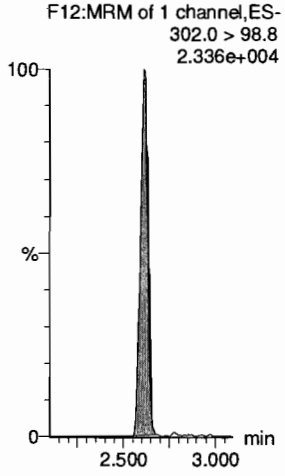

**13C3-PFPeA**



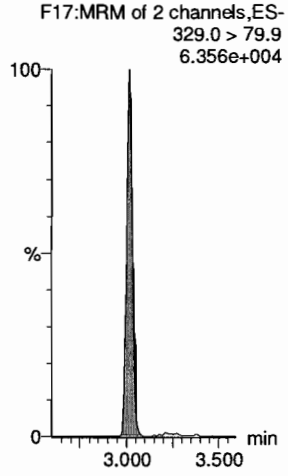

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

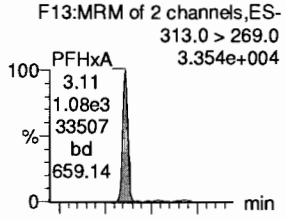


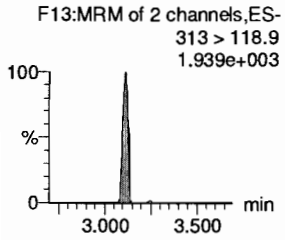
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

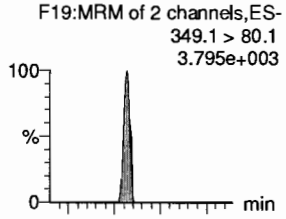
**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

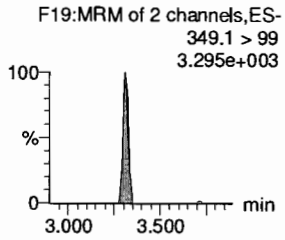
**PFHxA**



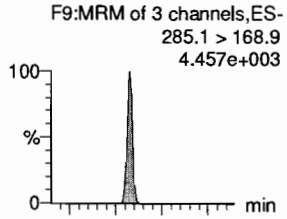



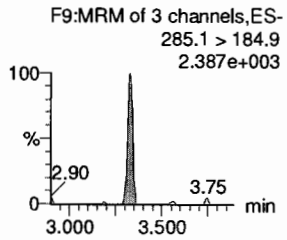

**PFPeS**




**HFPO-DA**

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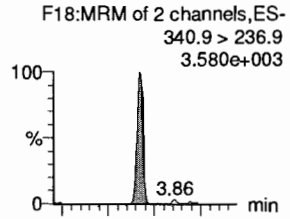
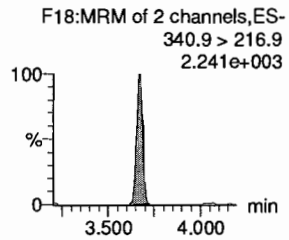
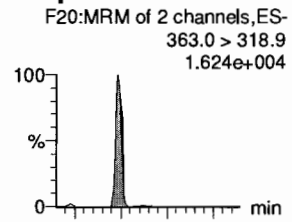
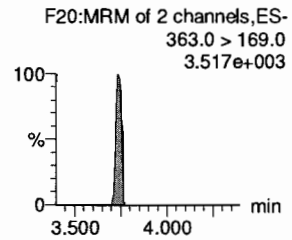


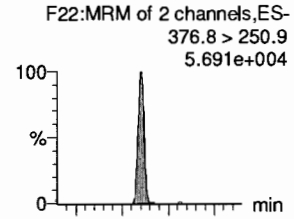



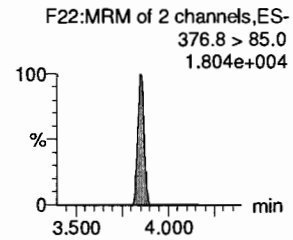

**PFHpA**



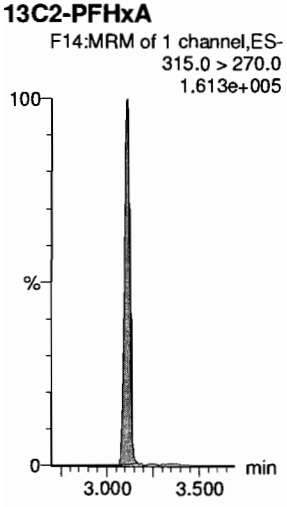




**ADONA**




**13C2-PFHxA**

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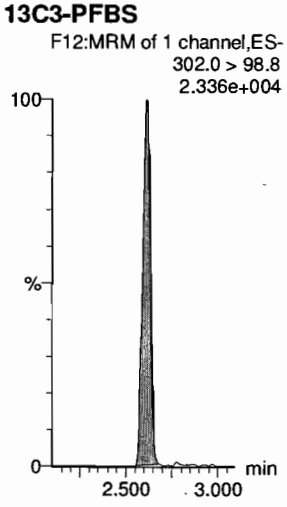


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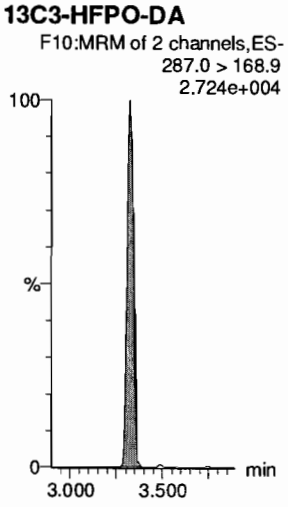


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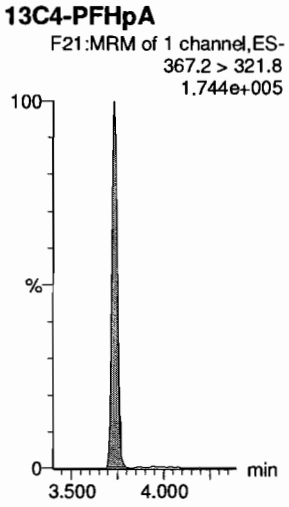


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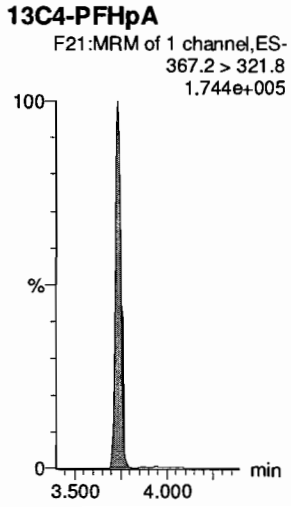


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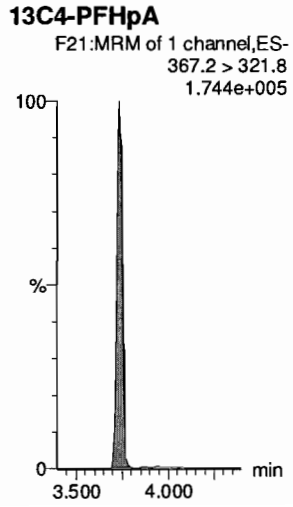
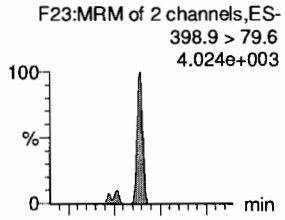


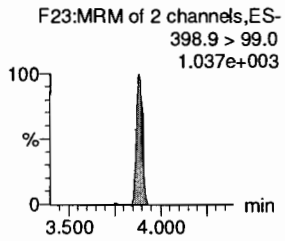
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

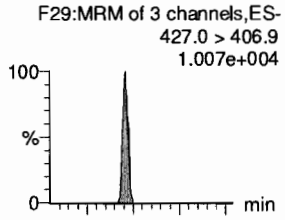
**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

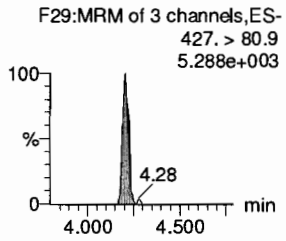
**L-PFHxS**



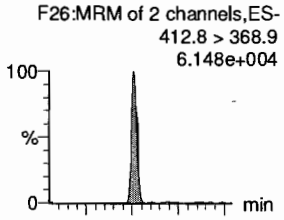



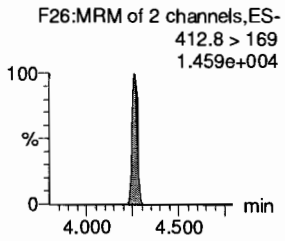

**6:2 FTS**



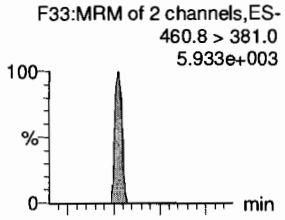



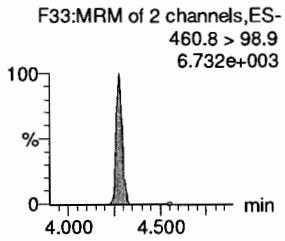

**L-PFOA**



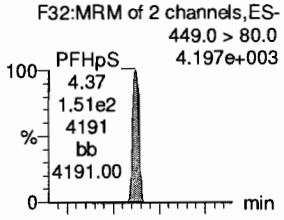



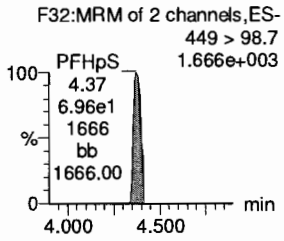

**PFECHS**



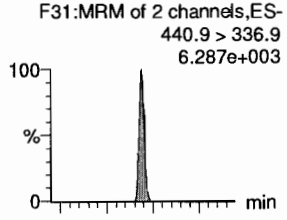



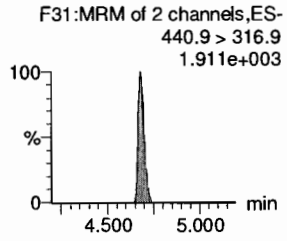

**PFHpS**



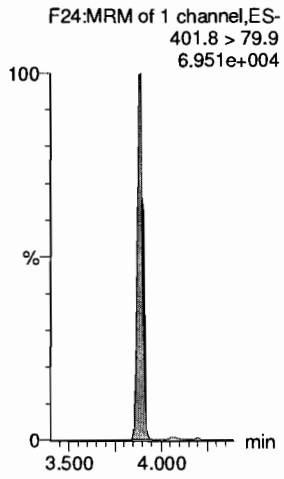




**7:3 FTCA**

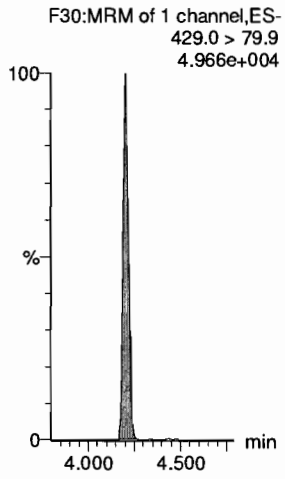


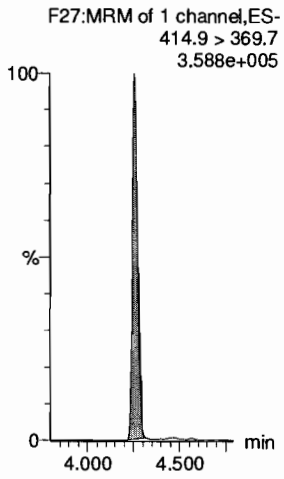

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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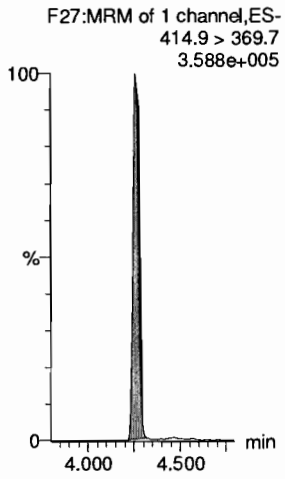
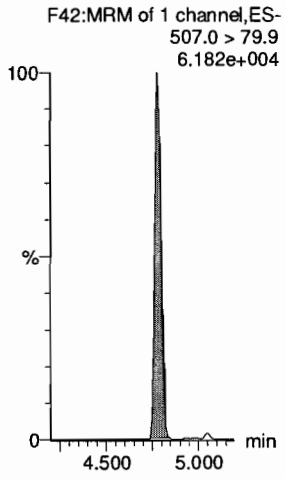
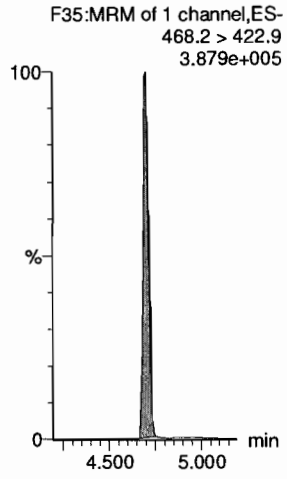



**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

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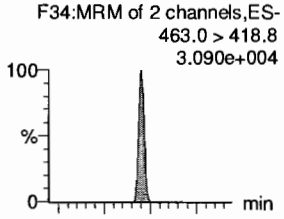


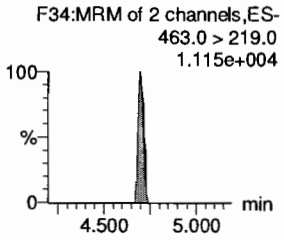


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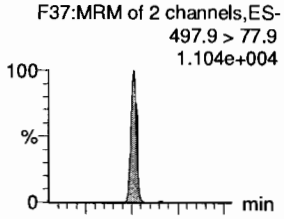
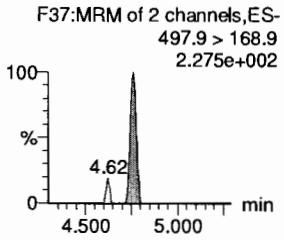
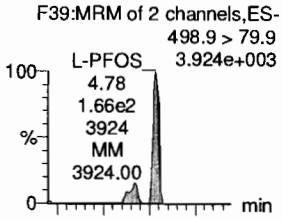
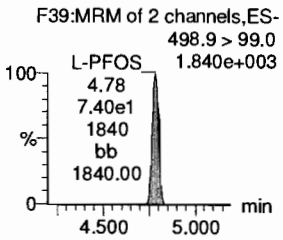



**L-PFOS**

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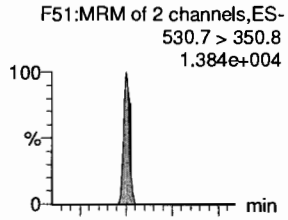


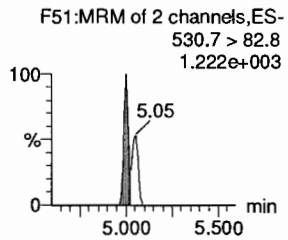


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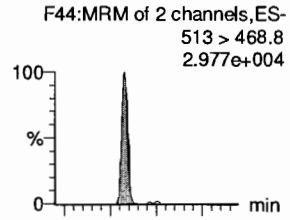
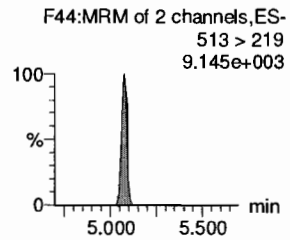
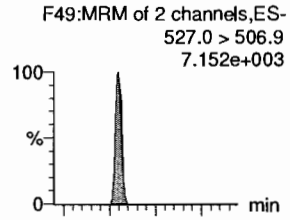
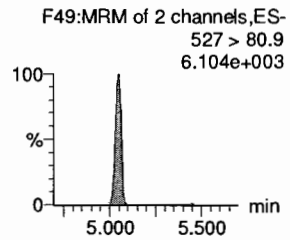


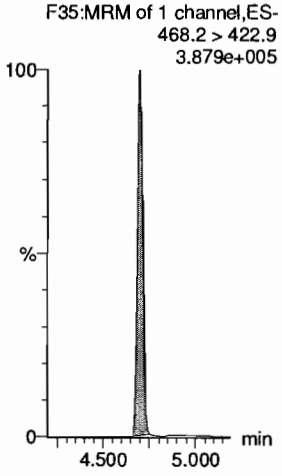




**8:2 FTS**

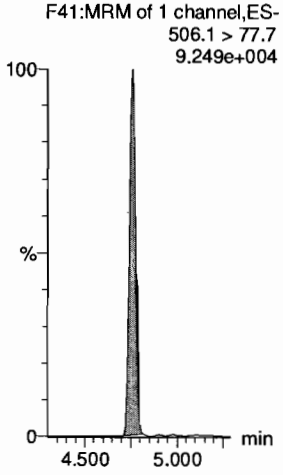



**13C5-PFNA**




**13C8-PFOSA**

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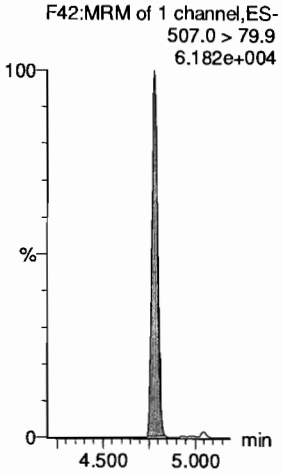


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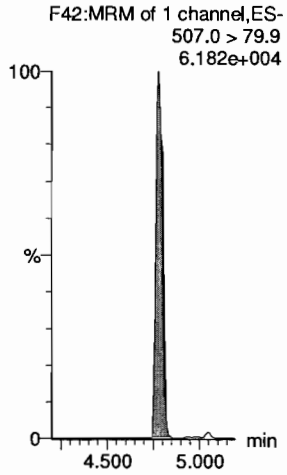


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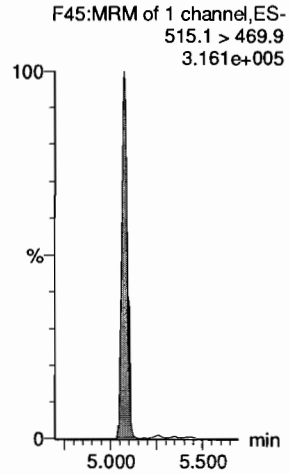
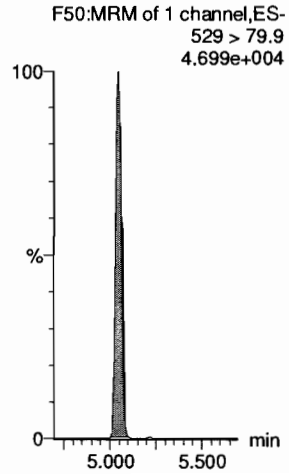



**13C2-8:2 FTS**

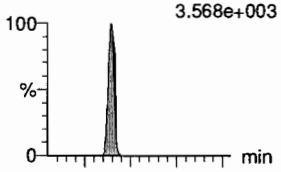


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

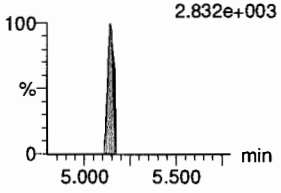
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

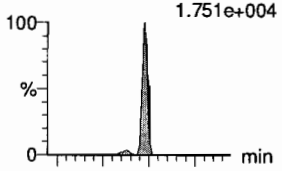
**PFNS**
F53:MRM of 2 channels,ES-
549.1 > 80.1
3.568e+003



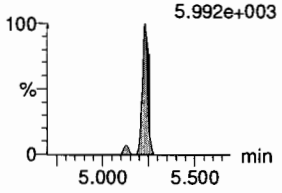
F53:MRM of 2 channels,ES-
549.1 > 99.1
2.832e+003



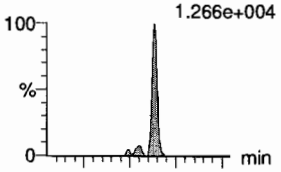
**L-MeFOSAA**
F56:MRM of 2 channels,ES-
570 > 419
1.751e+004



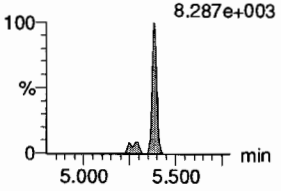
F56:MRM of 2 channels,ES-
570. > 512
5.992e+003



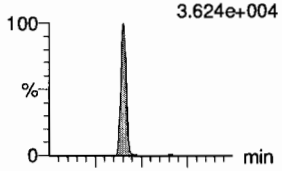
**L-EtFOSAA**
F59:MRM of 2 channels,ES-
584.1 > 419
1.266e+004



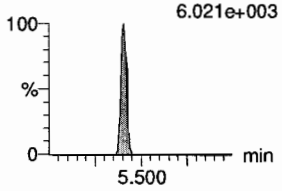
F59:MRM of 2 channels,ES-
584.1 > 526
8.287e+003



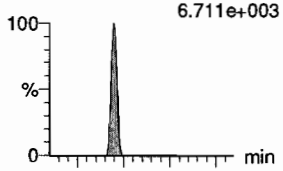
**PFUdA**
F54:MRM of 2 channels,ES-
563.0 > 518.9
3.624e+004



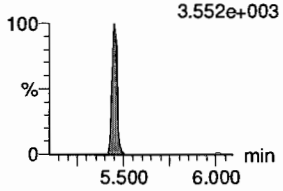
F54:MRM of 2 channels,ES-
563.0 > 269
6.021e+003



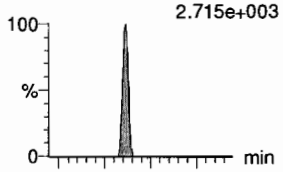
**PFDS**
F61:MRM of 2 channels,ES-
598.8 > 79.9
6.711e+003



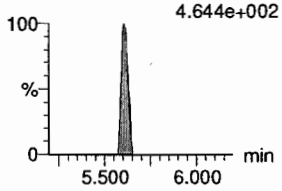
F61:MRM of 2 channels,ES-
598.8 > 98.9
3.552e+003



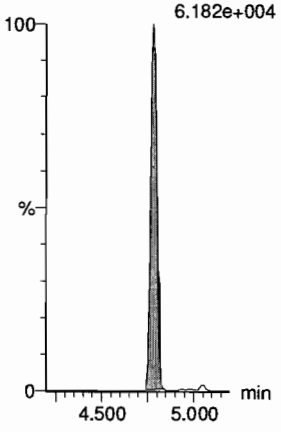
**11Cl-PF30UdS**
F68:MRM of 2 channels,ES-
632.6 > 452.7
2.715e+003



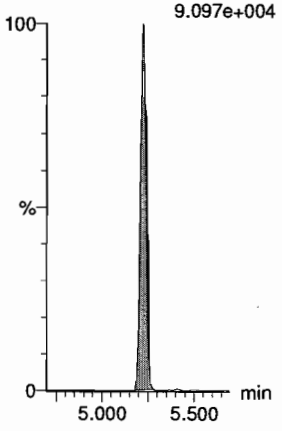
F68:MRM of 2 channels,ES-
632.6 > 450.7
4.644e+002



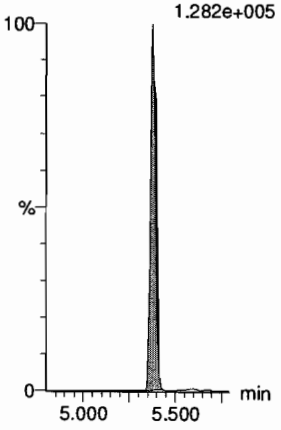
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.182e+004



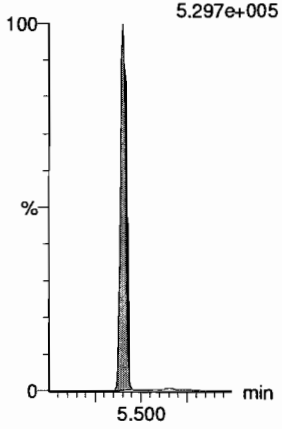
**d3-N-MeFOSAA**
F58:MRM of 1 channel,ES-
573.3 > 419
9.097e+004



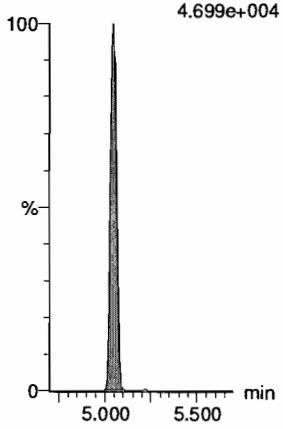
**d5-N-EtFOSAA**
F60:MRM of 1 channel,ES-
589.3 > 419
1.282e+005



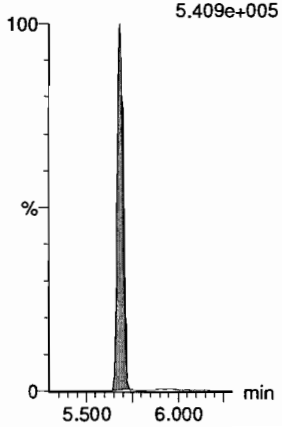
**13C2-PFUdA**
F55:MRM of 1 channel,ES-
565 > 519.8
5.297e+005



**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.699e+004



**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.409e+005

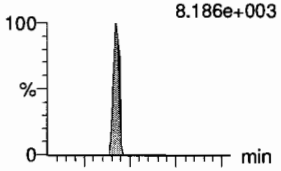


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

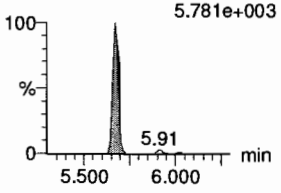
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

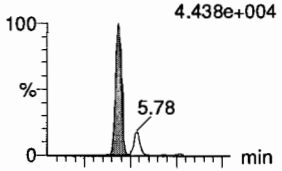
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
8.186e+003



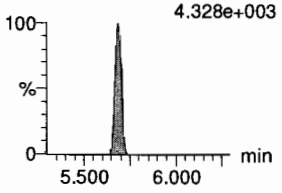
F66:MRM of 2 channels,ES-
627.0 > 80.9
5.781e+003



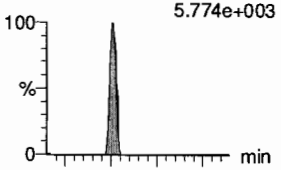

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
4.438e+004



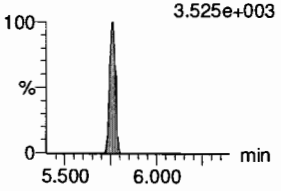

F62:MRM of 4 channels,ES-
612.9 > 318.8
4.328e+003



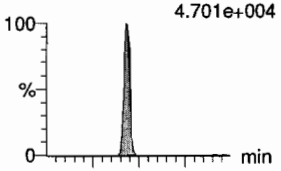

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
5.774e+003



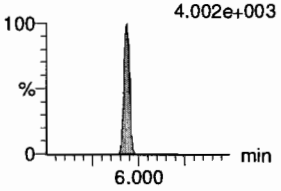
F43:MRM of 2 channels,ES-
512.1 > 219
3.525e+003



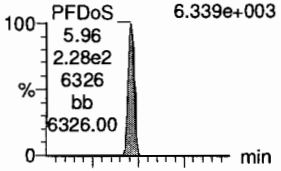

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
4.701e+004



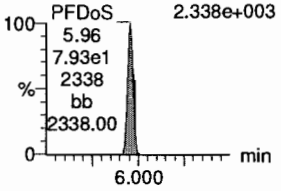
F70:MRM of 2 channels,ES-
662.9 > 319
4.002e+003



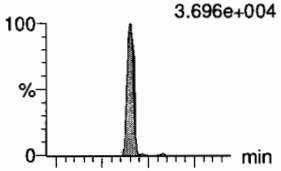

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
6.339e+003



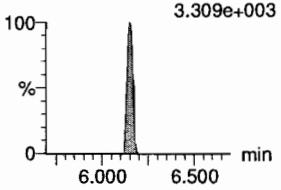

F71:MRM of 2 channels,ES-
698.8 > 98.9
2.338e+003



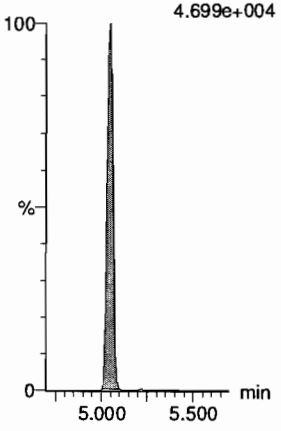

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
3.696e+004



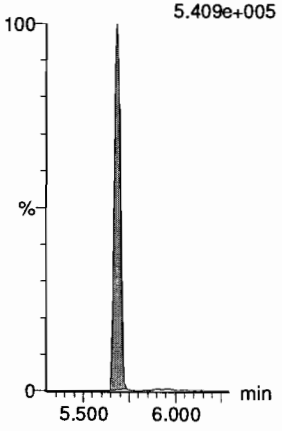
F72:MRM of 2 channels,ES-
713. > 369.0
3.309e+003



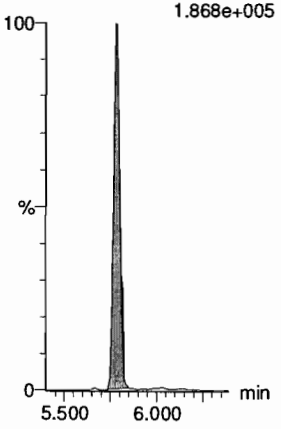

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.699e+004



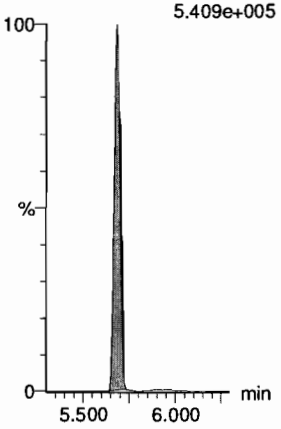

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.409e+005



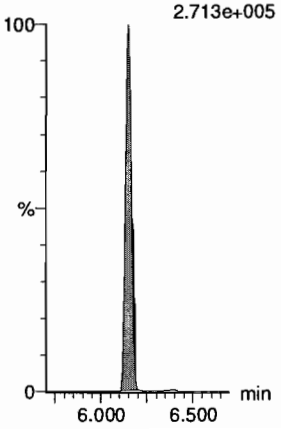

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.868e+005



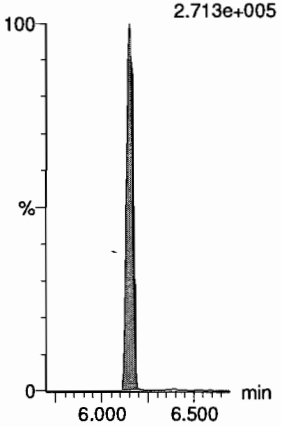

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.409e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.713e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.713e+005

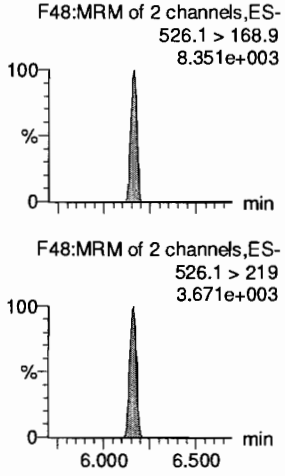


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

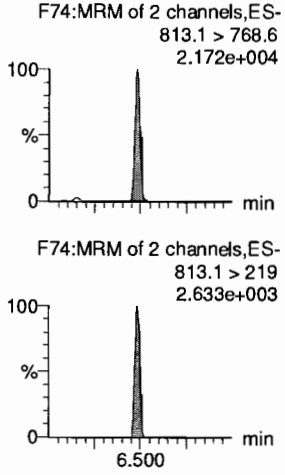
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

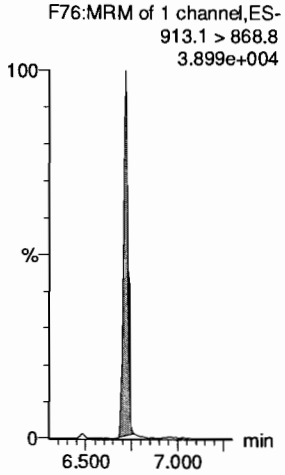
**N-EtFOSA**



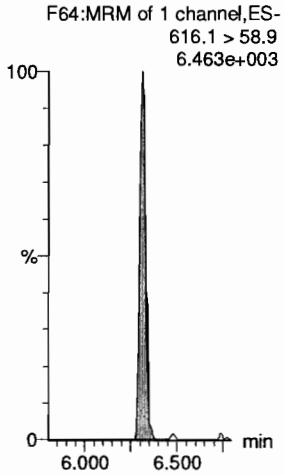

**PFHxDA**



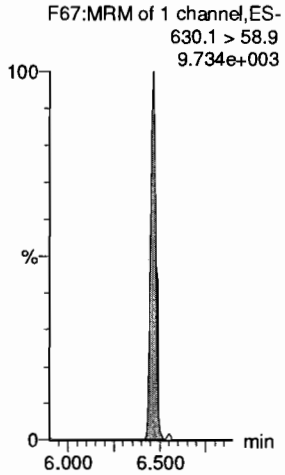

**PFODA**



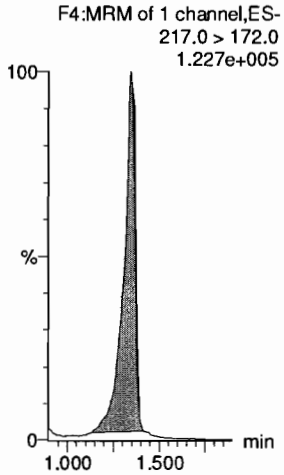

**N-MeFOSE**



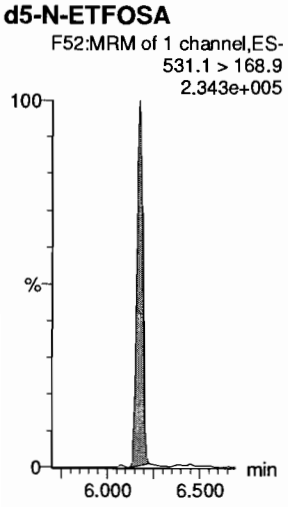

**N-EtFOSE**



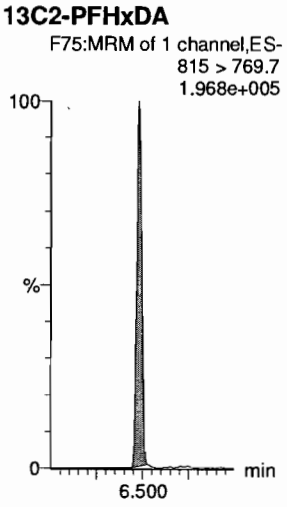

**13C4-PFBA**



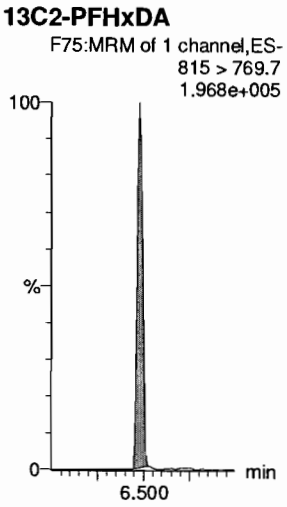

**d5-N-ETFOSA**



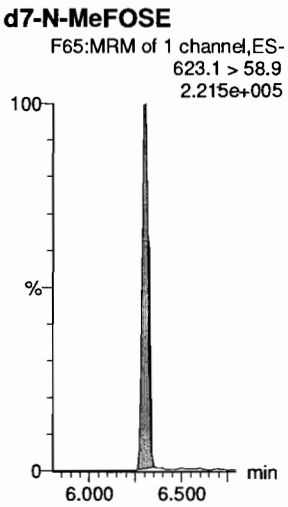

**13C2-PFHxDA**



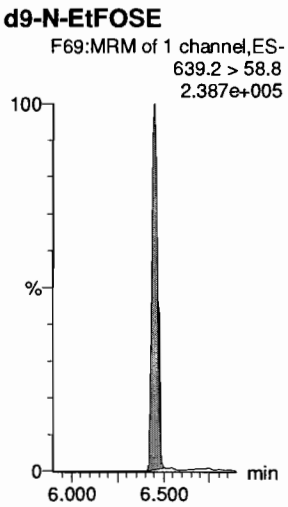

**13C2-PFHxDA**



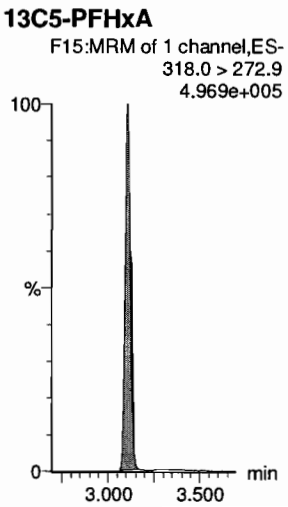

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

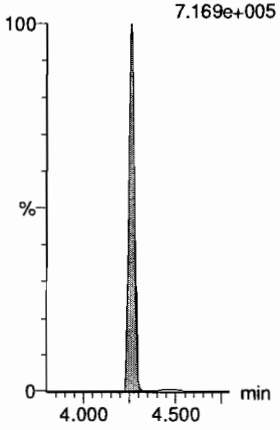


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

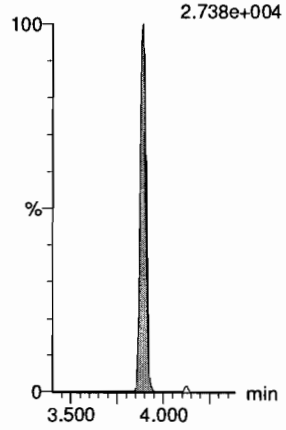
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_5, Date: 02-Aug-2019, Time: 13:08:26, ID: ST190802M2-3 PFC CS0 19G2303, Description: PFC CS0 19G2003**

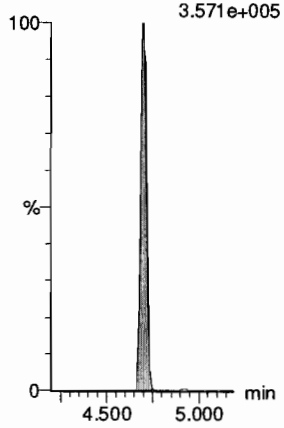
**13C8-PFOA**



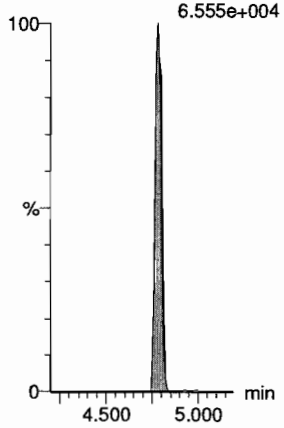

**18O2-PFHxS**



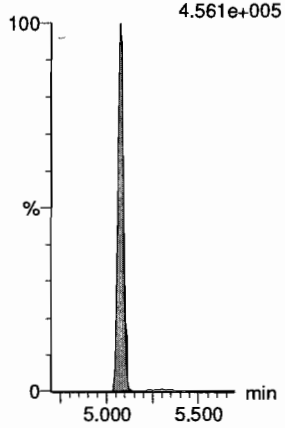

**13C9-PFNA**



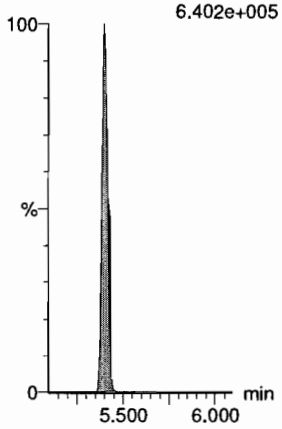

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

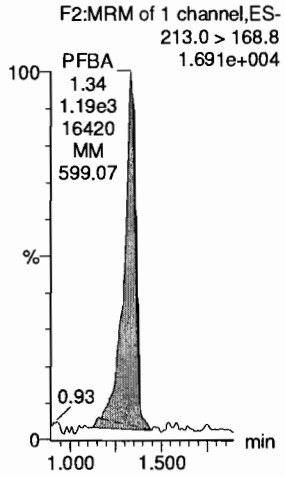


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

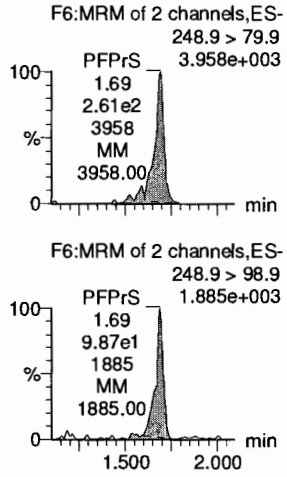
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

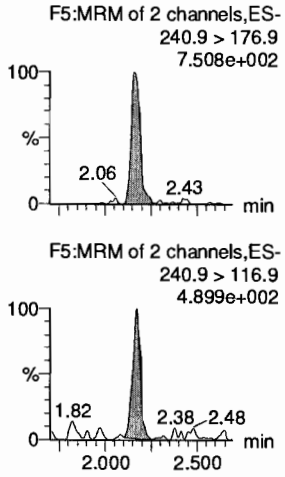
**PFBA**



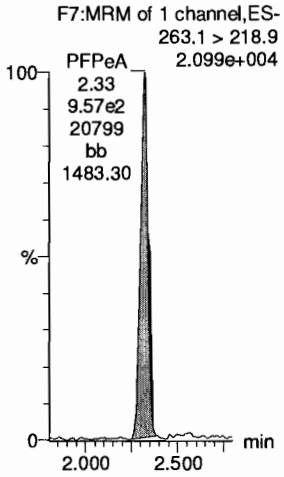

**PFPrS**



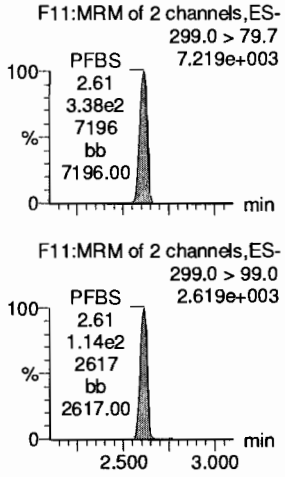

**3:3 FTCA**



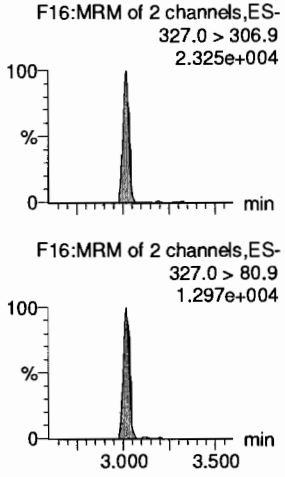

**PFPeA**



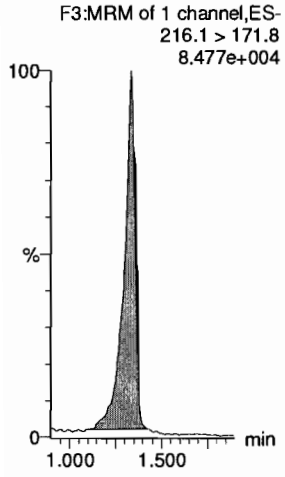

**PFBS**



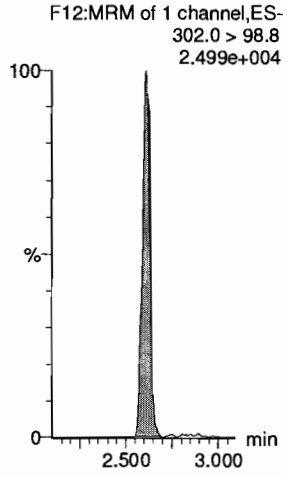

**4:2 FTS**



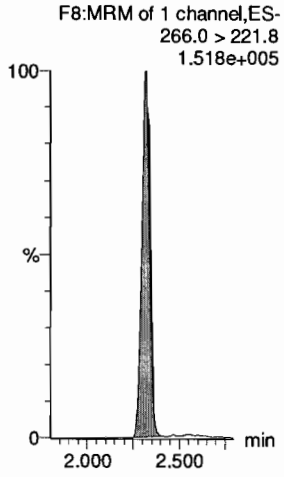

**13C3-PFBA**



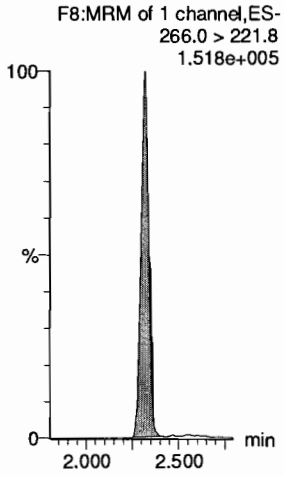

**13C3-PFBS**



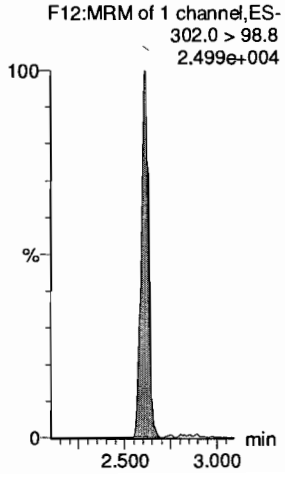

**13C3-PFPeA**



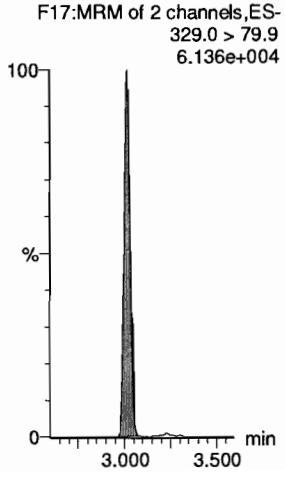

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

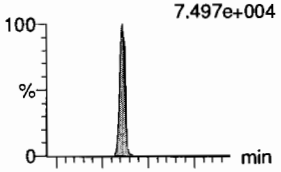


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

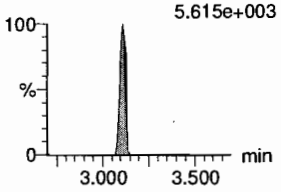
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

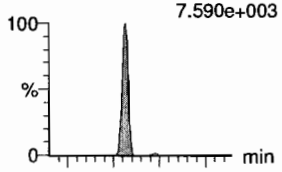
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
7.497e+004



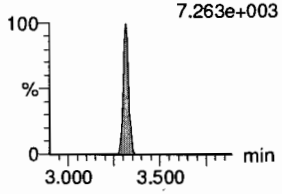
F13:MRM of 2 channels,ES-
313 > 118.9
5.615e+003



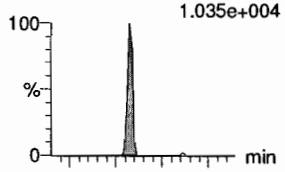
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
7.590e+003



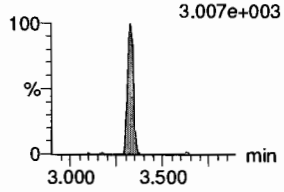
F19:MRM of 2 channels,ES-
349.1 > 99
7.263e+003



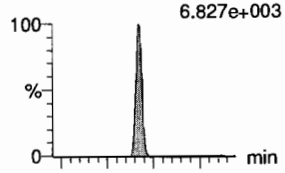
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
1.035e+004



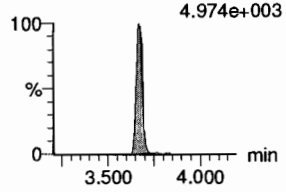
F9:MRM of 3 channels,ES-
285.1 > 184.9
3.007e+003



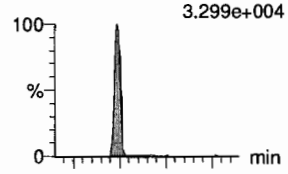
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
6.827e+003



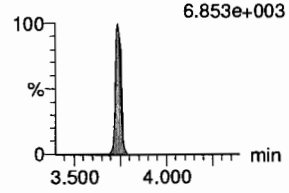
F18:MRM of 2 channels,ES-
340.9 > 216.9
4.974e+003



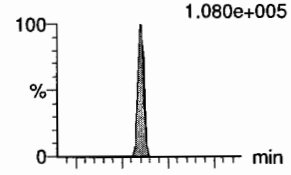
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
3.299e+004



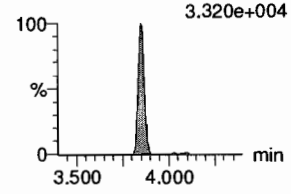
F20:MRM of 2 channels,ES-
363.0 > 169.0
6.853e+003



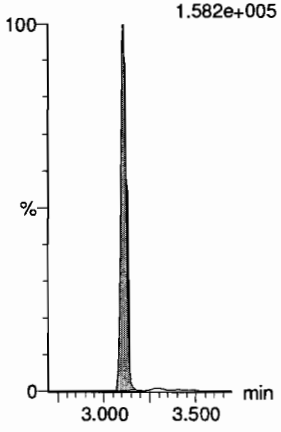
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
1.080e+005



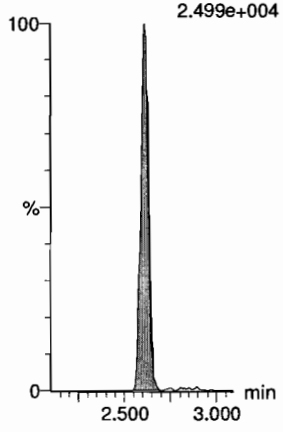
F22:MRM of 2 channels,ES-
376.8 > 85.0
3.320e+004



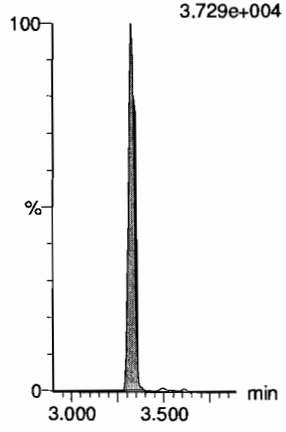
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.582e+005



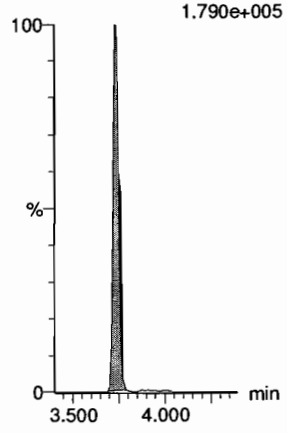
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.499e+004



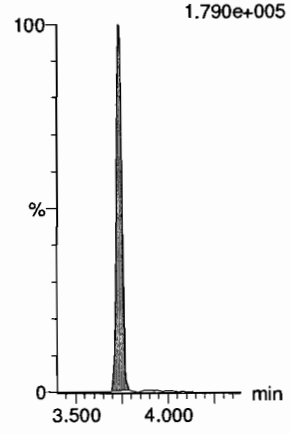
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
3.729e+004



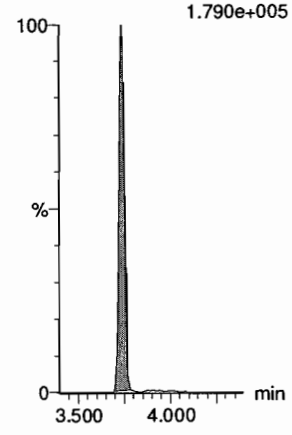
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.790e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.790e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.790e+005

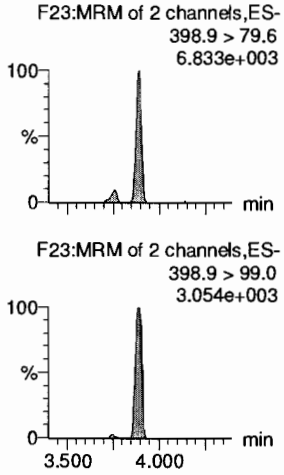


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

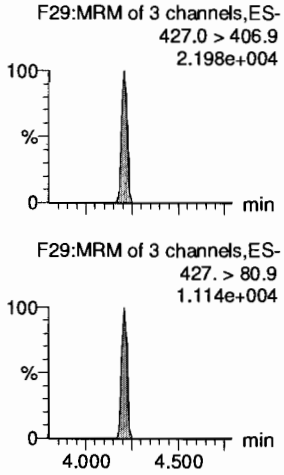
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

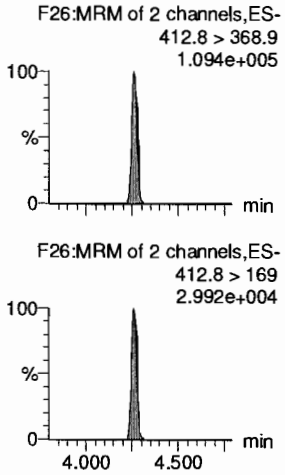
**L-PFHxS**



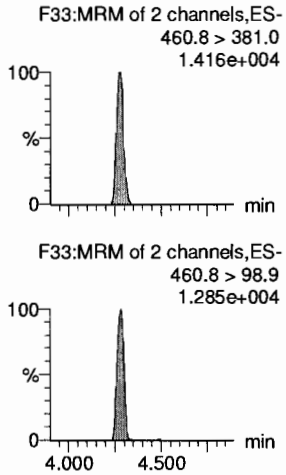

**6:2 FTS**



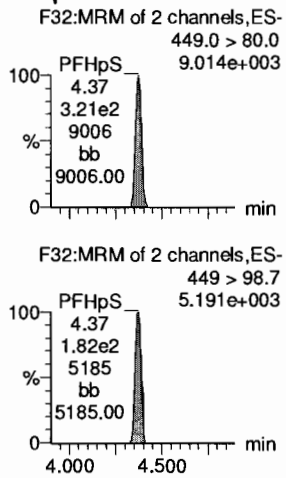

**L-PFOA**



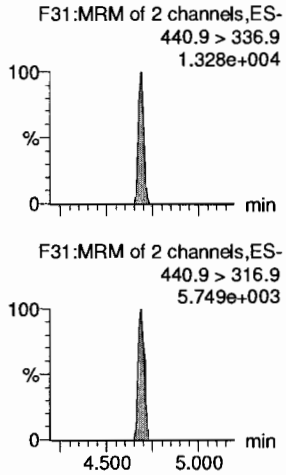

**PFEChS**



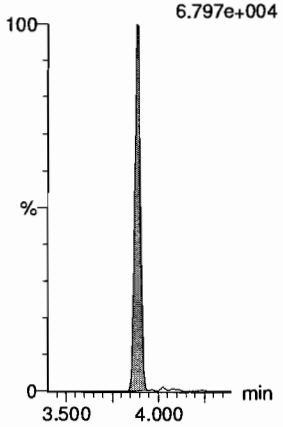

**PFHpS**



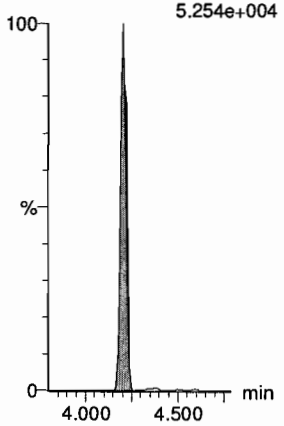

**7:3 FTCA**



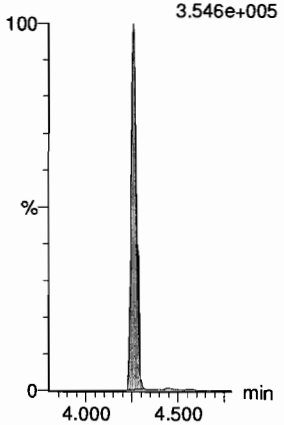

**13C3-PFHxS**



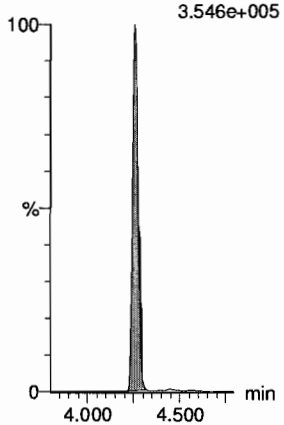

**13C2-6:2 FTS**



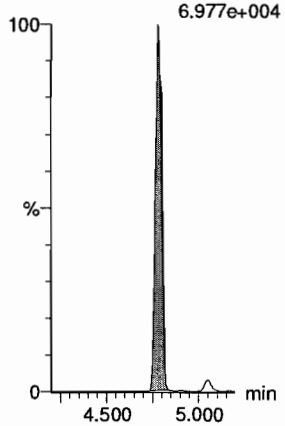

**13C2-PFOA**



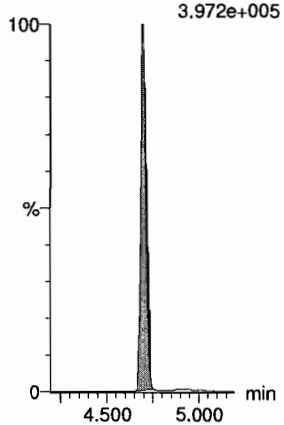

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

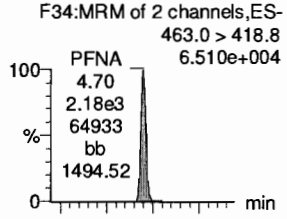


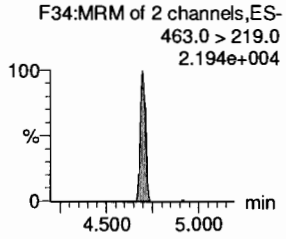
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

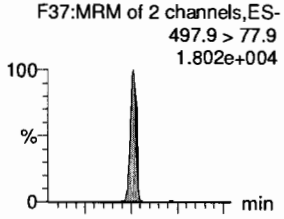
**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

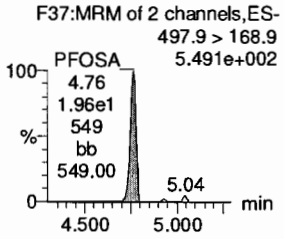
**PFNA**



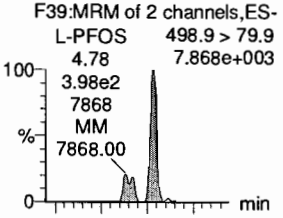



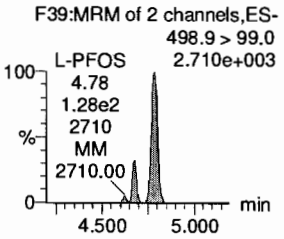

**PFOSA**



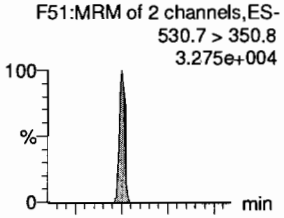



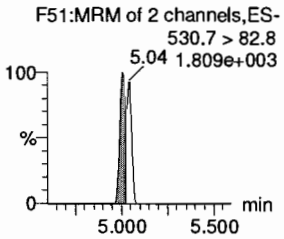

**L-PFOS**



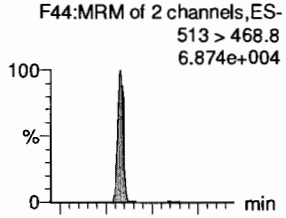



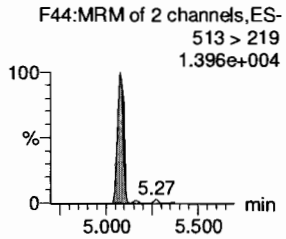

**9Cl-PF30NS**



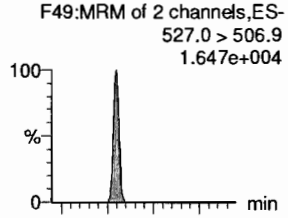



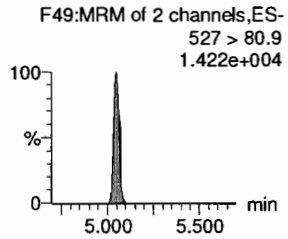

**PFDA**



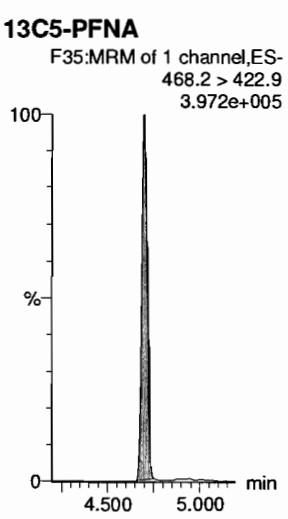




**8:2 FTS**

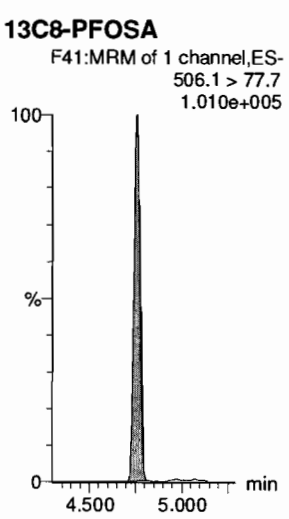


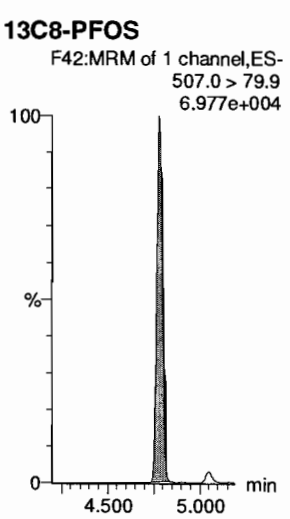

**13C5-PFNA**



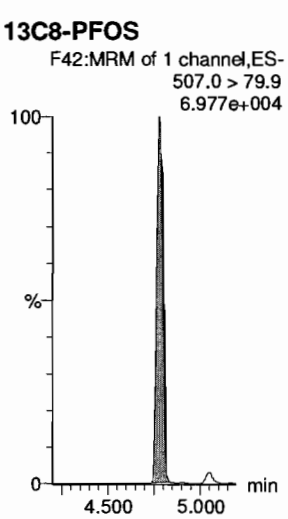

**13C8-PFOSA**



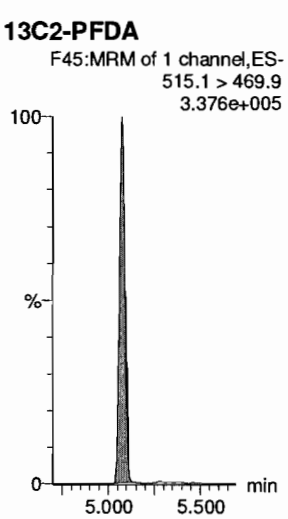

**13C8-PFOS**



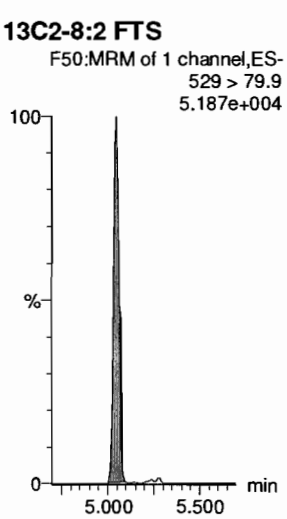

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

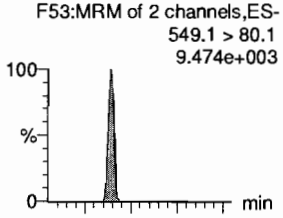


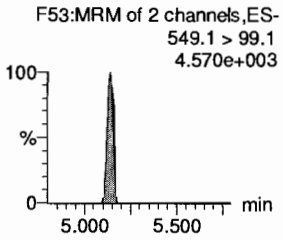
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

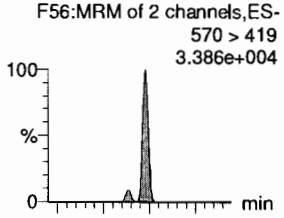
**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

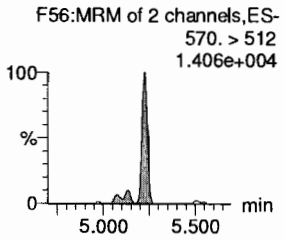
**PFNS**




**L-MeFOSAA**

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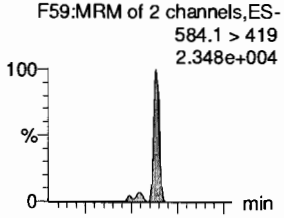
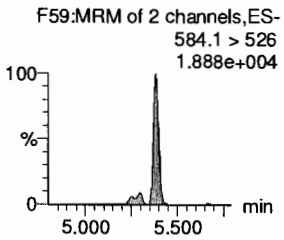
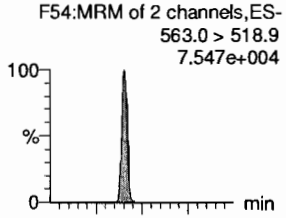
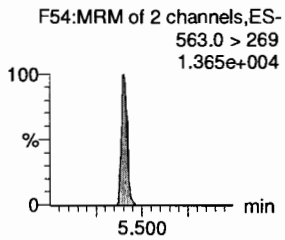


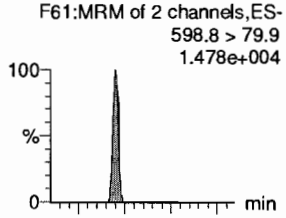



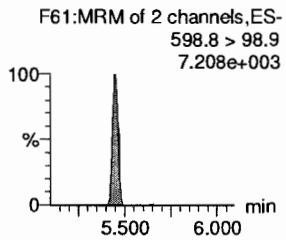

**PFUdA**



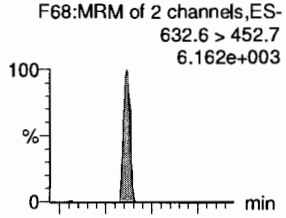



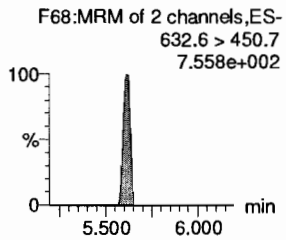

**PFDS**



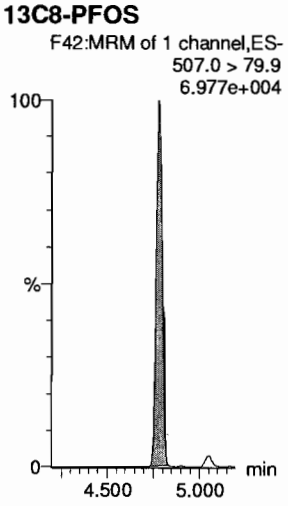




**11Cl-PF30UdS**

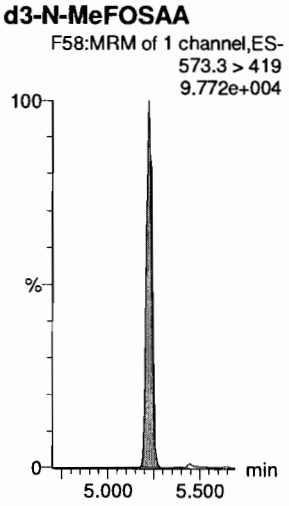


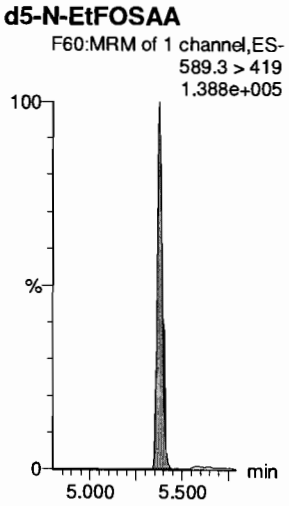

**13C8-PFOS**



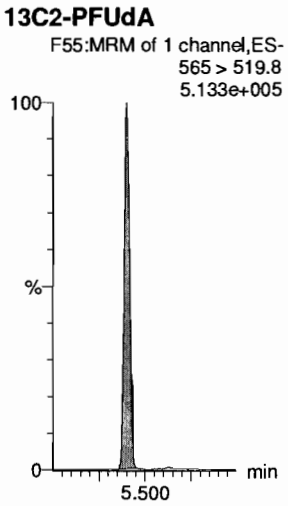

**d3-N-MeFOSAA**



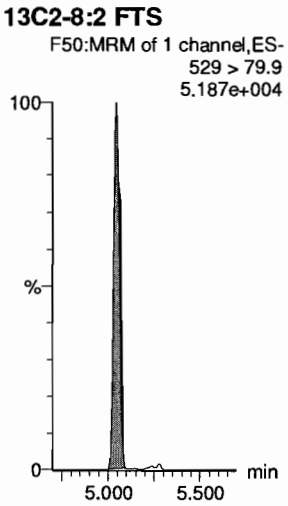

**d5-N-EtFOSAA**



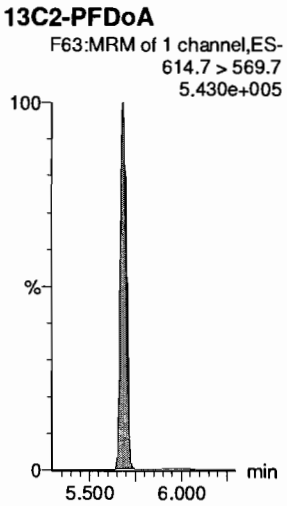

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**



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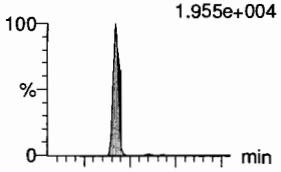
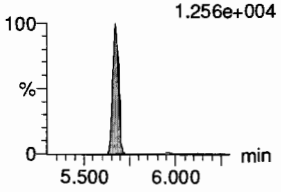
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

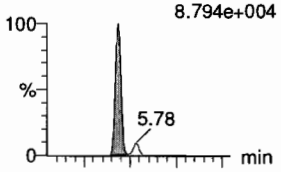
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
1.955e+004



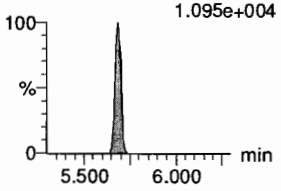
F66:MRM of 2 channels,ES-
627.0 > 80.9
1.256e+004



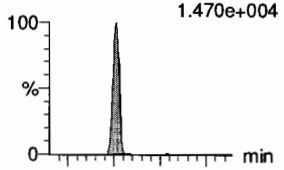
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
8.794e+004



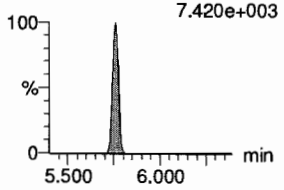

F62:MRM of 4 channels,ES-
612.9 > 318.8
1.095e+004



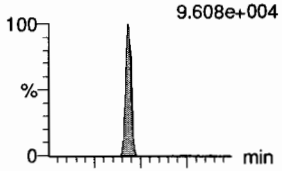
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
1.470e+004



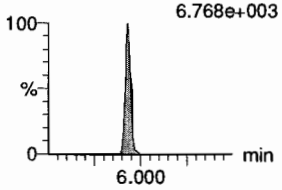
F43:MRM of 2 channels,ES-
512.1 > 219
7.420e+003



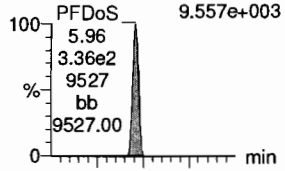
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
9.608e+004



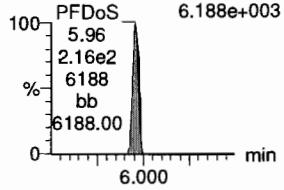
F70:MRM of 2 channels,ES-
662.9 > 319
6.768e+003



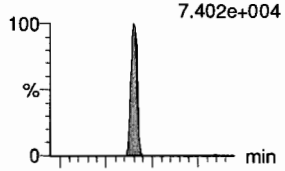
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
9.557e+003



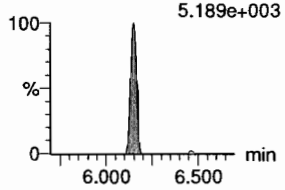

F71:MRM of 2 channels,ES-
698.8 > 98.9
6.188e+003



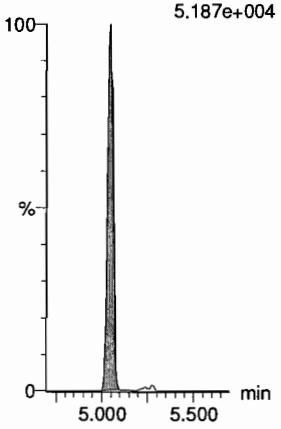

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
7.402e+004



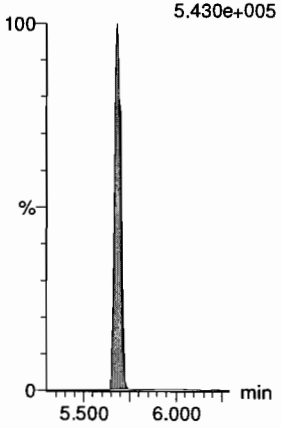
F72:MRM of 2 channels,ES-
713. > 369.0
5.189e+003



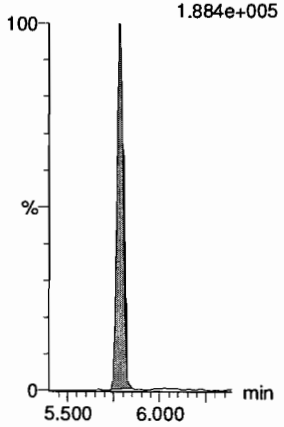
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
5.187e+004



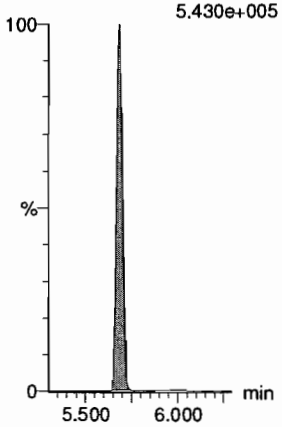
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.430e+005



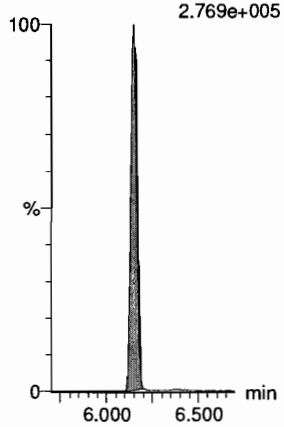
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.884e+005



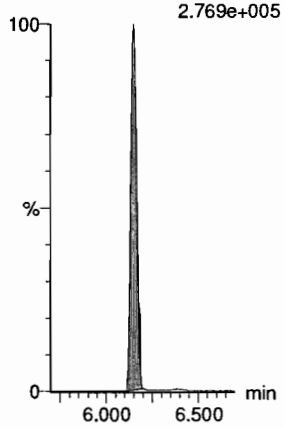
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.430e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.769e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.769e+005

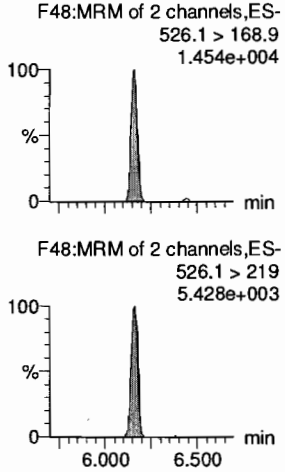


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

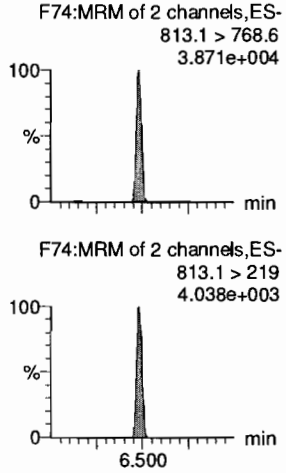
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

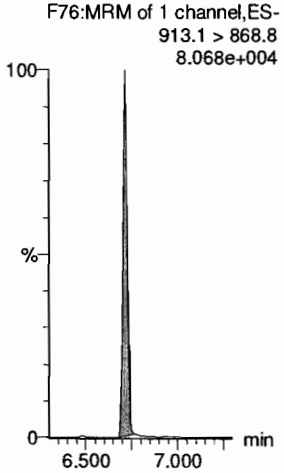
**N-EtFOSA**



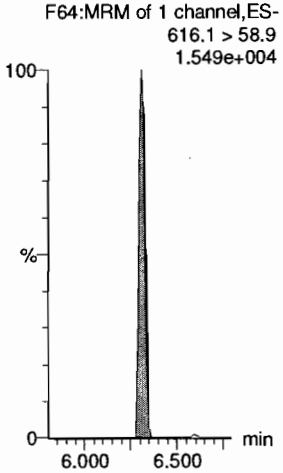

**PFHxDA**



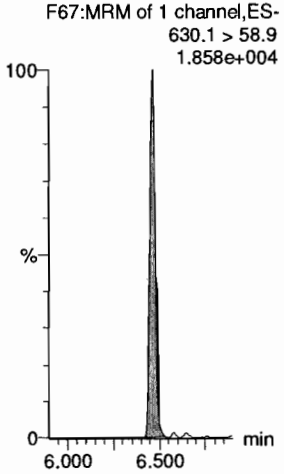

**PFODA**



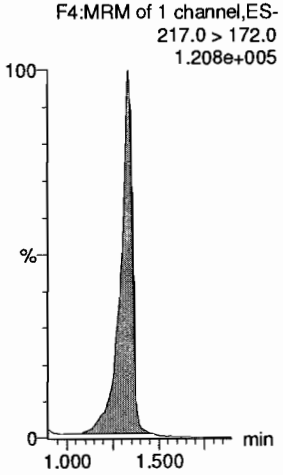

**N-MeFOSE**



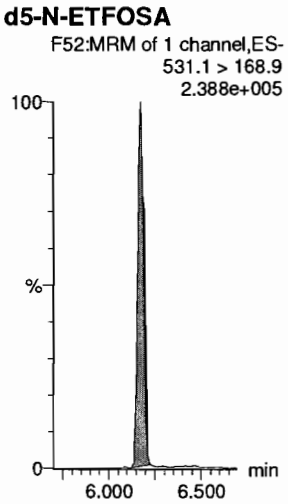

**N-EtFOSE**



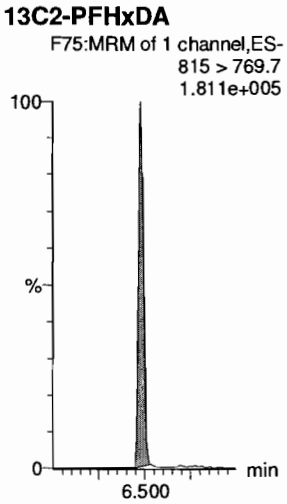

**13C4-PFBA**



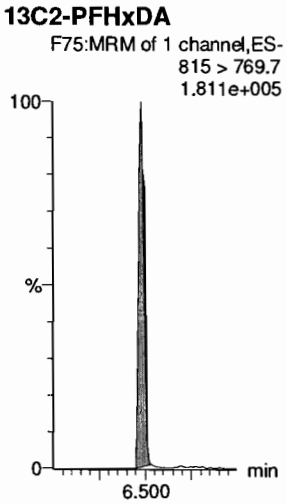

**d5-N-ETFOSA**



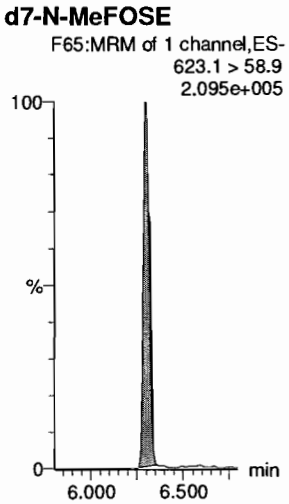

**13C2-PFHxDA**



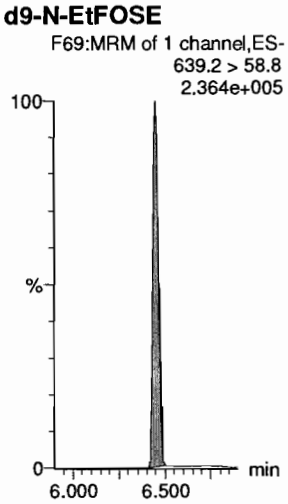

**13C2-PFHxDA**



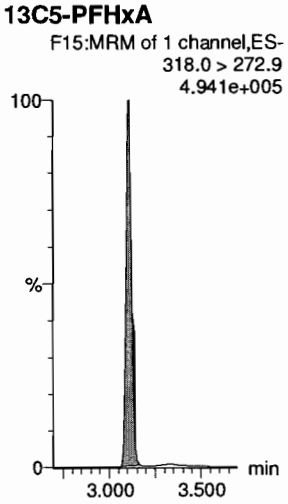

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

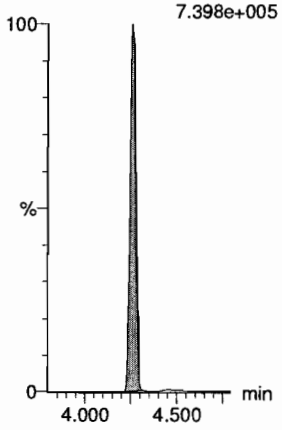


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

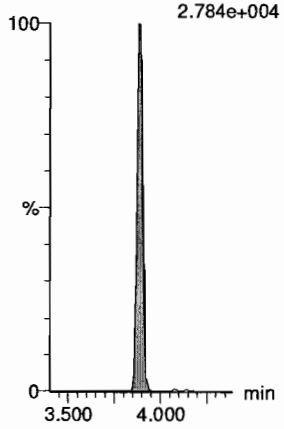
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_6, Date: 02-Aug-2019, Time: 13:19:04, ID: ST190802M2-4 PFC CS1 19G2304, Description: PFC CS1 19G2004**

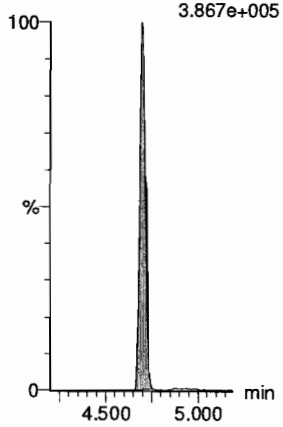
**13C8-PFOA**



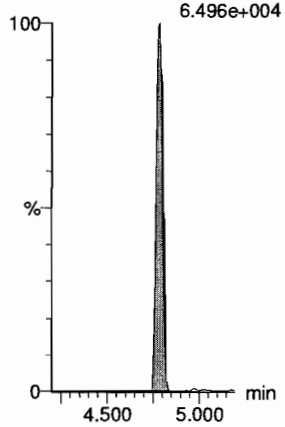

**18O2-PFHxS**



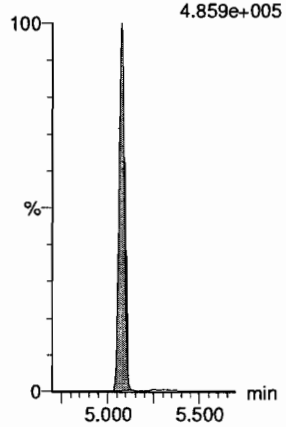

**13C9-PFNA**



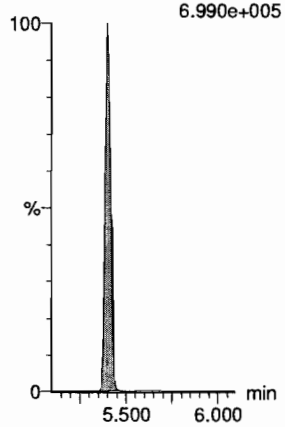

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

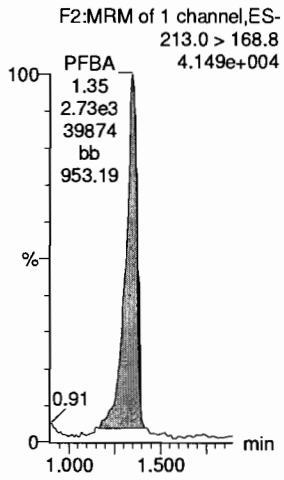


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

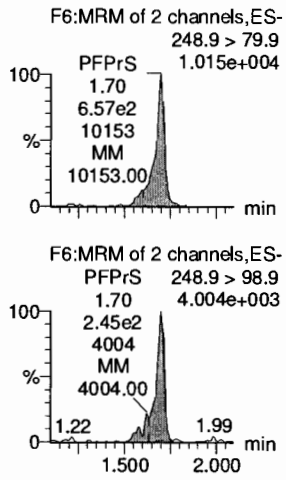
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

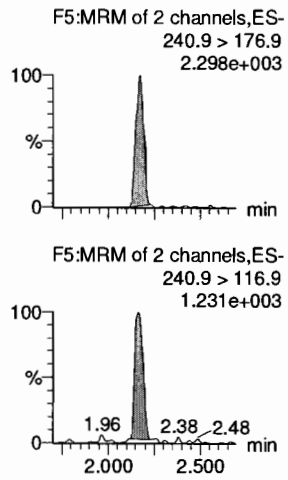
**PFBA**



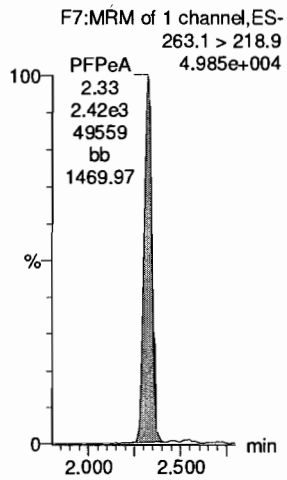

**PFPrS**



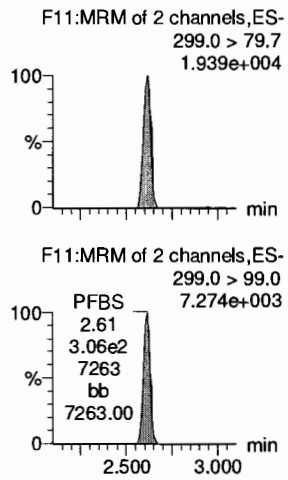

**3:3 FTCA**



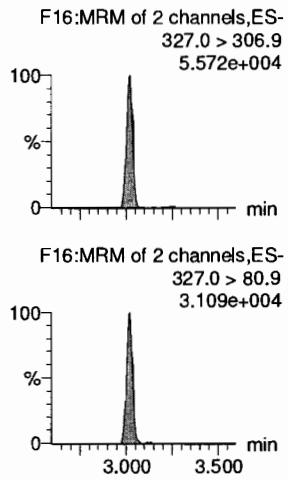

**PFPeA**



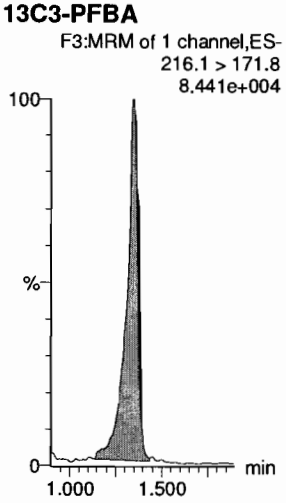

**PFBS**



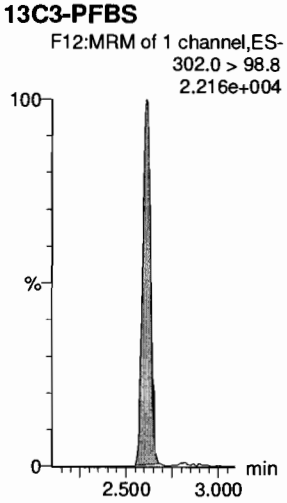

**4:2 FTS**



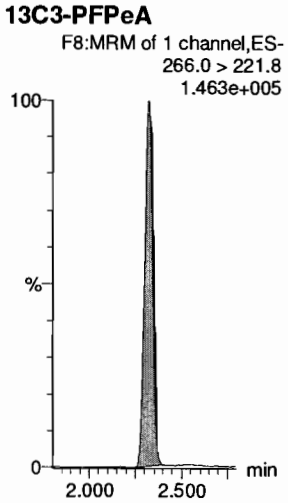

**13C3-PFBA**



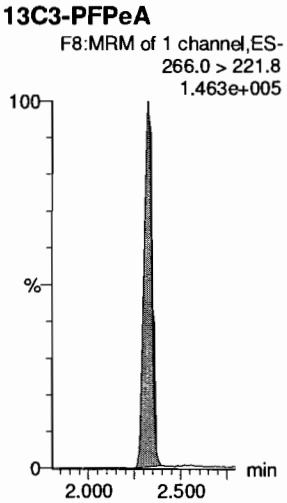

**13C3-PFBS**



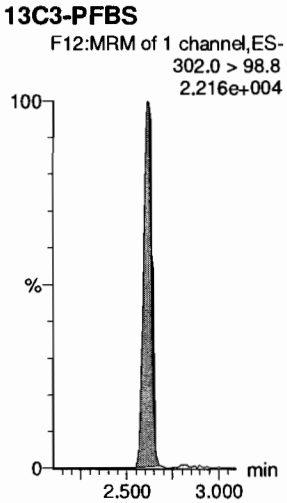

**13C3-PFPeA**



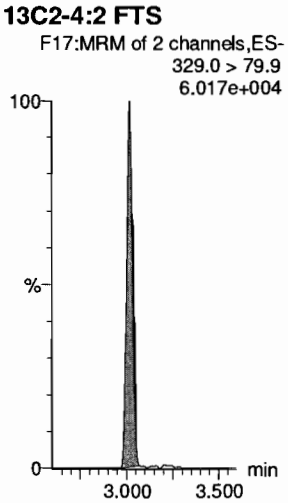

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

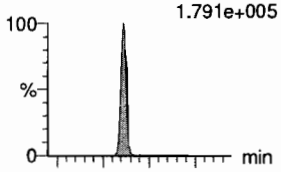


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

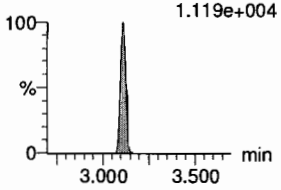
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

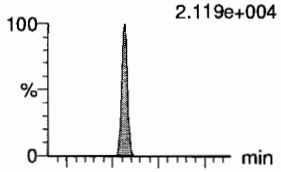
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
1.791e+005



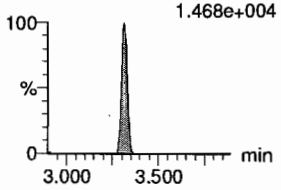
F13:MRM of 2 channels,ES-
313 > 118.9
1.119e+004



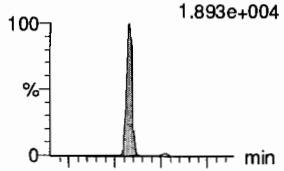
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
2.119e+004



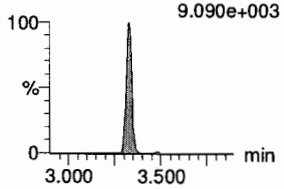
F19:MRM of 2 channels,ES-
349.1 > 99
1.468e+004



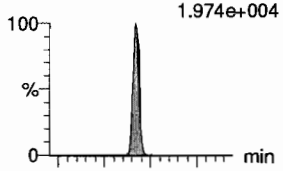
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
1.893e+004



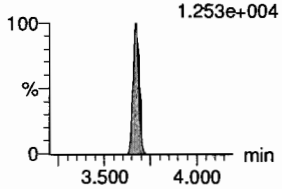
F9:MRM of 3 channels,ES-
285.1 > 184.9
9.090e+003



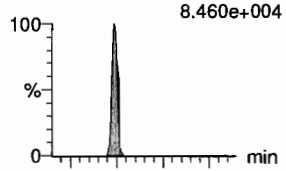
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
1.974e+004



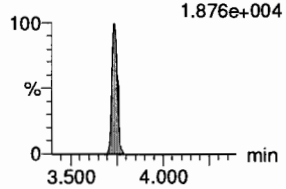
F18:MRM of 2 channels,ES-
340.9 > 216.9
1.253e+004



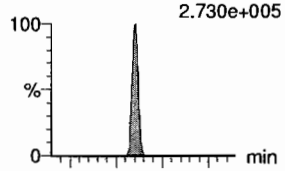
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
8.460e+004



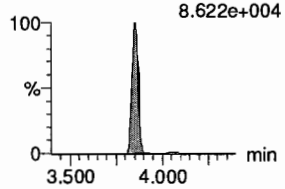
F20:MRM of 2 channels,ES-
363.0 > 169.0
1.876e+004



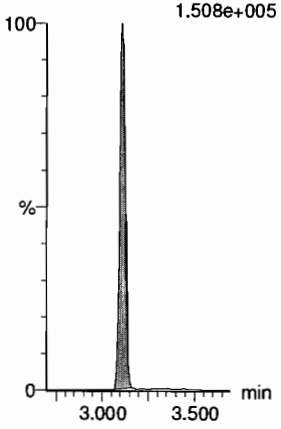
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
2.730e+005



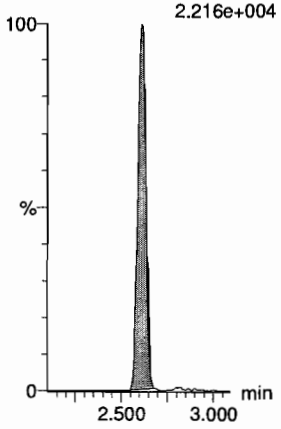
F22:MRM of 2 channels,ES-
376.8 > 85.0
8.622e+004



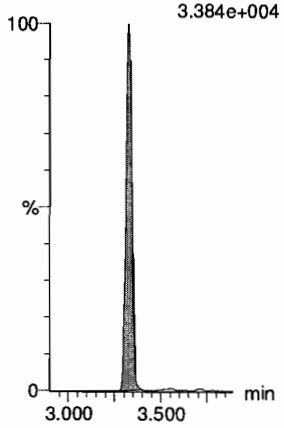
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.508e+005



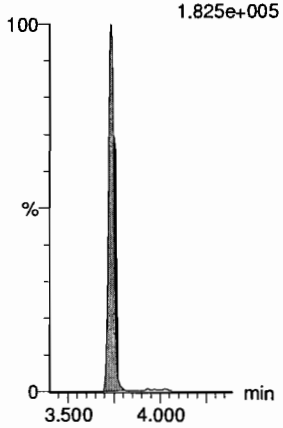
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.216e+004



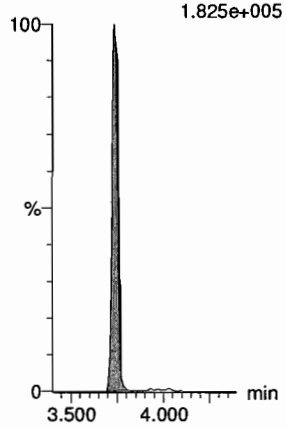
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
3.384e+004



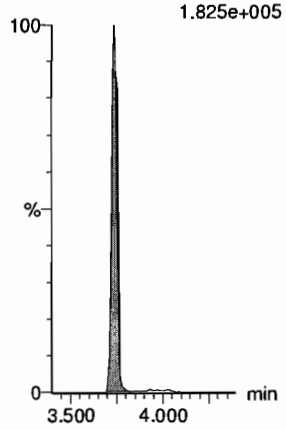
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.825e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.825e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.825e+005

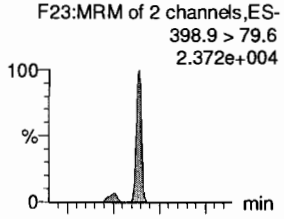


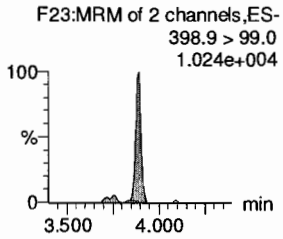
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

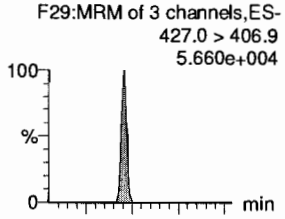
**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

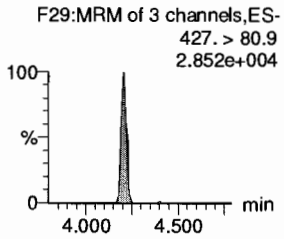
**L-PFHxS**



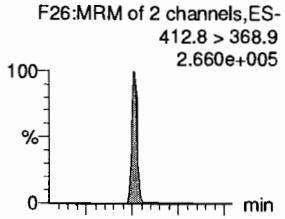



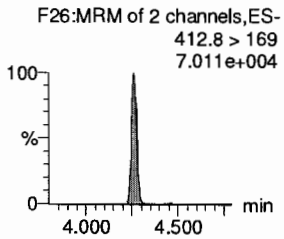

**6:2 FTS**



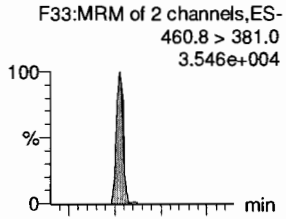



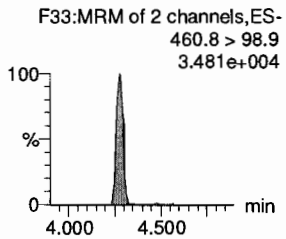

**L-PFOA**



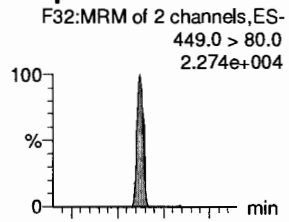



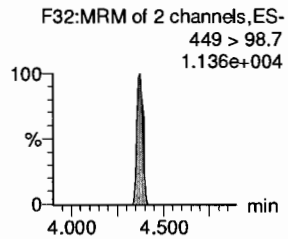

**PFEChS**



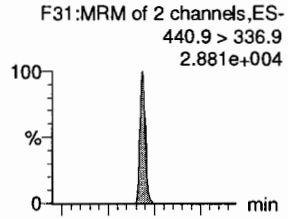



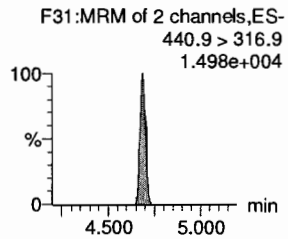

**PFHpS**



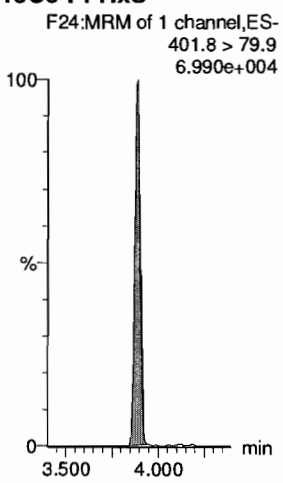




**7:3 FTCA**

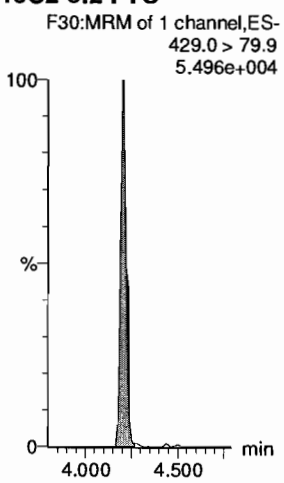


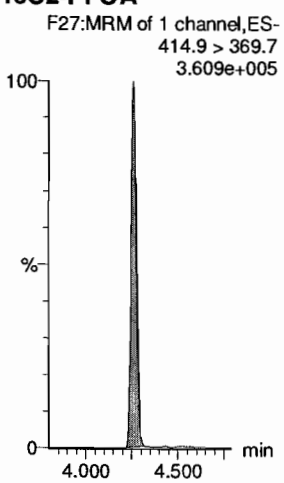

**13C3-PFHxS**



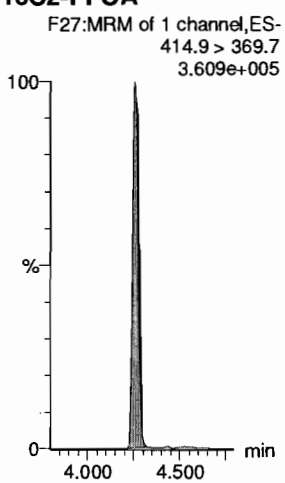

**13C2-6:2 FTS**



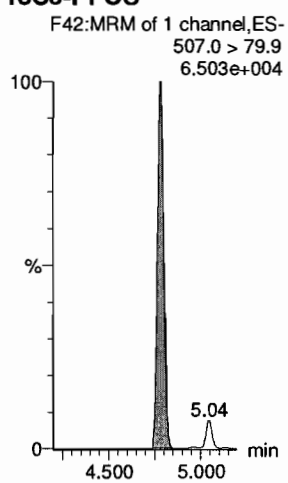

**13C2-PFOA**



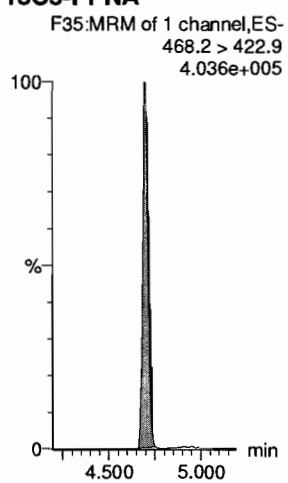

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

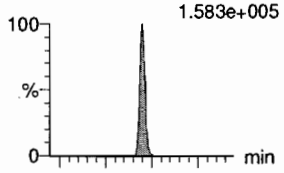


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

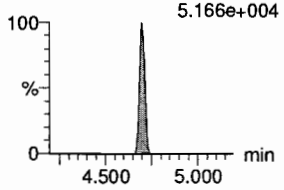
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

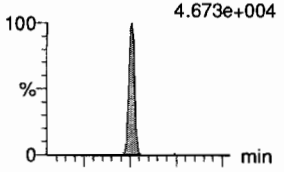
**PFNA**
F34:MRM of 2 channels,ES-
463.0 > 418.8
1.583e+005



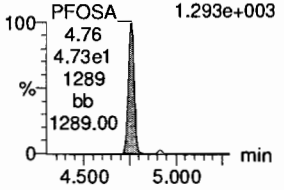

F34:MRM of 2 channels,ES-
463.0 > 219.0
5.166e+004



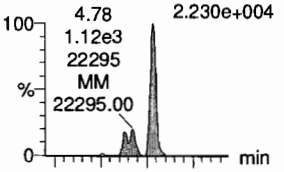

**PFOSA**
F37:MRM of 2 channels,ES-
497.9 > 77.9
4.673e+004



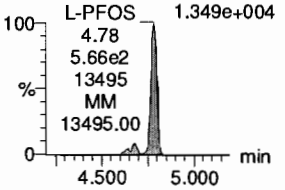

F37:MRM of 2 channels,ES-
497.9 > 168.9
1.293e+003



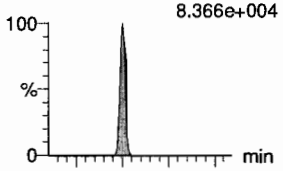

**L-PFOS**
F39:MRM of 2 channels,ES-
498.9 > 79.9
2.230e+004



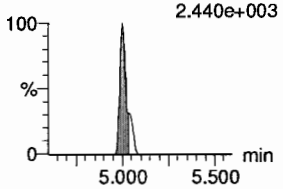

F39:MRM of 2 channels,ES-
498.9 > 99.0
1.349e+004



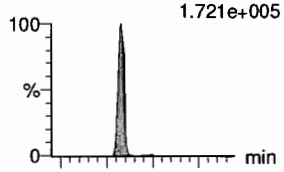

**9Cl-PF30NS**
F51:MRM of 2 channels,ES-
530.7 > 350.8
8.366e+004



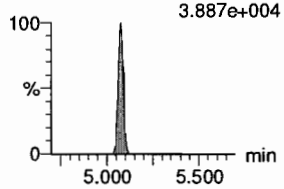

F51:MRM of 2 channels,ES-
530.7 > 82.8
2.440e+003



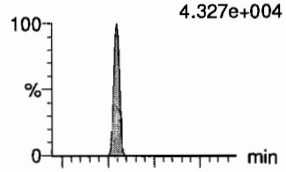

**PFDA**
F44:MRM of 2 channels,ES-
513 > 468.8
1.721e+005



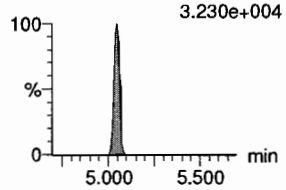

F44:MRM of 2 channels,ES-
513 > 219
3.887e+004



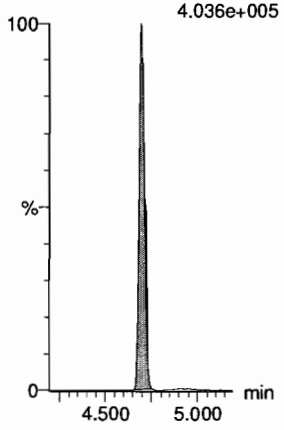

**8:2 FTS**
F49:MRM of 2 channels,ES-
527.0 > 506.9
4.327e+004



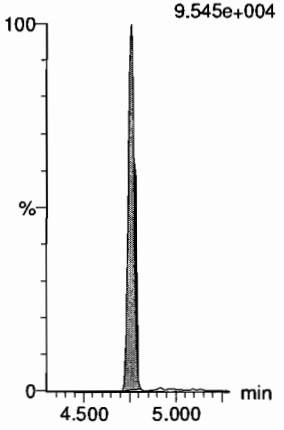

F49:MRM of 2 channels,ES-
527 > 80.9
3.230e+004



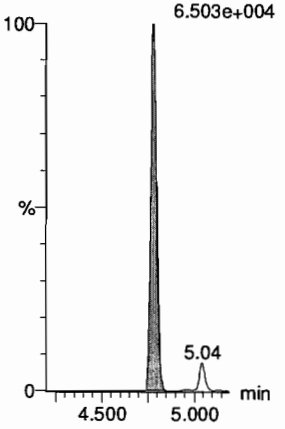

**13C5-PFNA**
F35:MRM of 1 channel,ES-
468.2 > 422.9
4.036e+005



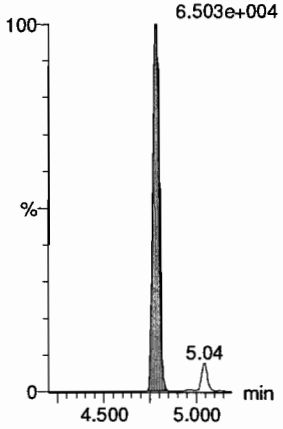

**13C8-PFOSA**
F41:MRM of 1 channel,ES-
506.1 > 77.7
9.545e+004



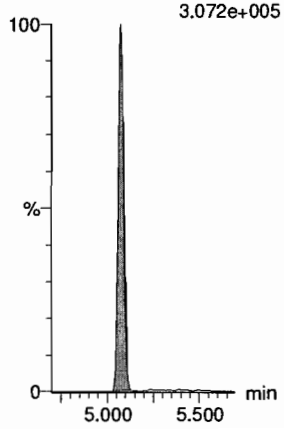

**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.503e+004



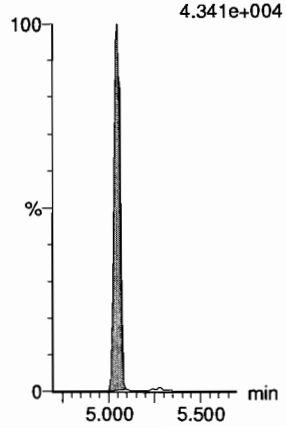

**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.503e+004




**13C2-PFDA**
F45:MRM of 1 channel,ES-
515.1 > 469.9
3.072e+005




**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.341e+004

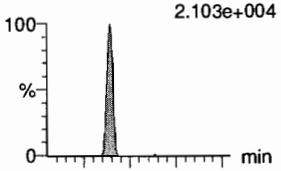


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

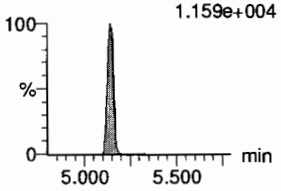
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

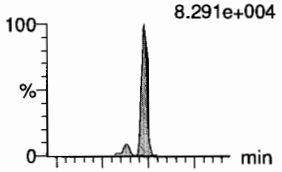
**PFNS**
F53:MRM of 2 channels,ES-
549.1 > 80.1
2.103e+004



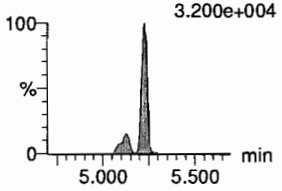
F53:MRM of 2 channels,ES-
549.1 > 99.1
1.159e+004



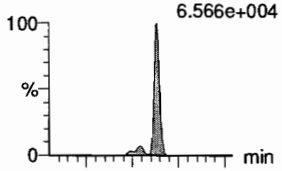
**L-MeFOSAA**
F56:MRM of 2 channels,ES-
570 > 419
8.291e+004



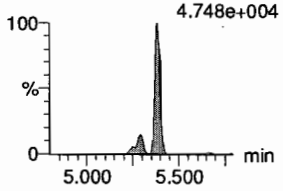
F56:MRM of 2 channels,ES-
570. > 512
3.200e+004



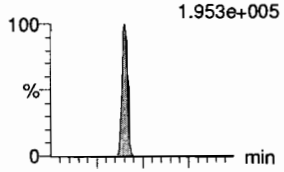
**L-EtFOSAA**
F59:MRM of 2 channels,ES-
584.1 > 419
6.566e+004



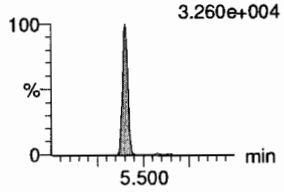
F59:MRM of 2 channels,ES-
584.1 > 526
4.748e+004



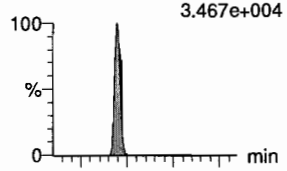
**PFUdA**
F54:MRM of 2 channels,ES-
563.0 > 518.9
1.953e+005



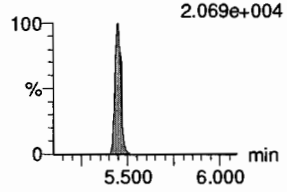
F54:MRM of 2 channels,ES-
563.0 > 269
3.260e+004



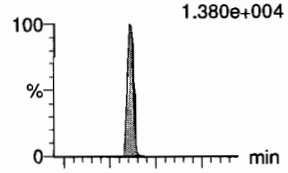
**PFDS**
F61:MRM of 2 channels,ES-
598.8 > 79.9
3.467e+004



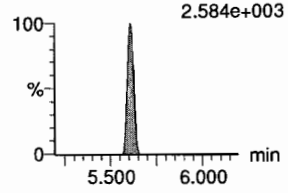
F61:MRM of 2 channels,ES-
598.8 > 98.9
2.069e+004



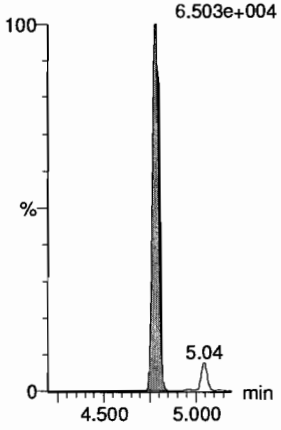
**11Cl-PF30UdS**
F68:MRM of 2 channels,ES-
632.6 > 452.7
1.380e+004



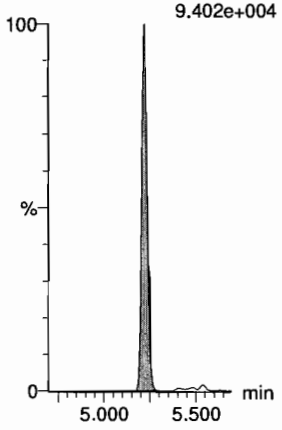
F68:MRM of 2 channels,ES-
632.6 > 450.7
2.584e+003



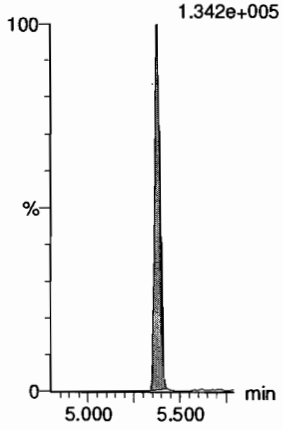
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.503e+004



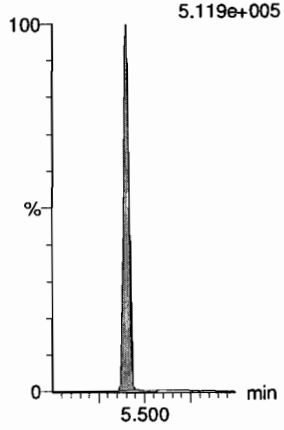

**d3-N-MeFOSAA**
F58:MRM of 1 channel,ES-
573.3 > 419
9.402e+004



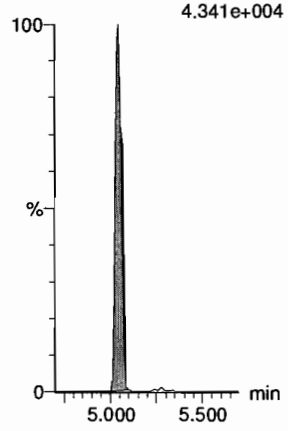
**d5-N-EtFOSAA**
F60:MRM of 1 channel,ES-
589.3 > 419
1.342e+005



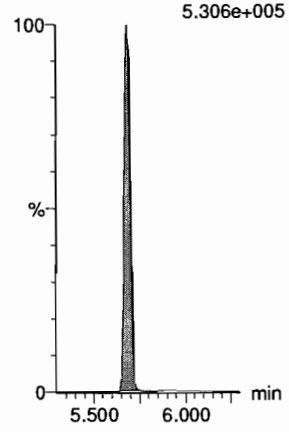
**13C2-PFUdA**
F55:MRM of 1 channel,ES-
565 > 519.8
5.119e+005



**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.341e+004



**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.306e+005

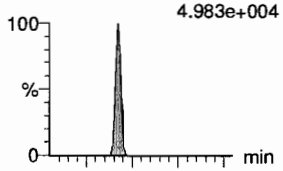


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

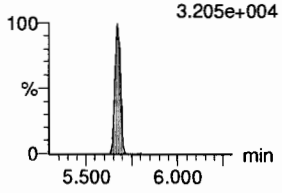
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

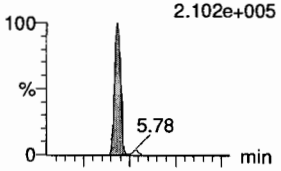
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
4.983e+004



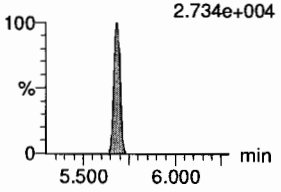
F66:MRM of 2 channels,ES-
627.0 > 80.9
3.205e+004



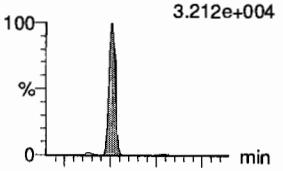
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
2.102e+005



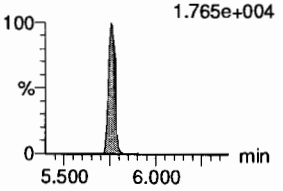

F62:MRM of 4 channels,ES-
612.9 > 318.8
2.734e+004



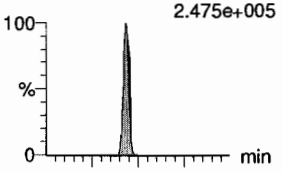
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
3.212e+004



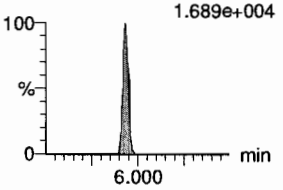
F43:MRM of 2 channels,ES-
512.1 > 219
1.765e+004



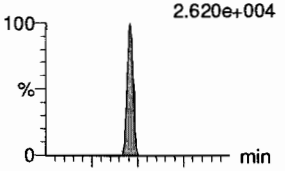
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
2.475e+005



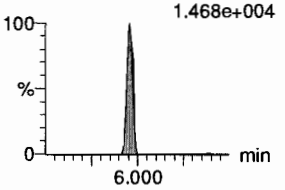
F70:MRM of 2 channels,ES-
662.9 > 319
1.689e+004



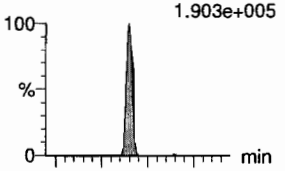
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
2.620e+004



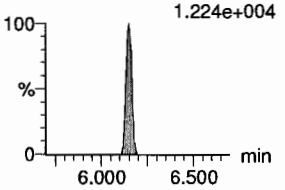
F71:MRM of 2 channels,ES-
698.8 > 98.9
1.468e+004



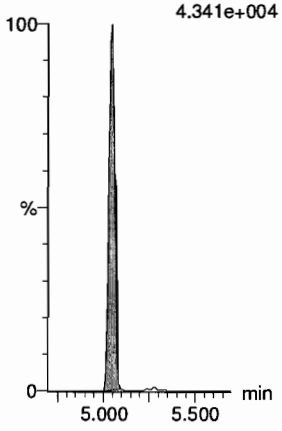
**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
1.903e+005



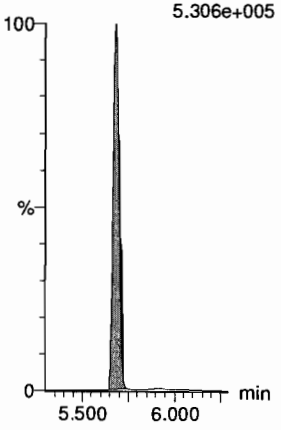
F72:MRM of 2 channels,ES-
713. > 369.0
1.224e+004



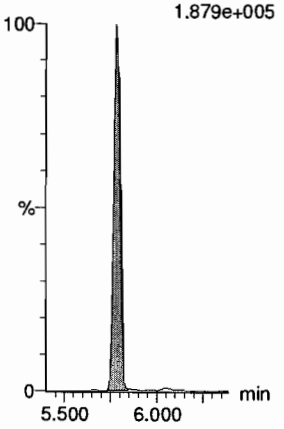
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.341e+004



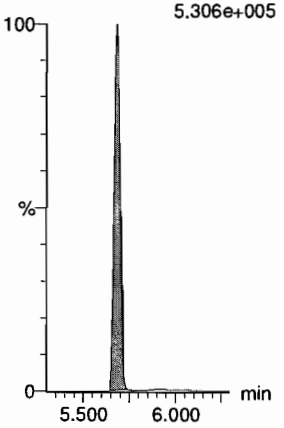
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.306e+005



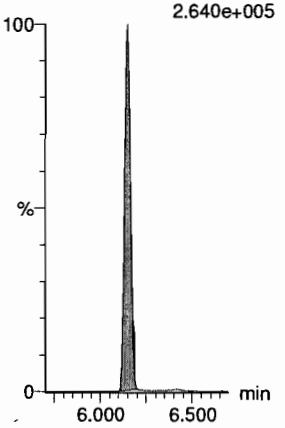
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.879e+005



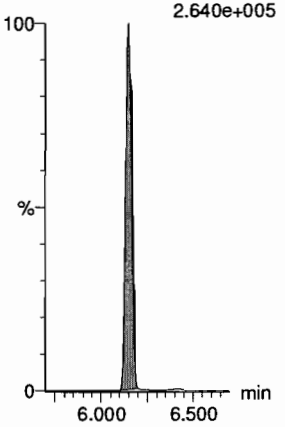
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.306e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.640e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.640e+005

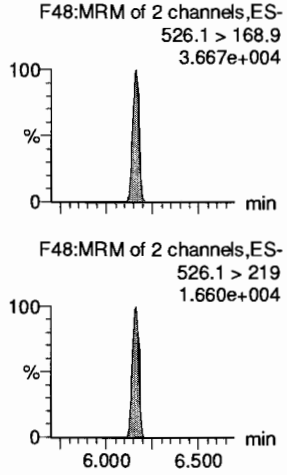


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

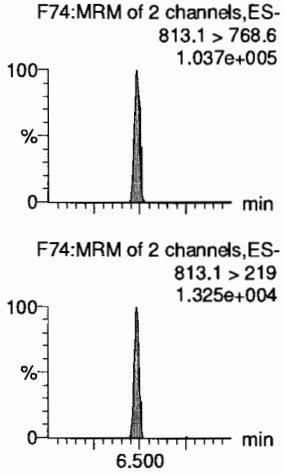
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

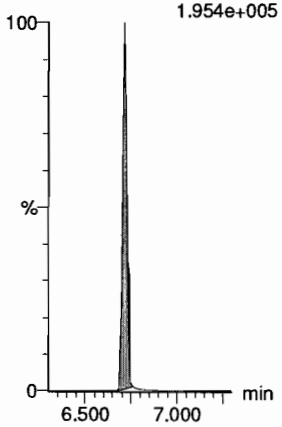
**N-EtFOSA**



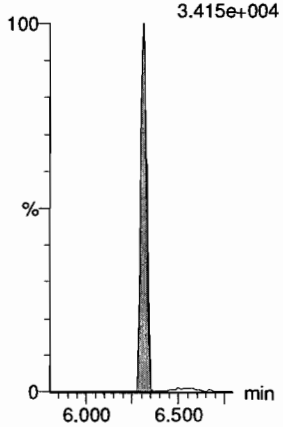

**PFHxDA**



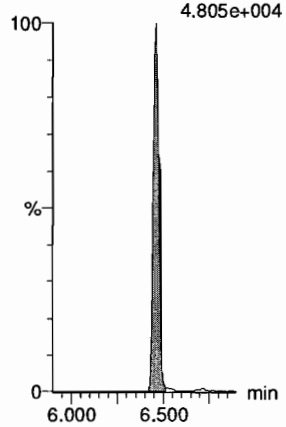

**PFODA**



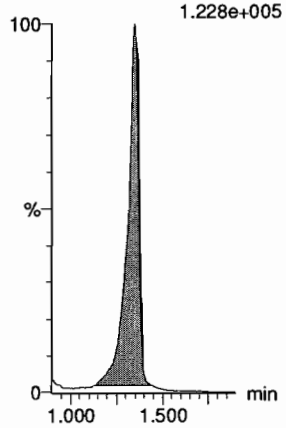

**N-MeFOSE**



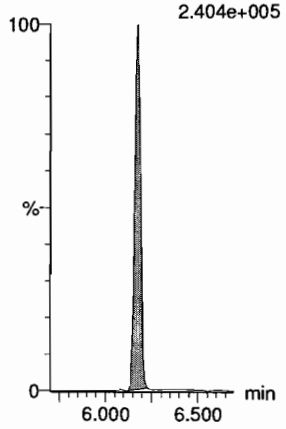

**N-EtFOSE**



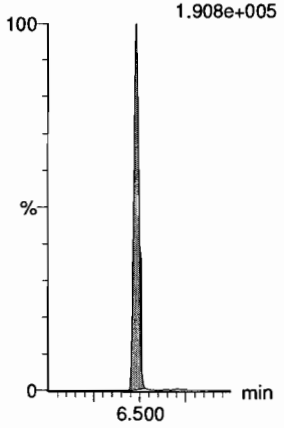

**13C4-PFBA**



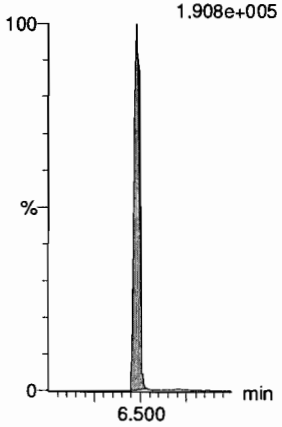

**d5-N-ETFOSA**



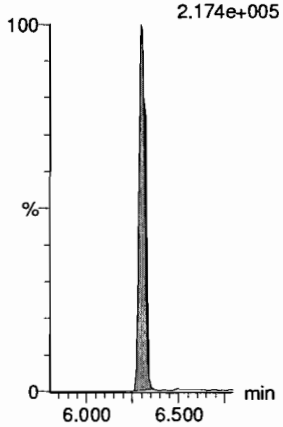

**13C2-PFHxDA**



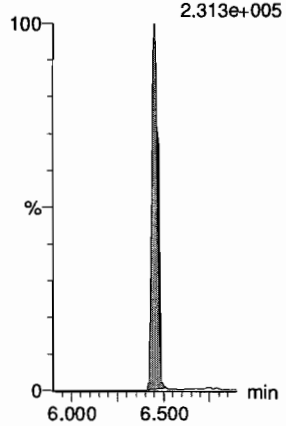

**13C2-PFHxDA**



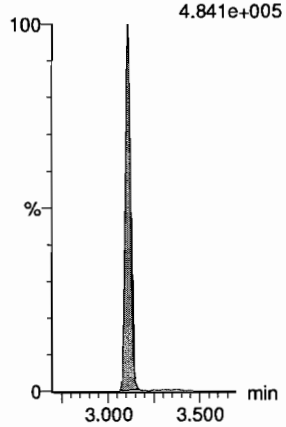

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

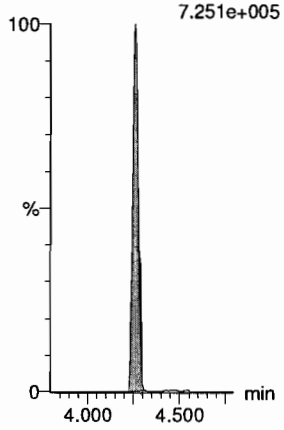


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

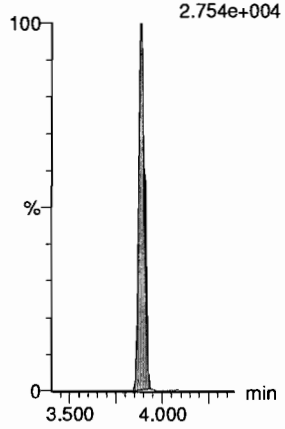
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_7, Date: 02-Aug-2019, Time: 13:29:37, ID: ST190802M2-5 PFC CS2 19G2305, Description: PFC CS2 19G2005**

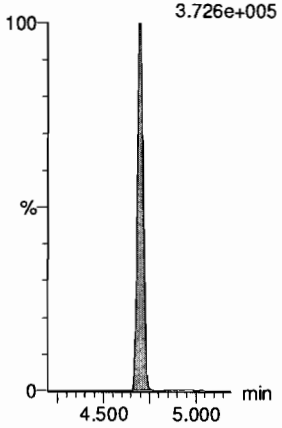
**13C8-PFOA**



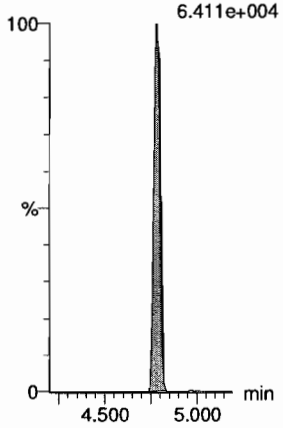

**18O2-PFHxS**



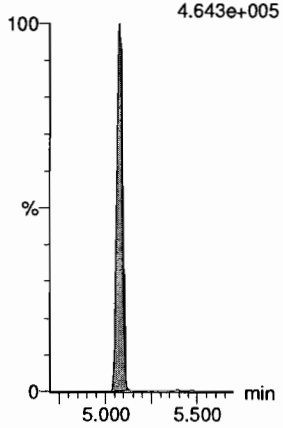

**13C9-PFNA**



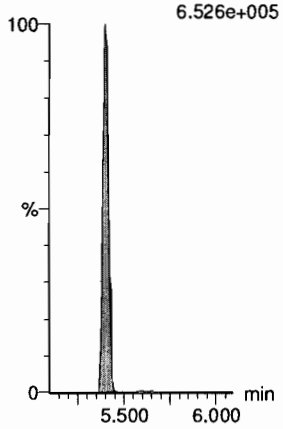

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

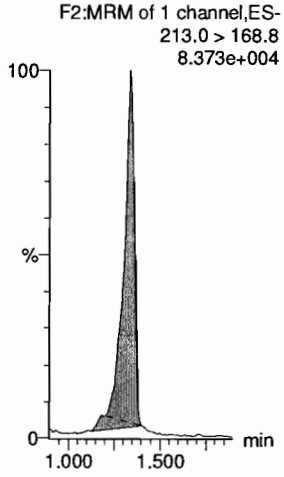


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

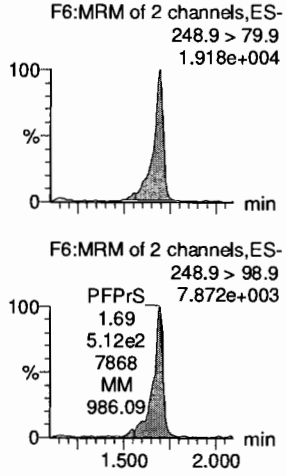
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

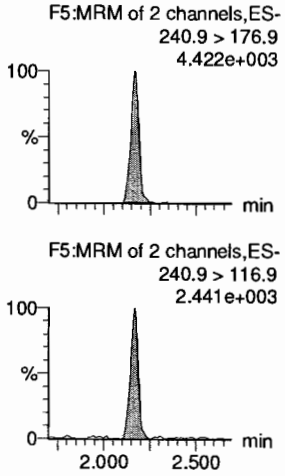
**PFBA**



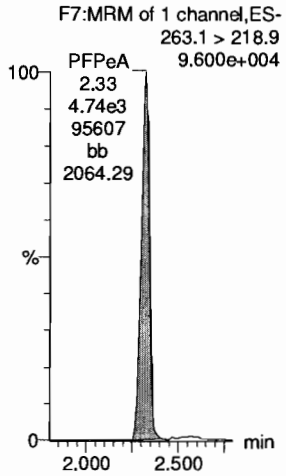

**PFPrS**



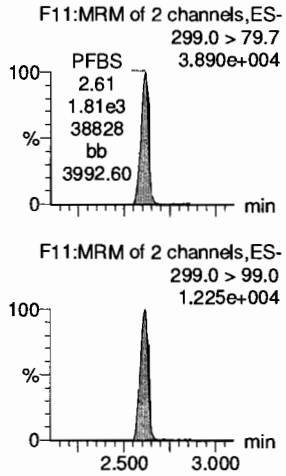

**3:3 FTCA**



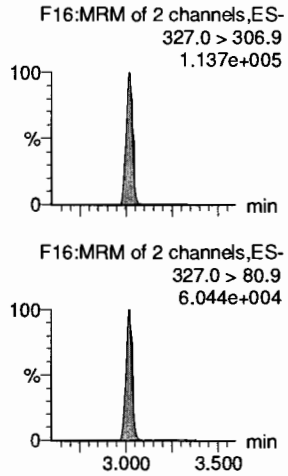

**PFPeA**



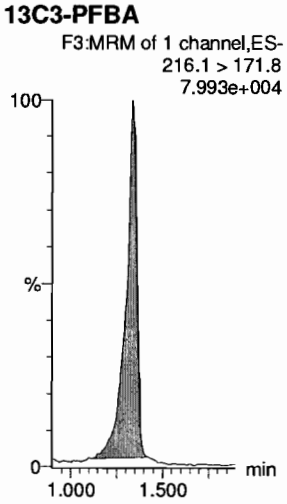

**PFBS**



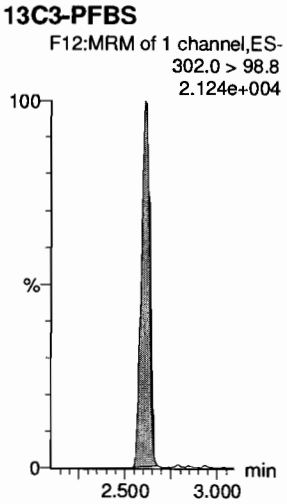

**4:2 FTS**



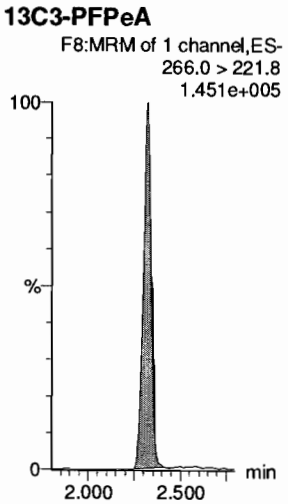

**13C3-PFBA**



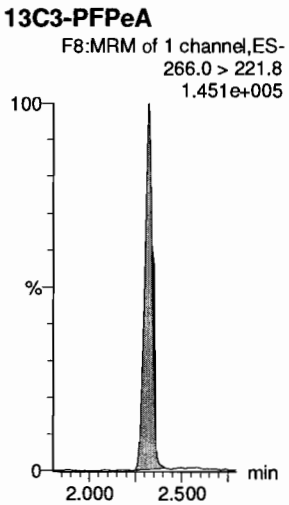

**13C3-PFBS**



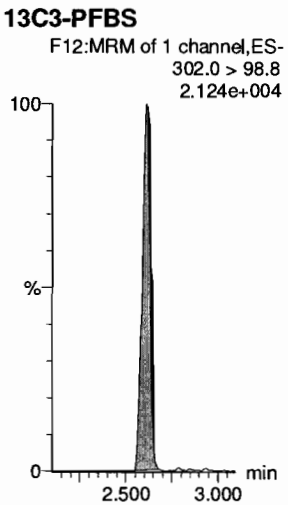

**13C3-PFPeA**



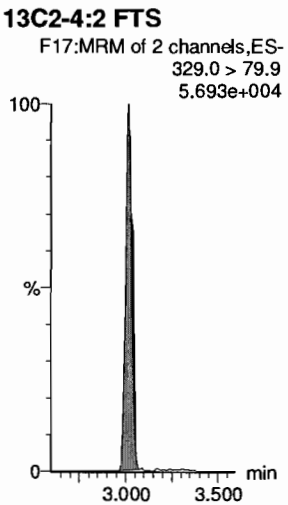

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

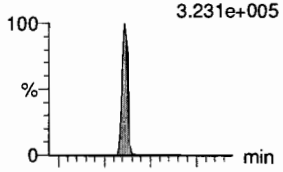


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

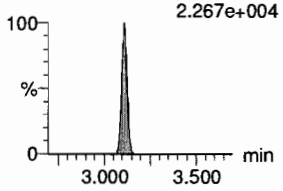
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

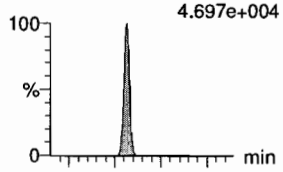
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
3.231e+005



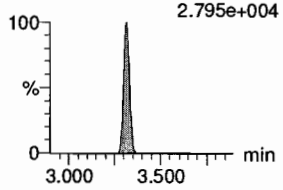

F13:MRM of 2 channels,ES-
313 > 118.9
2.267e+004



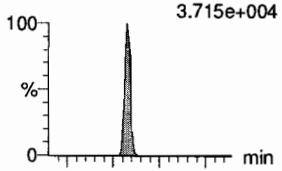

**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
4.697e+004



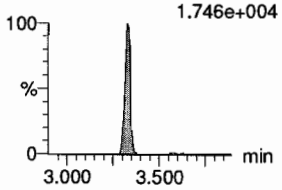

F19:MRM of 2 channels,ES-
349.1 > 99
2.795e+004



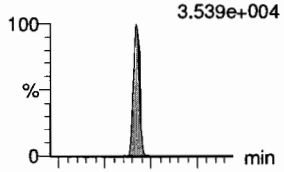

**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
3.715e+004



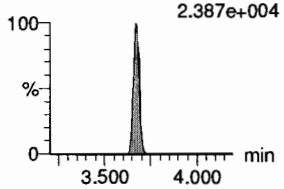

F9:MRM of 3 channels,ES-
285.1 > 184.9
1.746e+004



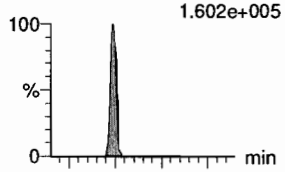

**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
3.539e+004



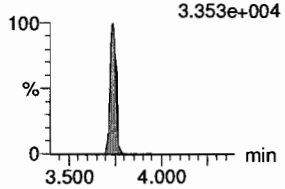

F18:MRM of 2 channels,ES-
340.9 > 216.9
2.387e+004



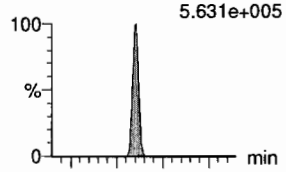

**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
1.602e+005



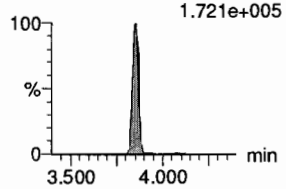

F20:MRM of 2 channels,ES-
363.0 > 169.0
3.353e+004



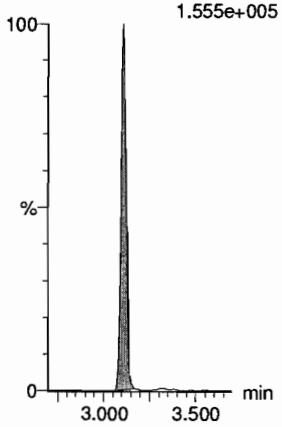

**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
5.631e+005



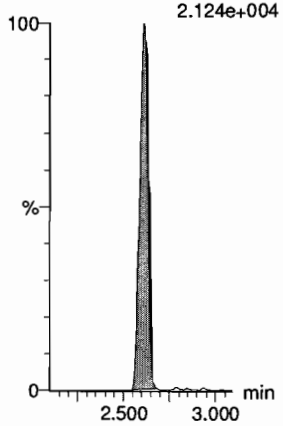

F22:MRM of 2 channels,ES-
376.8 > 85.0
1.721e+005



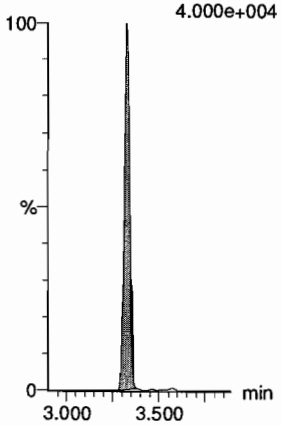

**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.555e+005



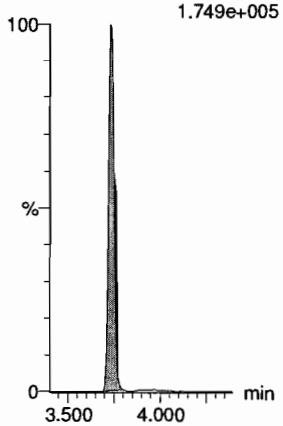

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.124e+004



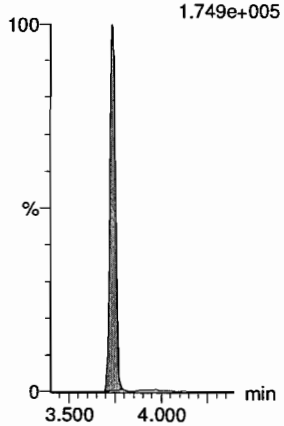

**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
4.000e+004



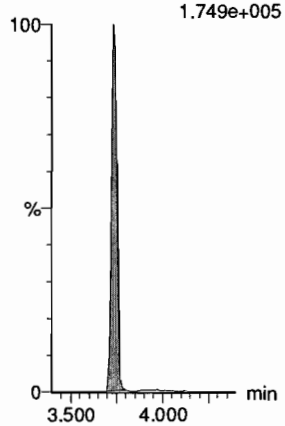

**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.749e+005




**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.749e+005




**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.749e+005

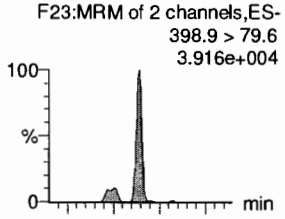


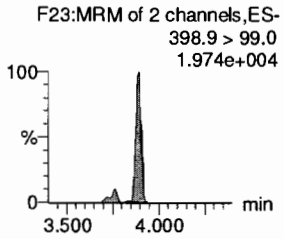
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

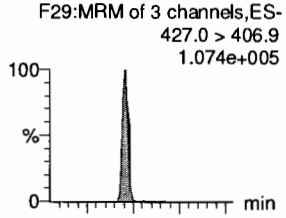
**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

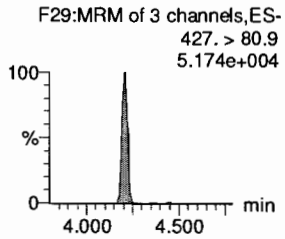
**L-PFHxS**



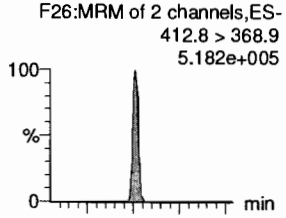



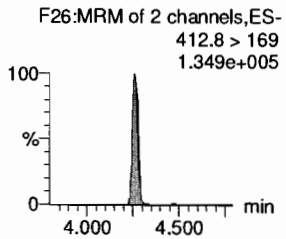

**6:2 FTS**



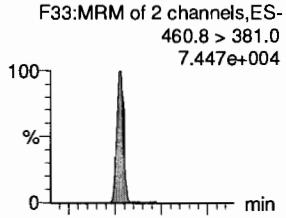



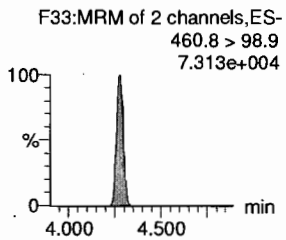

**L-PFOA**



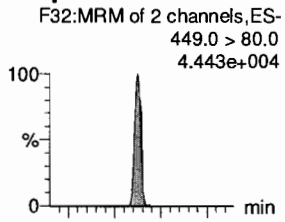



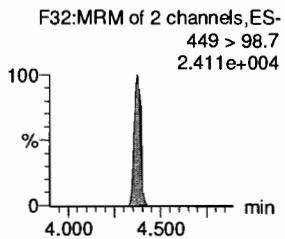

**PFEChS**



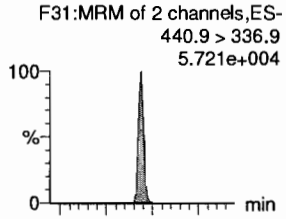



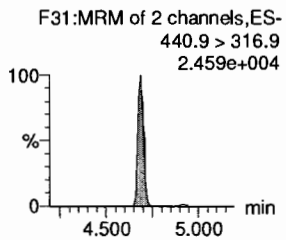

**PFHpS**



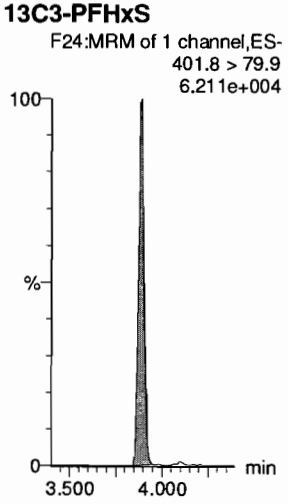




**7:3 FTCA**

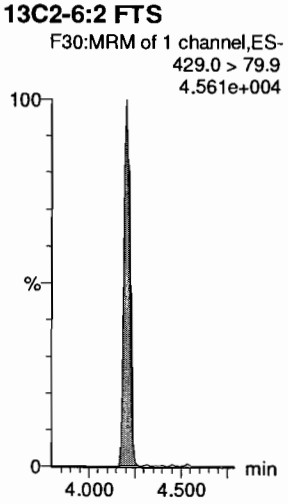


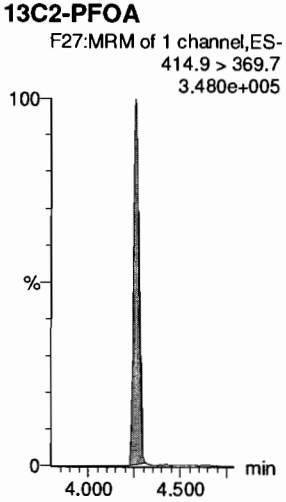

**13C3-PFHxS**



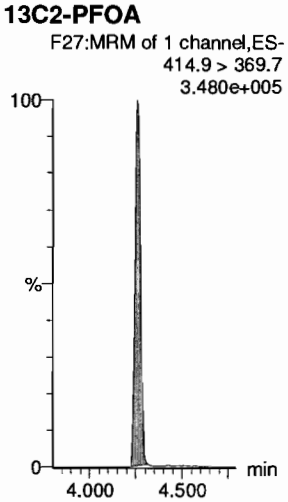

**13C2-6:2 FTS**



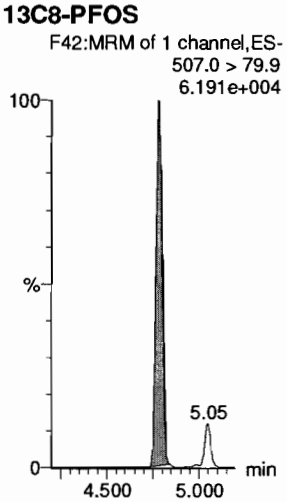

**13C2-PFOA**



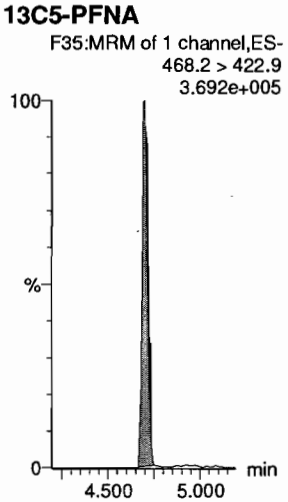

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

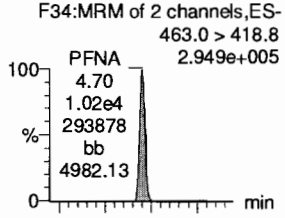


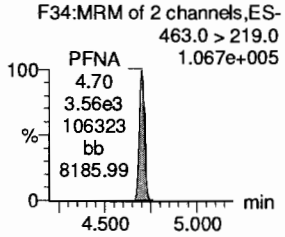
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

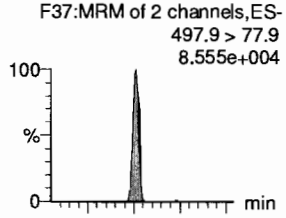
**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

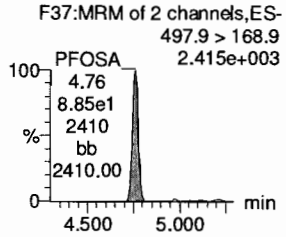
**PFNA**



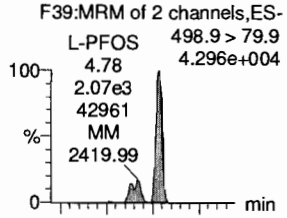



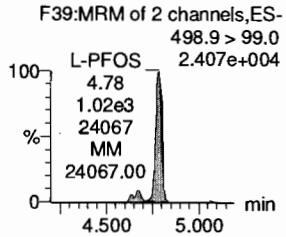

**PFOSA**



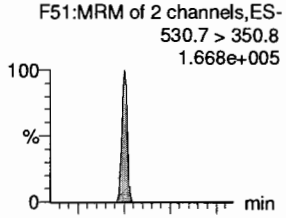



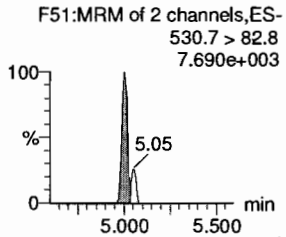

**L-PFOS**



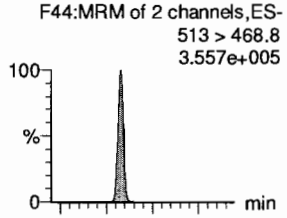



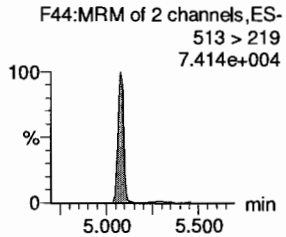

**9Cl-PF30NS**



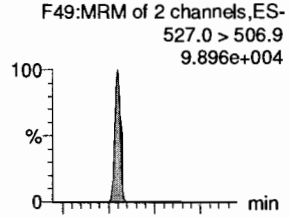



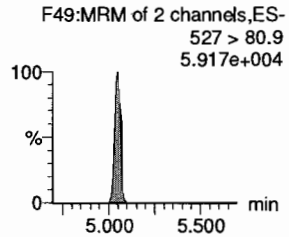

**PFDA**



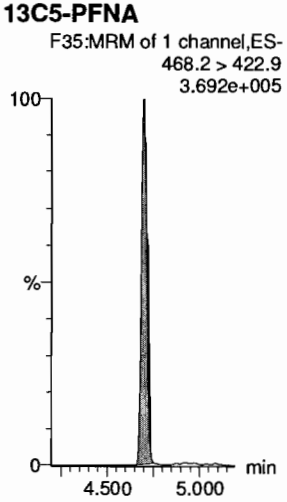




**8:2 FTS**

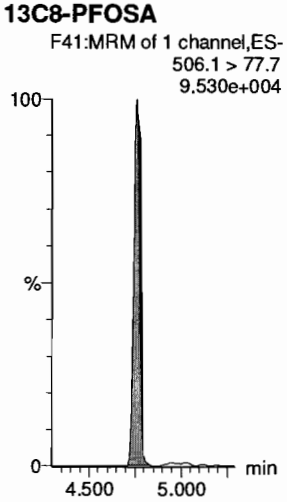


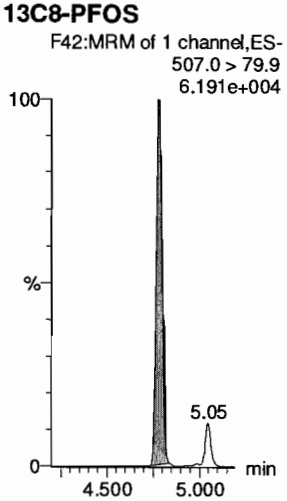

**13C5-PFNA**



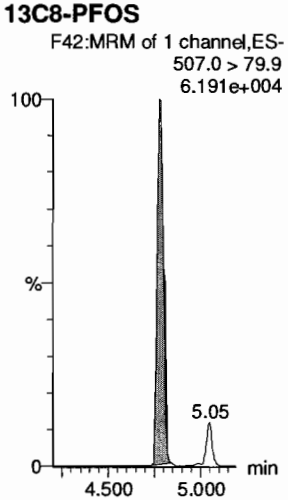

**13C8-PFOSA**



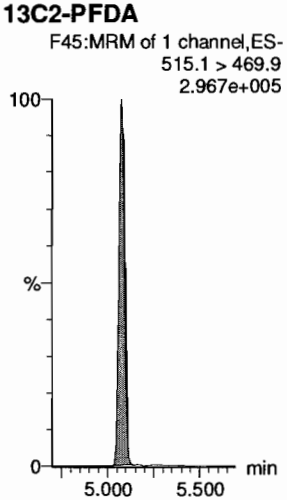

**13C8-PFOS**



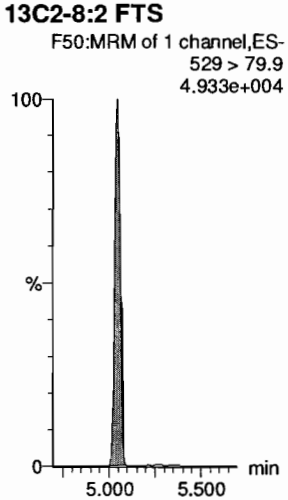

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

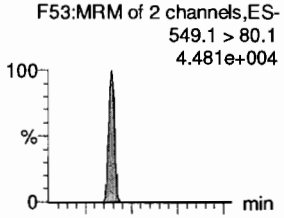


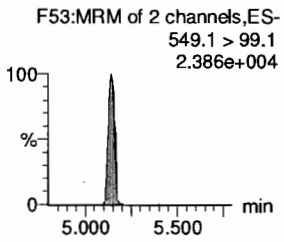
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

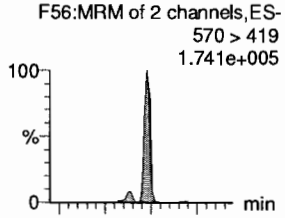
**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

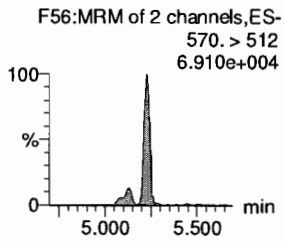
**PFNS**



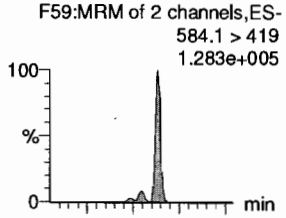



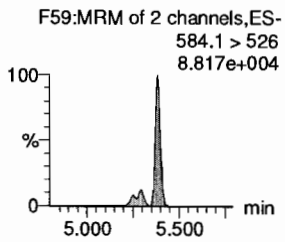

**L-MeFOSAA**



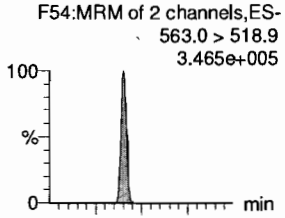



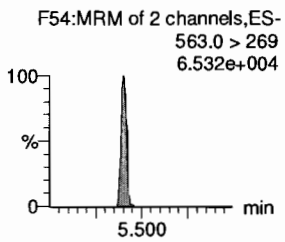

**L-EtFOSAA**



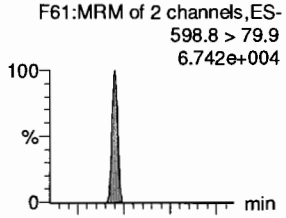



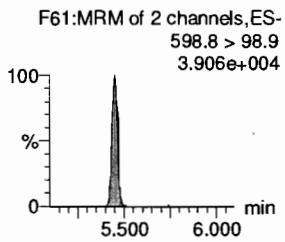

**PFUdA**



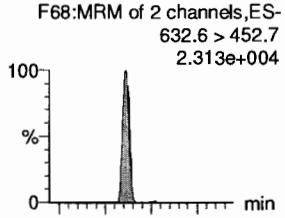



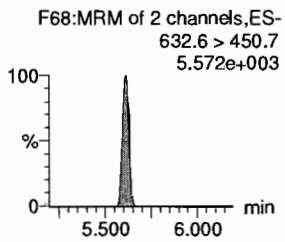

**PFDS**



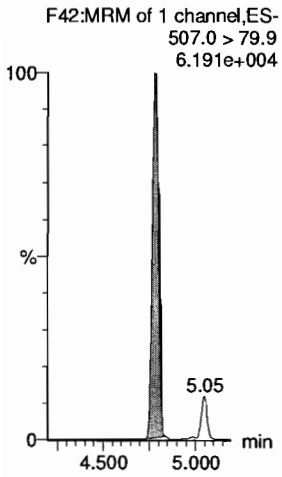




**11Cl-PF30UdS**

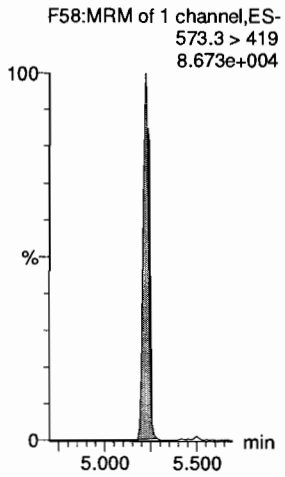


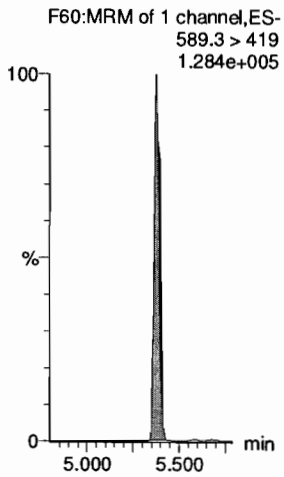

**13C8-PFOS**



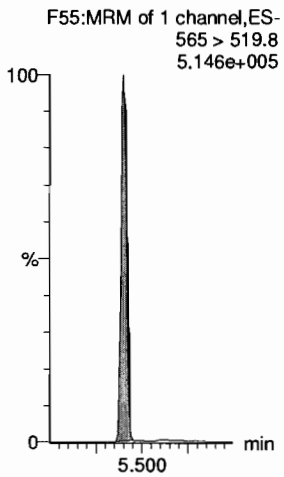

**d3-N-MeFOSAA**



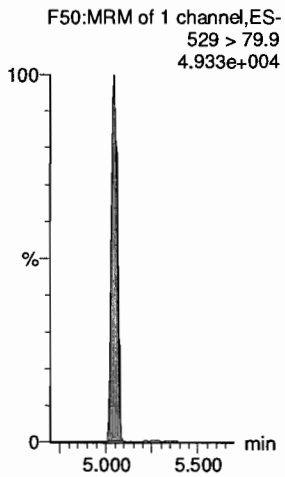

**d5-N-EtFOSAA**



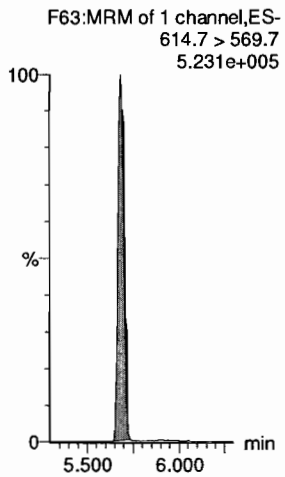

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**



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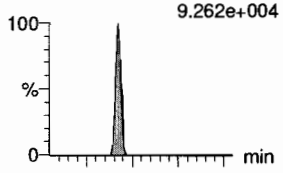
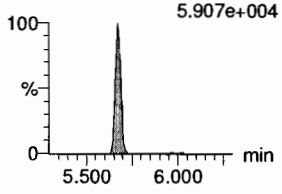
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

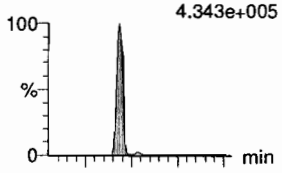
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
9.262e+004



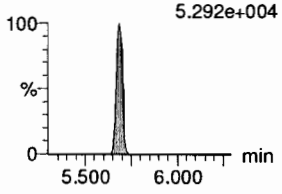
F66:MRM of 2 channels,ES-
627.0 > 80.9
5.907e+004



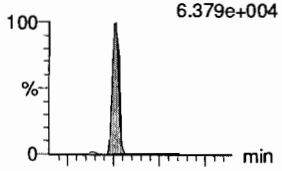
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
4.343e+005



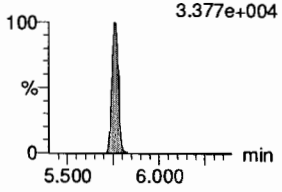
F62:MRM of 4 channels,ES-
612.9 > 318.8
5.292e+004



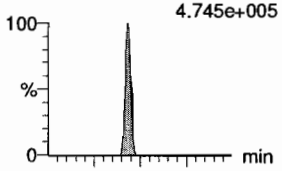
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
6.379e+004



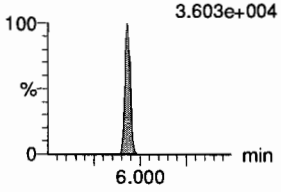
F43:MRM of 2 channels,ES-
512.1 > 219
3.377e+004



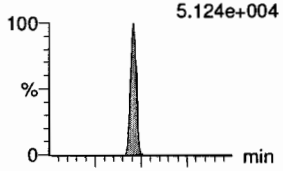
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
4.745e+005



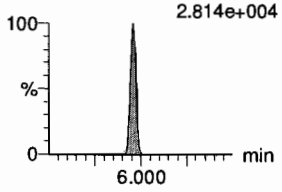
F70:MRM of 2 channels,ES-
662.9 > 319
3.603e+004



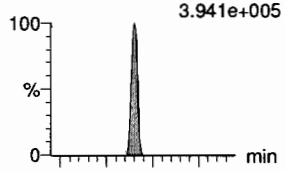
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
5.124e+004



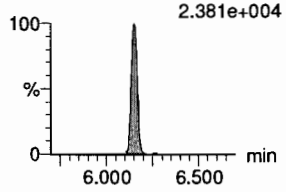
F71:MRM of 2 channels,ES-
698.8 > 98.9
2.814e+004



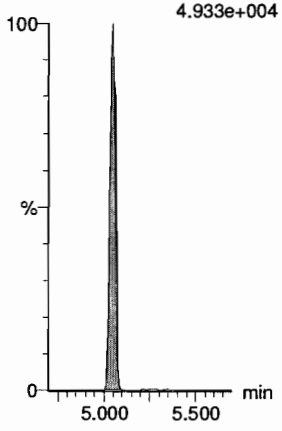
**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
3.941e+005



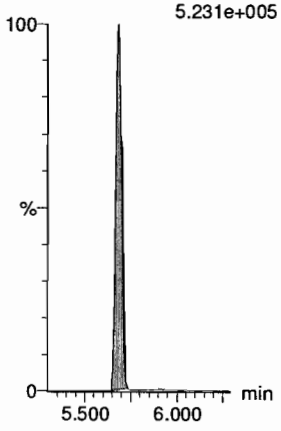
F72:MRM of 2 channels,ES-
713. > 369.0
2.381e+004



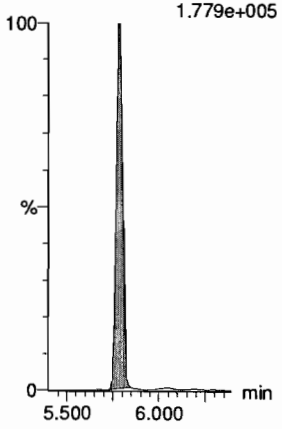
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.933e+004



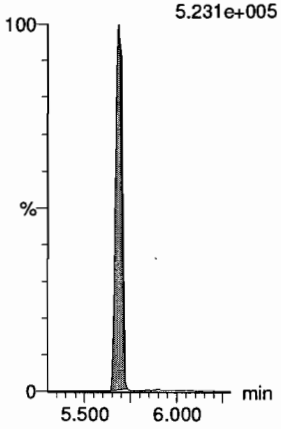
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.231e+005



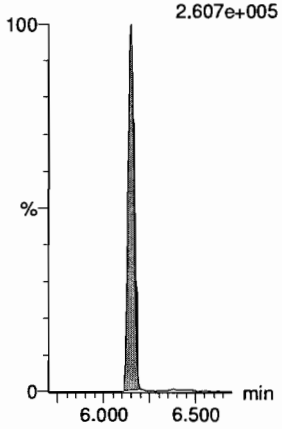
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.779e+005



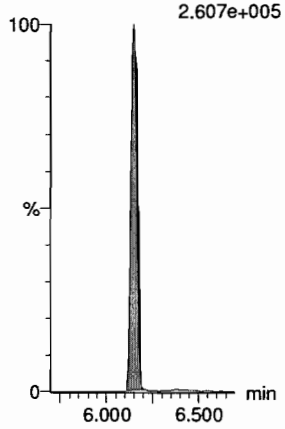
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.231e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.607e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.607e+005

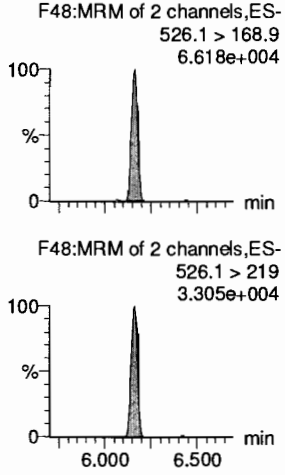


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

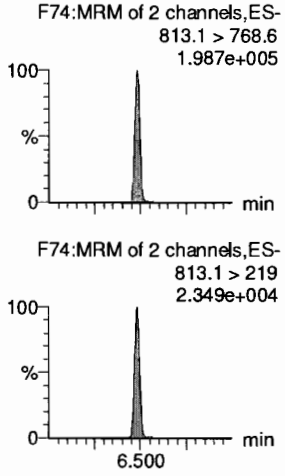
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

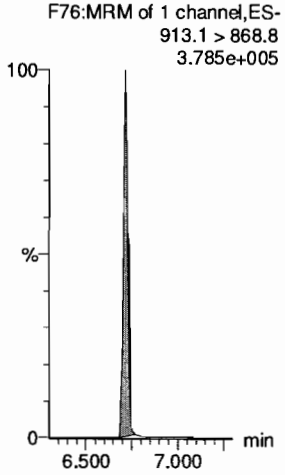
**N-EtFOSA**



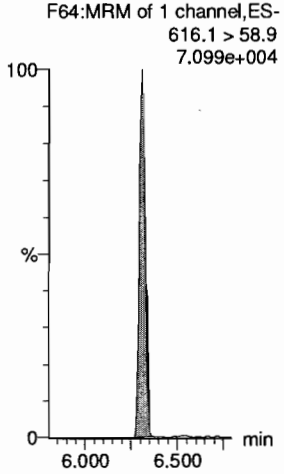

**PFHxDA**



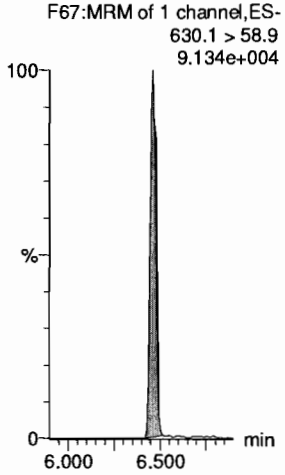

**PFODA**



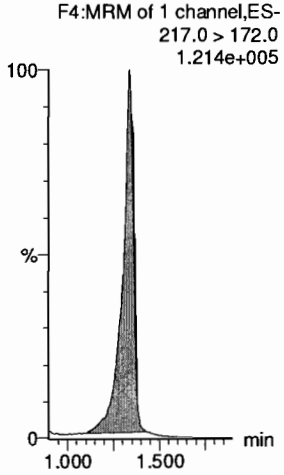

**N-MeFOSE**



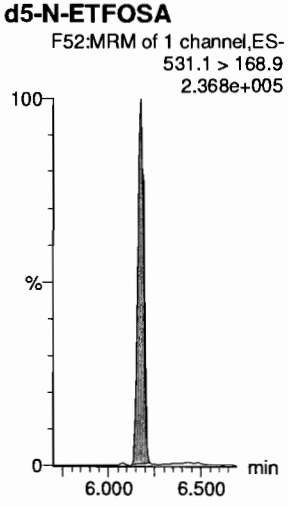

**N-EtFOSE**



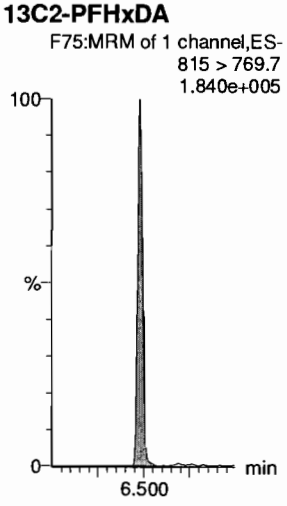

**13C4-PFBA**



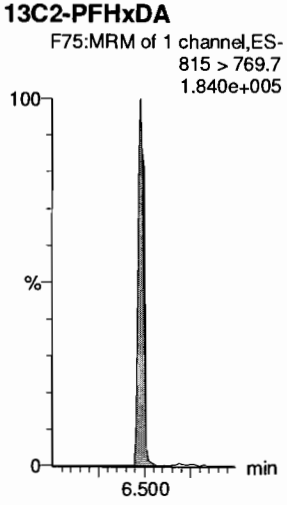

**d5-N-ETFOSA**



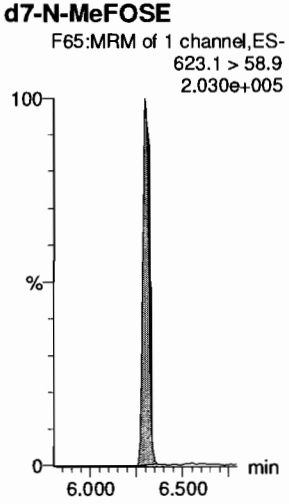

**13C2-PFHxDA**



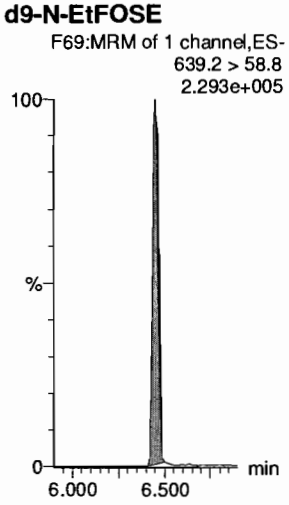

**13C2-PFHxDA**



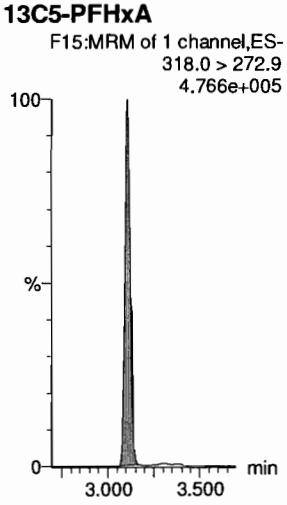

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

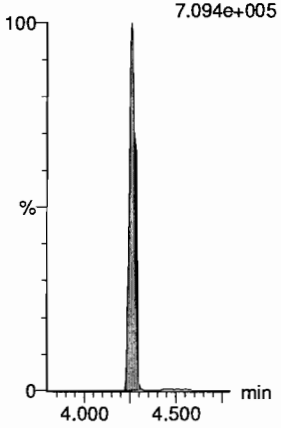


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

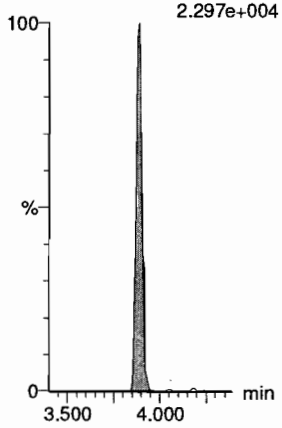
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_8, Date: 02-Aug-2019, Time: 13:40:16, ID: ST190802M2-6 PFC CS3 19G2306, Description: PFC CS3 19G2006**

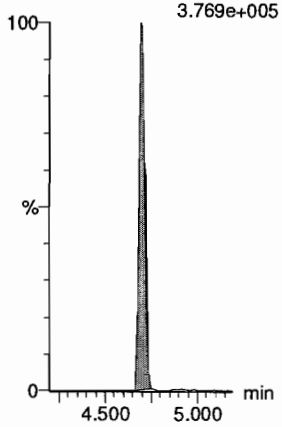
**13C8-PFOA**



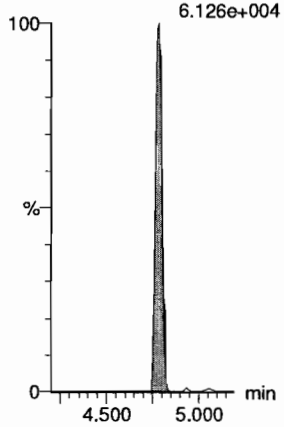

**18O2-PFHxS**



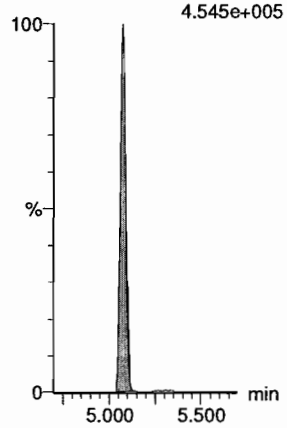

**13C9-PFNA**



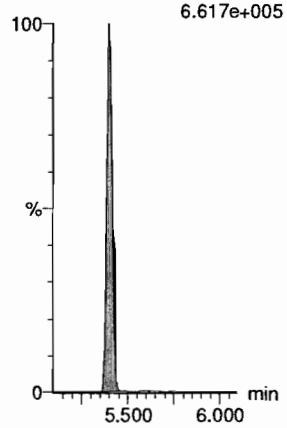

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

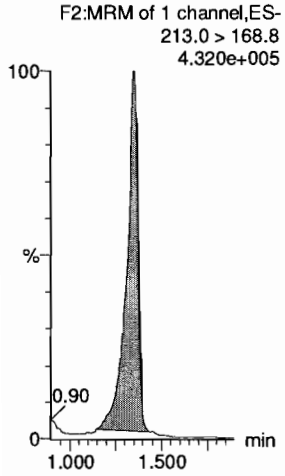


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

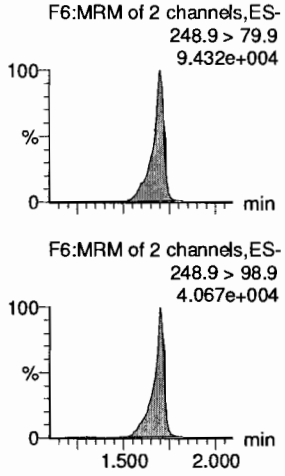
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

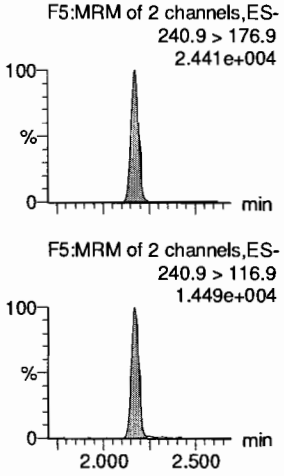
**PFBA**



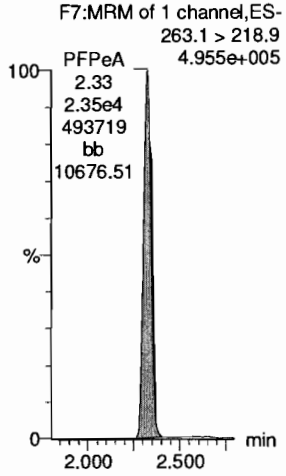

**PFPrS**



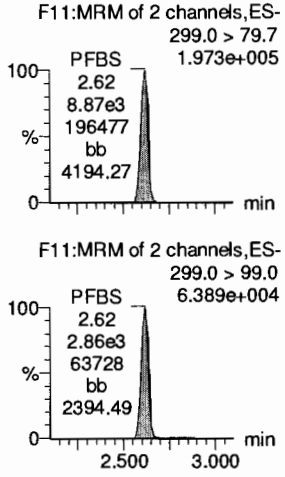

**3:3 FTCA**



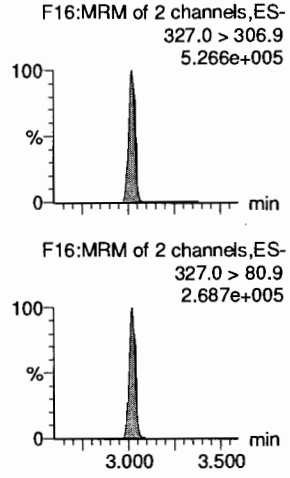

**PFPeA**



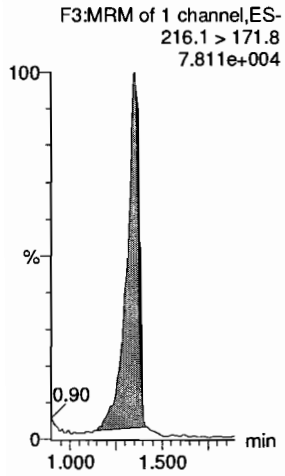

**PFBS**



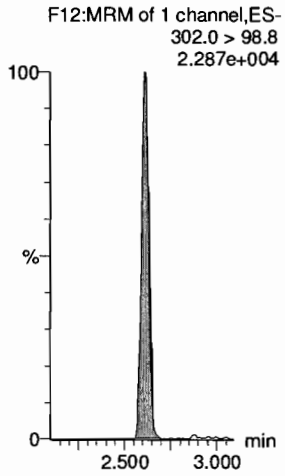

**4:2 FTS**



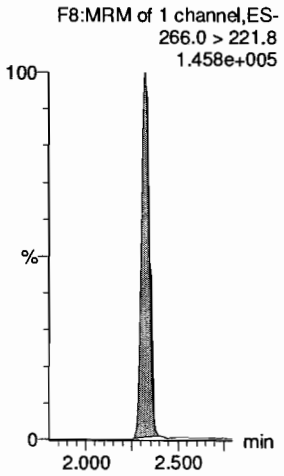

**13C3-PFBA**



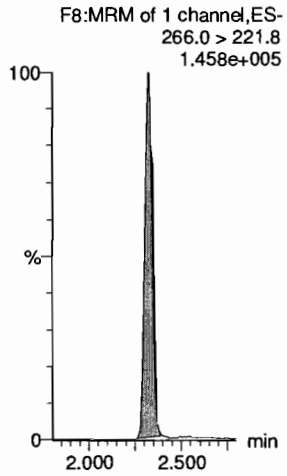

**13C3-PFBS**



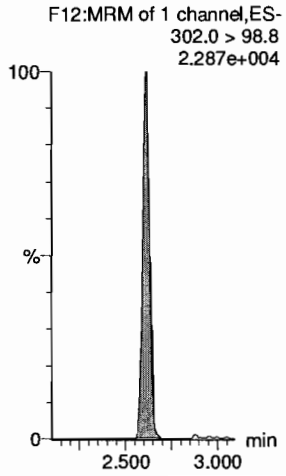

**13C3-PFPeA**



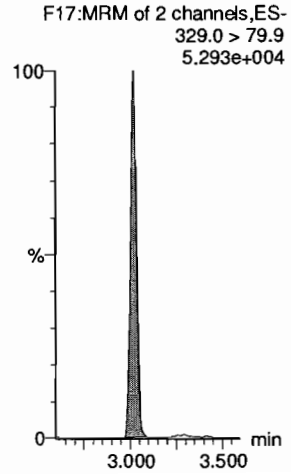

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

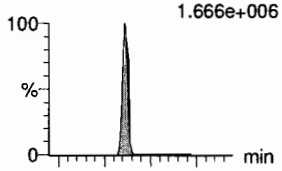


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

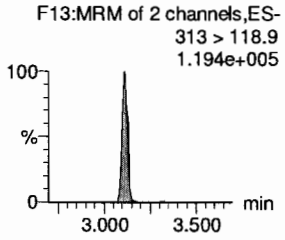
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

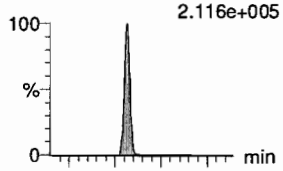
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
1.666e+006



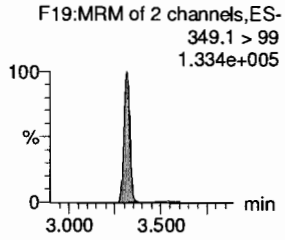
F13:MRM of 2 channels,ES-
313 > 118.9
1.194e+005



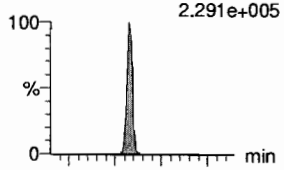
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
2.116e+005



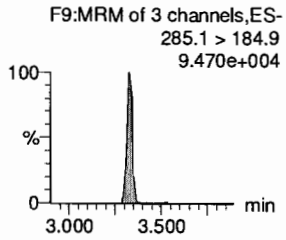
F19:MRM of 2 channels,ES-
349.1 > 99
1.334e+005



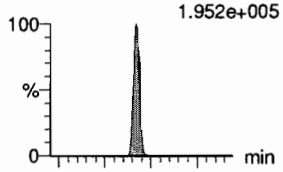
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
2.291e+005



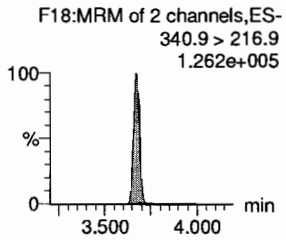
F9:MRM of 3 channels,ES-
285.1 > 184.9
9.470e+004



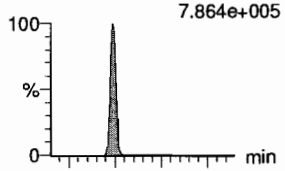
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
1.952e+005



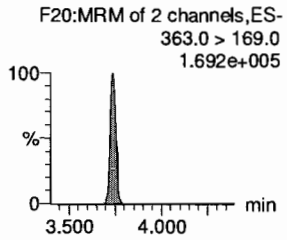
F18:MRM of 2 channels,ES-
340.9 > 216.9
1.262e+005



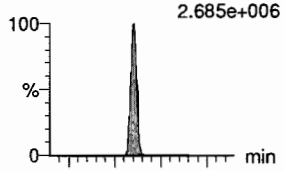
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
7.864e+005



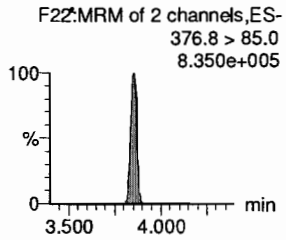
F20:MRM of 2 channels,ES-
363.0 > 169.0
1.692e+005



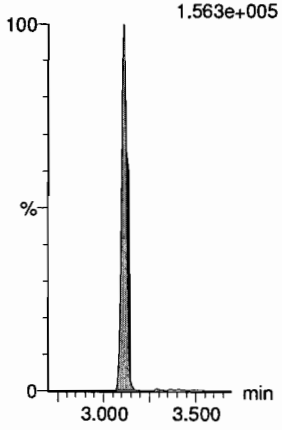
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
2.685e+006



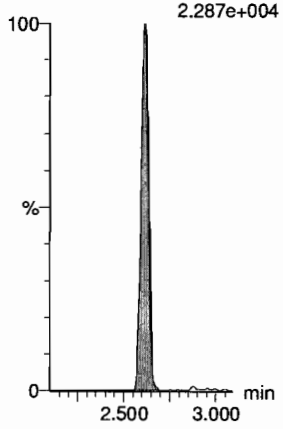
F22:MRM of 2 channels,ES-
376.8 > 85.0
8.350e+005



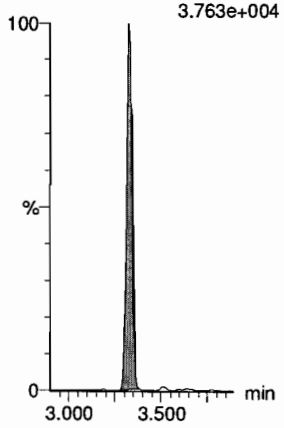
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.563e+005



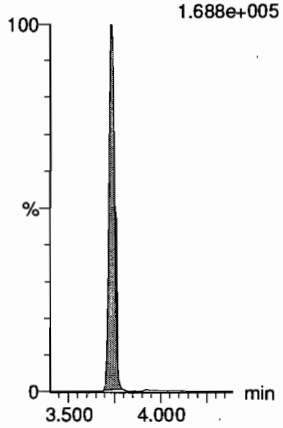
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.287e+004



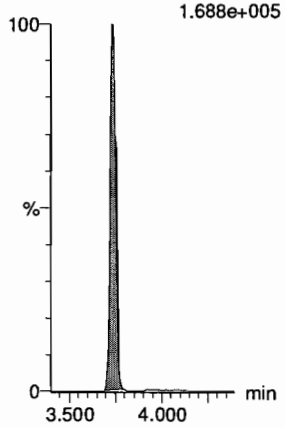
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
3.763e+004



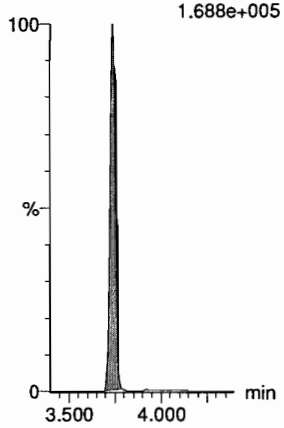
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.688e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.688e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.688e+005

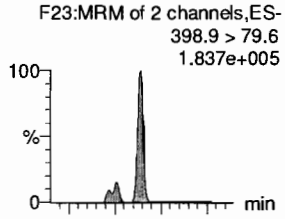


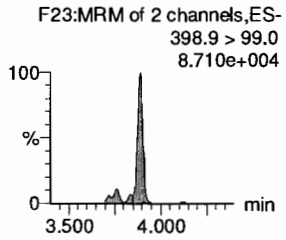
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

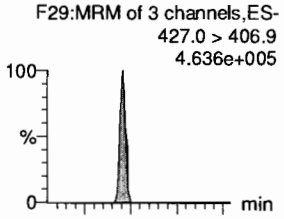
**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

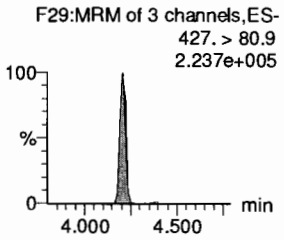
**L-PFHxS**



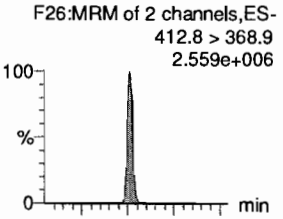



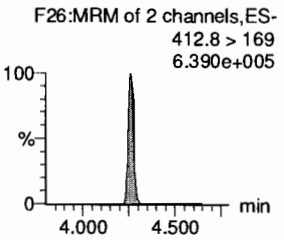

**6:2 FTS**



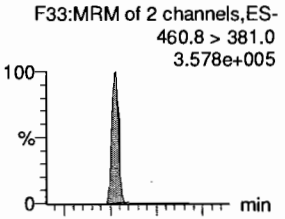



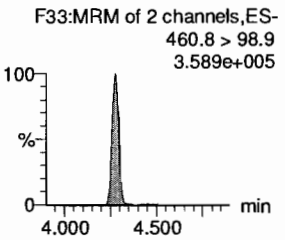

**L-PFOA**



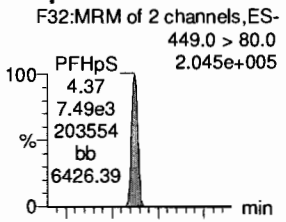



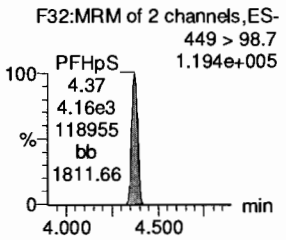

**PFEChS**



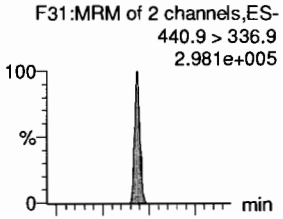



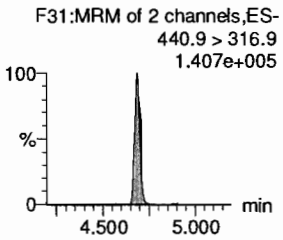

**PFHpS**



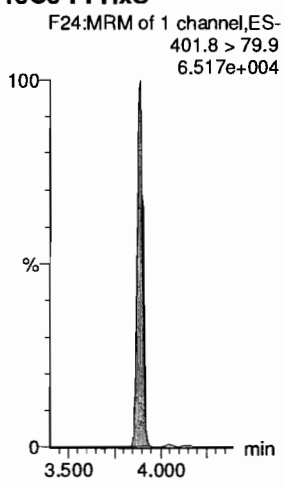




**7:3 FTCA**

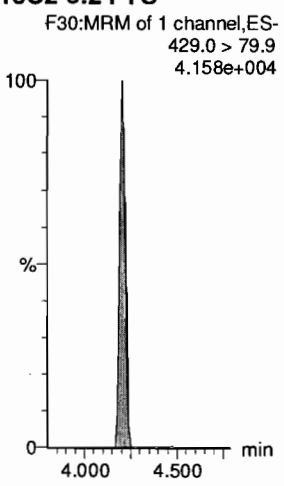


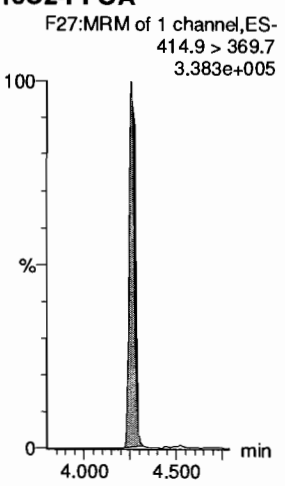

**13C3-PFHxS**



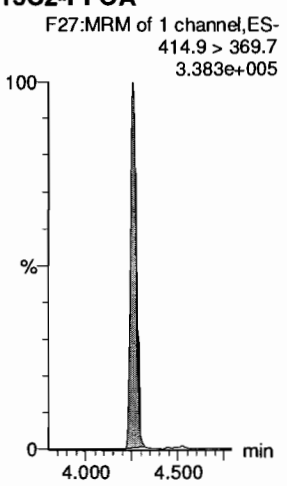

**13C2-6:2 FTS**



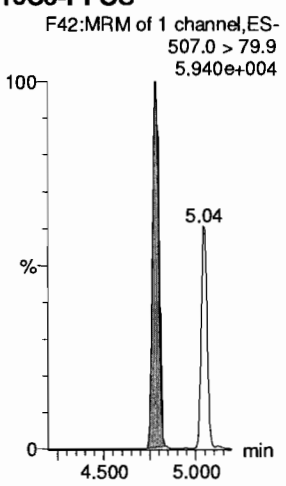

**13C2-PFOA**



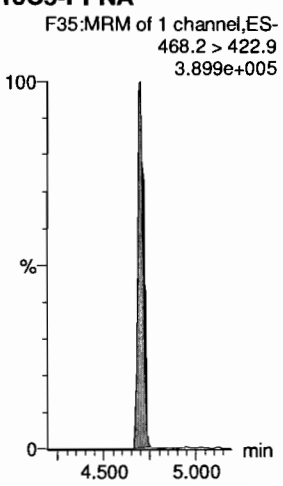

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



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Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

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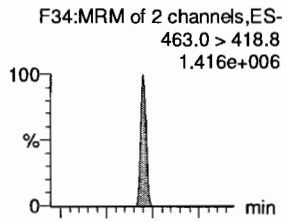
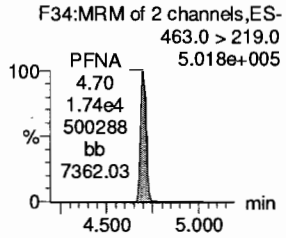
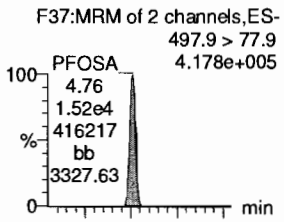
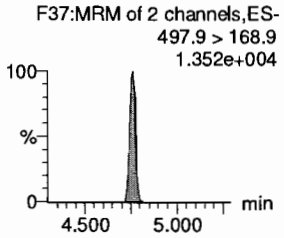


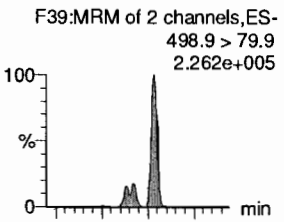



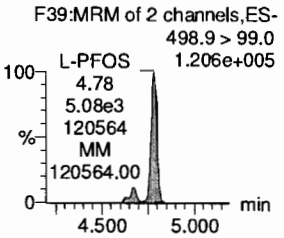

**PFOSA**



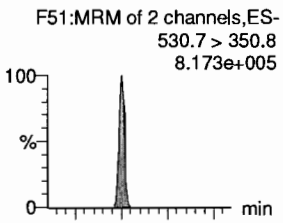



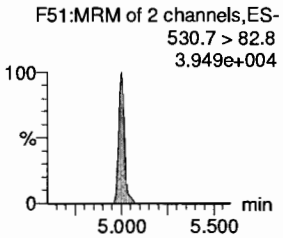

**L-PFOS**




**9Cl-PF30NS**

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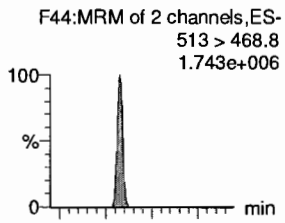
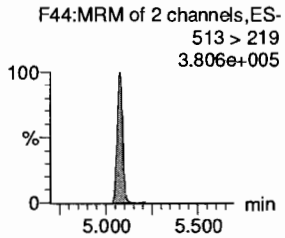
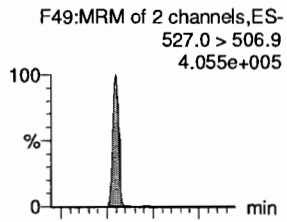
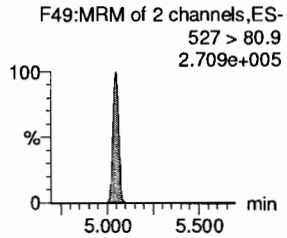


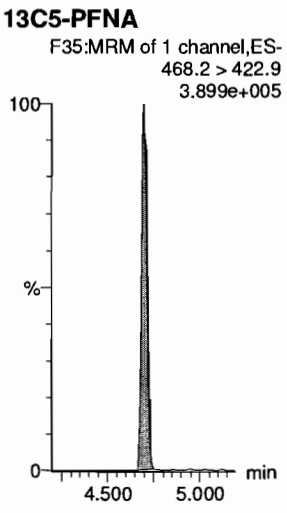




**8:2 FTS**

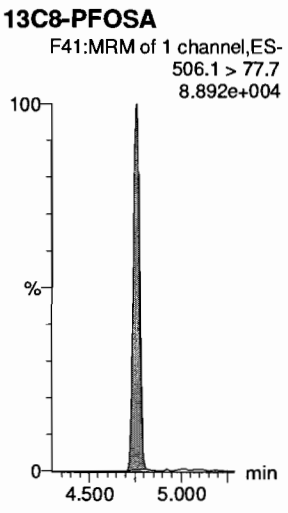


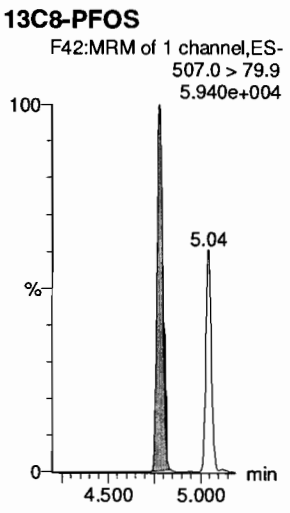

**13C5-PFNA**



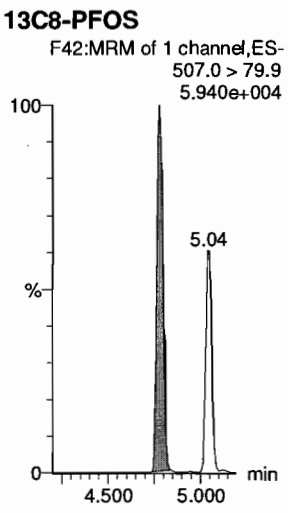

**13C8-PFOSA**



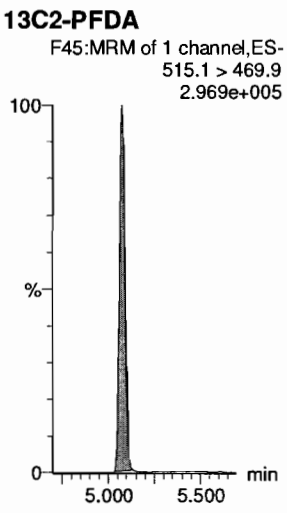

**13C8-PFOS**



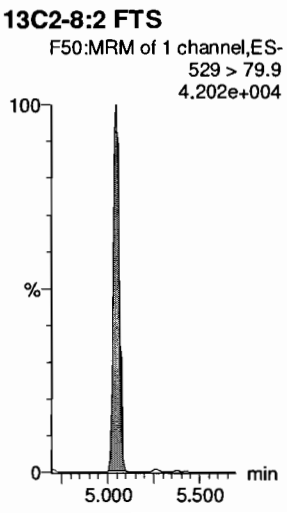

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

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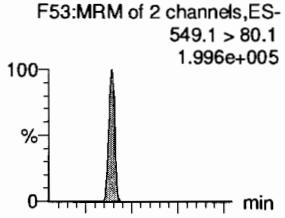
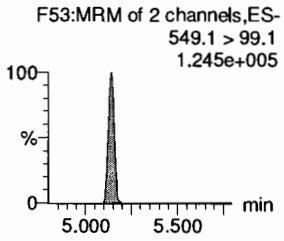
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

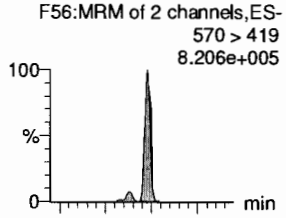
**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

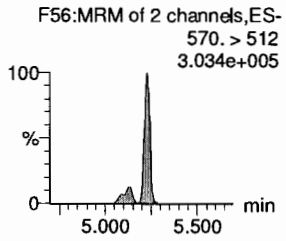
**PFNS**



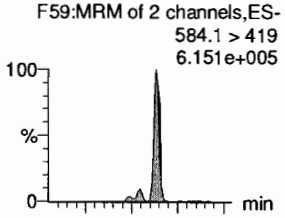



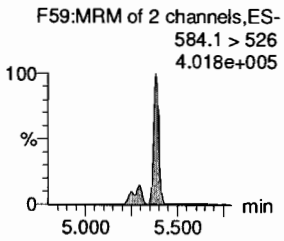

**L-MeFOSAA**




**L-EtFOSAA**

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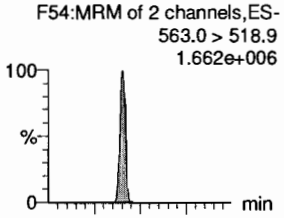
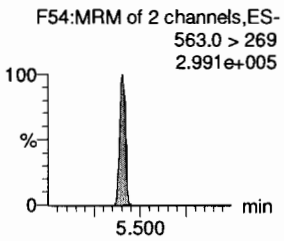
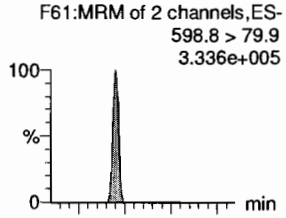
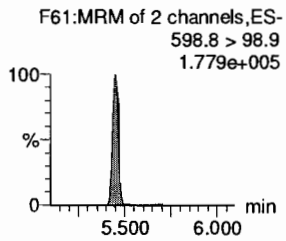


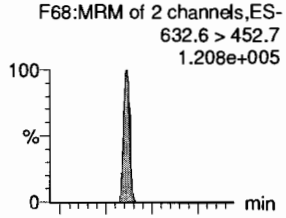



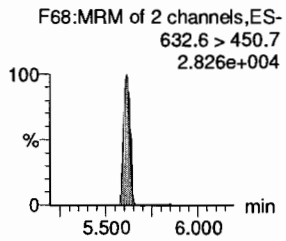

**PFDS**



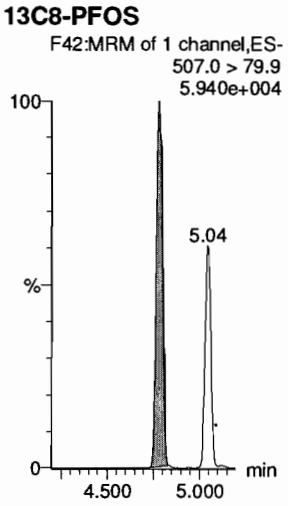




**11Cl-PF30UdS**

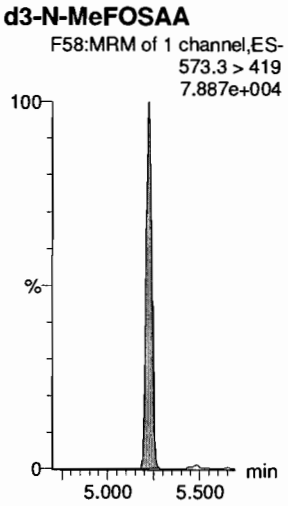


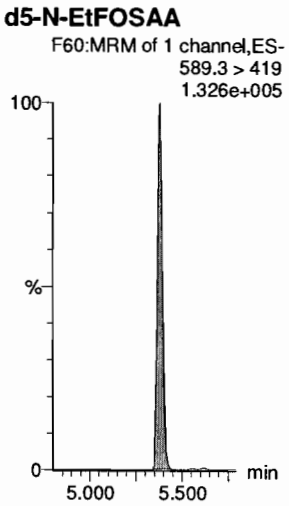

**13C8-PFOS**



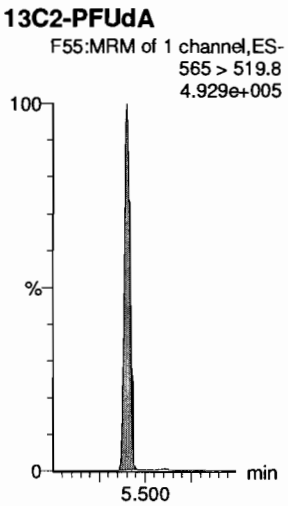

**d3-N-MeFOSAA**



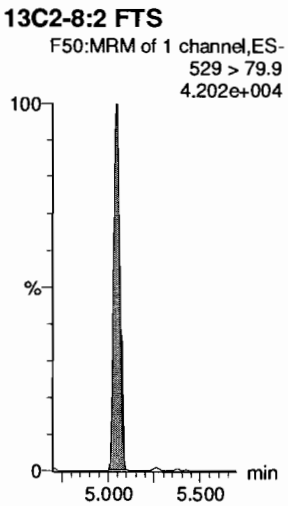

**d5-N-EtFOSAA**



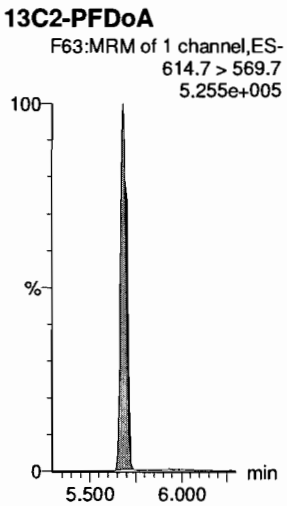

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

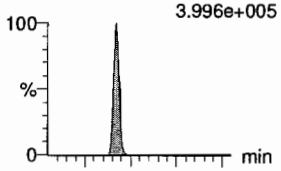


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

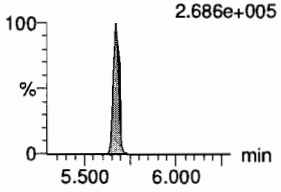
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

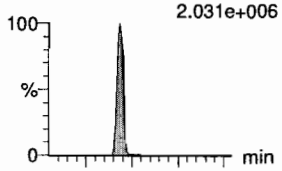
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
3.996e+005



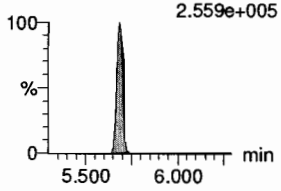
F66:MRM of 2 channels,ES-
627.0 > 80.9
2.686e+005



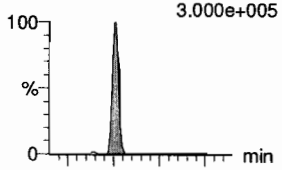
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
2.031e+006



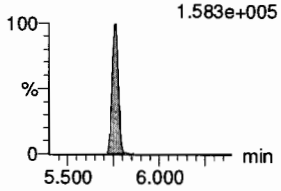
F62:MRM of 4 channels,ES-
612.9 > 318.8
2.559e+005



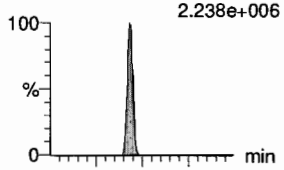
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
3.000e+005



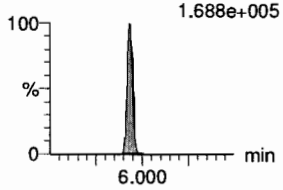
F43:MRM of 2 channels,ES-
512.1 > 219
1.583e+005



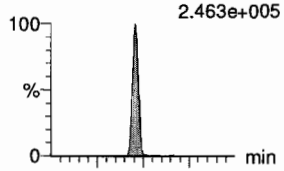
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
2.238e+006



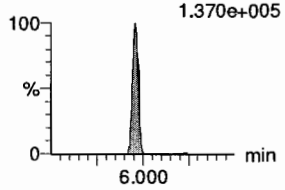
F70:MRM of 2 channels,ES-
662.9 > 319
1.688e+005



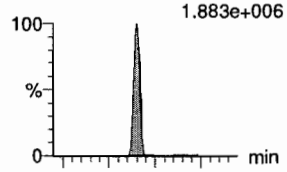
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
2.463e+005



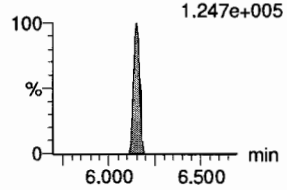
F71:MRM of 2 channels,ES-
698.8 > 98.9
1.370e+005



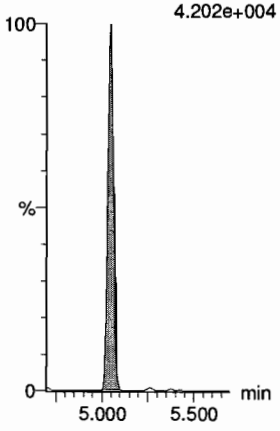
**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
1.883e+006



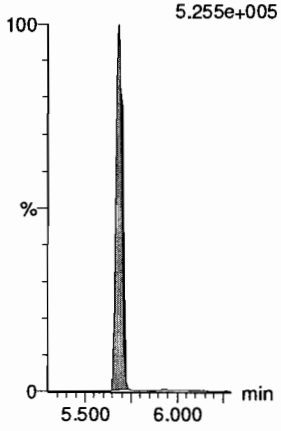
F72:MRM of 2 channels,ES-
713. > 369.0
1.247e+005



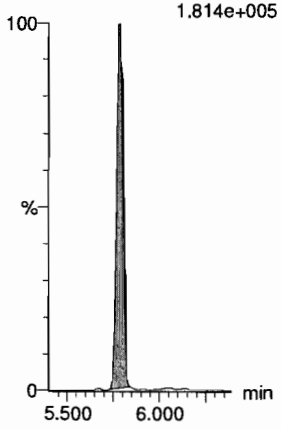
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.202e+004



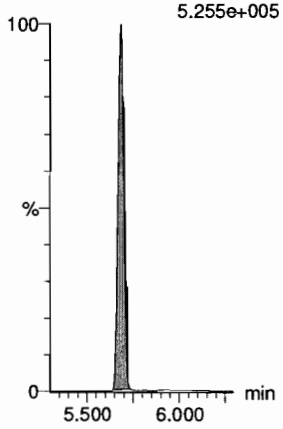
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.255e+005



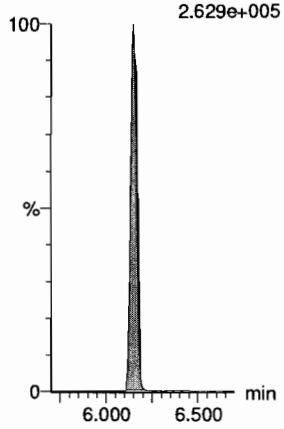
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.814e+005



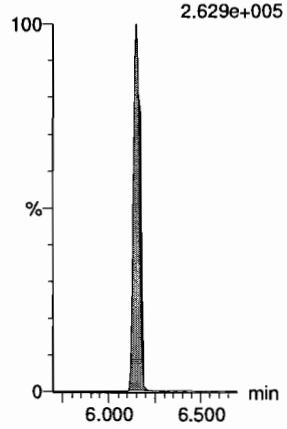
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.255e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.629e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.629e+005

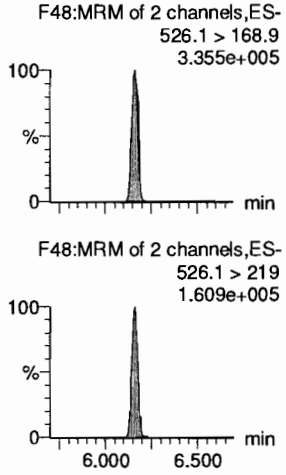


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

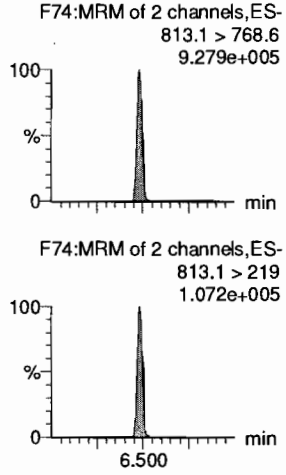
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

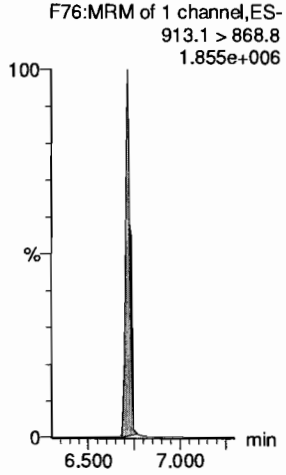
**N-EtFOSA**



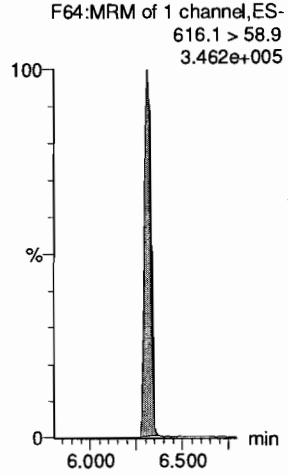

**PFHxDA**



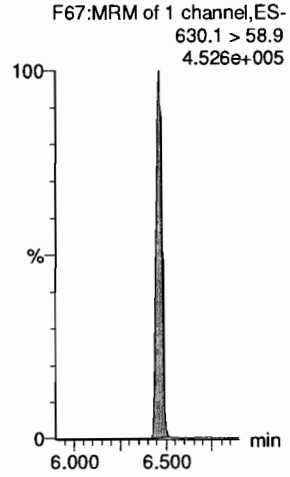

**PFODA**



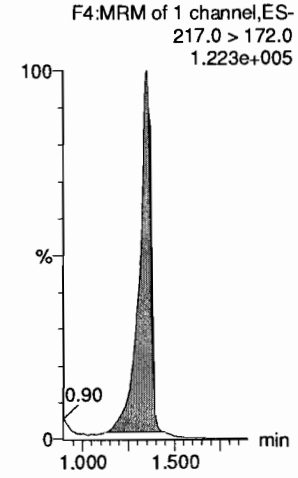

**N-MeFOSE**



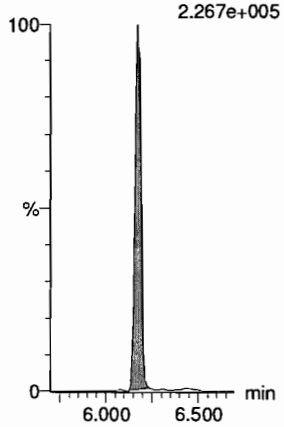

**N-EtFOSE**



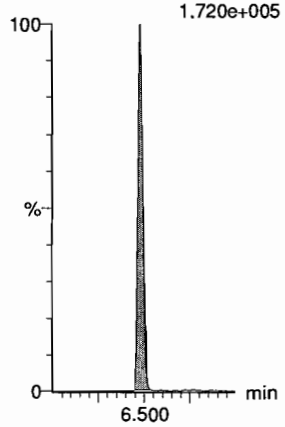

**13C4-PFBA**



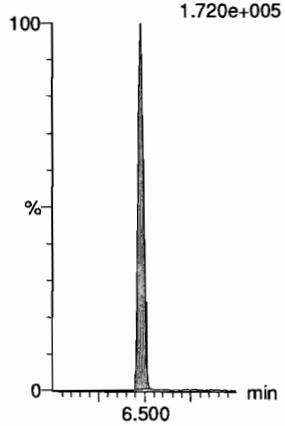

**d5-N-ETFOSA**



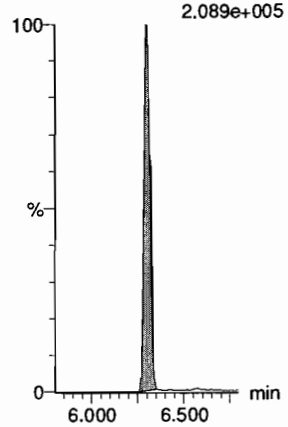

**13C2-PFHxDA**



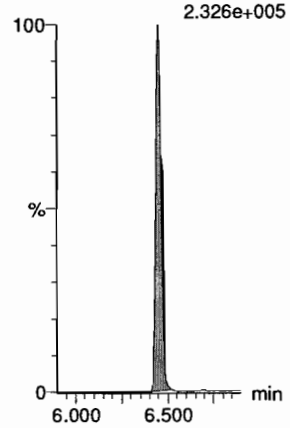

**13C2-PFHxDA**



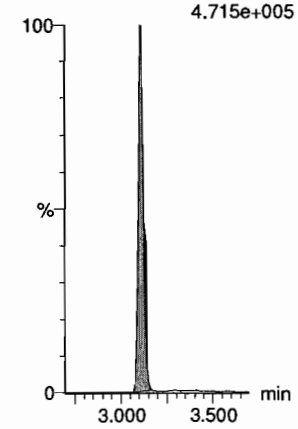

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

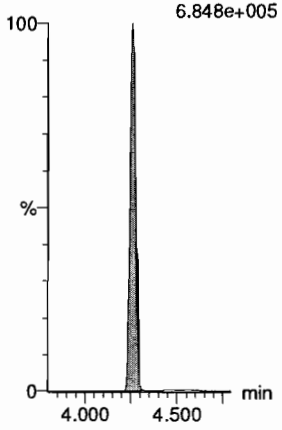


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

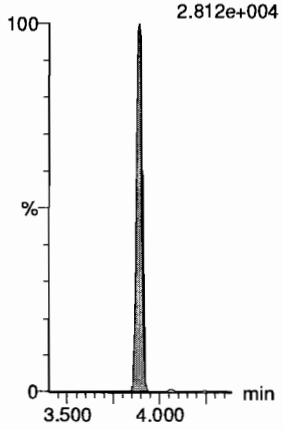
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_9, Date: 02-Aug-2019, Time: 13:50:49, ID: ST190802M2-7 PFC CS4 19G2307, Description: PFC CS4 19G2007**

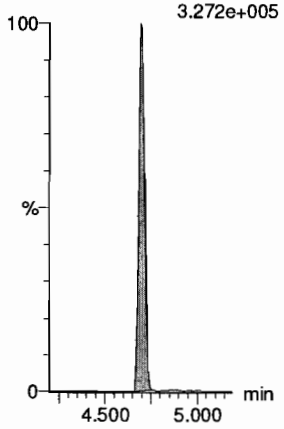
**13C8-PFOA**



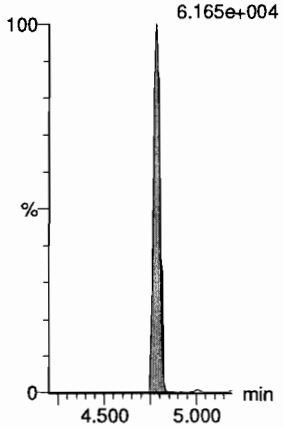

**18O2-PFHxS**



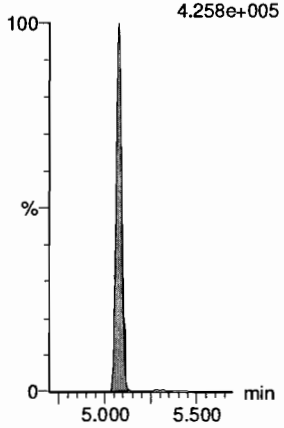

**13C9-PFNA**



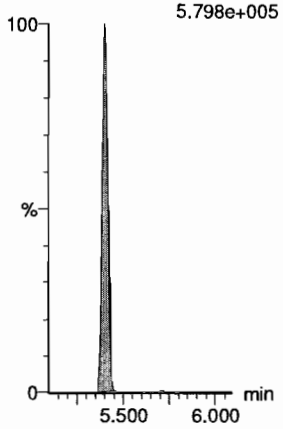

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

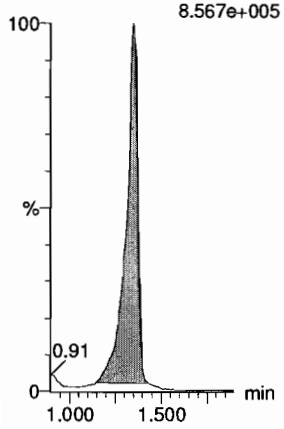


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

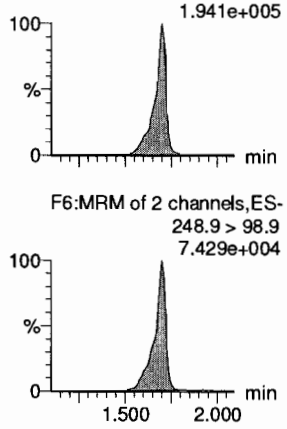
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

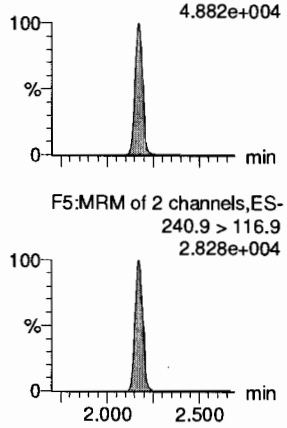
**PFBA**



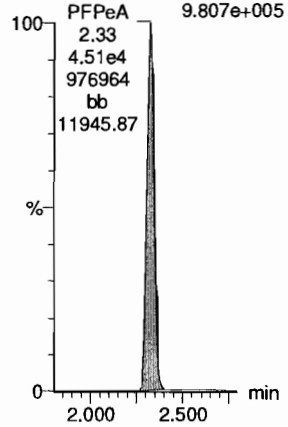

**PFPrS**



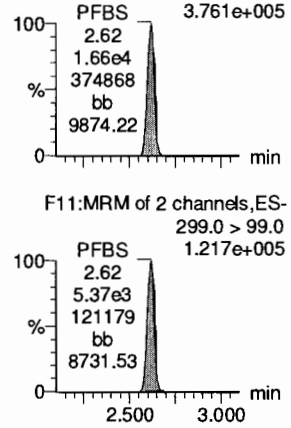

**3:3 FTCA**



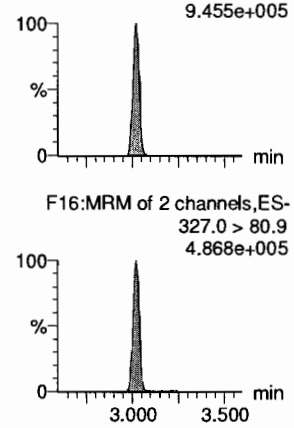

**PFPeA**



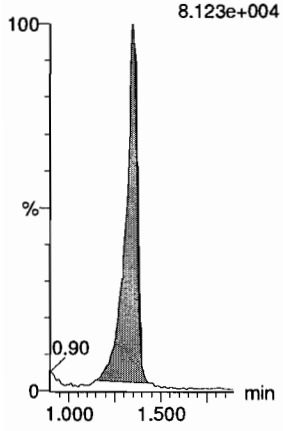

**PFBS**



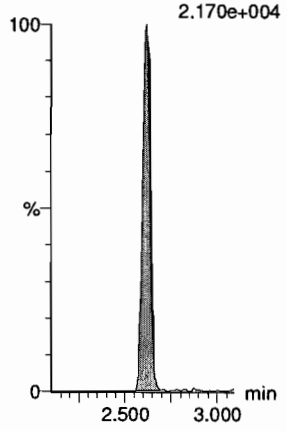

**4:2 FTS**



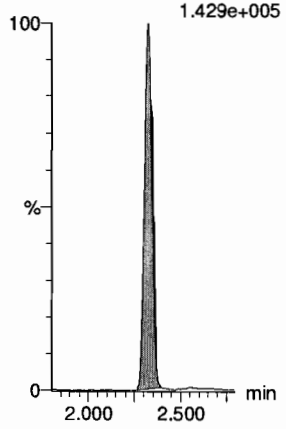

**13C3-PFBA**



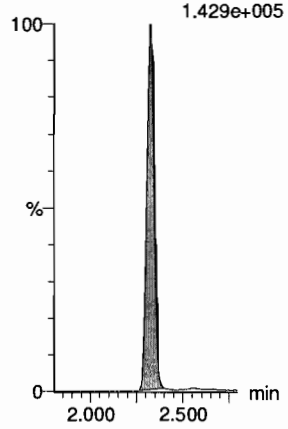

**13C3-PFBS**



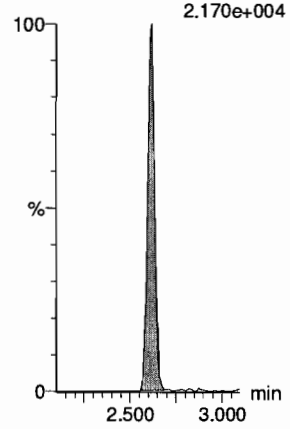

**13C3-PFPeA**



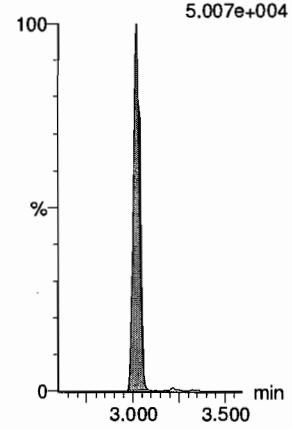

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

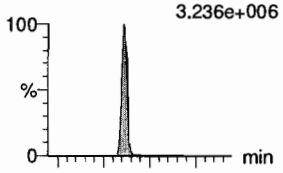


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

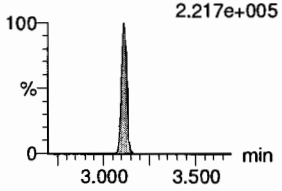
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

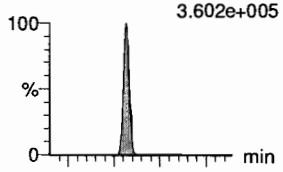
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
3.236e+006



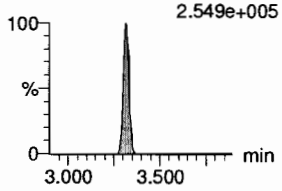
F13:MRM of 2 channels,ES-
313 > 118.9
2.217e+005



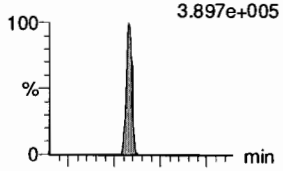
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
3.602e+005



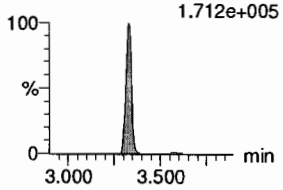
F19:MRM of 2 channels,ES-
349.1 > 99
2.549e+005



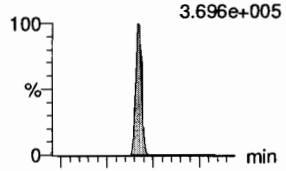
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
3.897e+005



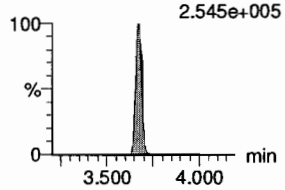
F9:MRM of 3 channels,ES-
285.1 > 184.9
1.712e+005



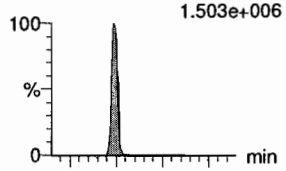
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
3.696e+005



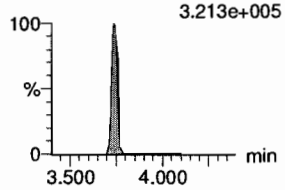
F18:MRM of 2 channels,ES-
340.9 > 216.9
2.545e+005



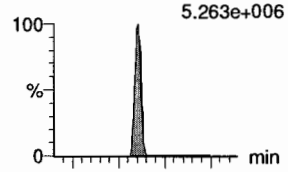
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
1.503e+006



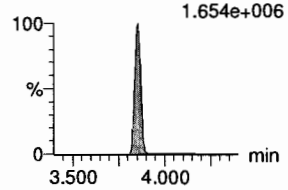
F20:MRM of 2 channels,ES-
363.0 > 169.0
3.213e+005



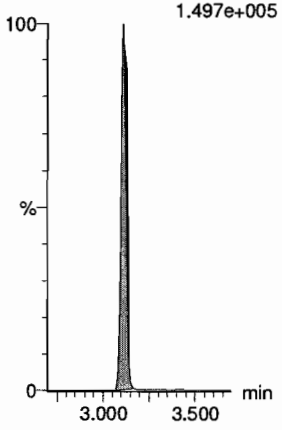
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
5.263e+006



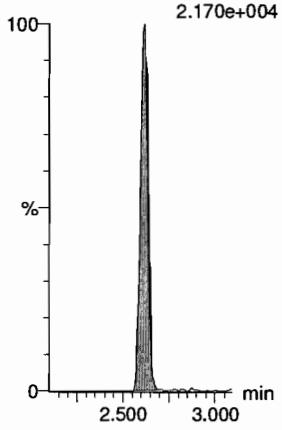
F22:MRM of 2 channels,ES-
376.8 > 85.0
1.654e+006



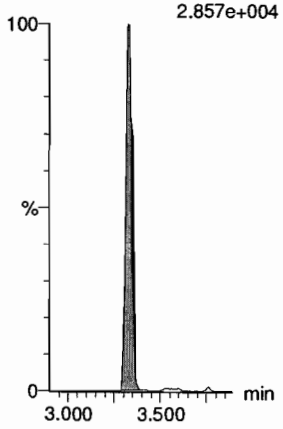
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.497e+005



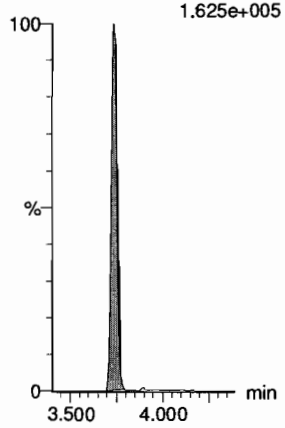
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.170e+004



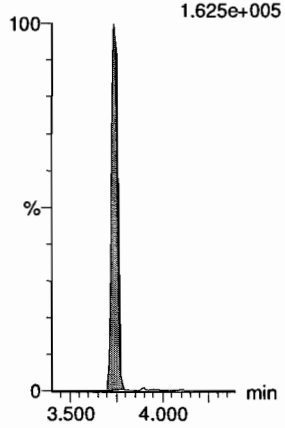
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
2.857e+004



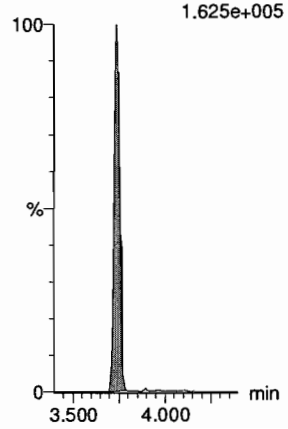
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.625e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.625e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.625e+005

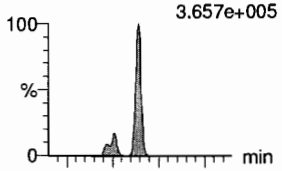


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

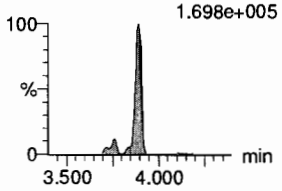
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

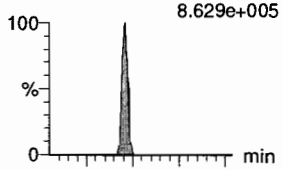
**L-PFHxS**
F23:MRM of 2 channels,ES-
398.9 > 79.6
3.657e+005



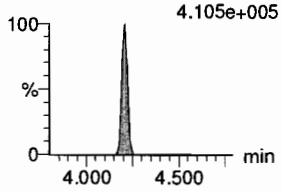
F23:MRM of 2 channels,ES-
398.9 > 99.0
1.698e+005



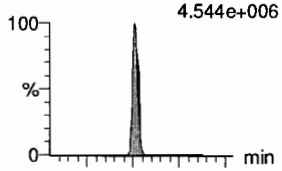
**6:2 FTS**
F29:MRM of 3 channels,ES-
427.0 > 406.9
8.629e+005



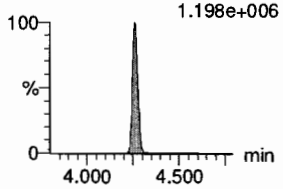
F29:MRM of 3 channels,ES-
427. > 80.9
4.105e+005



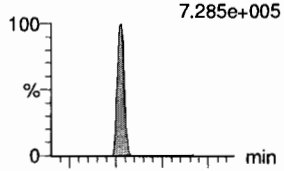
**L-PFOA**
F26:MRM of 2 channels,ES-
412.8 > 368.9
4.544e+006



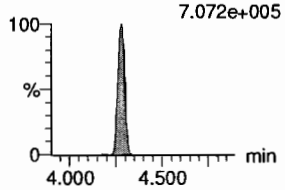
F26:MRM of 2 channels,ES-
412.8 > 169
1.198e+006



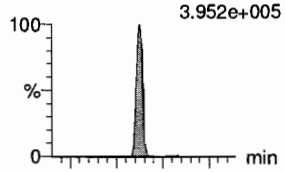
**PFEChS**
F33:MRM of 2 channels,ES-
460.8 > 381.0
7.285e+005



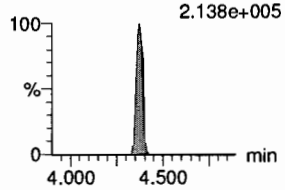
F33:MRM of 2 channels,ES-
460.8 > 98.9
7.072e+005



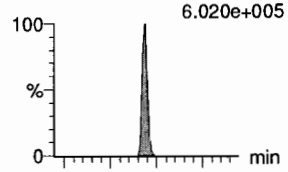
**PFHpS**
F32:MRM of 2 channels,ES-
449.0 > 80.0
3.952e+005



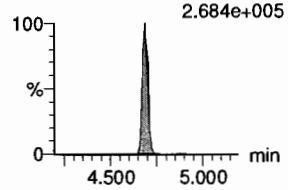
F32:MRM of 2 channels,ES-
449 > 98.7
2.138e+005



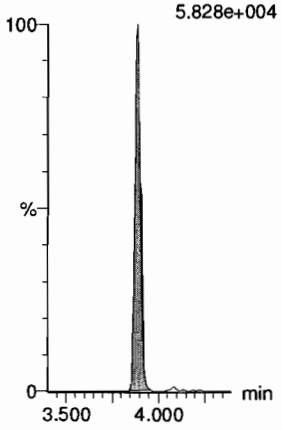
**7:3 FTCA**
F31:MRM of 2 channels,ES-
440.9 > 336.9
6.020e+005



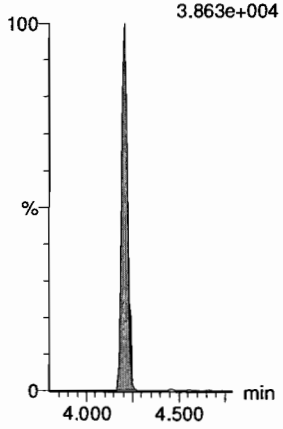
F31:MRM of 2 channels,ES-
440.9 > 316.9
2.684e+005



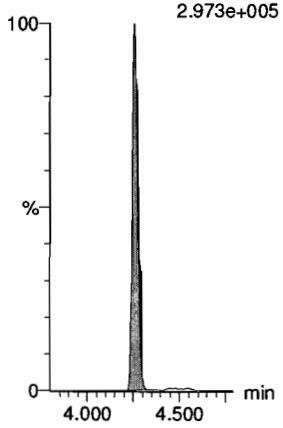
**13C3-PFHxS**
F24:MRM of 1 channel,ES-
401.8 > 79.9
5.828e+004



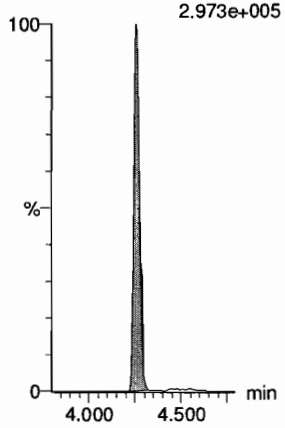
**13C2-6:2 FTS**
F30:MRM of 1 channel,ES-
429.0 > 79.9
3.863e+004



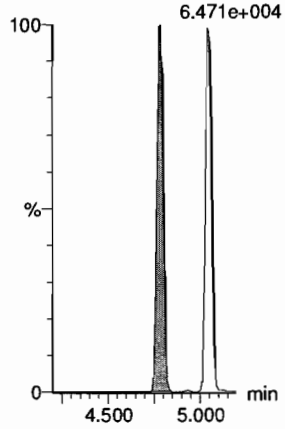
**13C2-PFOA**
F27:MRM of 1 channel,ES-
414.9 > 369.7
2.973e+005



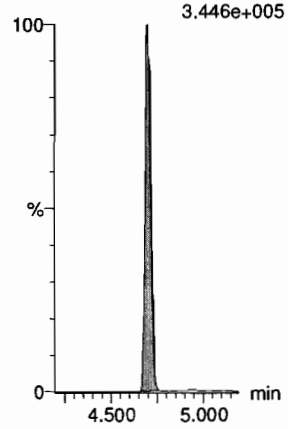
**13C2-PFOA**
F27:MRM of 1 channel,ES-
414.9 > 369.7
2.973e+005



**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.471e+004



**13C5-PFNA**
F35:MRM of 1 channel,ES-
468.2 > 422.9
3.446e+005

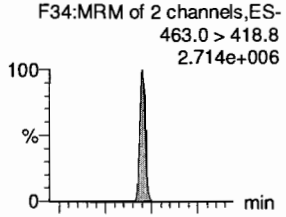


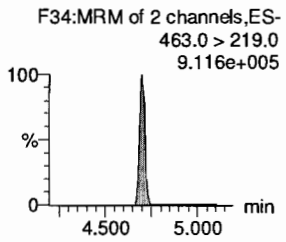
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

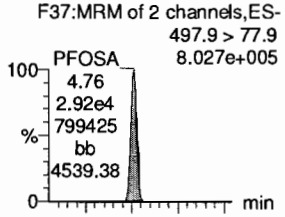
**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

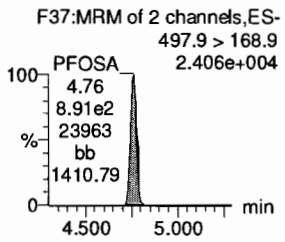
**PFNA**



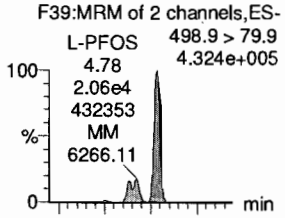



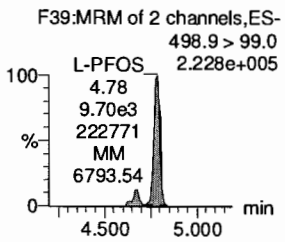

**PFOSA**



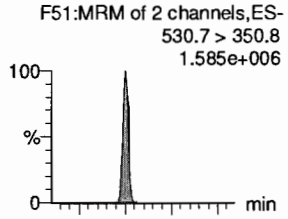



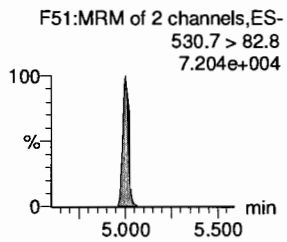

**L-PFOS**




**9Cl-PF30NS**

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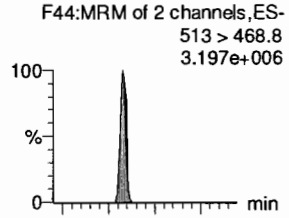
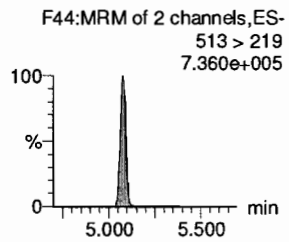
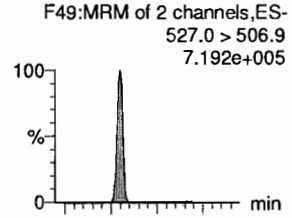
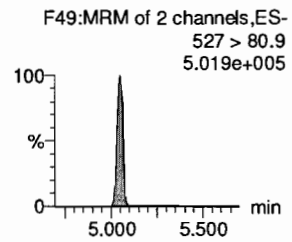


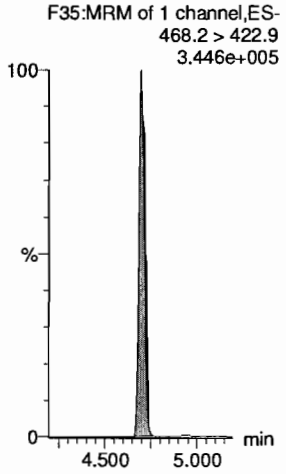




**8:2 FTS**

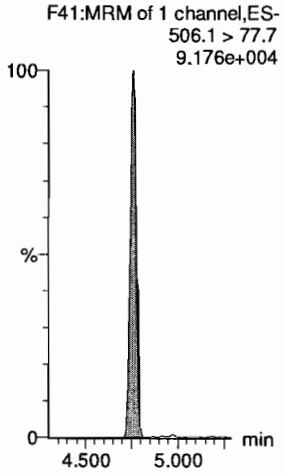


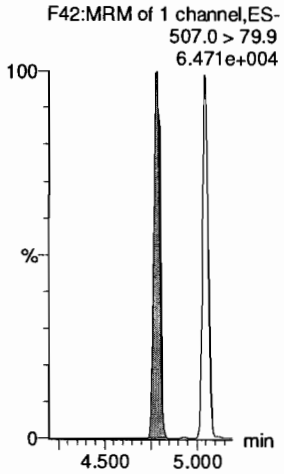

**13C5-PFNA**



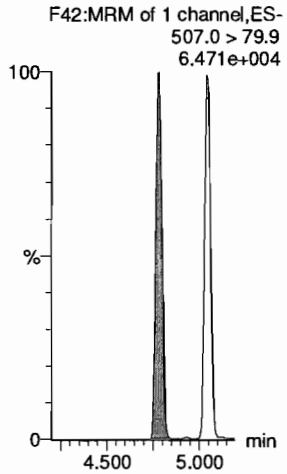

**13C8-PFOSA**



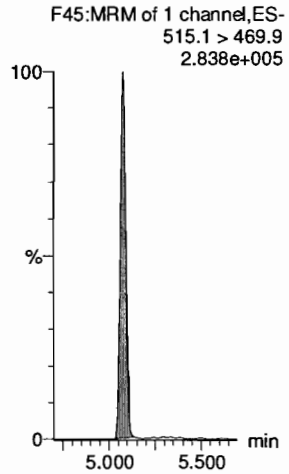

**13C8-PFOS**



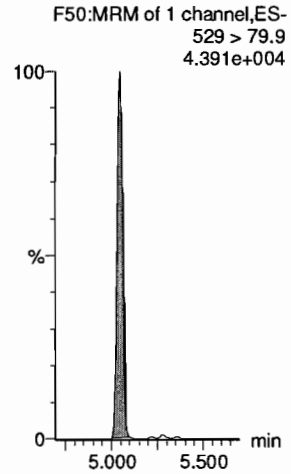

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

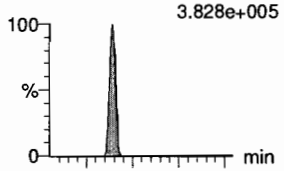


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

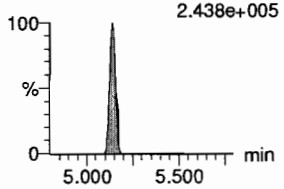
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

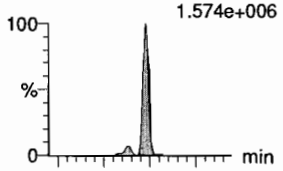
**PFNS**
F53:MRM of 2 channels,ES-
549.1 > 80.1
3.828e+005



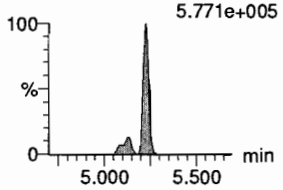
F53:MRM of 2 channels,ES-
549.1 > 99.1
2.438e+005



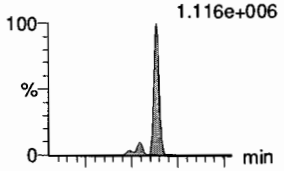
**L-MeFOSAA**
F56:MRM of 2 channels,ES-
570 > 419
1.574e+006



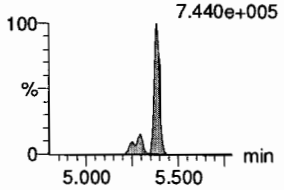
F56:MRM of 2 channels,ES-
570. > 512
5.771e+005



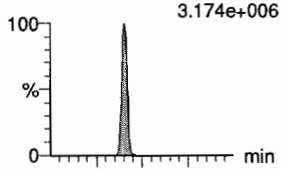
**L-EtFOSAA**
F59:MRM of 2 channels,ES-
584.1 > 419
1.116e+006



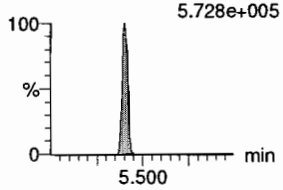
F59:MRM of 2 channels,ES-
584.1 > 526
7.440e+005



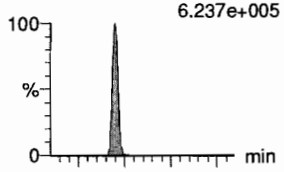
**PFUdA**
F54:MRM of 2 channels,ES-
563.0 > 518.9
3.174e+006



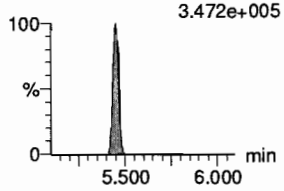
F54:MRM of 2 channels,ES-
563.0 > 269
5.728e+005



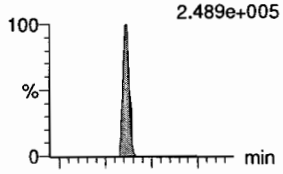
**PFDS**
F61:MRM of 2 channels,ES-
598.8 > 79.9
6.237e+005



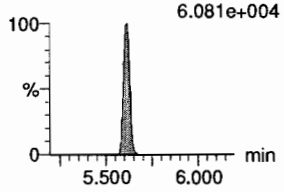
F61:MRM of 2 channels,ES-
598.8 > 98.9
3.472e+005



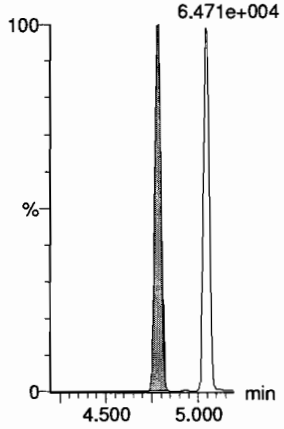
**11Cl-PF30UdS**
F68:MRM of 2 channels,ES-
632.6 > 452.7
2.489e+005



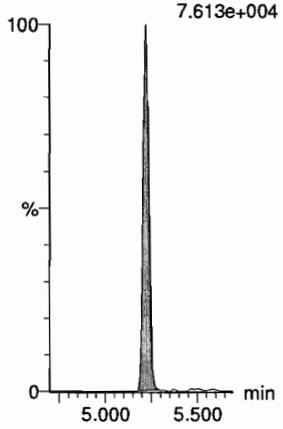
F68:MRM of 2 channels,ES-
632.6 > 450.7
6.081e+004



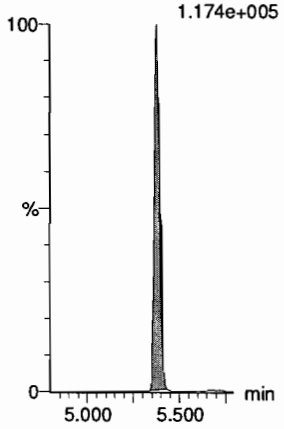
**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
6.471e+004



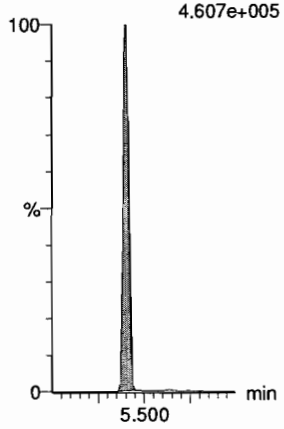
**d3-N-MeFOSAA**
F58:MRM of 1 channel,ES-
573.3 > 419
7.613e+004



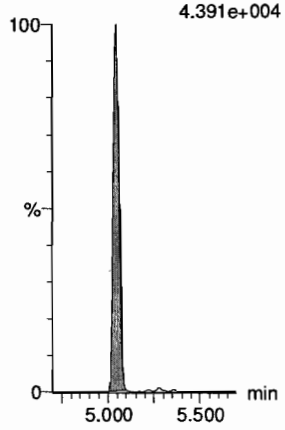
**d5-N-EtFOSAA**
F60:MRM of 1 channel,ES-
589.3 > 419
1.174e+005



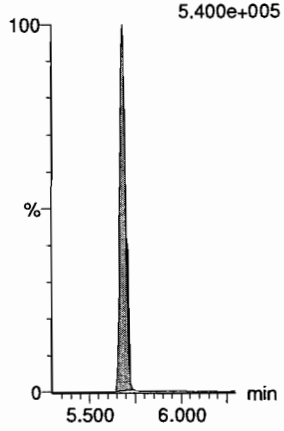
**13C2-PFUdA**
F55:MRM of 1 channel,ES-
565 > 519.8
4.607e+005



**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
4.391e+004



**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.400e+005

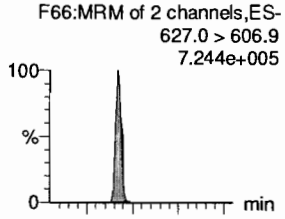


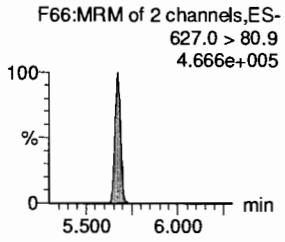
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

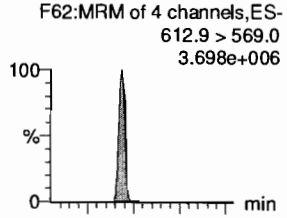
**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

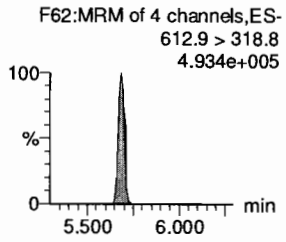
**10:2 FTS**



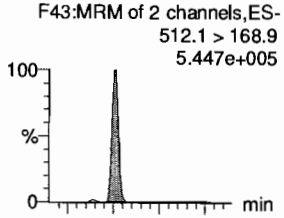



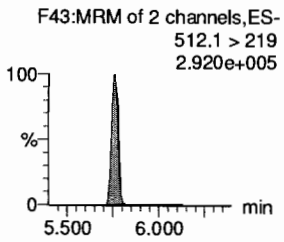

**PFDoA**



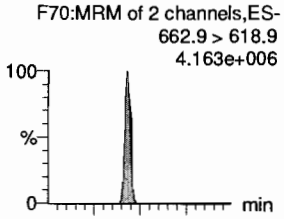



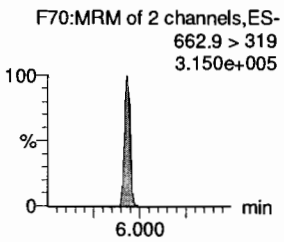

**N-MeFOSA**



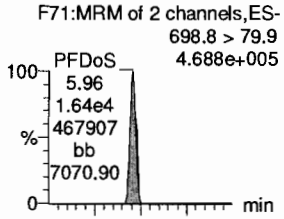



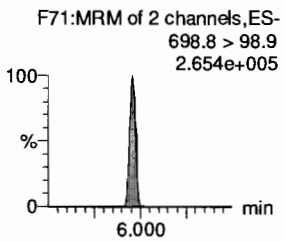

**PFTrDA**



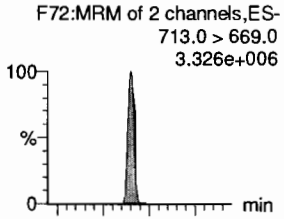



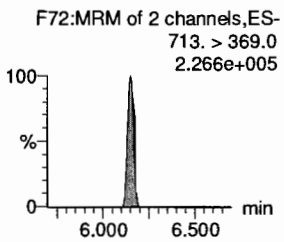

**PFDoS**



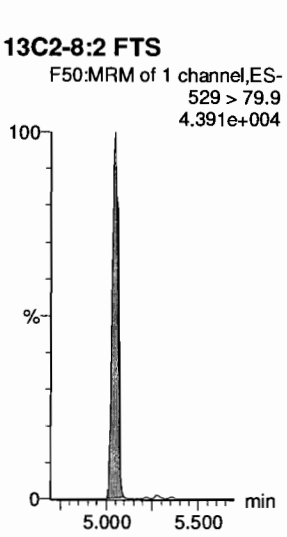




**PFTeDA**

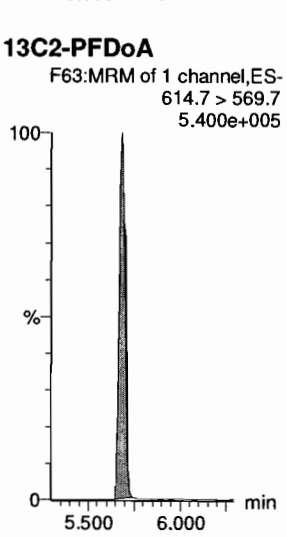



**13C2-8:2 FTS**




**13C2-PFDoA**

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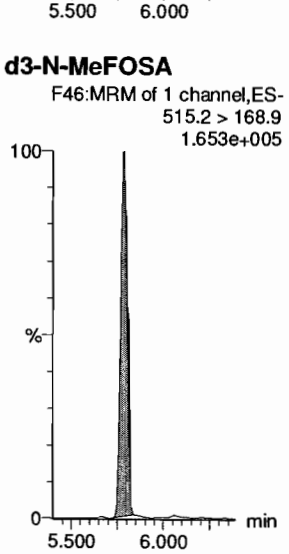


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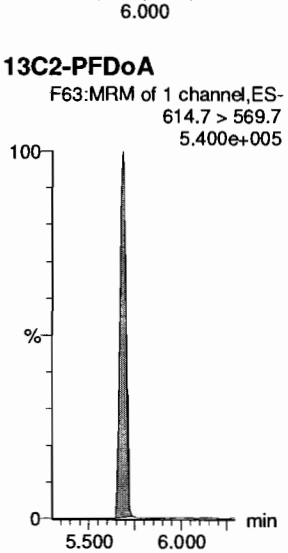


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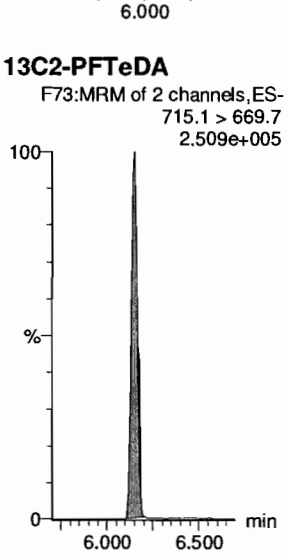
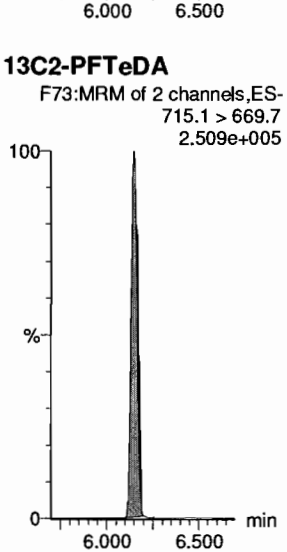



**13C2-PFTeDA**

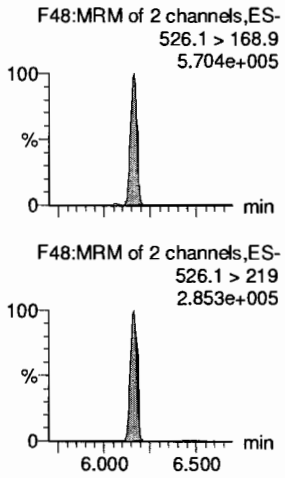


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

**N-EtFOSA**

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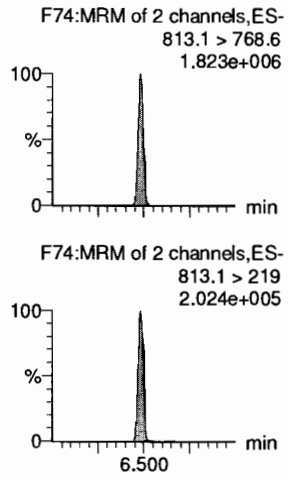
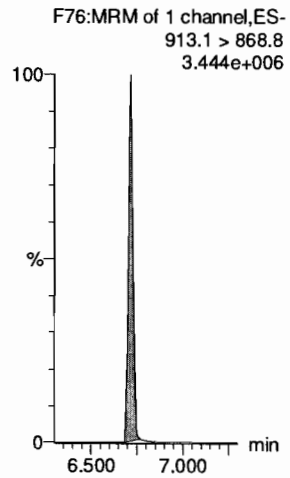



**PFODA**

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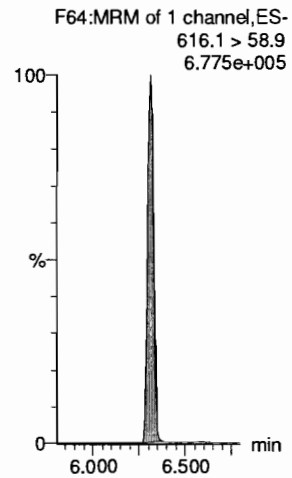
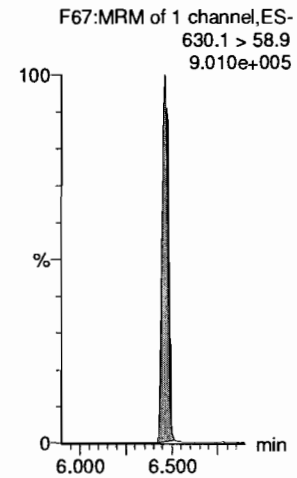
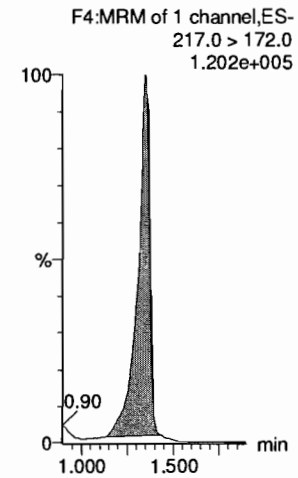


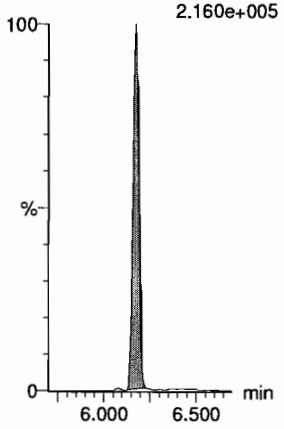

**N-EtFOSE**



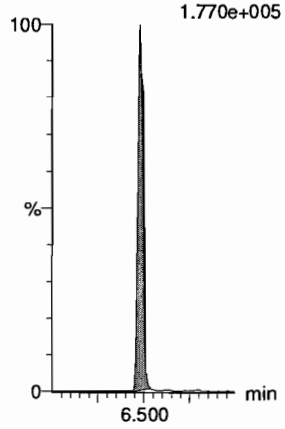

**13C4-PFBA**




**d5-N-ETFOSA**




**13C2-PFHxDA**

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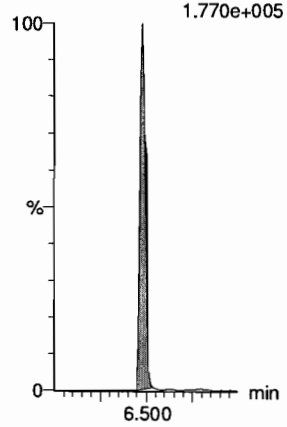
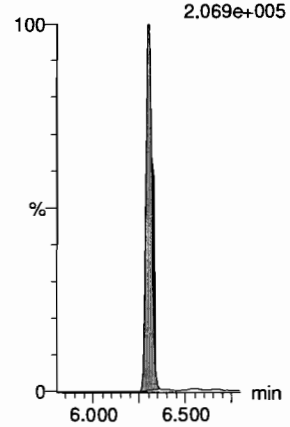



**d7-N-MeFOSE**

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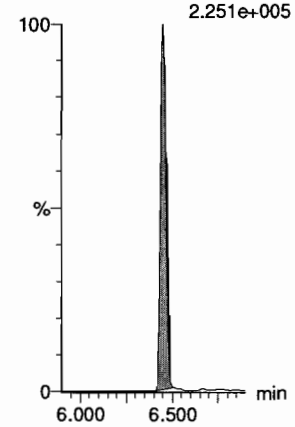
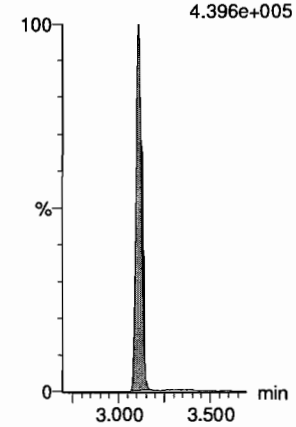



**13C5-PFHxA**

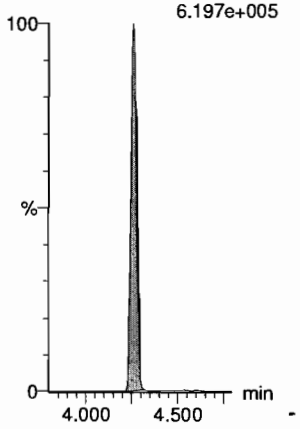


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

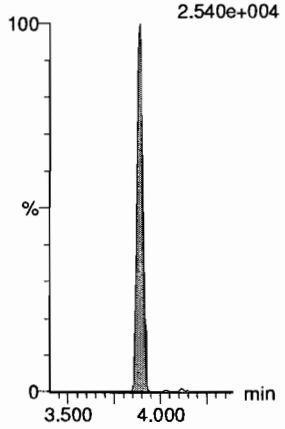
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_10, Date: 02-Aug-2019, Time: 14:01:28, ID: ST190802M2-8 PFC CS5 19G2308, Description: PFC CS5 19G2008**

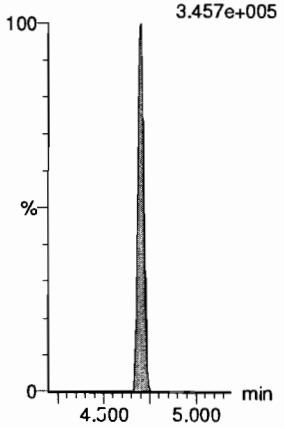
**13C8-PFOA**



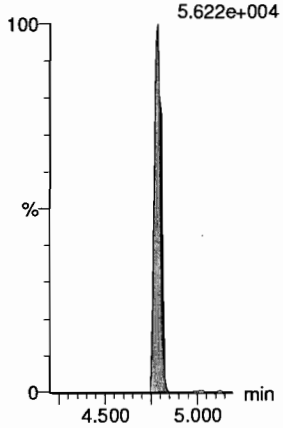

**18O2-PFHxS**




**13C9-PFNA**




**13C4-PFOS**

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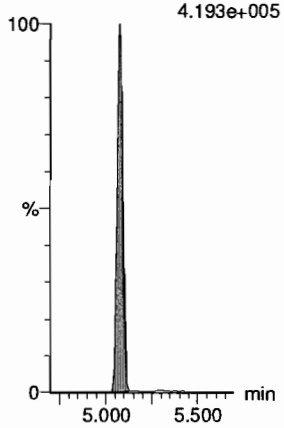


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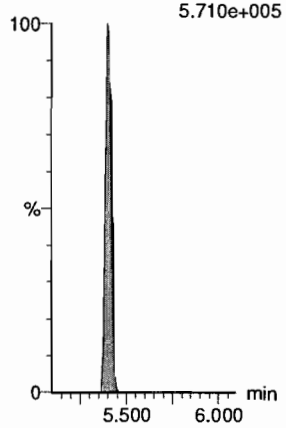

Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

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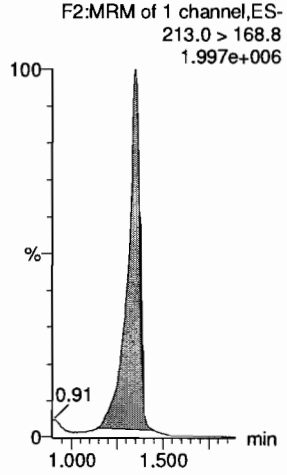


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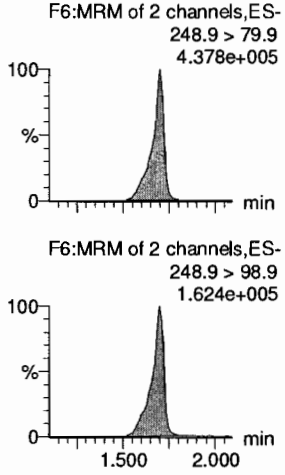
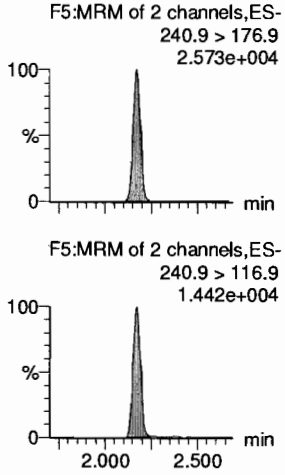
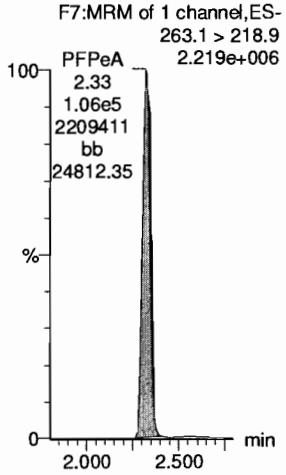


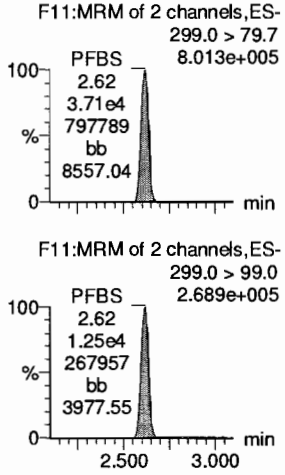

**3:3 FTCA**



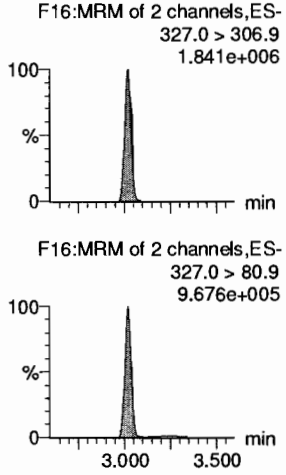

**PFPeA**




**PFBS**




**4:2 FTS**

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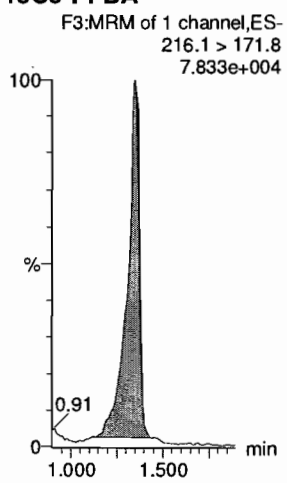
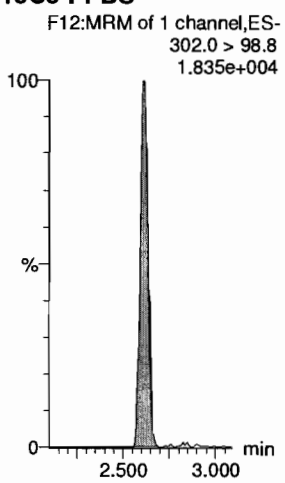



**13C3-PFBS**

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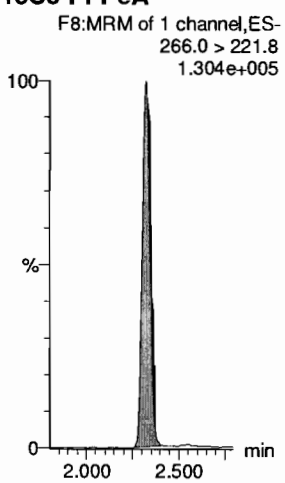


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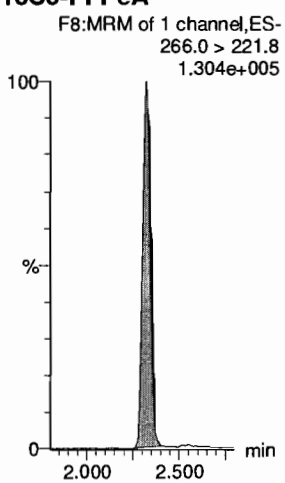


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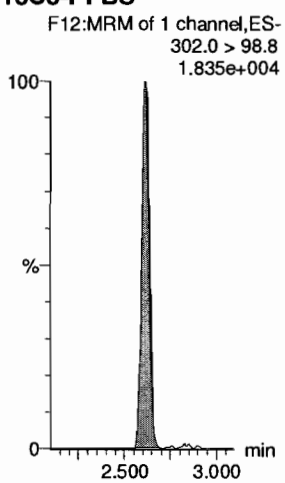
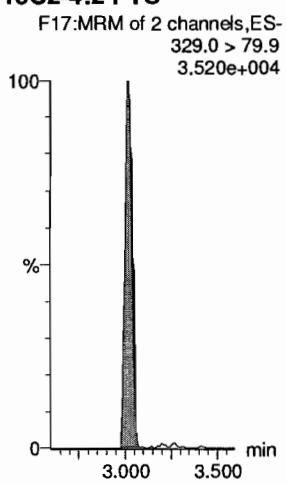



**13C2-4:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

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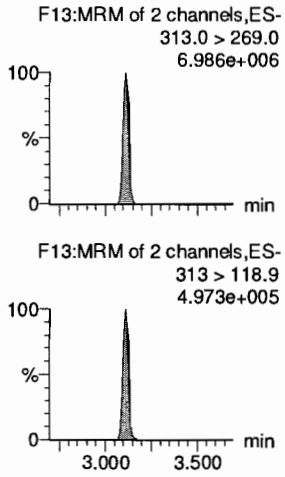
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

**PFHxA**

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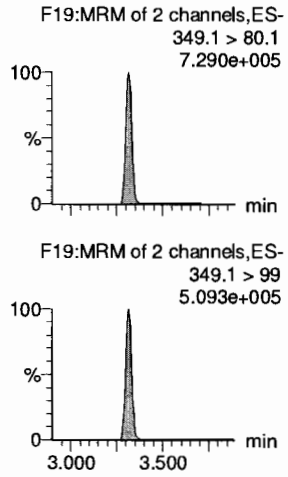
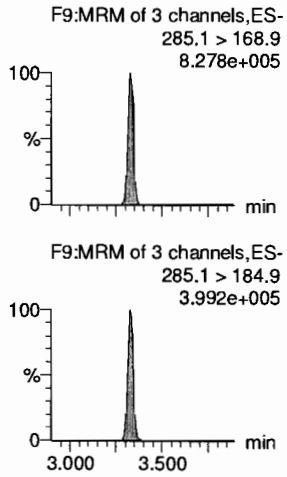
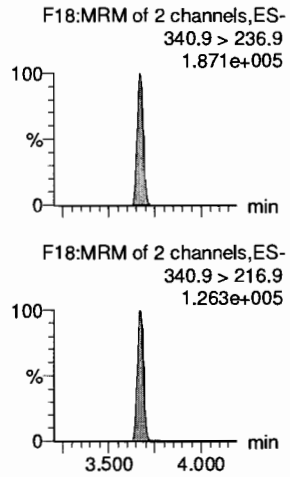


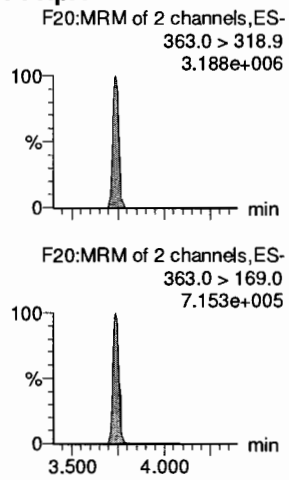

**HFPO-DA**




**5:3 FTCA**




**PFHpA**

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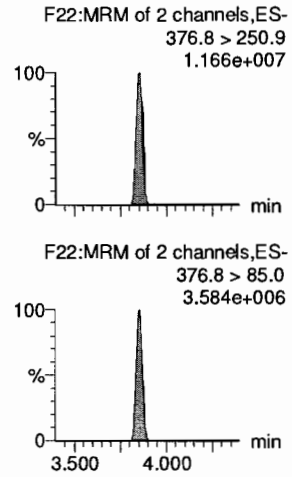


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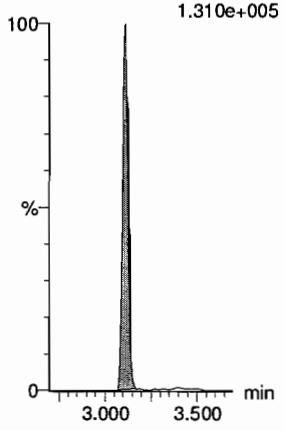
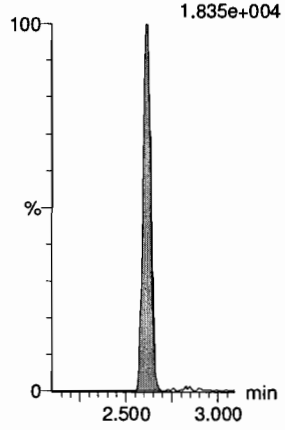



**13C3-PFBS**

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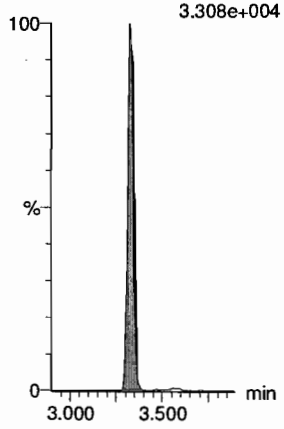
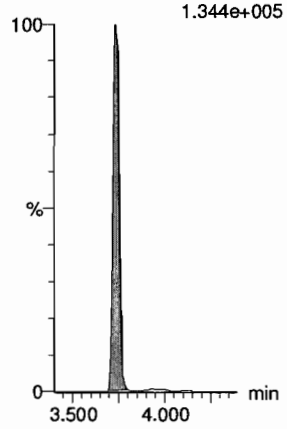



**13C4-PFHpA**

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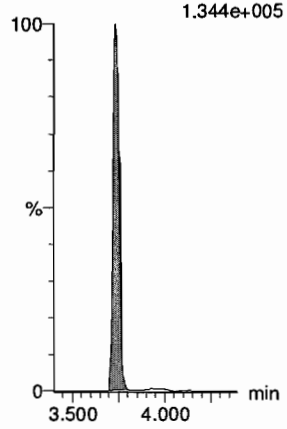


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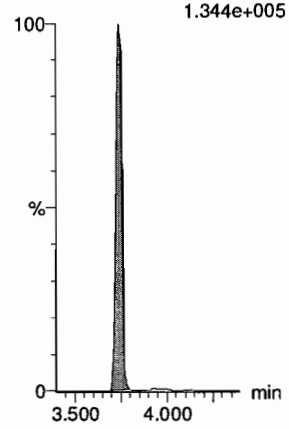
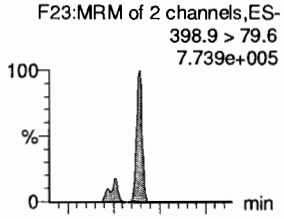


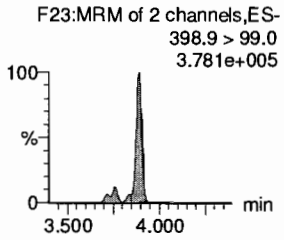
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

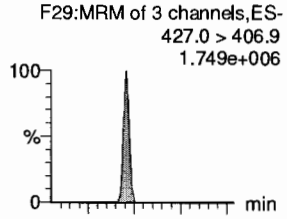
**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

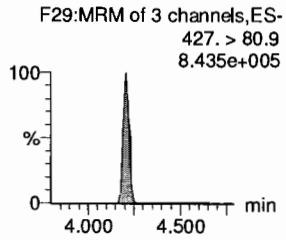
**L-PFHxS**



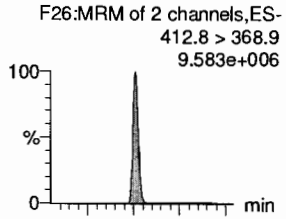



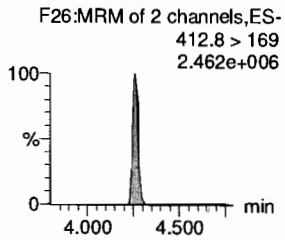

**6:2 FTS**



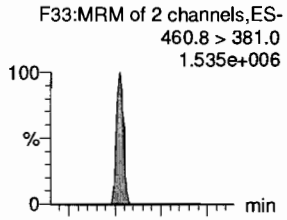



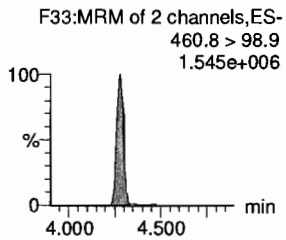

**L-PFOA**



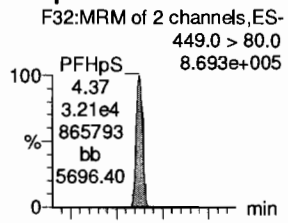



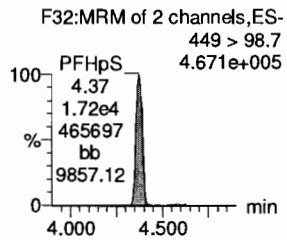

**PFEChS**



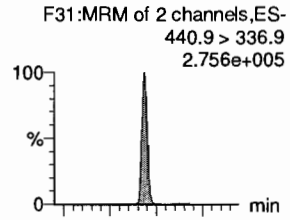



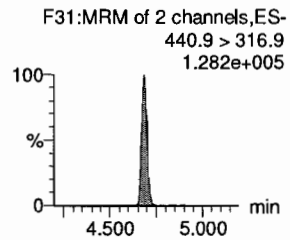

**PFHpS**



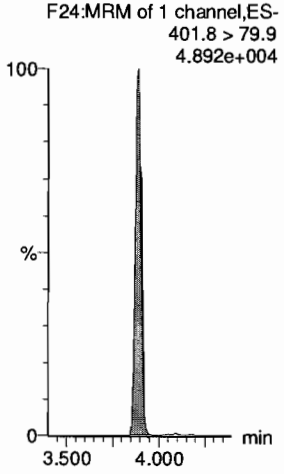




**7:3 FTCA**

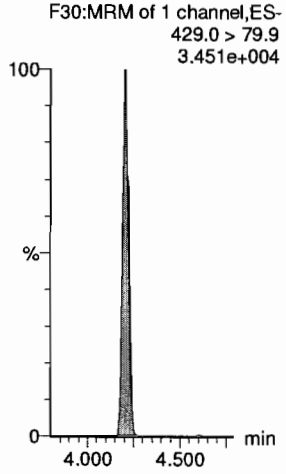


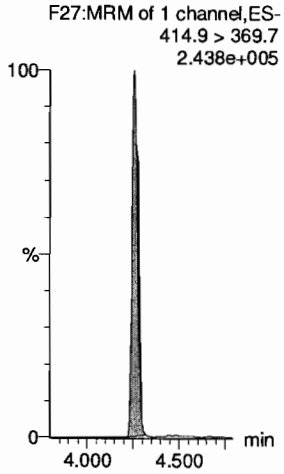

**13C3-PFHxS**



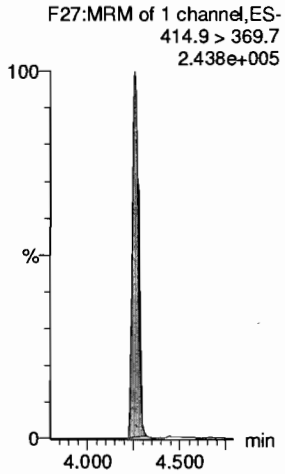

**13C2-6:2 FTS**



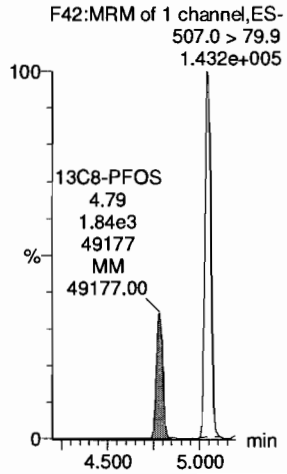

**13C2-PFOA**



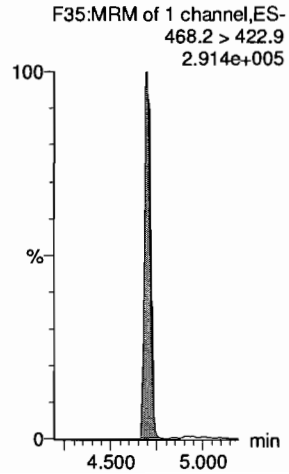

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

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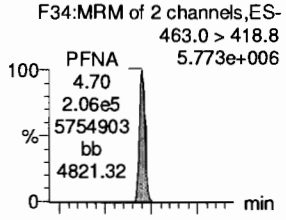
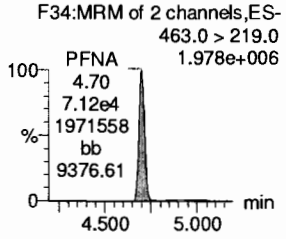
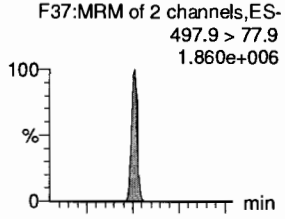
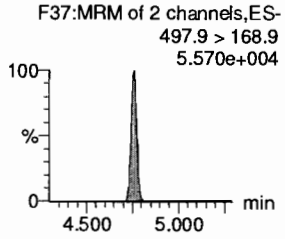


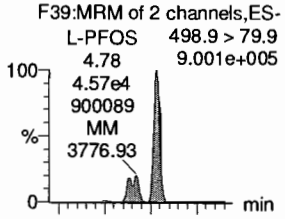



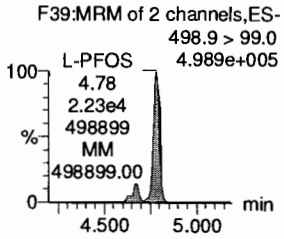

**PFOSA**



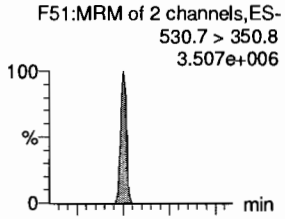



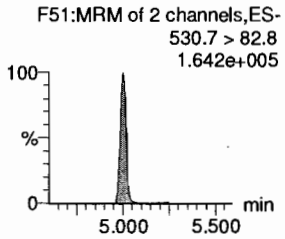

**L-PFOS**



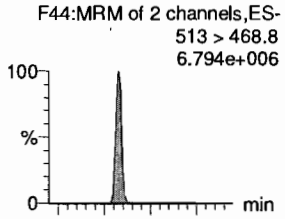



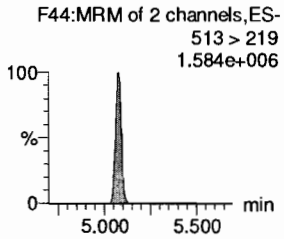

**9Cl-PF30NS**



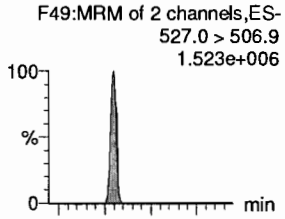



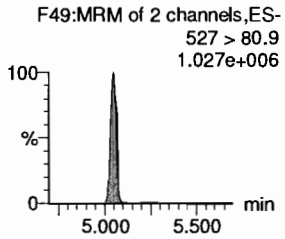

**PFDA**



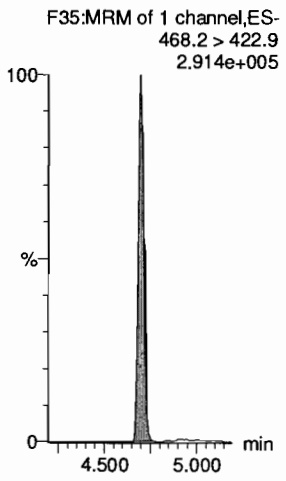




**8:2 FTS**

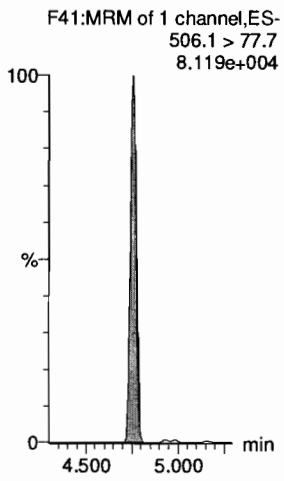


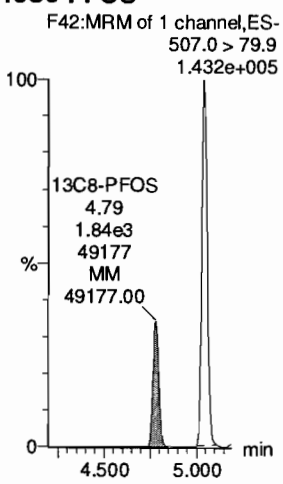

**13C5-PFNA**



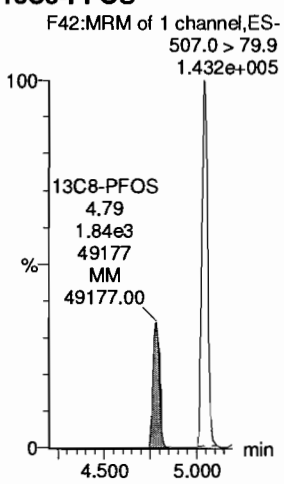

**13C8-PFOSA**



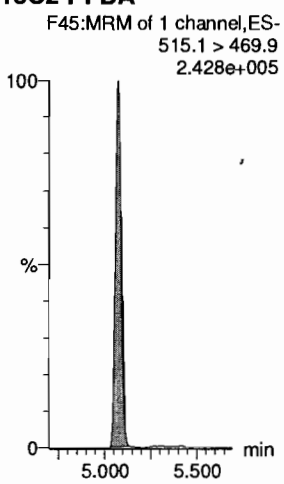

**13C8-PFOS**



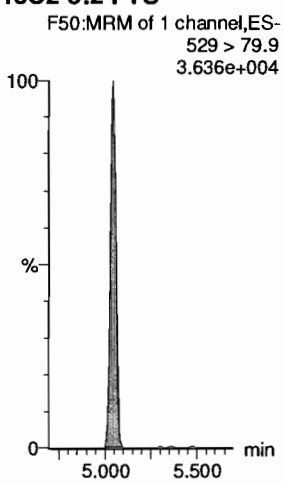

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

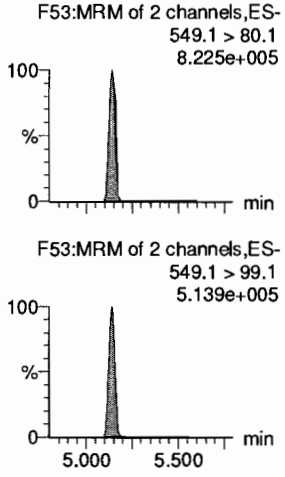


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

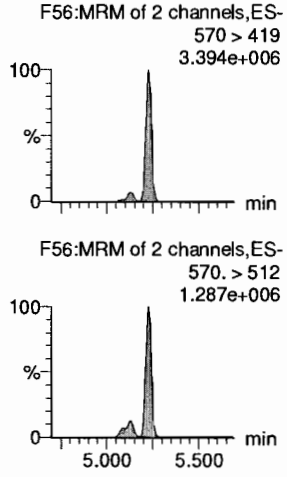
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

**PFNS**




**L-MeFOSAA**

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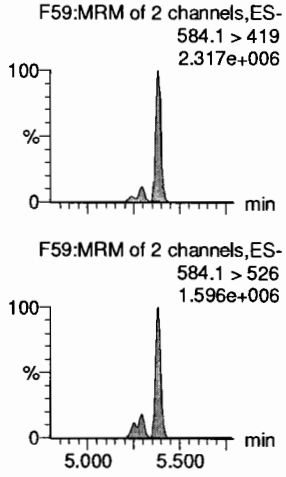
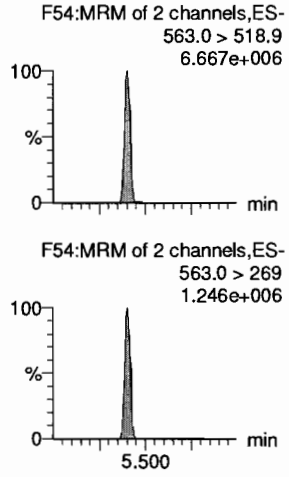
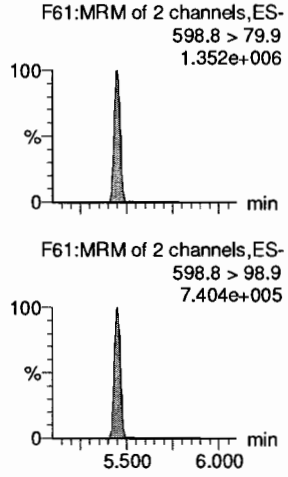


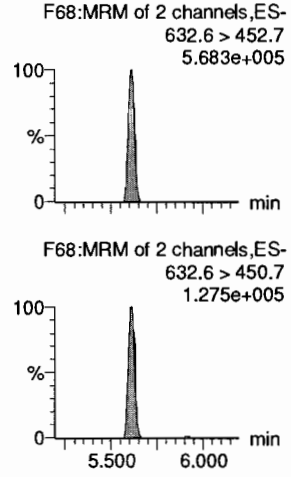

**PFUdA**



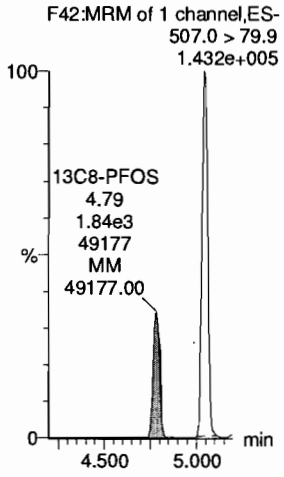

**PFDS**



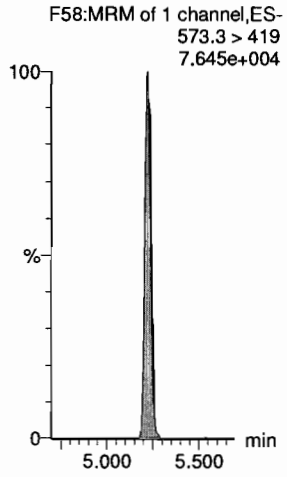

**11Cl-PF30UdS**



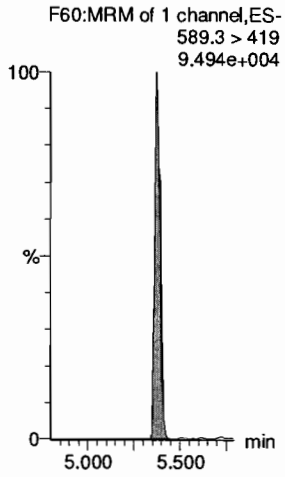

**13C8-PFOS**



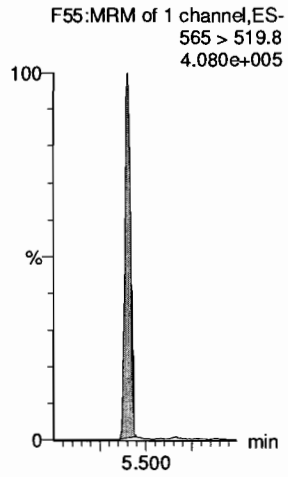

**d3-N-MeFOSAA**



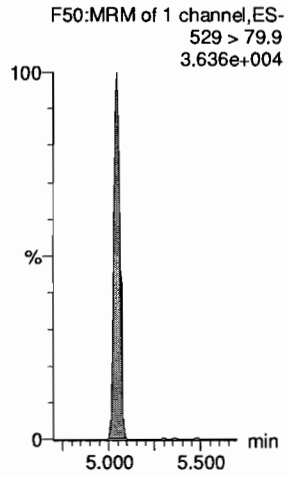

**d5-N-EtFOSAA**



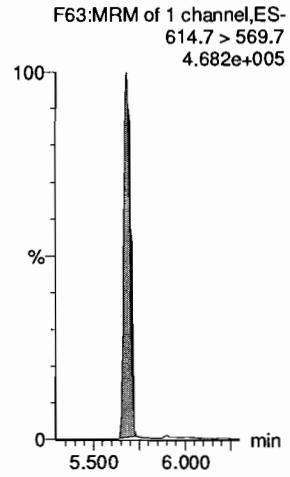

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

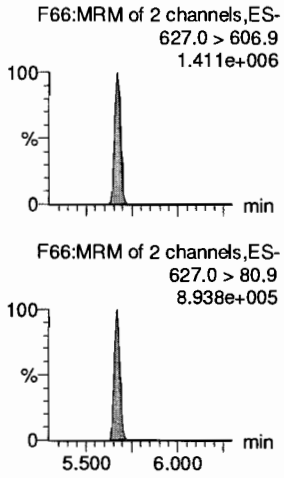


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

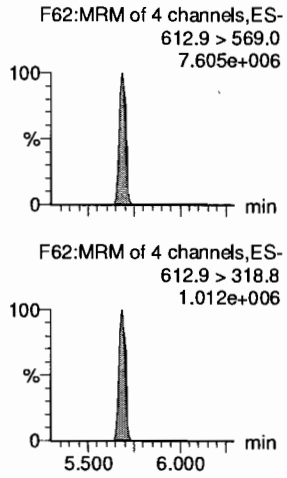
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

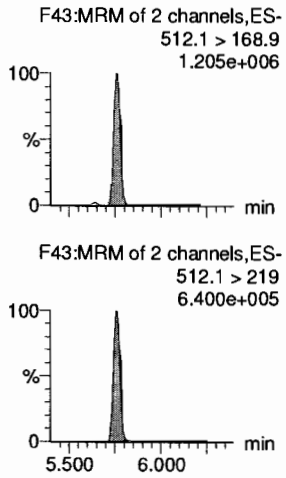
**10:2 FTS**



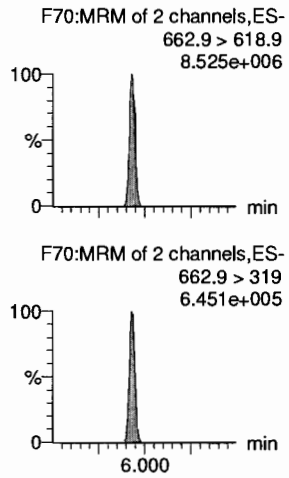

**PFDoA**



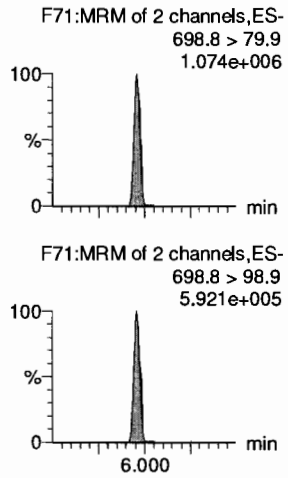

**N-MeFOSA**




**PFTrDA**




**PFDoS**

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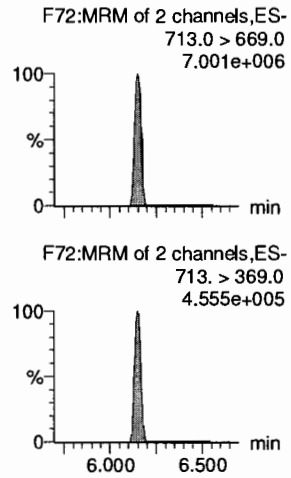
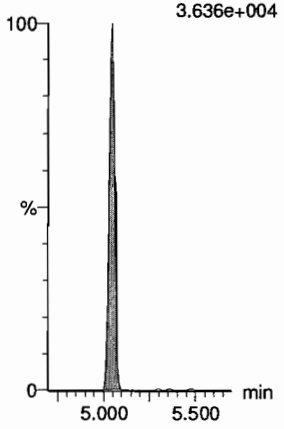
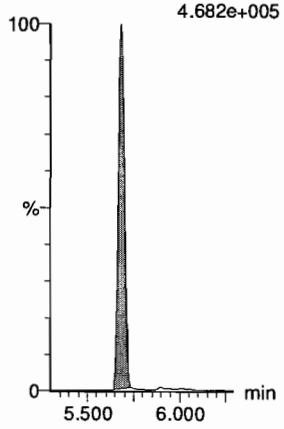


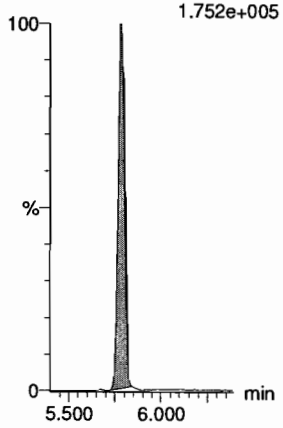

**13C2-8:2 FTS**



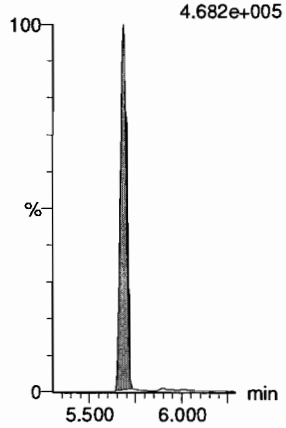

**13C2-PFDoA**



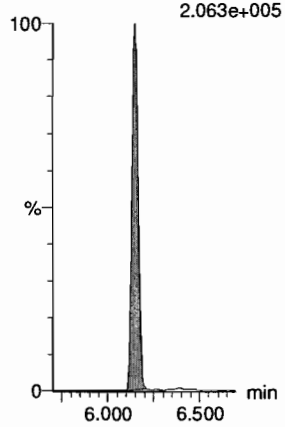

**d3-N-MeFOSA**



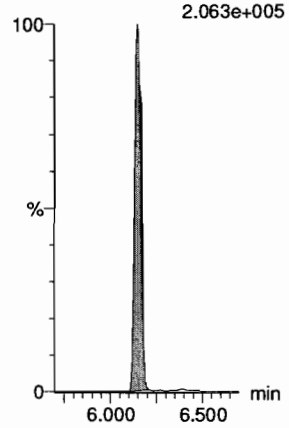

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

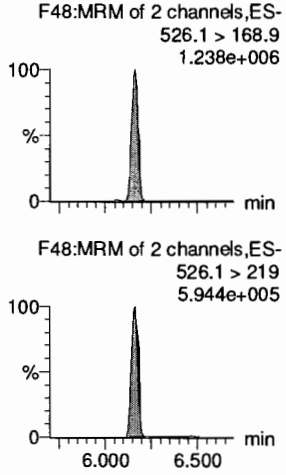


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

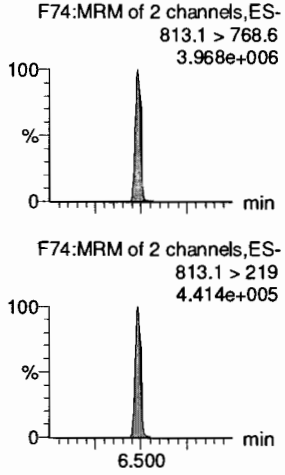
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

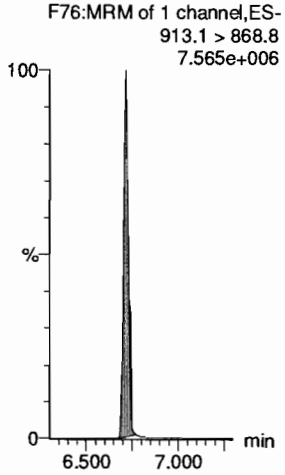
**N-EtFOSA**



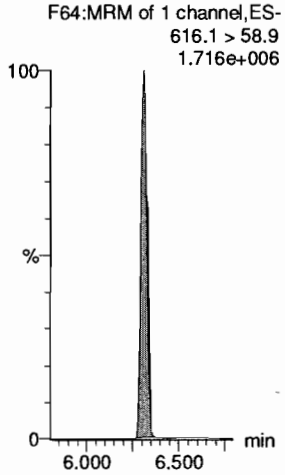

**PFHxDA**



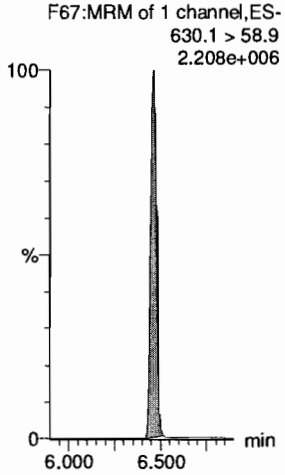

**PFODA**



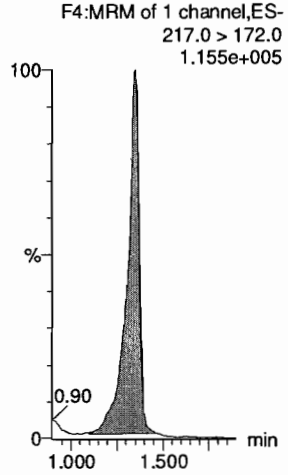

**N-MeFOSE**



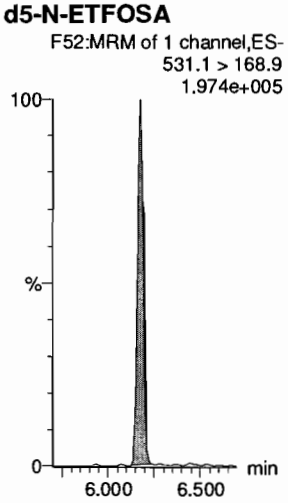

**N-EtFOSE**



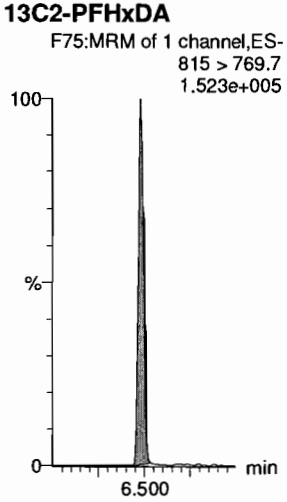

**13C4-PFBA**



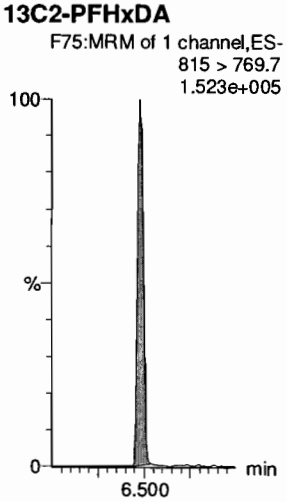

**d5-N-ETFOSA**



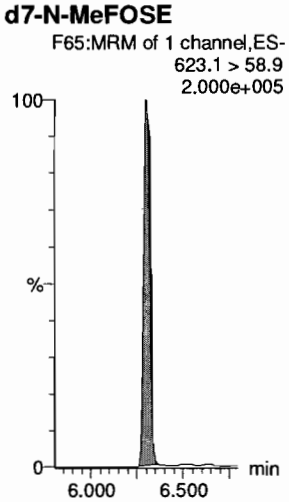

**13C2-PFHxDA**



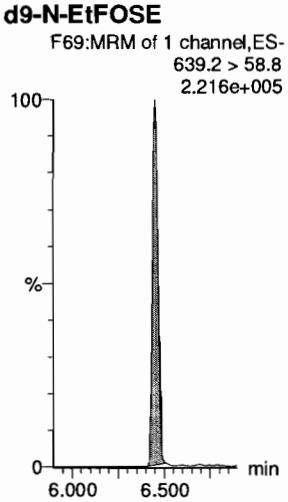

**13C2-PFHxDA**



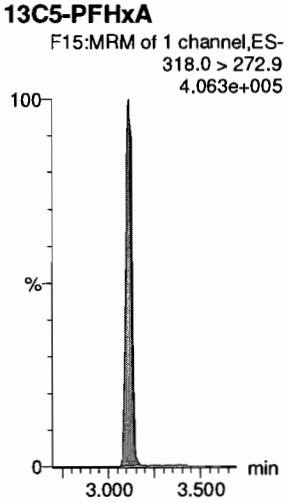

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

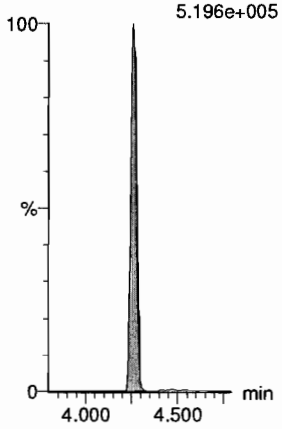


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

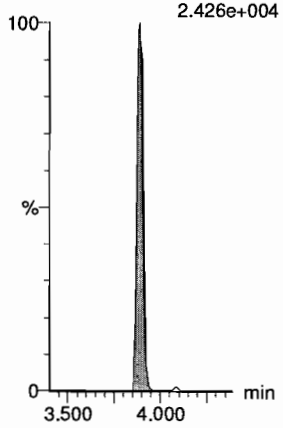
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_11, Date: 02-Aug-2019, Time: 14:12:01, ID: ST190802M2-9 PFC CS6 19G2309, Description: PFC CS6 19G2009**

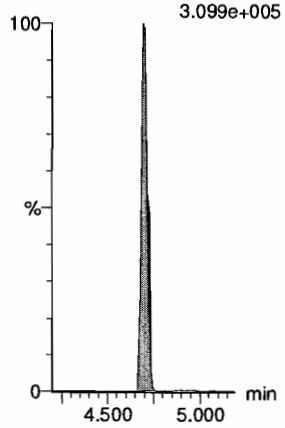
**13C8-PFOA**



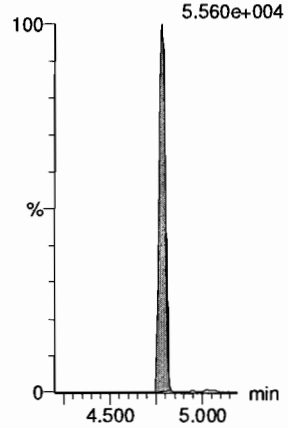

**18O2-PFHxS**



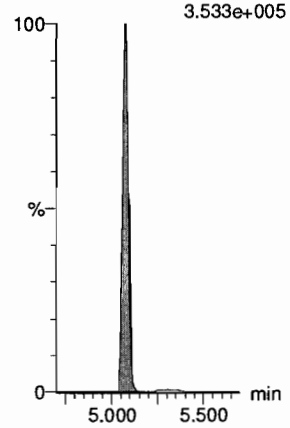

**13C9-PFNA**



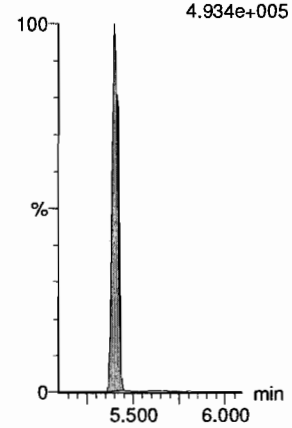

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

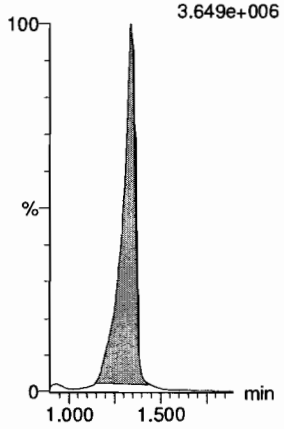


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

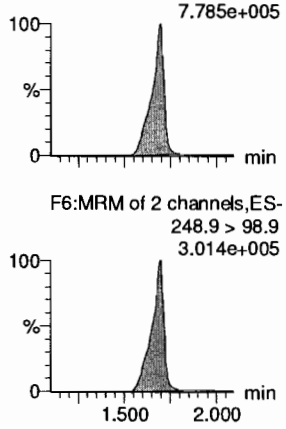
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

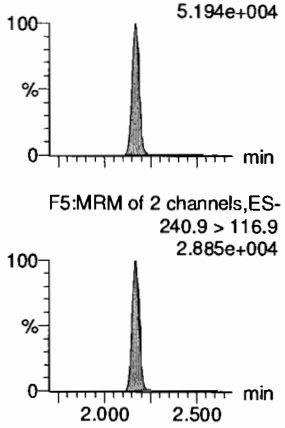
**PFBA**



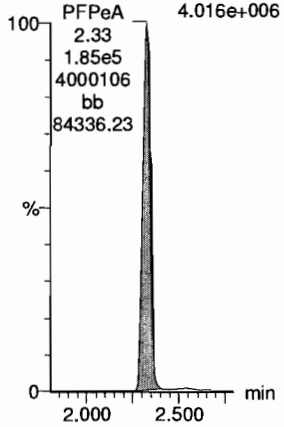

**PFPrS**



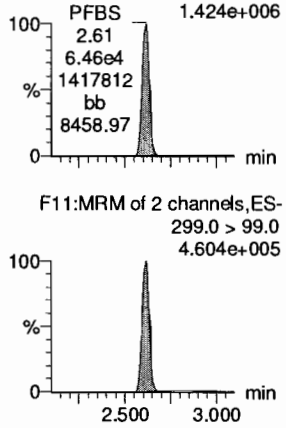

**3:3 FTCA**



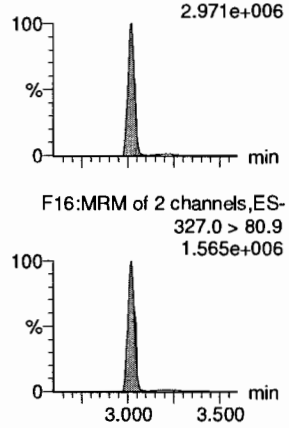

**PFPeA**



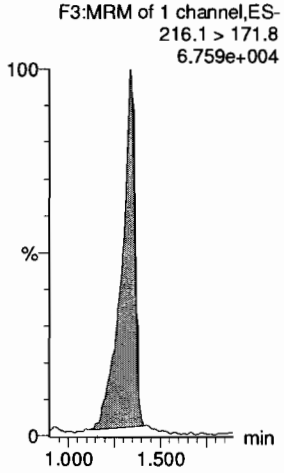

**PFBS**



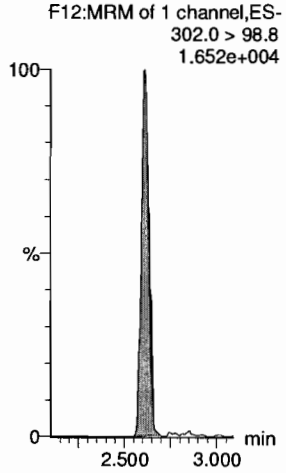

**4:2 FTS**



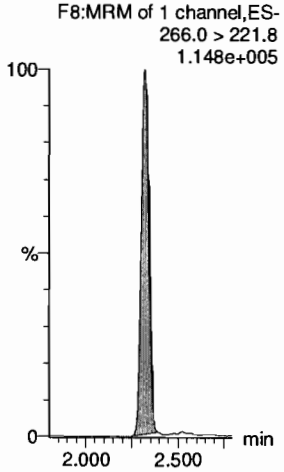

**13C3-PFBA**



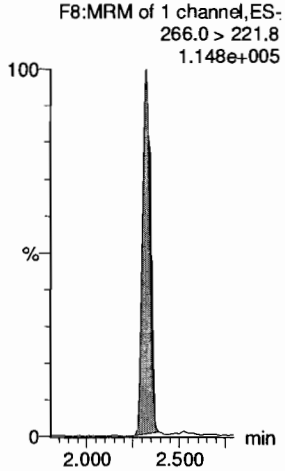

**13C3-PFBS**



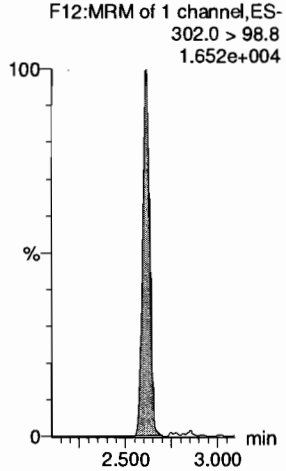

**13C3-PFPeA**



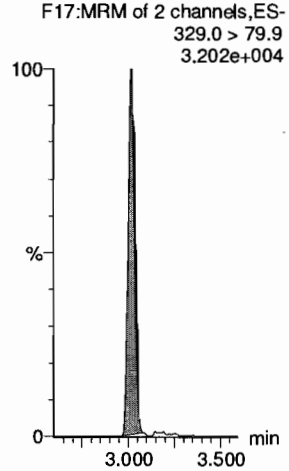

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

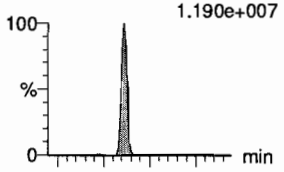


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

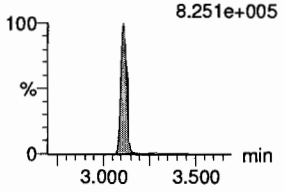
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

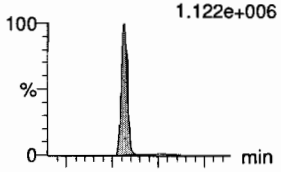
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
1.190e+007



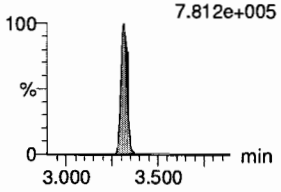
F13:MRM of 2 channels,ES-
313 > 118.9
8.251e+005



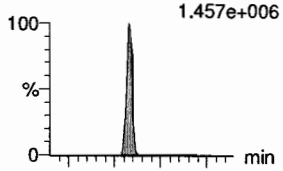
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
1.122e+006



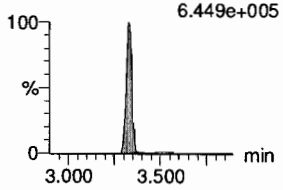
F19:MRM of 2 channels,ES-
349.1 > 99
7.812e+005



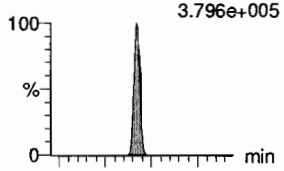
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
1.457e+006



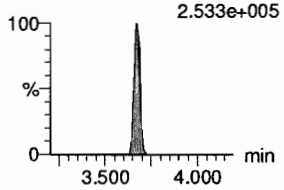
F9:MRM of 3 channels,ES-
285.1 > 184.9
6.449e+005



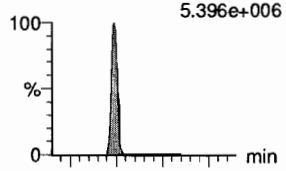
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
3.796e+005



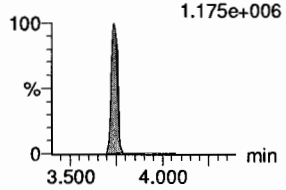
F18:MRM of 2 channels,ES-
340.9 > 216.9
2.533e+005



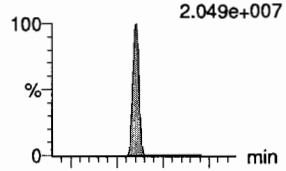
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
5.396e+006



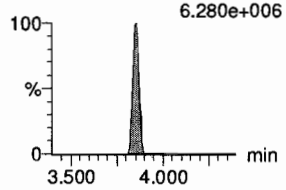
F20:MRM of 2 channels,ES-
363.0 > 169.0
1.175e+006



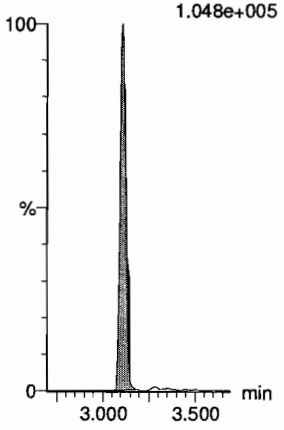
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
2.049e+007



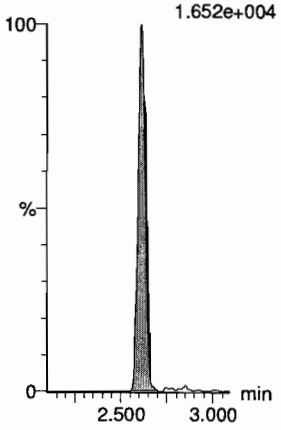
F22:MRM of 2 channels,ES-
376.8 > 85.0
6.280e+006



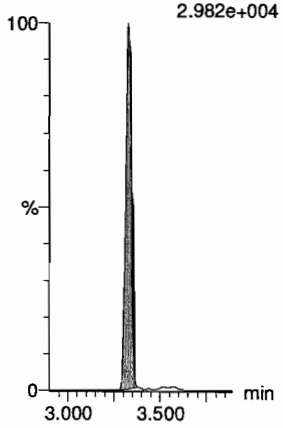
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.048e+005



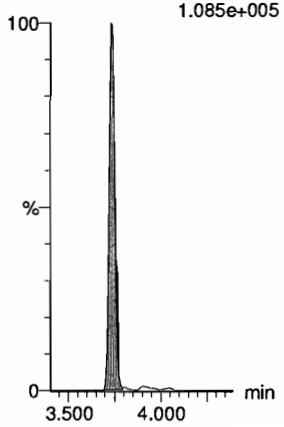
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
1.652e+004



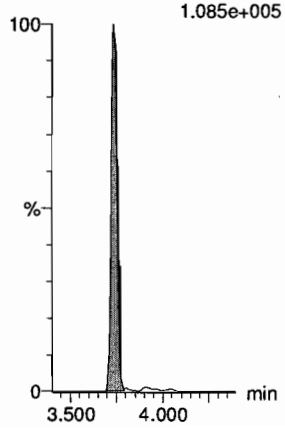
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
2.982e+004



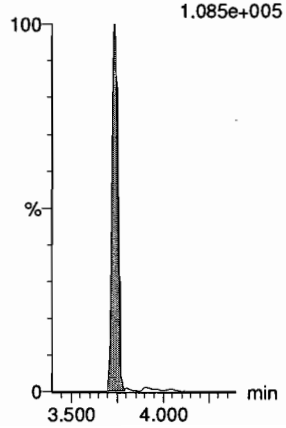
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.085e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.085e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
1.085e+005

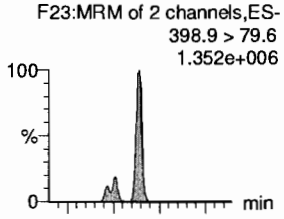


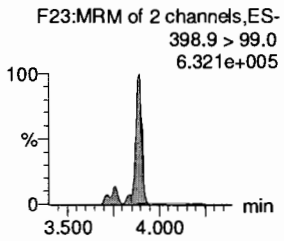
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

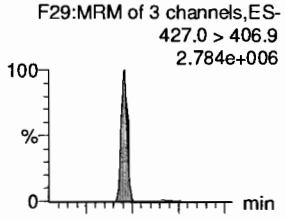
**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

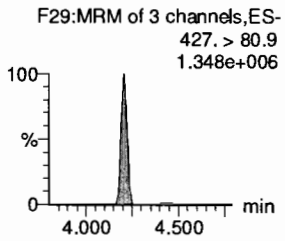
**L-PFHxS**



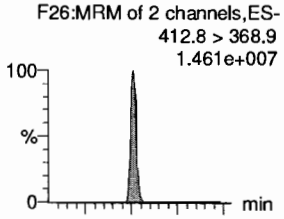



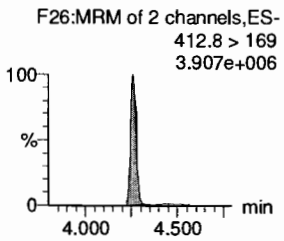

**6:2 FTS**



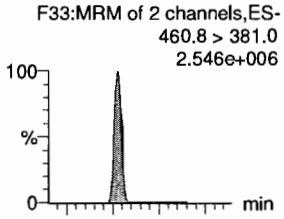



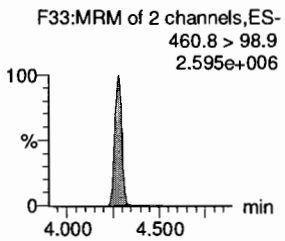

**L-PFOA**



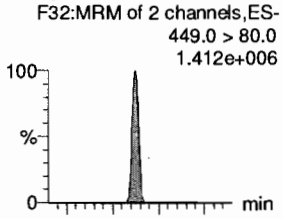



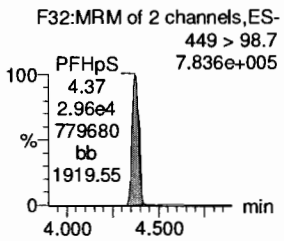

**PFEChS**



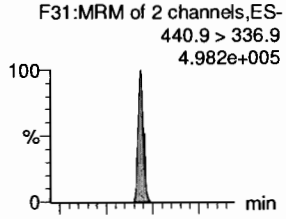



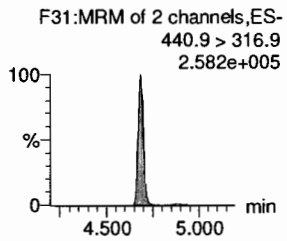

**PFHpS**



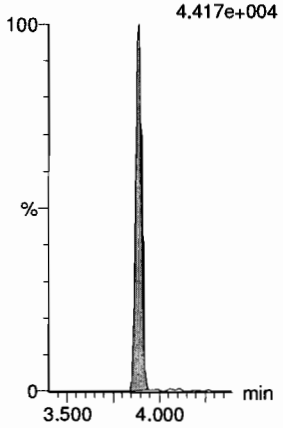




**7:3 FTCA**

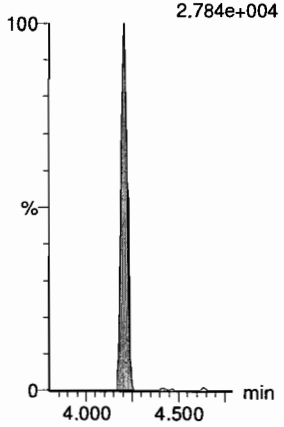


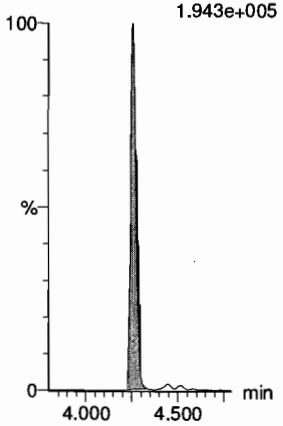

**13C3-PFHxS**



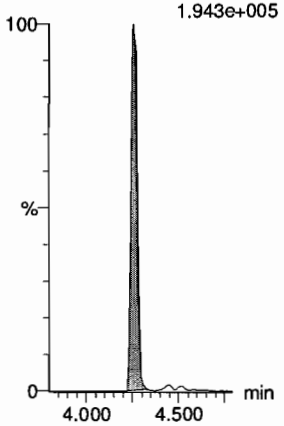

**13C2-6:2 FTS**



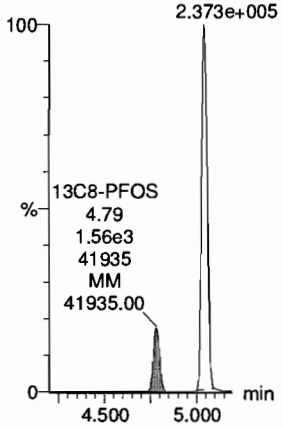

**13C2-PFOA**



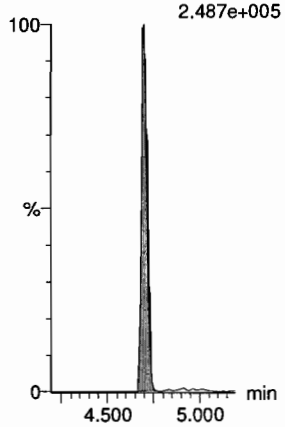

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

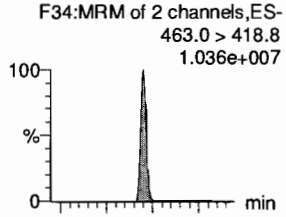


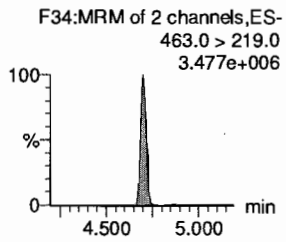
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

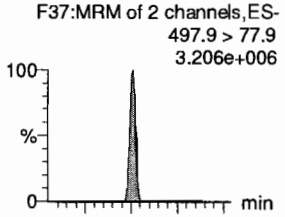
**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

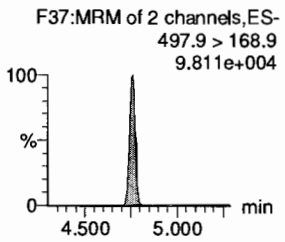
**PFNA**



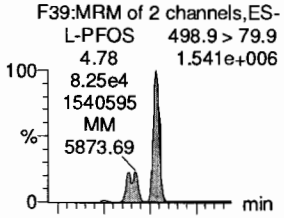



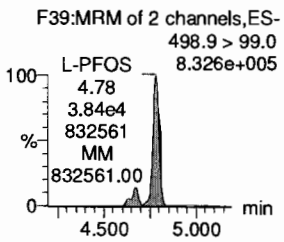

**PFOSA**



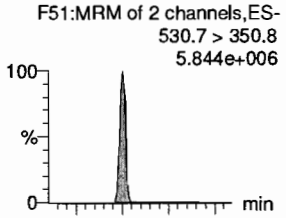



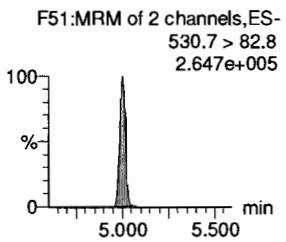

**L-PFOS**



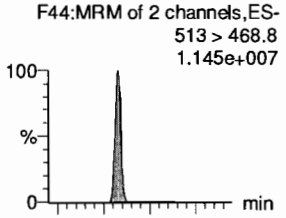



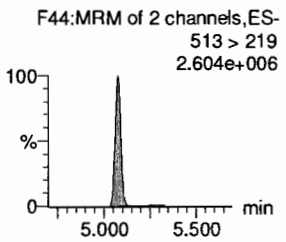

**9Cl-PF30NS**



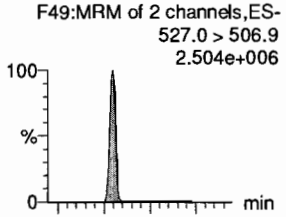



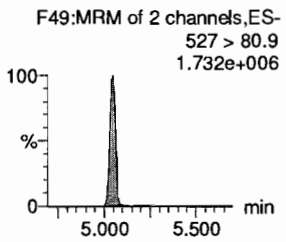

**PFDA**



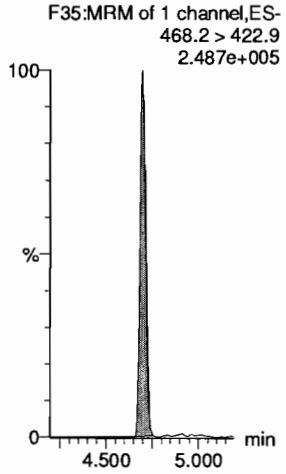




**8:2 FTS**

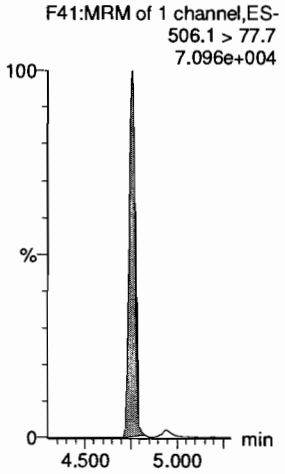


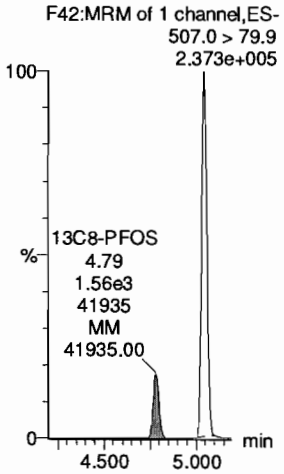

**13C5-PFNA**



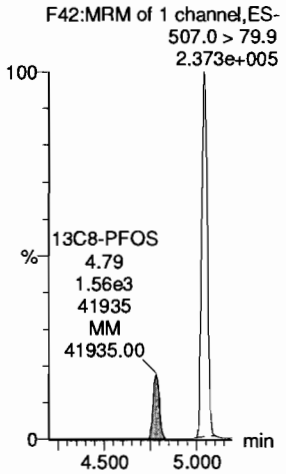

**13C8-PFOSA**



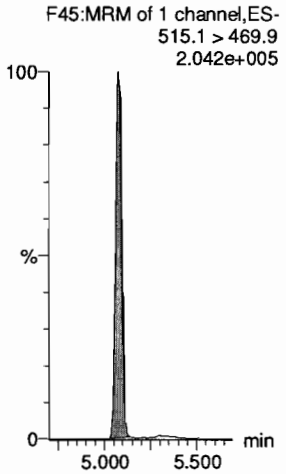

**13C8-PFOS**



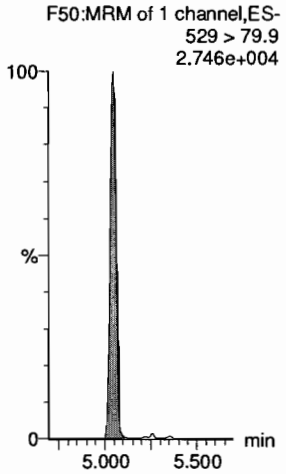

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

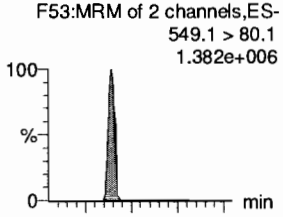


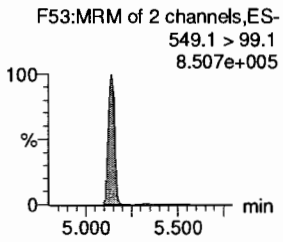
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

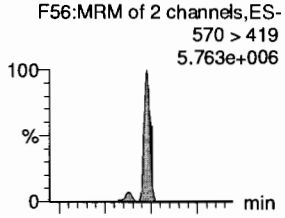
**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

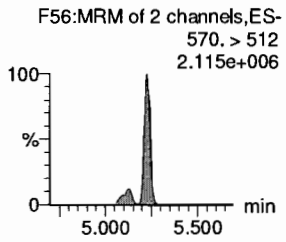
**PFNS**




**L-MeFOSAA**

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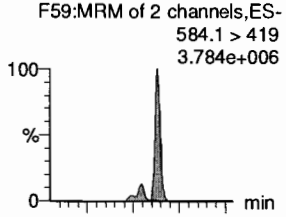
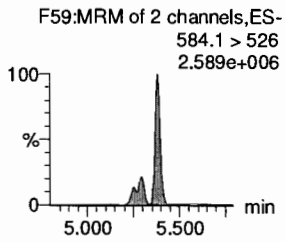
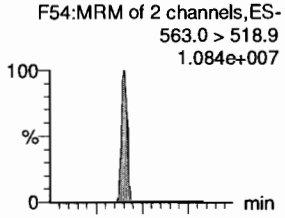
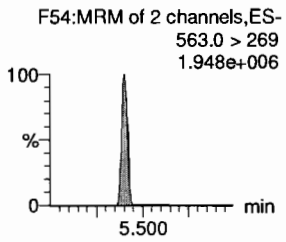


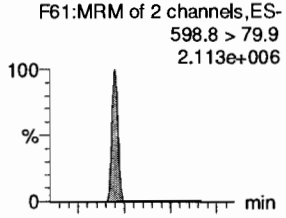



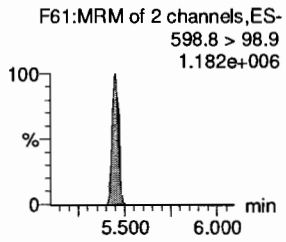

**PFUdA**



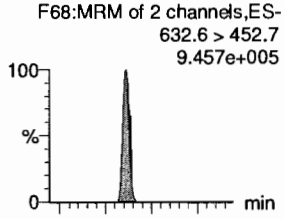



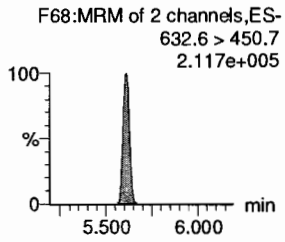

**PFDS**



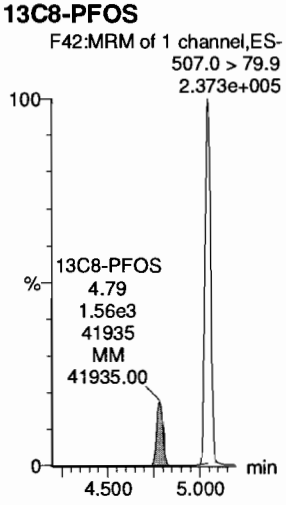




**11Cl-PF30UdS**

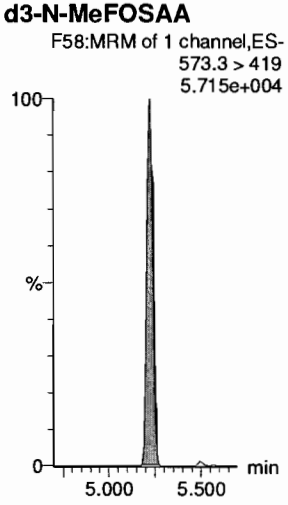


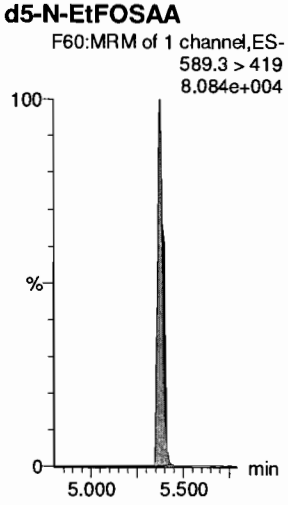

**13C8-PFOS**



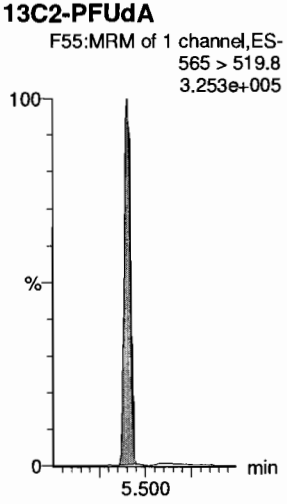

**d3-N-MeFOSAA**



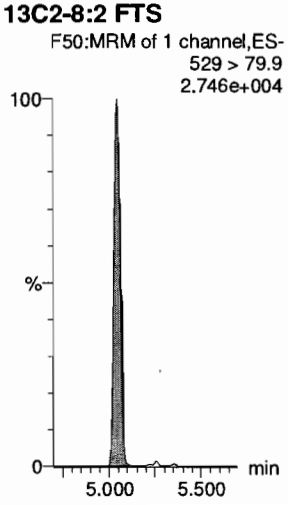

**d5-N-EtFOSAA**



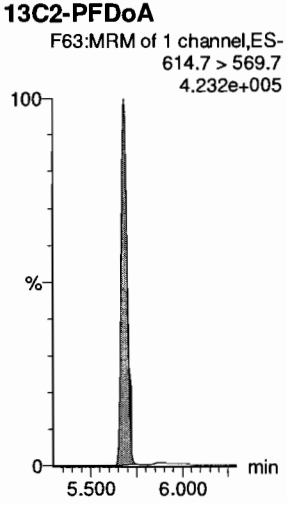

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

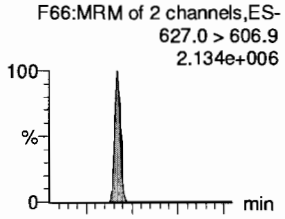


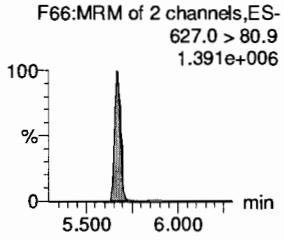
Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

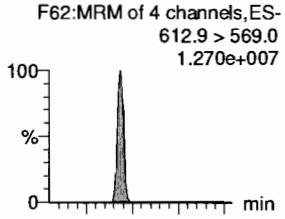
**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

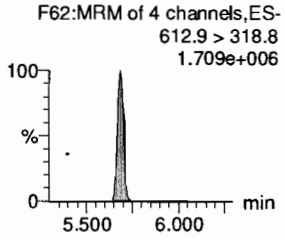
**10:2 FTS**



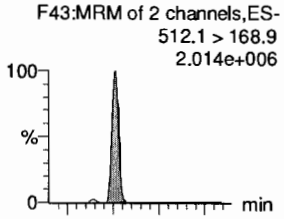



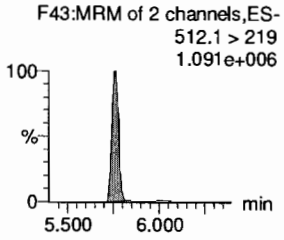

**PFDoA**



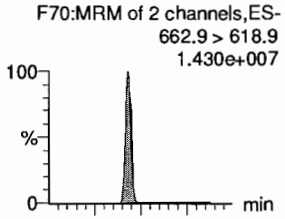



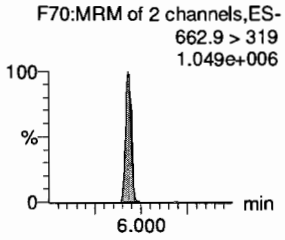

**N-MeFOSA**



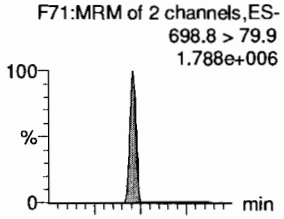



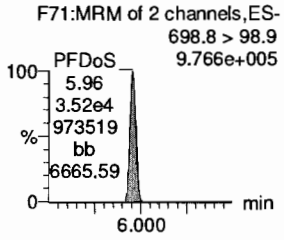

**PFTrDA**



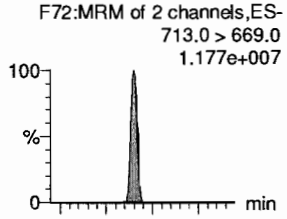



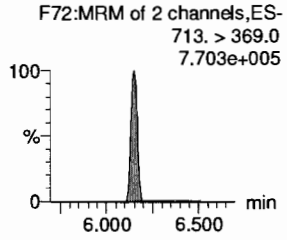

**PFDoS**



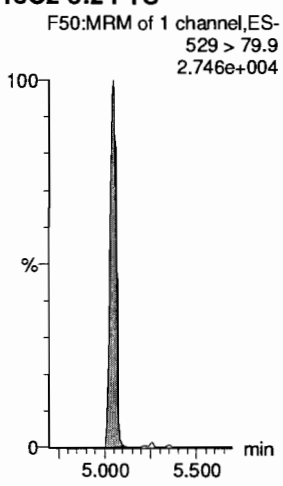




**PFTeDA**

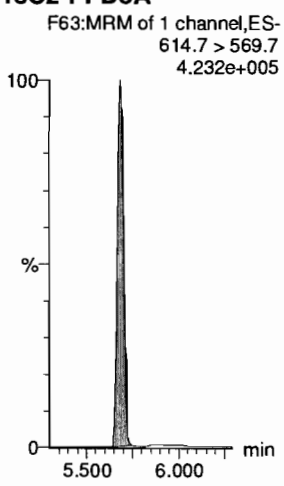


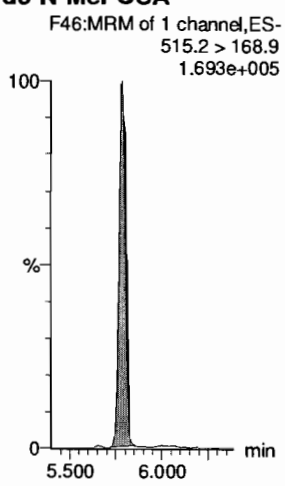

**13C2-8:2 FTS**




**13C2-PFDoA**




**d3-N-MeFOSA**

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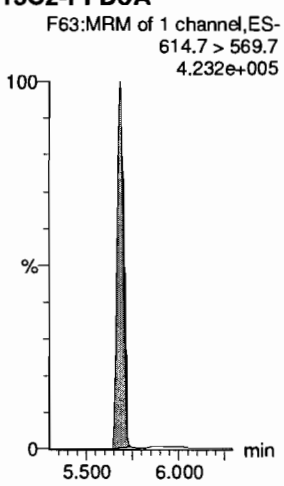


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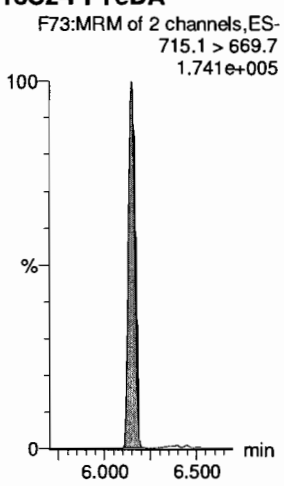


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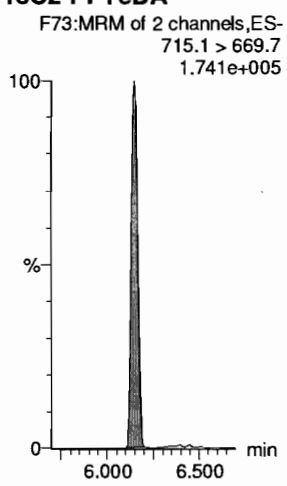
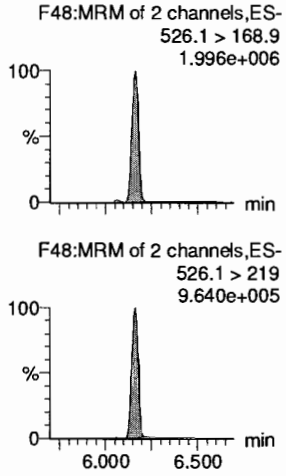


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

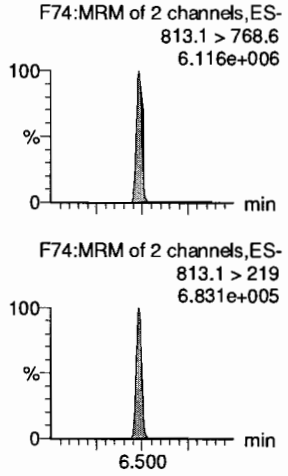
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

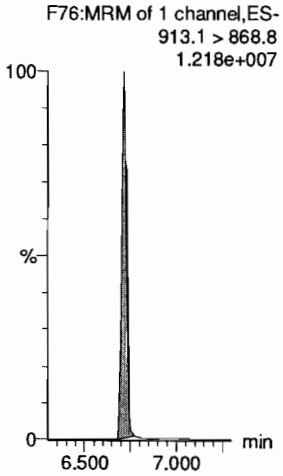
**N-EtFOSA**



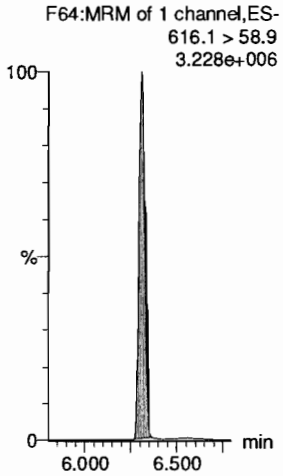

**PFHxDA**



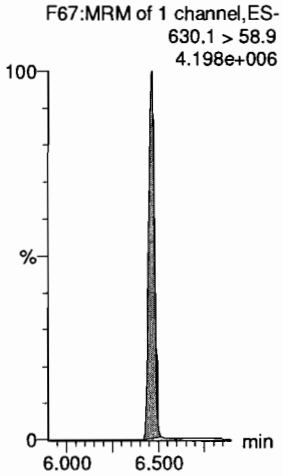

**PFODA**



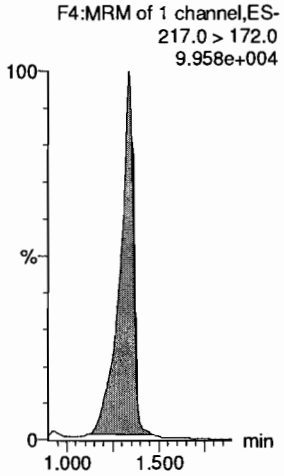

**N-MeFOSE**



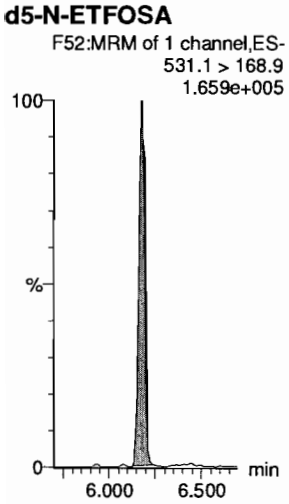

**N-EtFOSE**



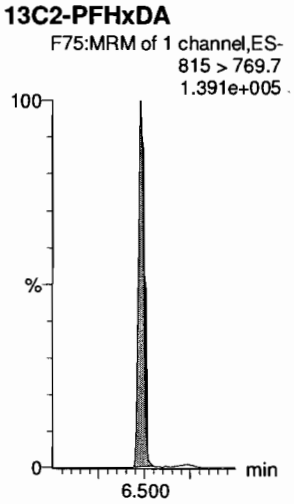

**13C4-PFBA**



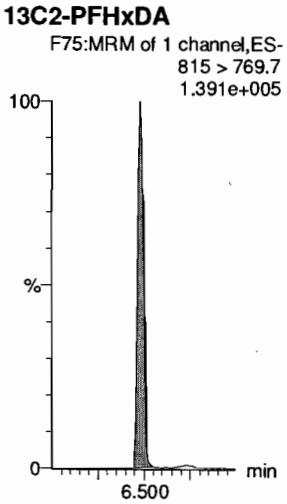

**d5-N-ETFOSA**



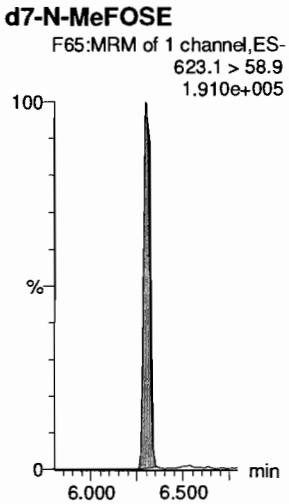

**13C2-PFHxDA**



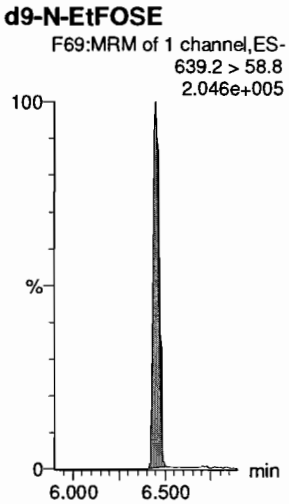

**13C2-PFHxDA**



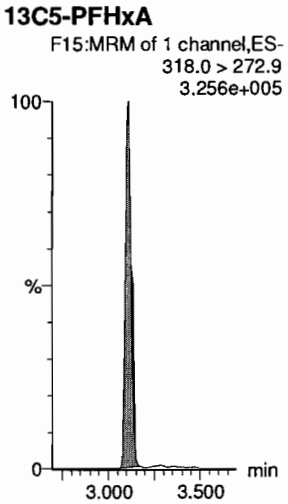

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

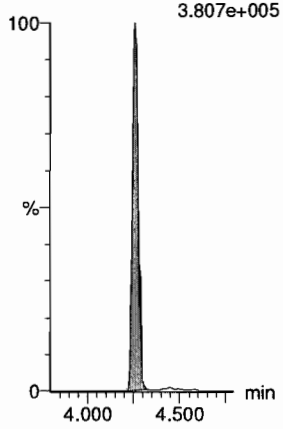


Dataset: F:\Projects\PFAS.PRO\Results\190801M2\190802M2-CRV.qld

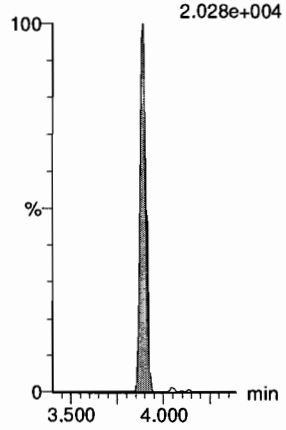
Last Altered: Friday, August 02, 2019 15:31:23 Pacific Daylight Time
Printed: Friday, August 02, 2019 15:32:22 Pacific Daylight Time

**Name: 190802M2_12, Date: 02-Aug-2019, Time: 14:22:39, ID: ST190802M2-10 PFC CS7 19G2310, Description: PFC CS7 19G2010**

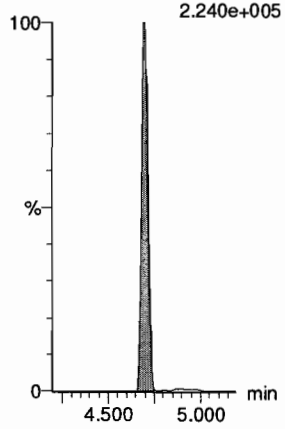
**13C8-PFOA**



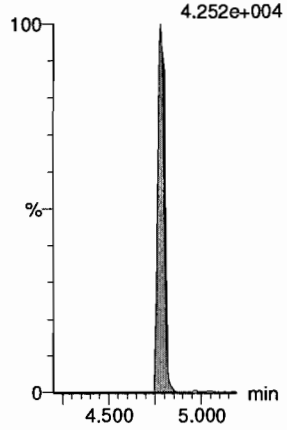

**18O2-PFHxS**



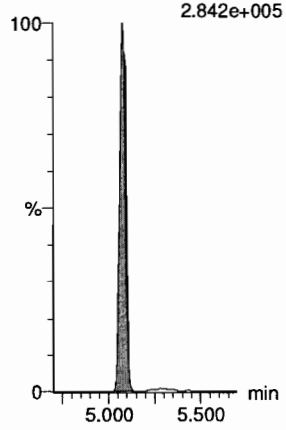

**13C9-PFNA**



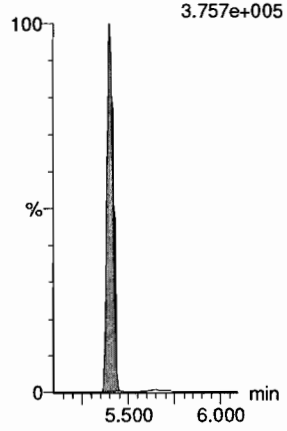

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

(A) Compound not present in ICV

Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

JM 8/4/19

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | 4661.205 | 5696.498 | 1.00 | 1.34 | 10.228 | 7.6 | 75.7 | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 1063.093 | 1.00 | | | | (A) | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 6887.573 | 1.00 | | | | ↓ | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | 3737.622 | 6887.573 | 1.00 | 2.33 | 6.783 | 7.9 | 78.6 | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | 1186.082 | 1063.093 | 1.00 | 2.61 | 13.946 | 6.5 | 73.3 | NO | 3.197 | NO |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | 2896.385 | 2089.323 | 1.00 | 3.02 | 17.328 | 7.0 | 74.8 | NO | 2.135 | NO |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 5696.498 | 8287.545 | 1.00 | 1.34 | 8.592 | 12.9 | 102.9 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1063.093 | 1002.001 | 1.00 | 2.61 | 13.262 | 12.5 | 99.9 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 6887.573 | 15702.045 | 1.00 | 2.33 | 5.483 | 11.8 | 94.7 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 6887.573 | 15702.045 | 1.00 | 2.33 | 5.483 | 11.8 | 94.7 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1063.093 | 1002.001 | 1.00 | 2.61 | 13.262 | 12.5 | 99.9 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 2089.323 | 1002.001 | 1.00 | 3.02 | 26.064 | 13.5 | 108.3 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | 9078.856 | 5082.058 | 1.00 | 3.11 | 8.932 | 8.3 | 82.9 | NO | 12.507 | NO |
| 15 | 8 | PFPeS | 349.1>80.1 | 1063.421 | 1063.093 | 1.00 | 3.31 | 12.504 | 7.9 | 79.0 | NO | 1.375 | NO |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 1217.462 | 1.00 | | | | (A) | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 5928.152 | 1.00 | | | | ↓ | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | 4168.373 | 5928.152 | 1.00 | 3.74 | 8.789 | 7.2 | 72.1 | NO | 4.183 | YES |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 5928.152 | 1.00 | | | | (A) | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 5082.058 | 15702.045 | 1.00 | 3.11 | 4.046 | 5.0 | 99.9 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1063.093 | 1002.001 | 1.00 | 2.61 | 13.262 | 12.5 | 99.9 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 1217.462 | 15702.045 | 1.00 | 3.33 | 0.969 | 4.3 | 85.2 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 5928.152 | 15702.045 | 1.00 | 3.74 | 4.719 | 12.5 | 99.8 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 5928.152 | 15702.045 | 1.00 | 3.74 | 4.719 | 12.5 | 99.8 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 5928.152 | 15702.045 | 1.00 | 3.74 | 4.719 | 12.5 | 99.8 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 1187.902 | 2389.434 | 1.00 | 3.89 | 6.214 | 6.7 | 73.9 | NO | 2.429 | NO |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 2609.533 | 1651.807 | 1.00 | 4.20 | 19.748 | 7.5 | 78.4 | NO | 2.248 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 13767.192 | 11370.497 | 1.00 | 4.26 | 15.135 | 8.1 | 81.3 | NO | 3.938 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 11370.497 | 1.00 | | | | (A) | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 1033.066 | 2362.148 | 1.00 | 4.37 | 5.467 | 6.9 | 72.9 | NO | 1.686 | NO |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 13194.184 | 1.00 | | | | (A) | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 2389.434 | 1002.001 | 1.00 | 3.89 | 29.808 | 13.0 | 103.9 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 1651.807 | 2212.336 | 1.00 | 4.20 | 9.333 | 13.4 | 106.8 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 11370.497 | 23119.051 | 1.00 | 4.26 | 6.148 | 12.2 | 97.9 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 11370.497 | 23119.051 | 1.00 | 4.26 | 6.148 | 12.2 | 97.9 | NO | | |

Cdt 8/3/19

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2362.148 | 2212.336 | 1.00 | 4.79 | 13.346 | 13.4 | 107.4 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 13194.184 | 13193.813 | 1.00 | 4.70 | 12.500 | 11.9 | 95.4 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | 8108.220 | 13194.184 | 1.00 | 4.70 | 7.682 | 7.7 | 76.9 | NO | 3.062 | NO |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 2387.190 | 3514.970 | 1.00 | 4.76 | 8.489 | 7.5 | 74.5 | NO | 32.547 | NO |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 1562.889 | 2362.148 | 1.00 | 4.78 | 8.270 | 6.5 | 70.8 | NO | 2.150 | NO |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 2362.148 | 1.00 | | | | A | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 9140.856 | 10631.548 | 1.00 | 5.08 | 10.747 | 7.6 | 75.6 | NO | 4.560 | NO |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 2022.592 | 1639.043 | 1.00 | 5.05 | 15.425 | 7.4 | 76.7 | NO | 1.390 | NO |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 13194.184 | 13193.813 | 1.00 | 4.70 | 12.500 | 11.9 | 95.4 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 3514.970 | 21588.607 | 1.00 | 4.76 | 2.035 | 11.3 | 90.0 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2362.148 | 2212.336 | 1.00 | 4.79 | 13.346 | 13.4 | 107.4 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2362.148 | 2212.336 | 1.00 | 4.79 | 13.346 | 13.4 | 107.4 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 10631.548 | 15456.253 | 1.00 | 5.08 | 8.598 | 12.1 | 96.8 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 1639.043 | 2212.336 | 1.00 | 5.05 | 9.261 | 13.2 | 105.5 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 1161.771 | 2362.148 | 1.00 | 5.14 | 6.148 | 7.7 | 79.7 | NO | 1.611 | NO |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 5368.288 | 2792.876 | 1.00 | 5.23 | 24.027 | 8.5 | 85.1 | NO | 2.744 | NO |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 4283.668 | 4162.310 | 1.00 | 5.38 | 12.864 | 9.2 | 92.3 | NO | 1.362 | NO |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 9371.081 | 17437.930 | 1.00 | 5.40 | 6.717 | 7.7 | 76.8 | NO | 5.835 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | 1651.904 | 1639.043 | 1.00 | 5.45 | 12.598 | 6.9 | 71.7 | NO | 1.865 | NO |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 18666.164 | 1.00 | | | | A | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2362.148 | 2212.336 | 1.00 | 4.79 | 13.346 | 13.4 | 107.4 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 2792.876 | 21588.607 | 1.00 | 5.22 | 1.617 | 11.3 | 90.5 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 4162.310 | 21588.607 | 1.00 | 5.38 | 2.410 | 11.9 | 95.2 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 17437.930 | 21588.607 | 1.00 | 5.40 | 10.097 | 12.1 | 97.0 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 1639.043 | 2212.336 | 1.00 | 5.05 | 9.261 | 13.2 | 105.5 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 18666.164 | 15456.253 | 1.00 | 5.69 | 15.096 | 12.1 | 96.7 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | | 1639.043 | 1.00 | | | | A | NO | | |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 12159.823 | 18666.164 | 1.00 | 5.69 | 8.143 | 8.3 | 82.8 | NO | 8.092 | NO |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 7006.353 | 1.00 | | | | A | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 12602.048 | 18666.164 | 1.00 | 5.93 | 8.439 | 7.9 | 79.5 | NO | 13.782 | NO |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 8888.607 | 1.00 | | | | A | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 9993.896 | 8888.607 | 1.00 | 6.15 | 14.054 | 8.1 | 80.7 | NO | 16.866 | NO |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 18666.164 | 15456.253 | 1.00 | 5.69 | 15.096 | 12.1 | 96.7 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
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**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 18666.164 | 15456.253 | 1.00 | 5.69 | 15.096 | 12.1 | 96.7 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 7006.353 | 21588.607 | 1.00 | 5.78 | 4.057 | 130.4 | 87.0 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 18666.164 | 15456.253 | 1.00 | 5.69 | 15.096 | 12.1 | 96.7 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 8888.607 | 21588.607 | 1.00 | 6.15 | 5.147 | 11.4 | 91.1 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 8888.607 | 21588.607 | 1.00 | 6.15 | 5.147 | 11.4 | 91.1 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 8781.552 | 1.00 | | | | (A) | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | | 5765.001 | 1.00 | | | | | NO | | |
| 81 | 44 | PFODA | 913.1 > 868.8 | | 5765.001 | 1.00 | | | | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 7290.290 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 7853.909 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 8287.545 | 8287.545 | 1.00 | 1.34 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 8781.552 | 21588.607 | 1.00 | 6.18 | 5.085 | 139.0 | 92.7 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 5765.001 | 21588.607 | 1.00 | 6.48 | 3.338 | 4.7 | 93.4 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 5765.001 | 21588.607 | 1.00 | 6.48 | 3.338 | 4.7 | 93.4 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 7290.290 | 21588.607 | 1.00 | 6.30 | 4.221 | 128.6 | 85.8 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 7853.909 | 21588.607 | 1.00 | 6.45 | 4.547 | 132.3 | 88.2 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 15702.045 | 15702.045 | 1.00 | 3.11 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 23119.051 | 23119.051 | 1.00 | 4.26 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1002.001 | 1002.001 | 1.00 | 3.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 13193.813 | 13193.813 | 1.00 | 4.70 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 2212.336 | 2212.336 | 1.00 | 4.78 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 15456.253 | 15456.253 | 1.00 | 5.08 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 21588.607 | 21588.607 | 1.00 | 5.40 | 12.500 | 12.5 | 100.0 | NO | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

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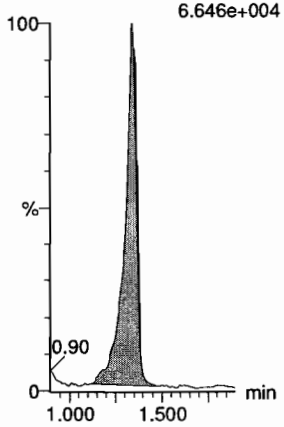
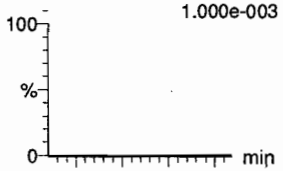
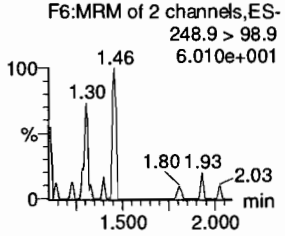
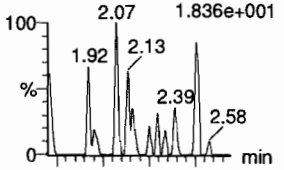
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219_ICV.mdb 03 Aug 2019 11:14:30**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

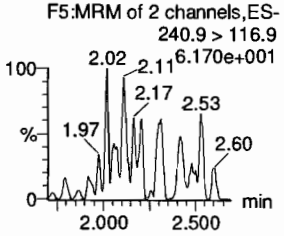
**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

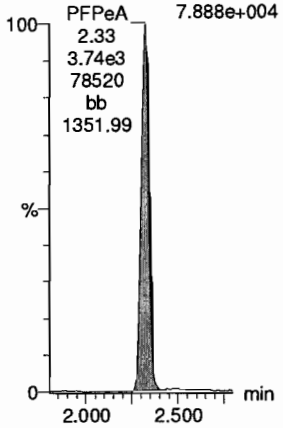
**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
6.646e+004


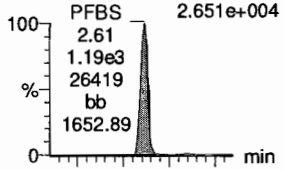

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
1.000e-003


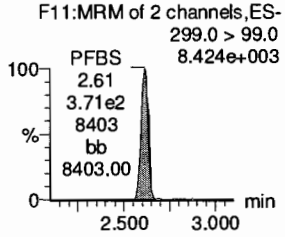
F6:MRM of 2 channels,ES-
248.9 > 98.9
6.010e+001


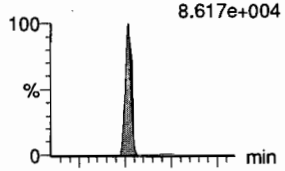

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
1.836e+001


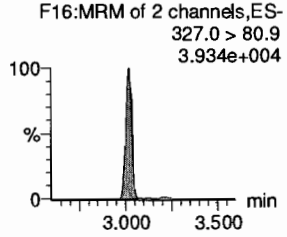
F5:MRM of 2 channels,ES-
240.9 > 116.9
6.170e+001


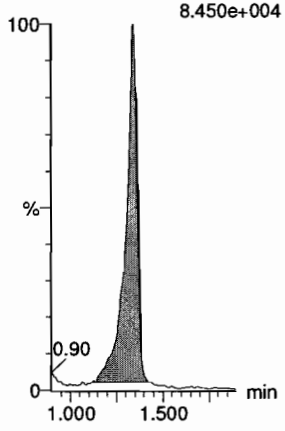

**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
7.888e+004


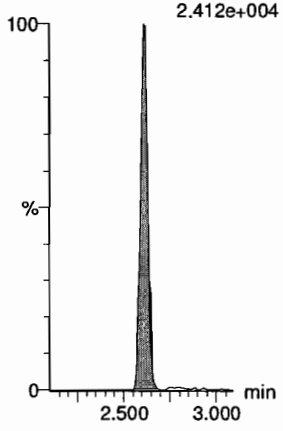

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
2.651e+004


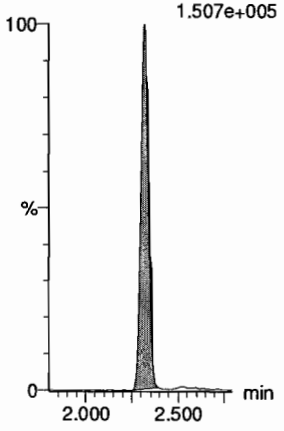
F11:MRM of 2 channels,ES-
299.0 > 99.0
8.424e+003


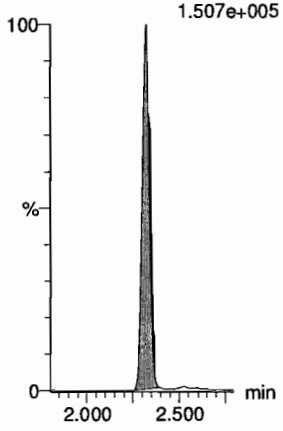

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
8.617e+004


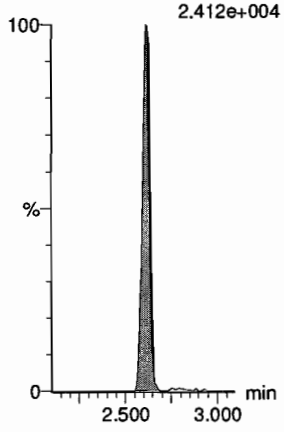
F16:MRM of 2 channels,ES-
327.0 > 80.9
3.934e+004


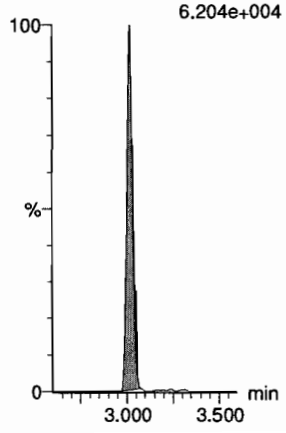

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.450e+004



**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.412e+004



**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
1.507e+005



**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
1.507e+005



**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.412e+004


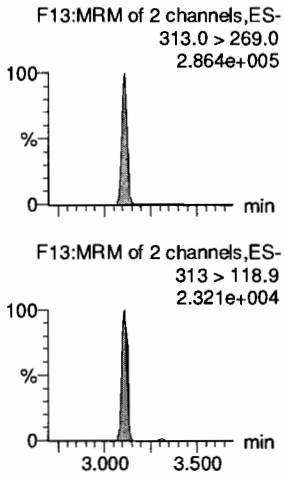

**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
6.204e+004


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

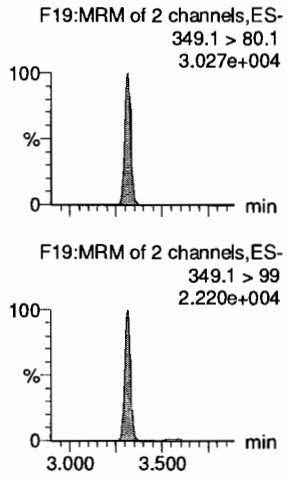
Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

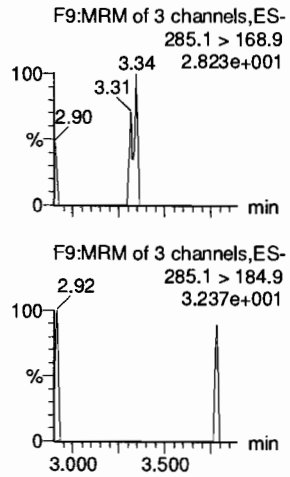
**PFHxA**



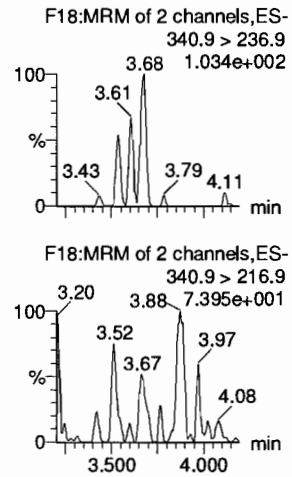

**PFPeS**



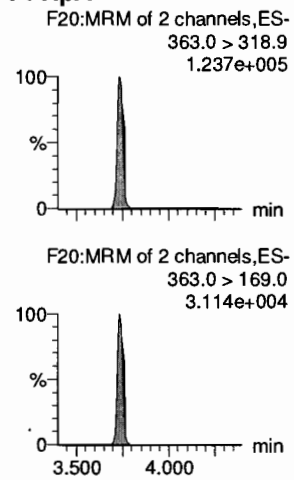

**HFPO-DA**



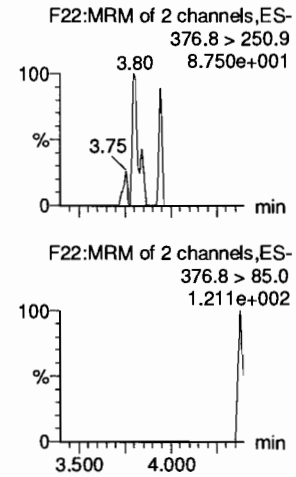

**5:3 FTCA**



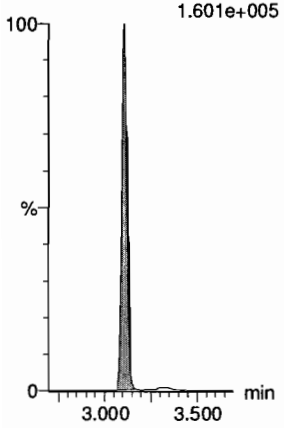

**PFHpA**




**ADONA**




**13C2-PFHxA**

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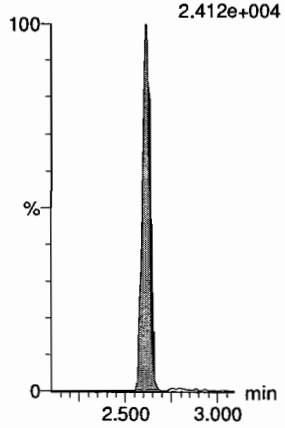


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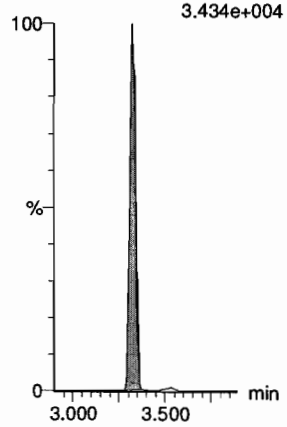


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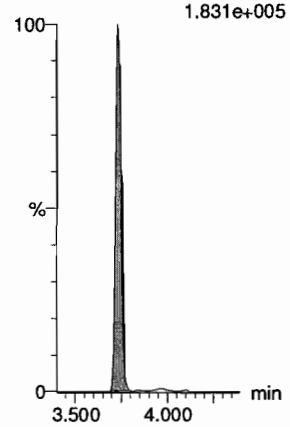


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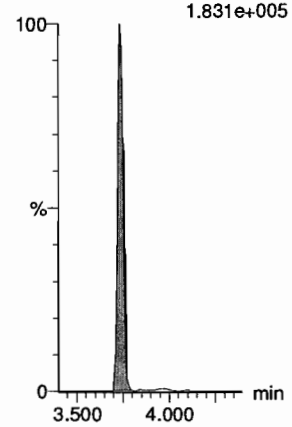


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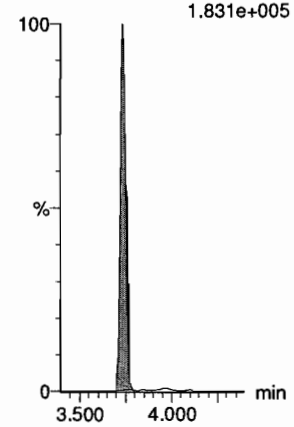

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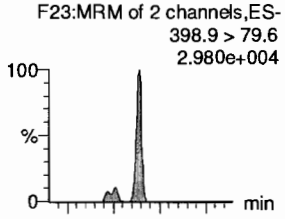
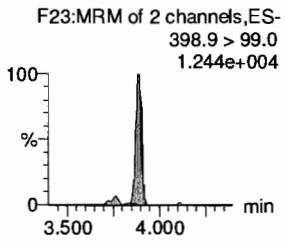
Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

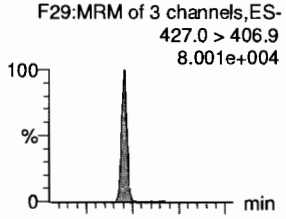
**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

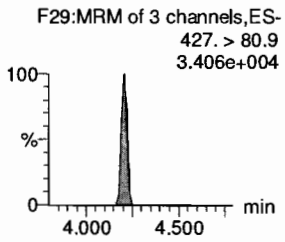
**L-PFHxS**




**6:2 FTS**

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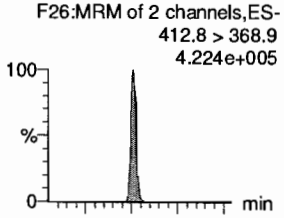


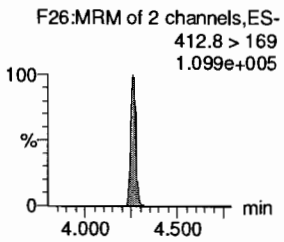


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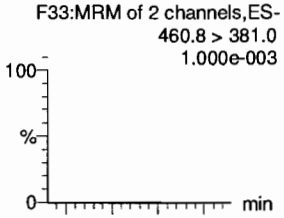
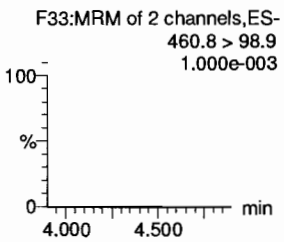
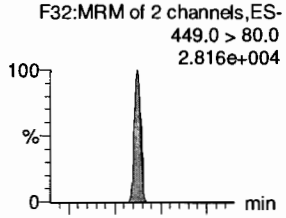
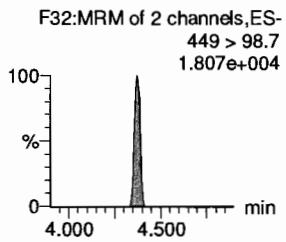


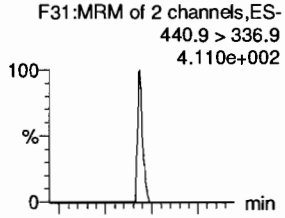



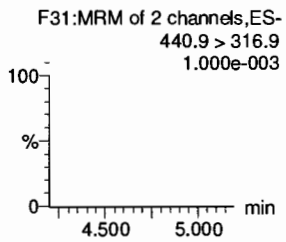

**PFHpS**



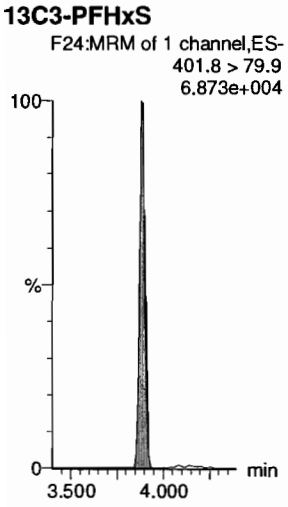




**7:3 FTCA**

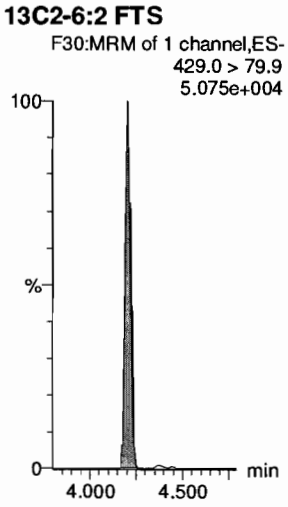


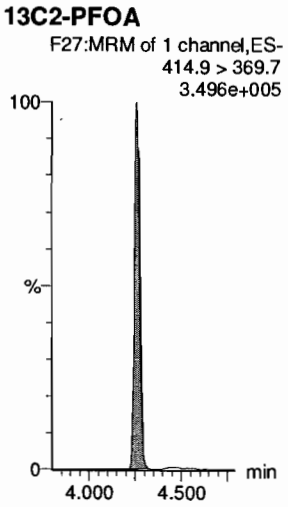

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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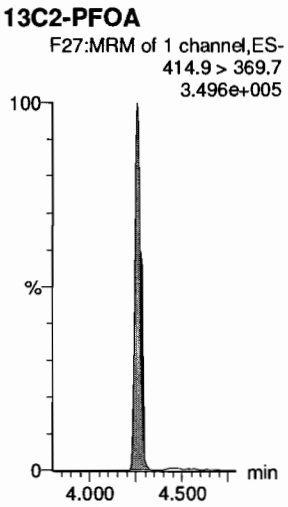
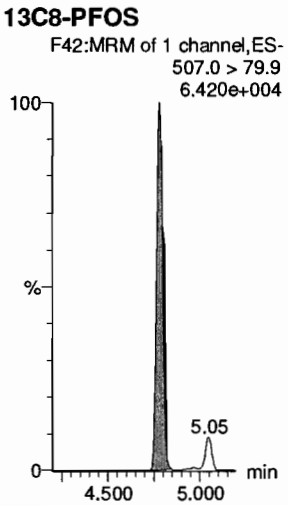



**13C8-PFOS**

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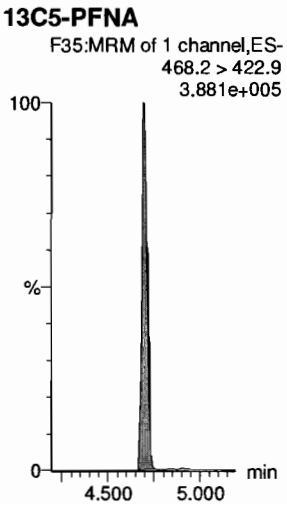

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**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

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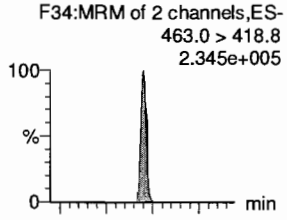


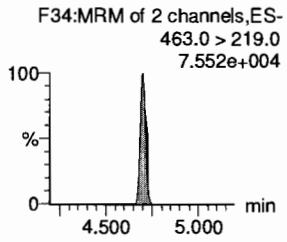


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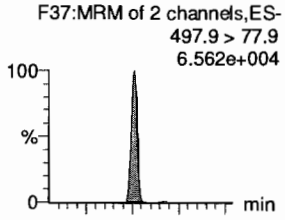
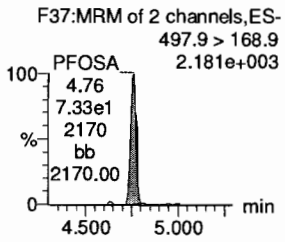
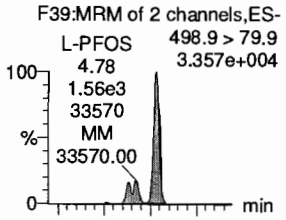
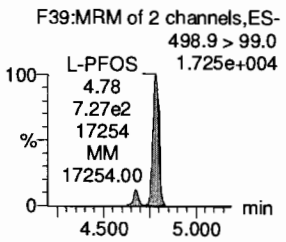



**L-PFOS**

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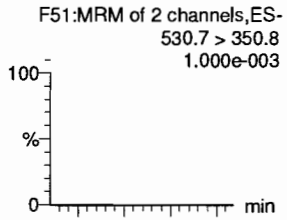


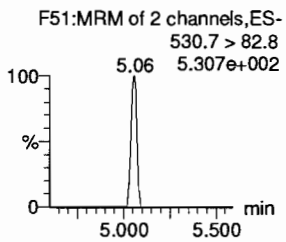


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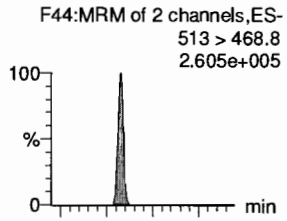
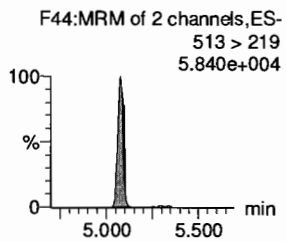
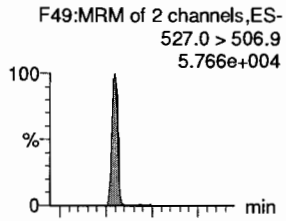
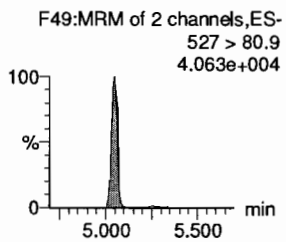


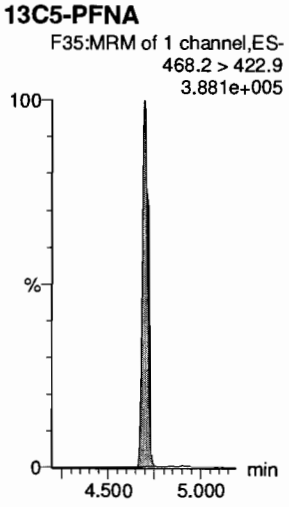




**8:2 FTS**

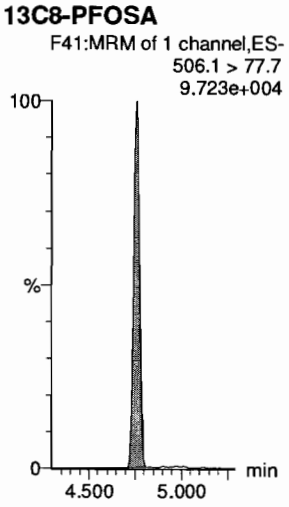


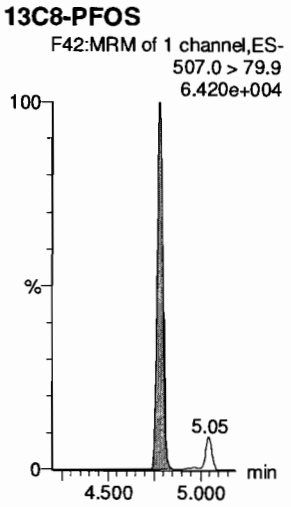

**13C5-PFNA**



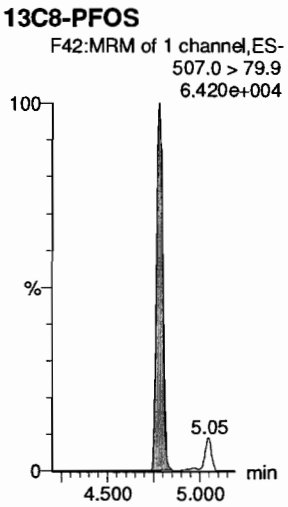

**13C8-PFOSA**




**13C8-PFOS**




**13C8-PFOS**

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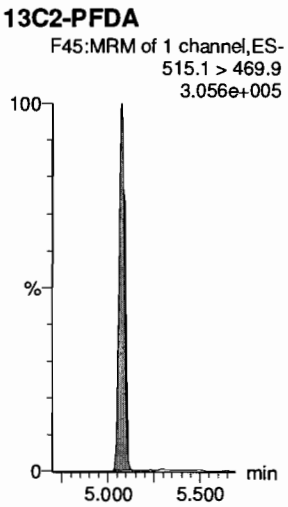
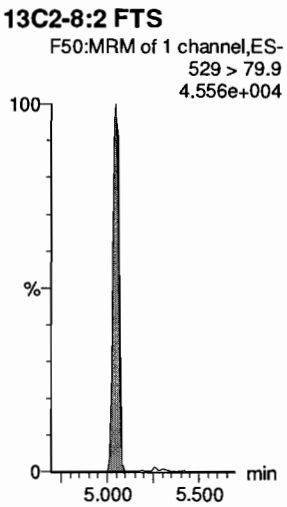



**13C2-8:2 FTS**



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**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

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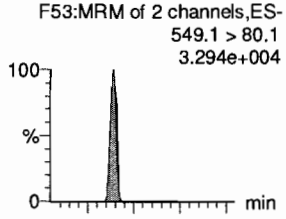
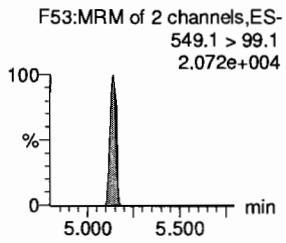
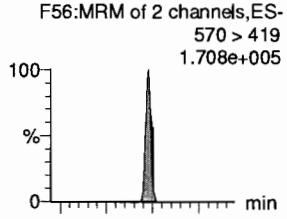
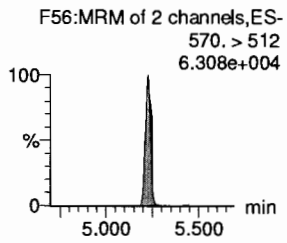


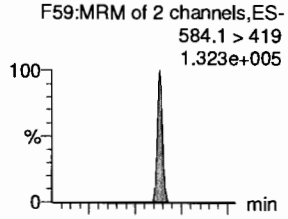



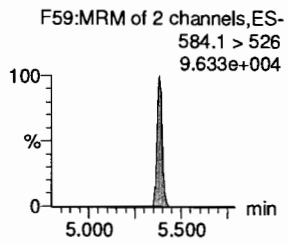

**L-MeFOSAA**



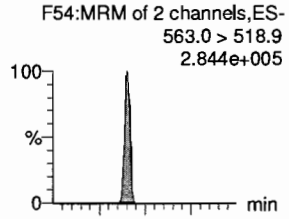



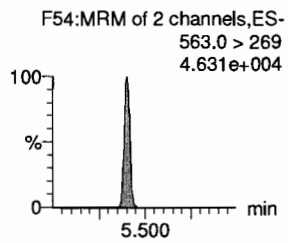

**L-EtFOSAA**



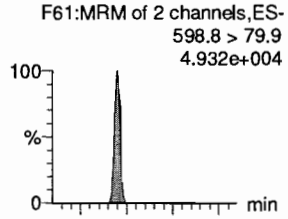



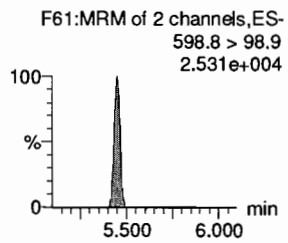

**PFUdA**



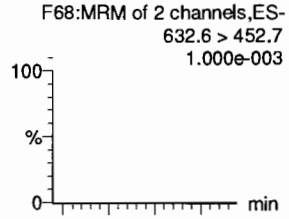



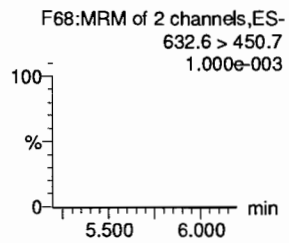

**PFDS**



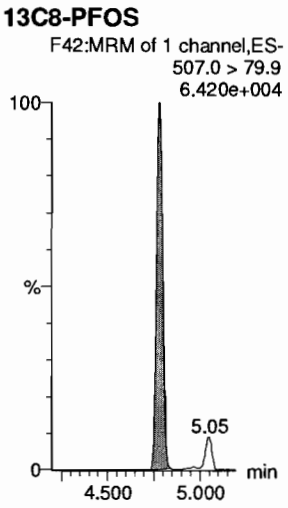




**11Cl-PF30UdS**

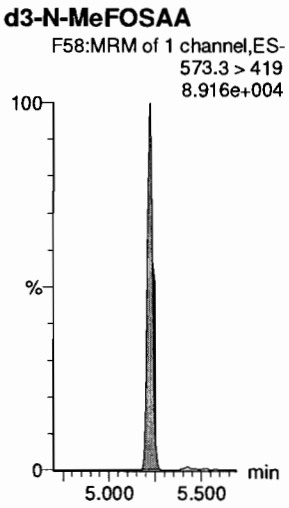


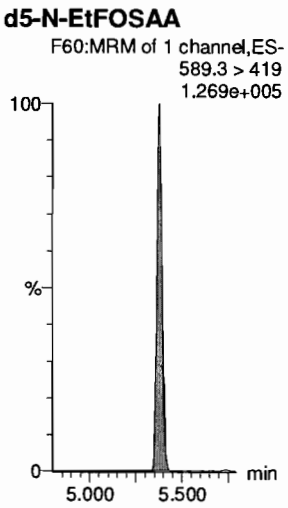

**13C8-PFOS**



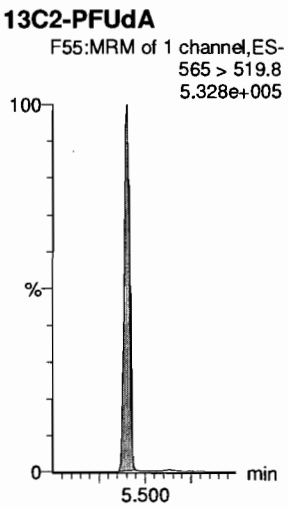

**d3-N-MeFOSAA**



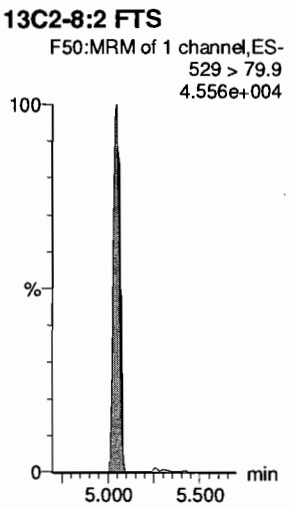

**d5-N-EtFOSAA**



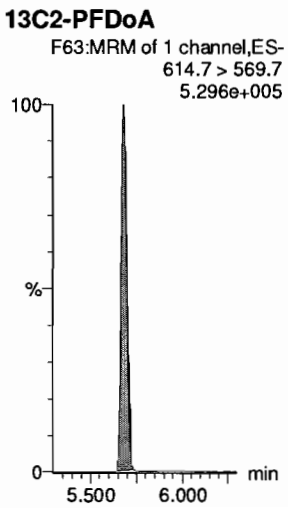

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

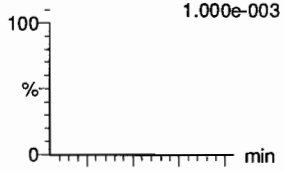


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

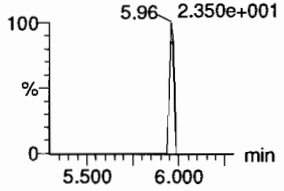
Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

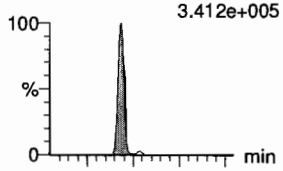
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
1.000e-003



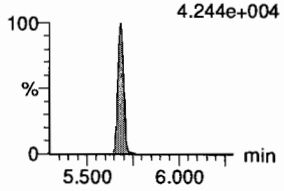
F66:MRM of 2 channels,ES-
627.0 > 80.9
5.96 2.350e+001



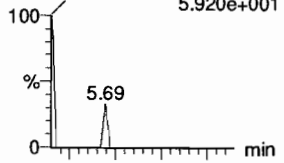
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
3.412e+005



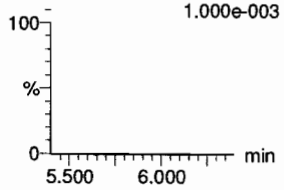
F62:MRM of 4 channels,ES-
612.9 > 318.8
4.244e+004



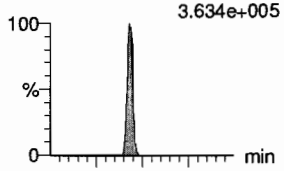
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
5.920e+001



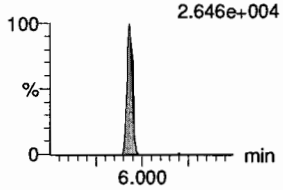

F43:MRM of 2 channels,ES-
512.1 > 219
1.000e-003



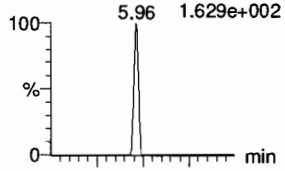
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
3.634e+005



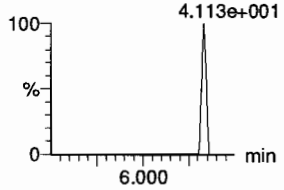
F70:MRM of 2 channels,ES-
662.9 > 319
2.646e+004



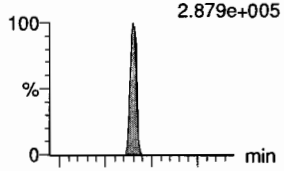
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
5.96 1.629e+002



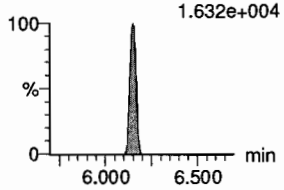
F71:MRM of 2 channels,ES-
698.8 > 98.9
4.113e+001



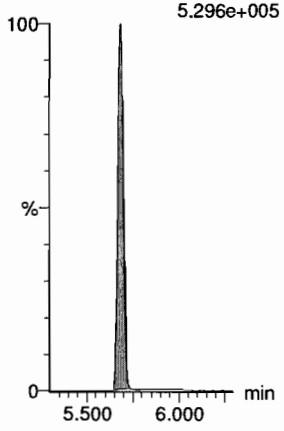
**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
2.879e+005



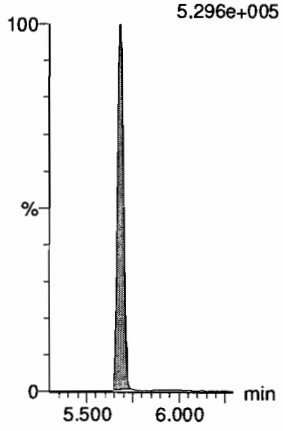
F72:MRM of 2 channels,ES-
713. > 369.0
1.632e+004



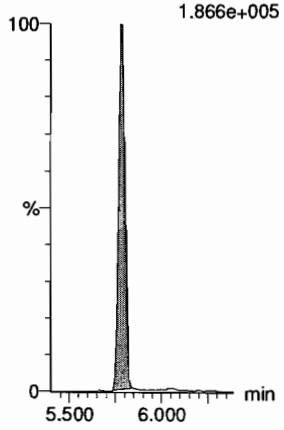
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.296e+005



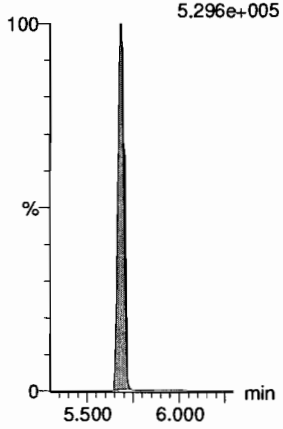
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.296e+005



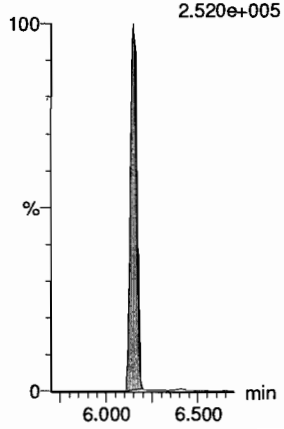
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
1.866e+005



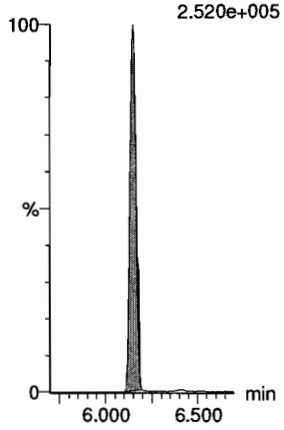
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
5.296e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.520e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
2.520e+005

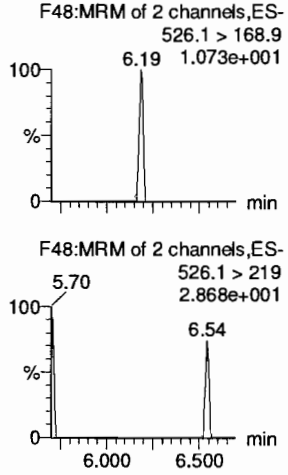


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

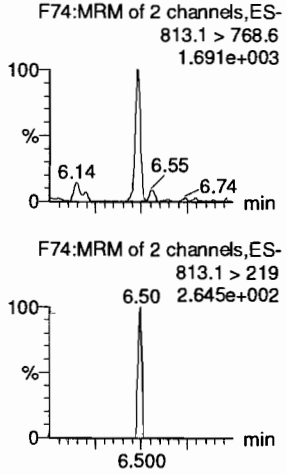
Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

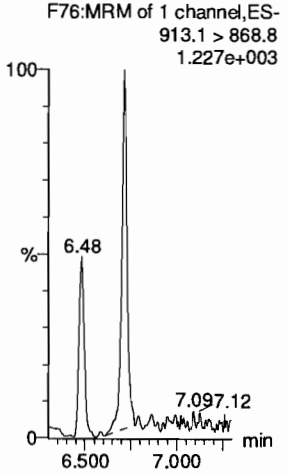
**N-EtFOSA**



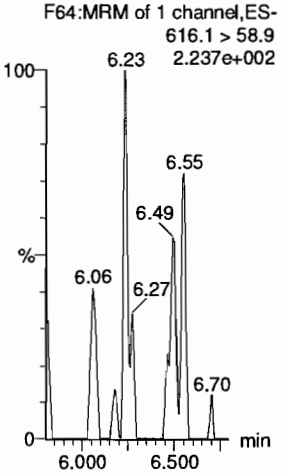

**PFHxDA**



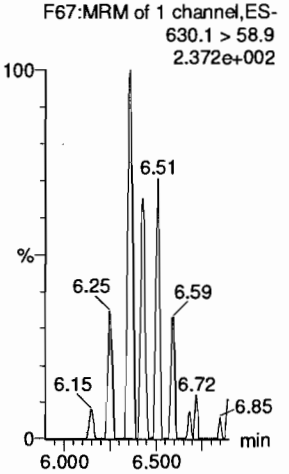

**PFODA**



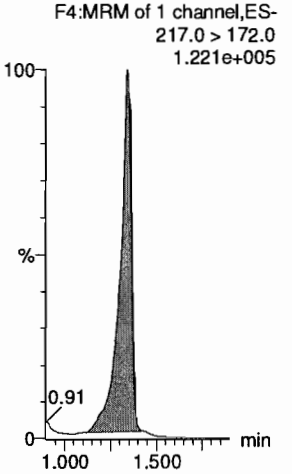

**N-MeFOSE**



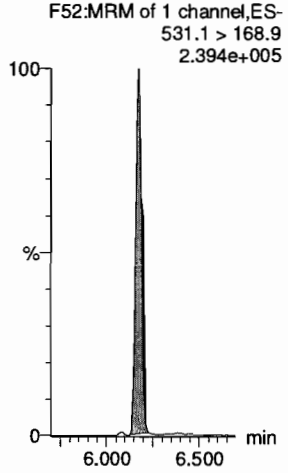

**N-EtFOSE**



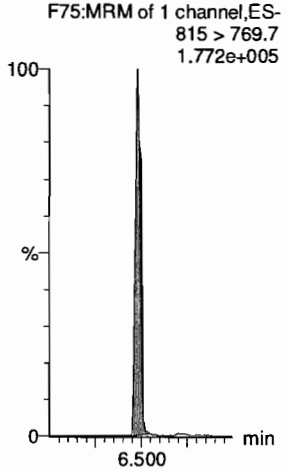

**13C4-PFBA**



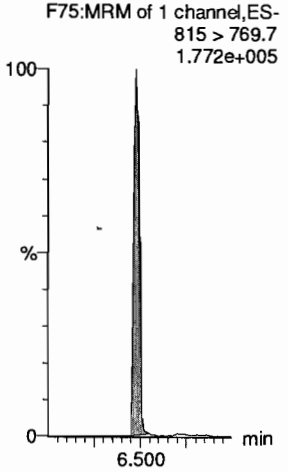

**d5-N-ETFOSA**



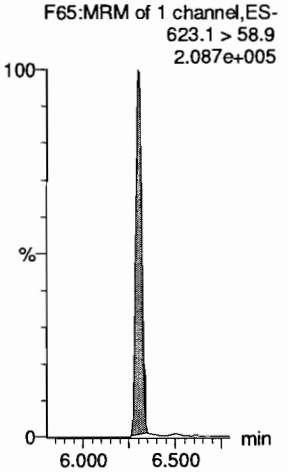

**13C2-PFHxDA**



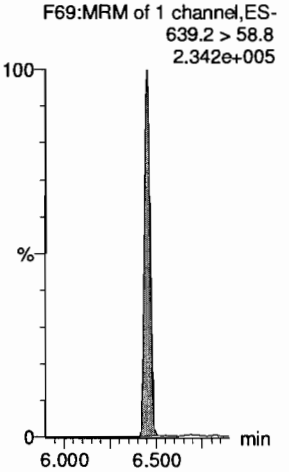

**13C2-PFHxDA**



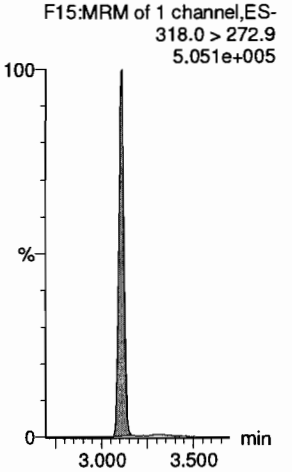

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

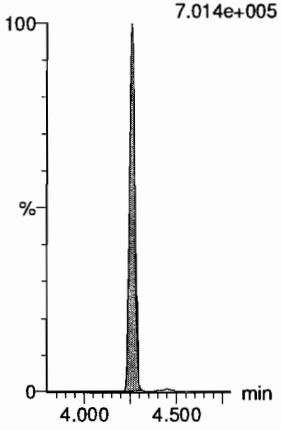


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-ICV.qld

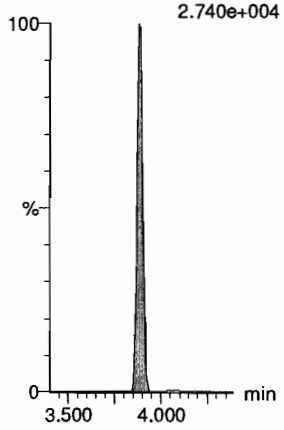
Last Altered: Saturday, August 03, 2019 11:14:31 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:15:08 Pacific Daylight Time

**Name: 190802M2_14, Date: 02-Aug-2019, Time: 14:43:51, ID: ICV190802M2-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

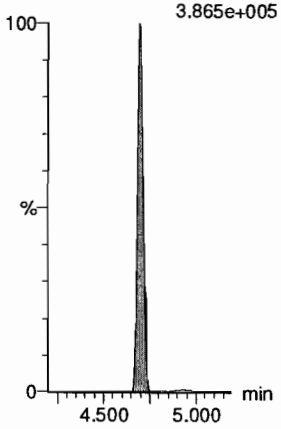
**13C8-PFOA**



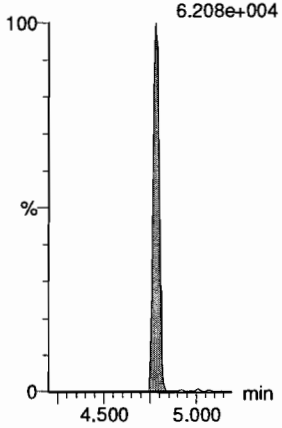

**18O2-PFHxS**



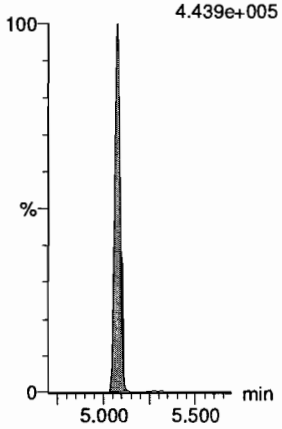

**13C9-PFNA**



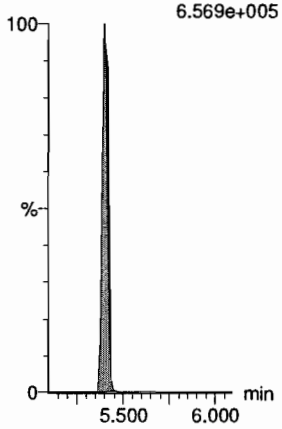

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | | 5831.488 | 1.00 | | | | | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 1134.390 | 1.00 | | | | | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 7128.258 | 1.00 | | | | | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | | 7128.258 | 1.00 | | | | | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | | 1134.390 | 1.00 | | | | | NO | | |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | | 2139.970 | 1.00 | | | | | NO | | |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 5831.488 | 9126.706 | 1.00 | 1.35 | 7.987 | 12.0 | 95.7 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1134.390 | 1033.382 | 1.00 | 2.61 | 13.722 | 12.9 | 103.4 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 7128.258 | 16457.232 | 1.00 | 2.33 | 5.414 | 11.7 | 93.5 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 7128.258 | 16457.232 | 1.00 | 2.33 | 5.414 | 11.7 | 93.5 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1134.390 | 1033.382 | 1.00 | 2.61 | 13.722 | 12.9 | 103.4 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 2139.970 | 1033.382 | 1.00 | 3.02 | 25.886 | 13.4 | 107.5 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | | 5251.966 | 1.00 | | | | | NO | | |
| 15 | 8 | PFPeS | 349.1>80.1 | | 1134.390 | 1.00 | | | | | NO | | |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 1436.659 | 1.00 | | | | | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 6160.399 | 1.00 | | | | | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | | 6160.399 | 1.00 | | | | | NO | | |
| 19 | 12 | ADONA | 376.8 > 250.9 | 71.548 | 6160.399 | 1.00 | 3.84 | 0.145 | 0.1 | | NO | 2.508 | NO |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 5251.966 | 16457.232 | 1.00 | 3.11 | 3.989 | 4.9 | 98.5 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 1134.390 | 1033.382 | 1.00 | 2.61 | 13.722 | 12.9 | 103.4 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 1436.659 | 16457.232 | 1.00 | 3.33 | 1.091 | 4.8 | 95.9 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 6160.399 | 16457.232 | 1.00 | 3.74 | 4.679 | 12.4 | 98.9 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 6160.399 | 16457.232 | 1.00 | 3.74 | 4.679 | 12.4 | 98.9 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 6160.399 | 16457.232 | 1.00 | 3.74 | 4.679 | 12.4 | 98.9 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | | 2568.451 | 1.00 | | | | | NO | | |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 2.236 | 1729.425 | 1.00 | 4.22 | 0.016 | 0.1 | 1.5 | YES | 0.884 | YES |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 253.035 | 12134.356 | 1.00 | 4.26 | 0.261 | 0.1 | | NO | 4.774 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 12134.356 | 1.00 | | | | | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | | 2222.551 | 1.00 | | | | | NO | | |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 14012.540 | 1.00 | | | | | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 2568.451 | 1033.382 | 1.00 | 3.89 | 31.069 | 13.5 | 108.3 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 1729.425 | 2447.175 | 1.00 | 4.20 | 8.834 | 12.6 | 101.1 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 12134.356 | 24885.939 | 1.00 | 4.26 | 6.095 | 12.1 | 97.1 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 12134.356 | 24885.939 | 1.00 | 4.26 | 6.095 | 12.1 | 97.1 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2222.551 | 2447.175 | 1.00 | 4.78 | 11.353 | 11.4 | 91.4 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 14012.540 | 13234.008 | 1.00 | 4.70 | 13.235 | 12.6 | 101.0 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | | 14012.540 | 1.00 | | | | | NO | | |
| 41 | 22 | PFOSA | 497.9 > 77.9 | | 3796.940 | 1.00 | | | | | NO | | |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | | 2222.551 | 1.00 | | | | | NO | | |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 2222.551 | 1.00 | | | | | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 51.344 | 11358.464 | 1.00 | 5.08 | 0.057 | 0.0 | | NO | 22.569 | YES |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | | 1665.988 | 1.00 | | | | | NO | | |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 14012.540 | 13234.008 | 1.00 | 4.70 | 13.235 | 12.6 | 101.0 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 3796.940 | 23039.662 | 1.00 | 4.76 | 2.060 | 11.4 | 91.1 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2222.551 | 2447.175 | 1.00 | 4.78 | 11.353 | 11.4 | 91.4 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2222.551 | 2447.175 | 1.00 | 4.78 | 11.353 | 11.4 | 91.4 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 11358.464 | 15989.838 | 1.00 | 5.08 | 8.879 | 12.5 | 100.0 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 1665.988 | 2447.175 | 1.00 | 5.05 | 8.510 | 12.1 | 96.9 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | | 2222.551 | 1.00 | | | | | NO | | |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 51.244 | 2928.159 | 1.00 | 5.22 | 0.219 | 0.1 | | NO | 6.712 | YES |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | | 4448.063 | 1.00 | | | | | NO | | |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 121.457 | 18281.480 | 1.00 | 5.40 | 0.083 | 0.1 | | NO | 5.790 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | 6.131 | 1665.988 | 1.00 | 5.46 | 0.046 | 0.1 | | NO | 1.019 | NO |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 19880.961 | 1.00 | | | | | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 2222.551 | 2447.175 | 1.00 | 4.78 | 11.353 | 11.4 | 91.4 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 2928.159 | 23039.662 | 1.00 | 5.22 | 1.589 | 11.1 | 88.9 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 4448.063 | 23039.662 | 1.00 | 5.38 | 2.413 | 11.9 | 95.4 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 18281.480 | 23039.662 | 1.00 | 5.40 | 9.918 | 11.9 | 95.3 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 1665.988 | 2447.175 | 1.00 | 5.05 | 8.510 | 12.1 | 96.9 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 19880.961 | 15989.838 | 1.00 | 5.69 | 15.542 | 12.4 | 99.6 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | 18.795 | 1665.988 | 1.00 | 5.66 | 0.141 | | | NO | 3.280 | NO |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 145.637 | 19880.961 | 1.00 | 5.69 | 0.092 | 0.1 | | NO | 68.150 | YES |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 6914.275 | 1.00 | | | | | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | | 19880.961 | 1.00 | | | | | NO | | |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 10318.893 | 1.00 | | | | | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | | 10318.893 | 1.00 | | | | | NO | | |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 19880.961 | 15989.838 | 1.00 | 5.69 | 15.542 | 12.4 | 99.6 | NO | | |


CGH 8/3/2019

Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 19880.961 | 15989.838 | 1.00 | 5.69 | 15.542 | 12.4 | 99.6 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 6914.275 | 23039.662 | 1.00 | 5.79 | 3.751 | 120.6 | 80.4 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 19880.961 | 15989.838 | 1.00 | 5.69 | 15.542 | 12.4 | 99.6 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 10318.893 | 23039.662 | 1.00 | 6.15 | 5.598 | 12.4 | 99.1 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 10318.893 | 23039.662 | 1.00 | 6.15 | 5.598 | 12.4 | 99.1 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 9115.771 | 1.00 | | | | | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | 75.495 | 5762.840 | 1.00 | 6.48 | 0.066 | 0.0 | | NO | 8.791 | NO |
| 81 | 44 | PFODA | 913.1 > 868.8 | 82.797 | 5762.840 | 1.00 | 6.72 | 0.072 | 0.0 | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 7511.619 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 7719.268 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 9126.706 | 9126.706 | 1.00 | 1.35 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 9115.771 | 23039.662 | 1.00 | 6.18 | 4.946 | 135.2 | 90.1 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 5762.840 | 23039.662 | 1.00 | 6.48 | 3.127 | 4.4 | 87.5 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 5762.840 | 23039.662 | 1.00 | 6.48 | 3.127 | 4.4 | 87.5 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 7511.619 | 23039.662 | 1.00 | 6.30 | 4.075 | 124.2 | 82.8 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 7719.268 | 23039.662 | 1.00 | 6.45 | 4.188 | 121.9 | 81.2 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 16457.232 | 16457.232 | 1.00 | 3.11 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 24885.939 | 24885.939 | 1.00 | 4.26 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1033.382 | 1033.382 | 1.00 | 3.89 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 13234.008 | 13234.008 | 1.00 | 4.70 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 2447.175 | 2447.175 | 1.00 | 4.78 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 15989.838 | 15989.838 | 1.00 | 5.08 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 23039.662 | 23039.662 | 1.00 | 5.40 | 12.500 | 12.5 | 100.0 | NO | | |

Vista Analytical Laboratory

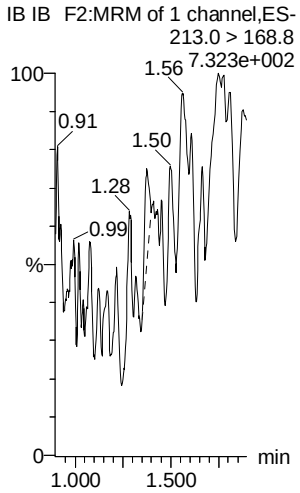
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

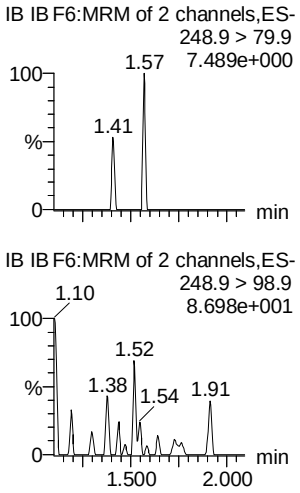
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072919_ICV.mdb 30 Jul 2019 08:46:01**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-02-19.cdb 03 Aug 2019 11:02:31**

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

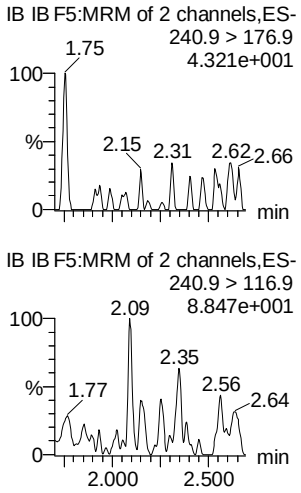
**PFBA**



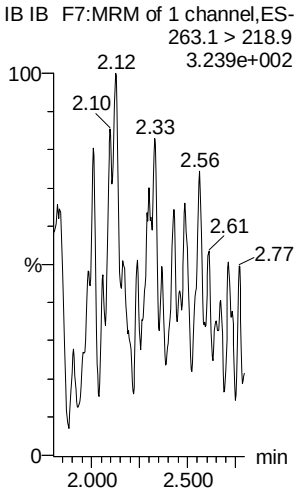

**PFPrS**



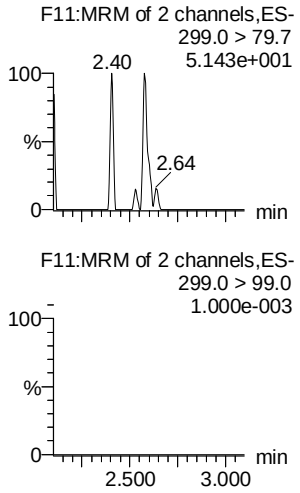

**3:3 FTCA**



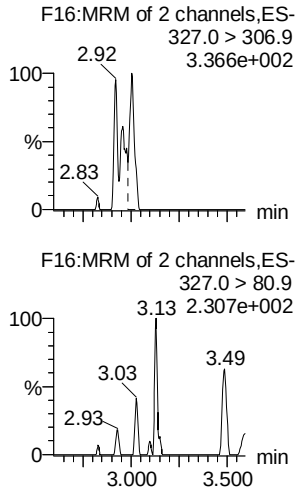

**PFPeA**



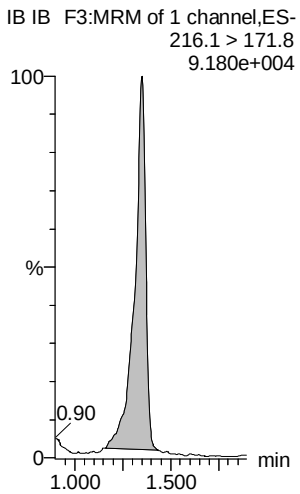

**PFBS**



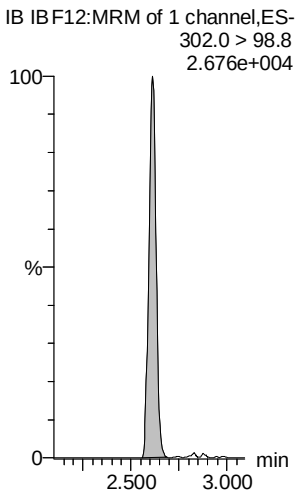

**4:2 FTS**



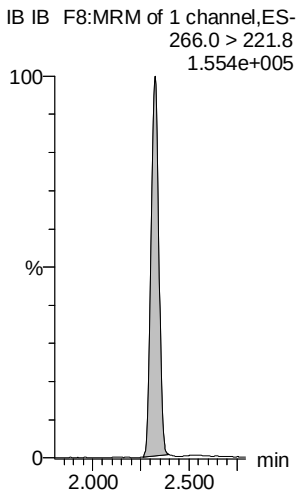

**13C3-PFBA**



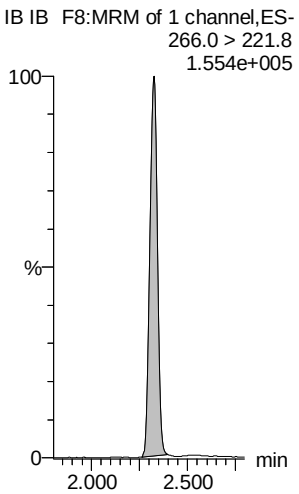

**13C3-PFBS**



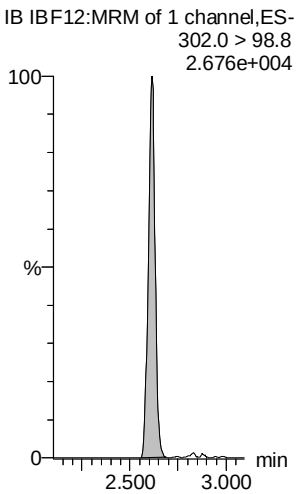

**13C3-PFPeA**



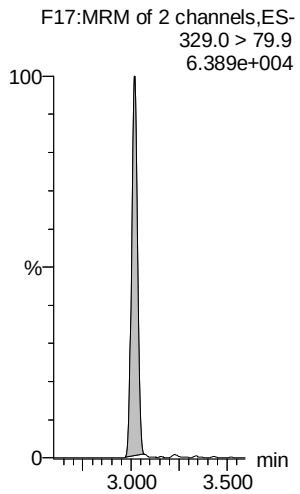

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**



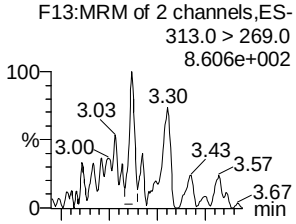
Vista Analytical Laboratory

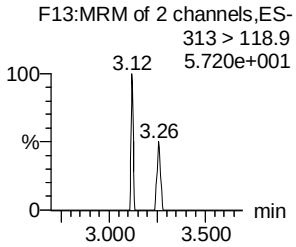
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

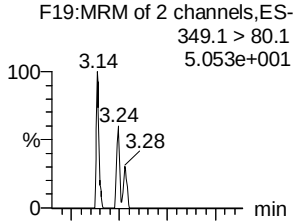
**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

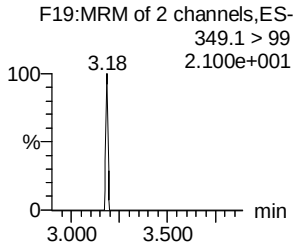
**PFHxA**



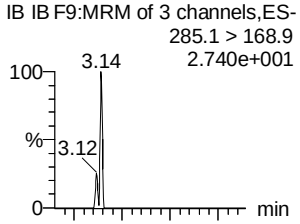



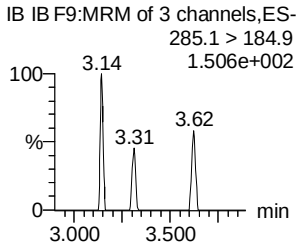

**PFPeS**



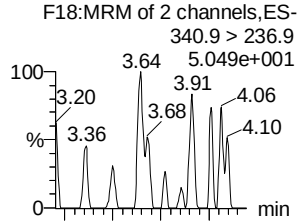



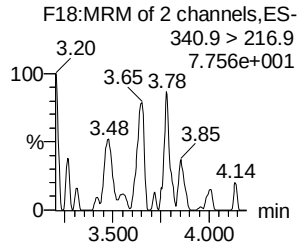

**HFPO-DA**




**5:3 FTCA**

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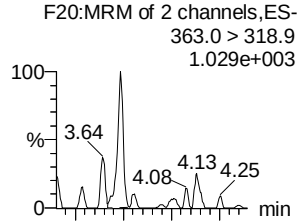


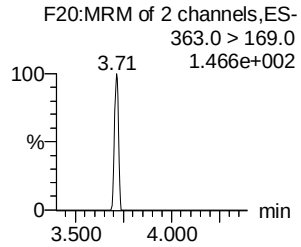


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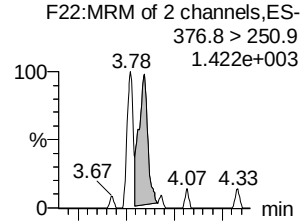


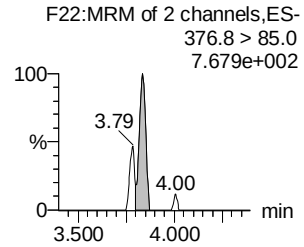


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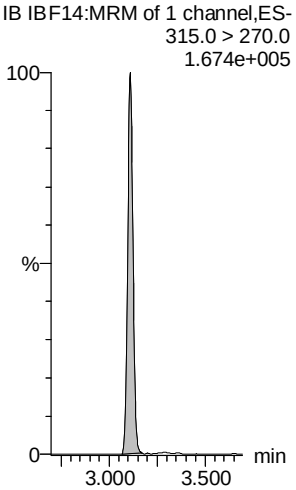


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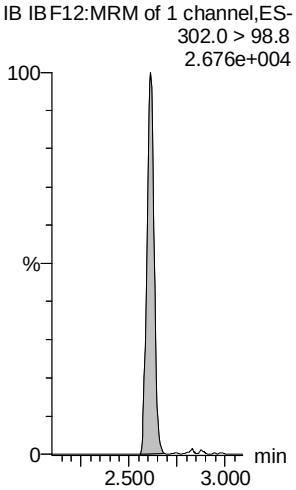


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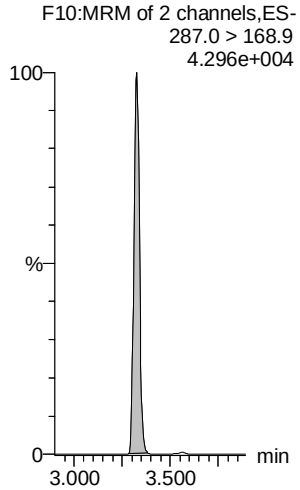


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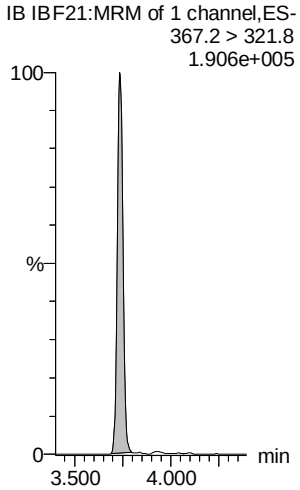


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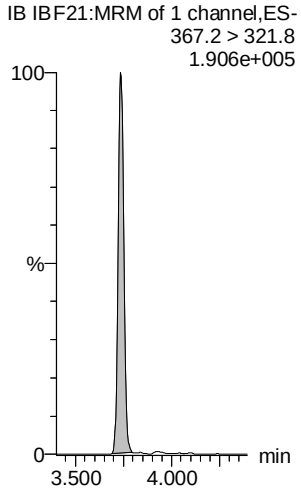


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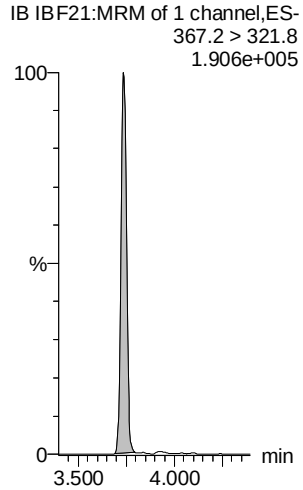

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Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

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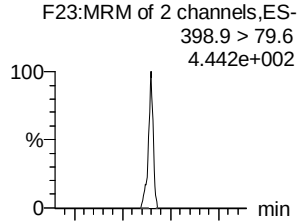


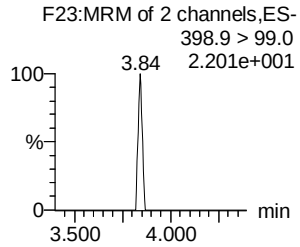


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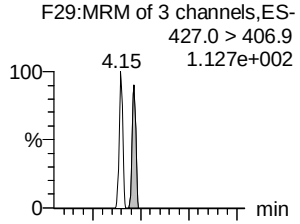


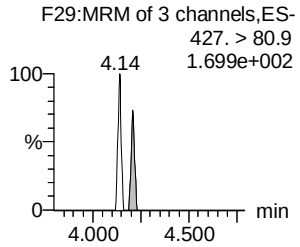


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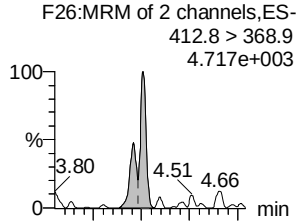


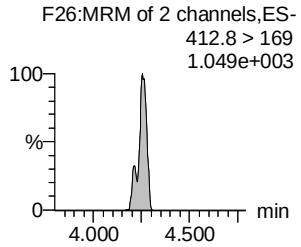


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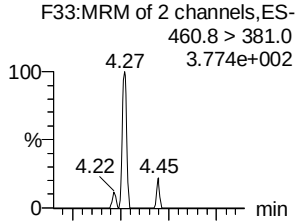


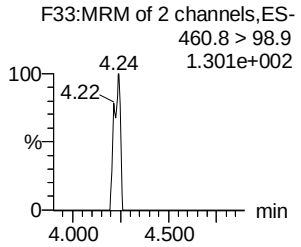


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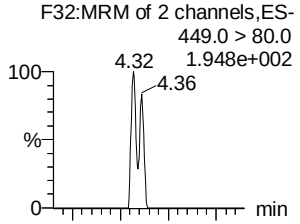
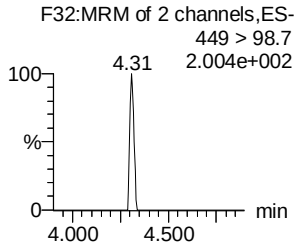
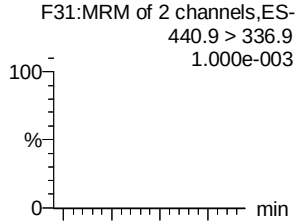
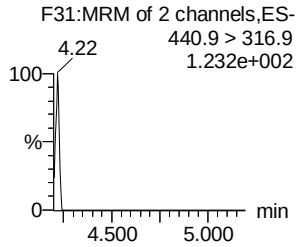



**7:3 FTCA**

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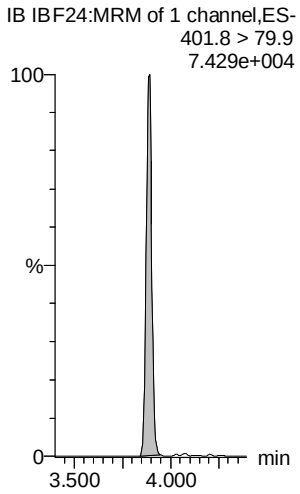
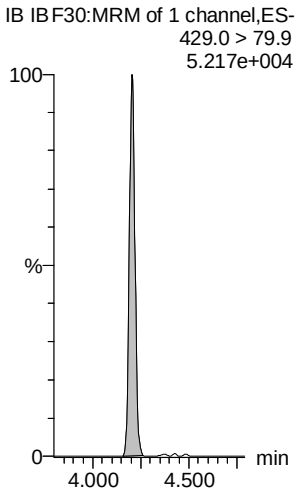



**13C2-6:2 FTS**

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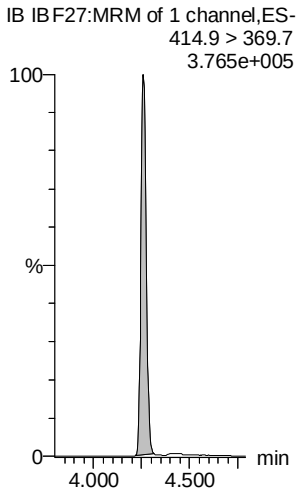


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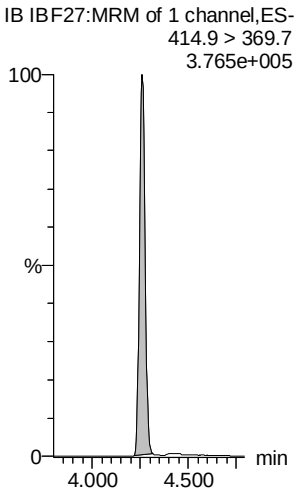
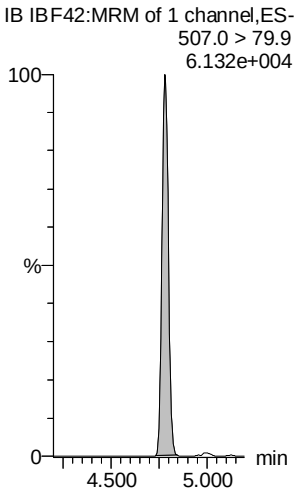



**13C8-PFOS**

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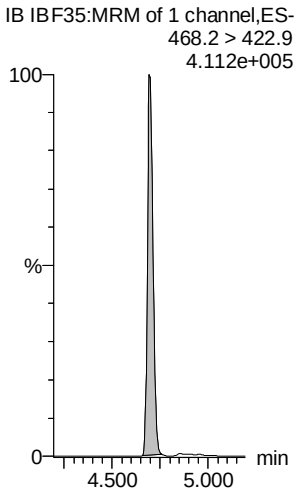

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**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

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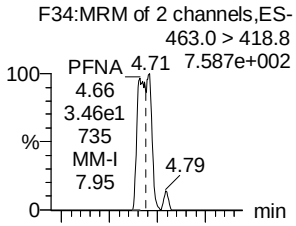


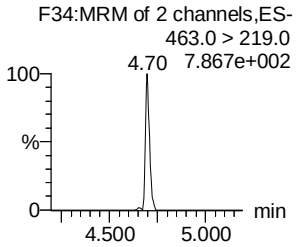


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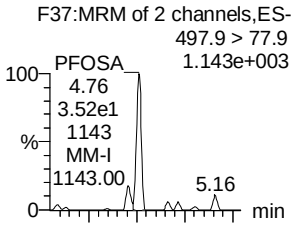
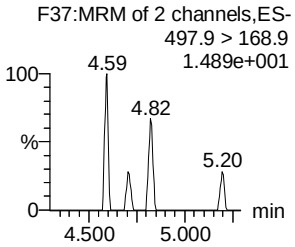
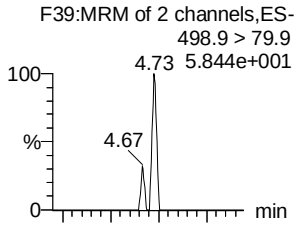
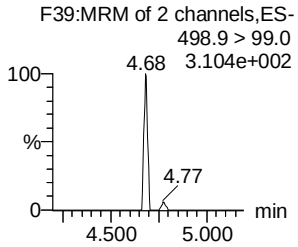



**L-PFOS**

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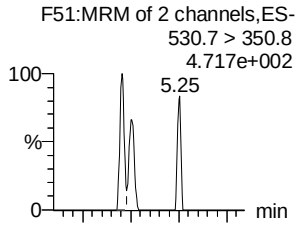


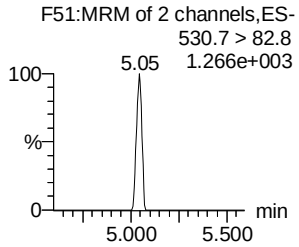


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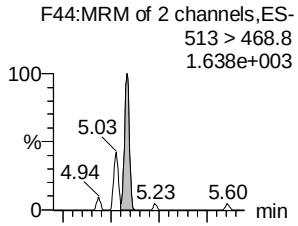


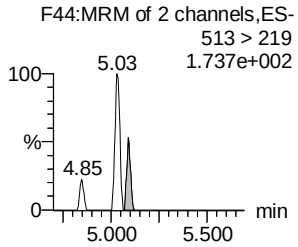


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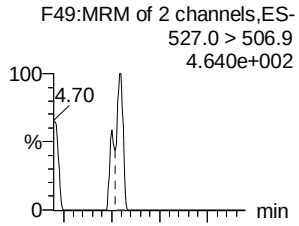


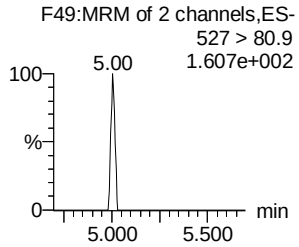


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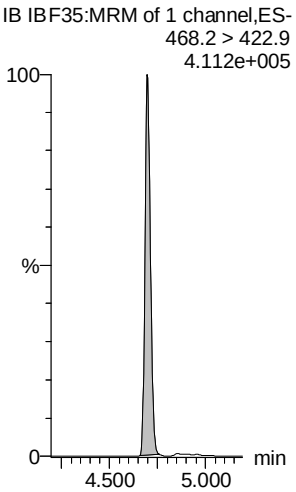
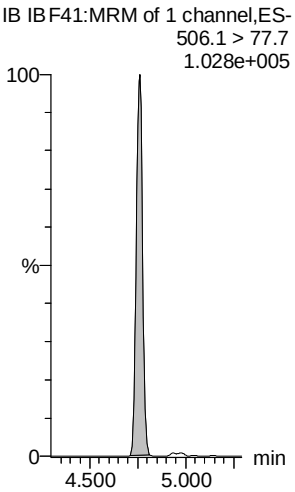



**13C8-PFOSA**

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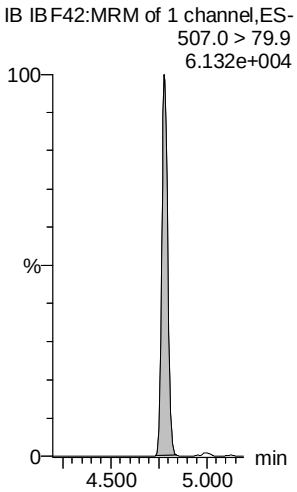


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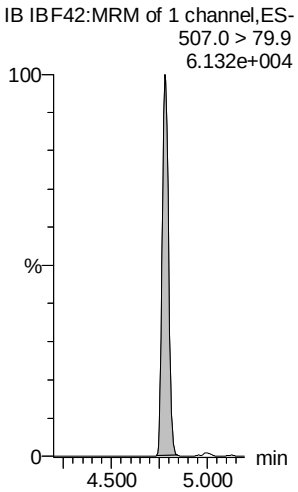


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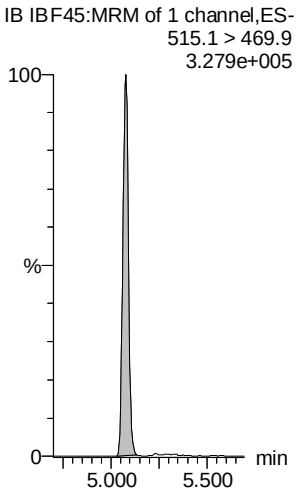


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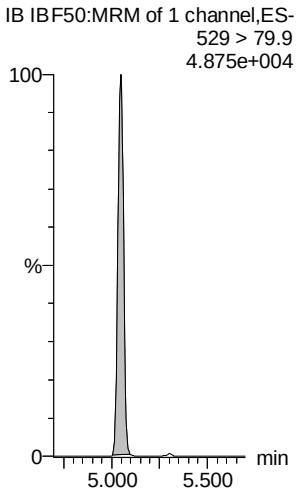

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**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

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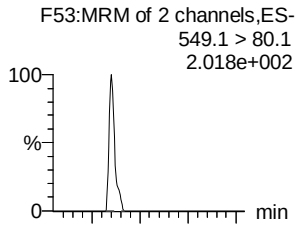
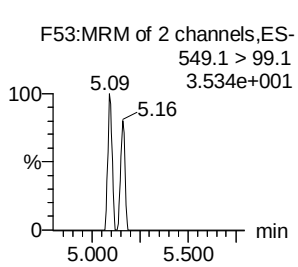
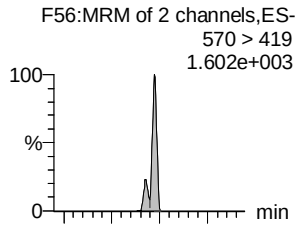
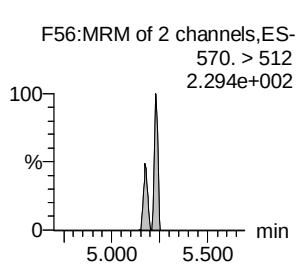


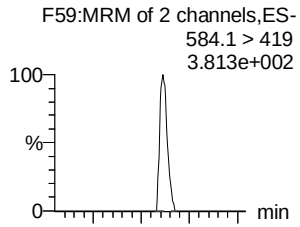



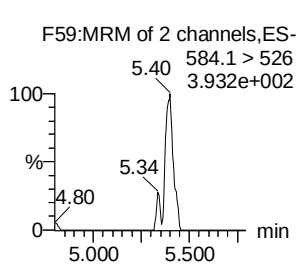

**L-MeFOSAA**



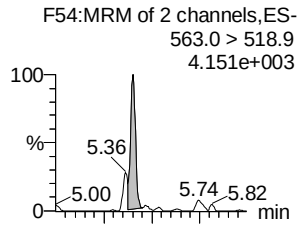



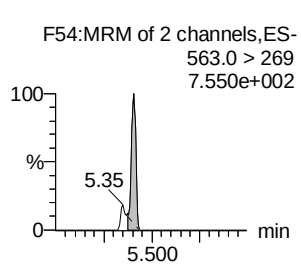

**L-EtFOSAA**



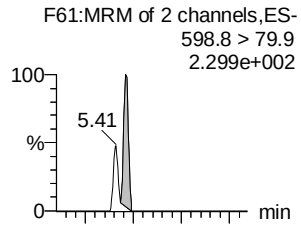



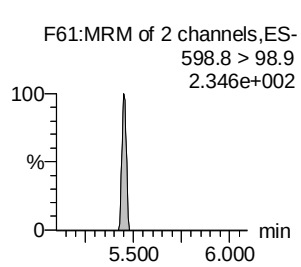

**PFUdA**



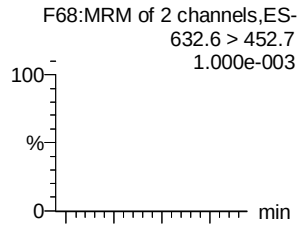



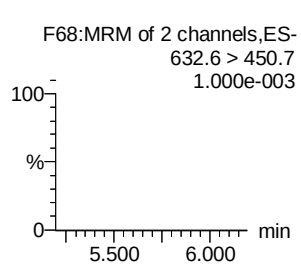

**PFDS**



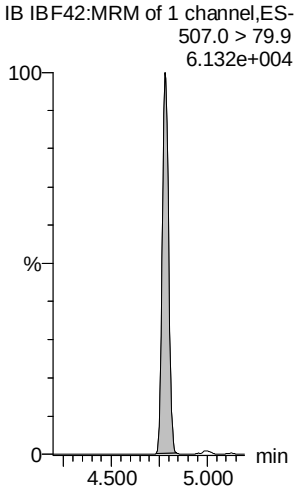




**11Cl-PF30UdS**

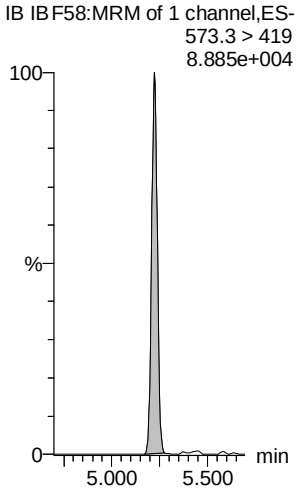


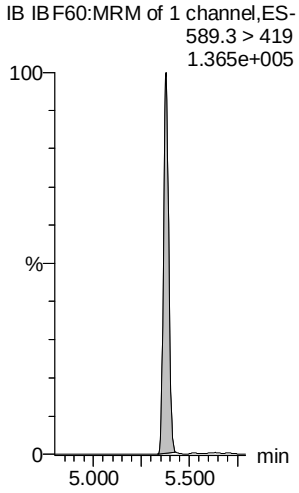

**13C8-PFOS**



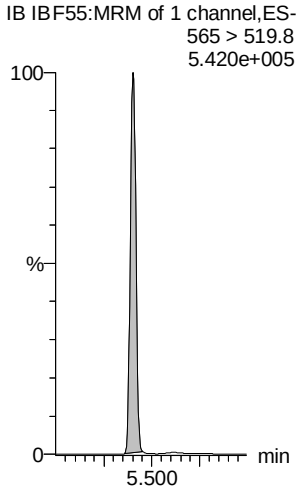

**d3-N-MeFOSAA**



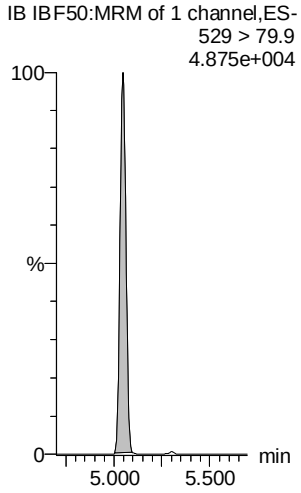

**d5-N-EtFOSAA**



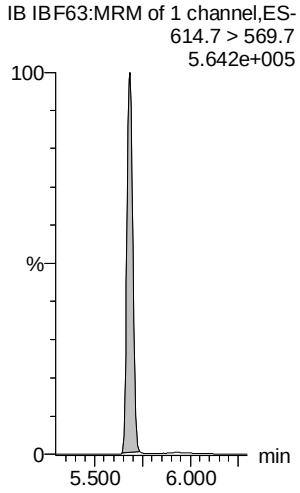

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

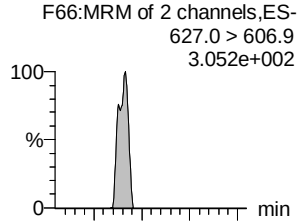


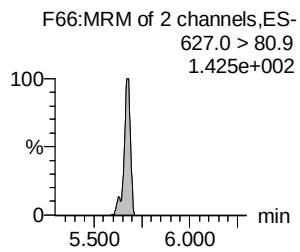
Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

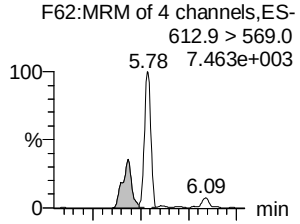
**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

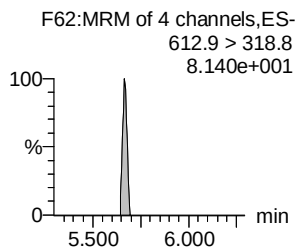
**10:2 FTS**



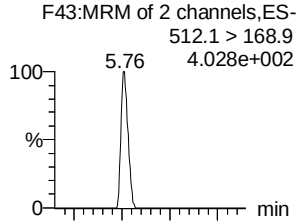



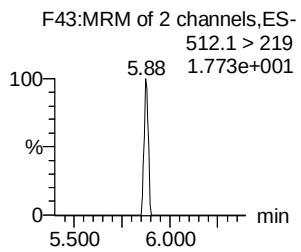

**PFDoA**



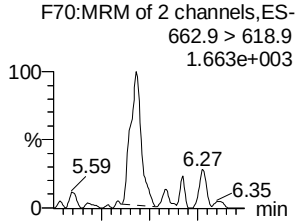



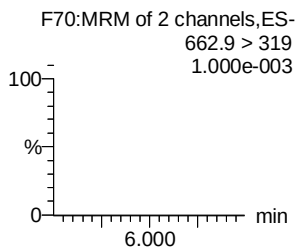

**N-MeFOSA**



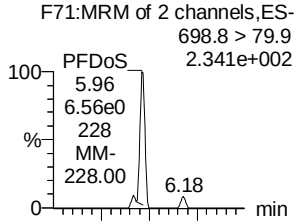



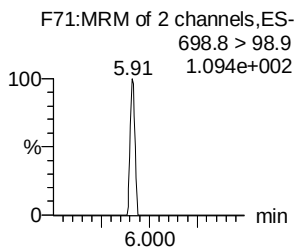

**PFTrDA**




**PFDoS**

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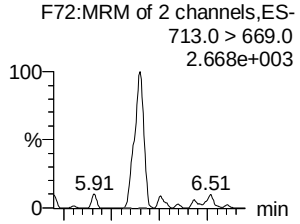
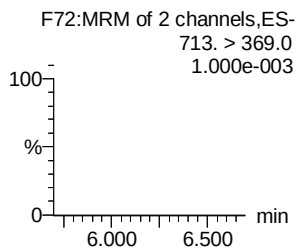
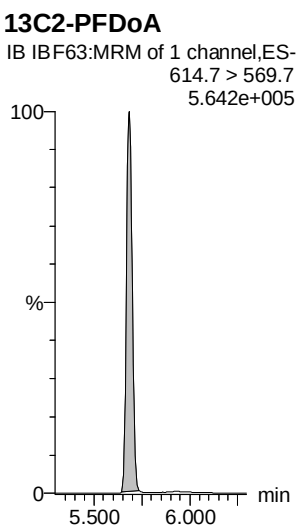
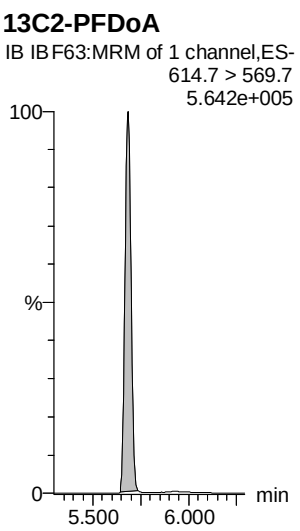


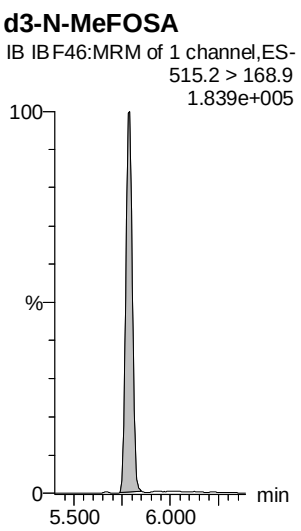

**13C2-PFDoA**



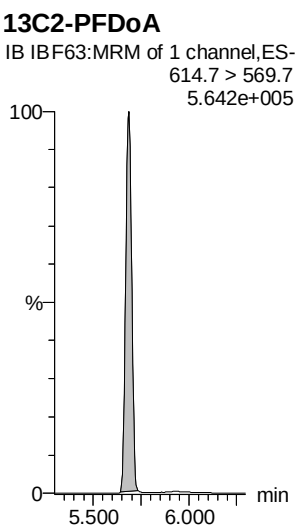

**13C2-PFDoA**



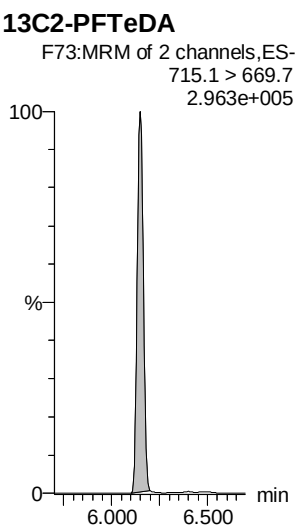

**d3-N-MeFOSA**



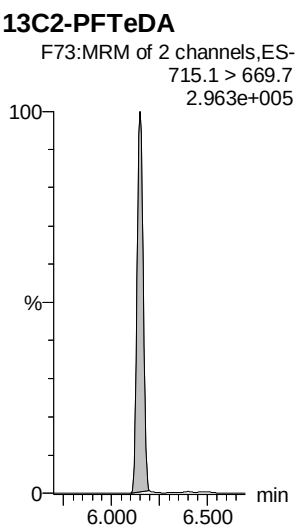

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

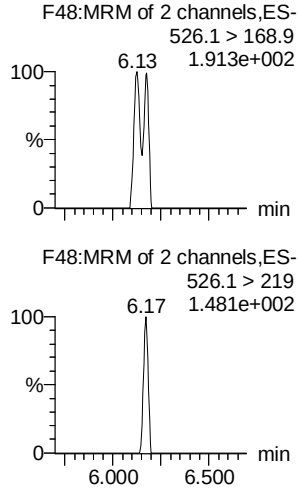


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

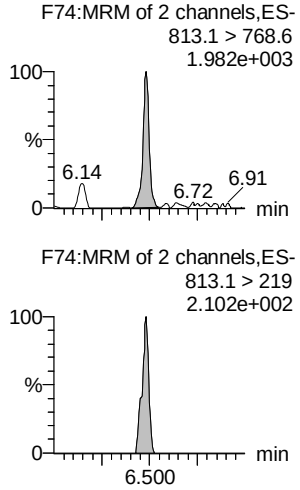
Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

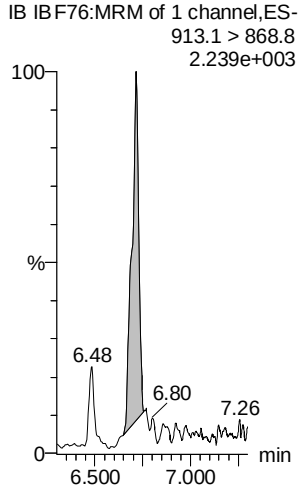
**N-EtFOSA**



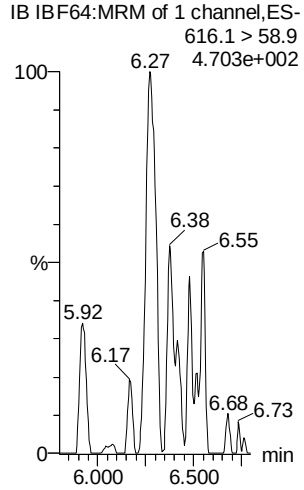

**PFHxDA**



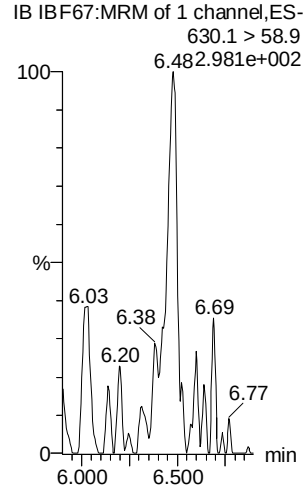

**PFODA**



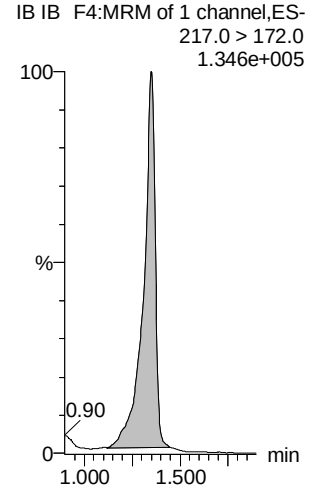

**N-MeFOSE**



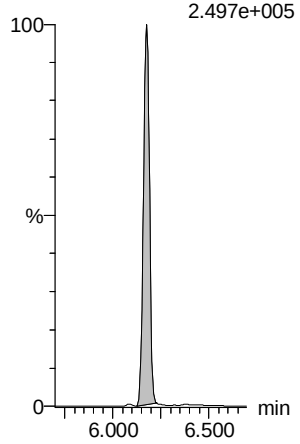

**N-EtFOSE**



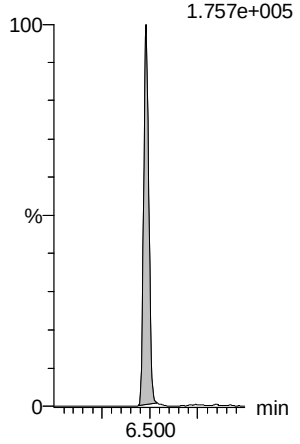

**13C4-PFBA**



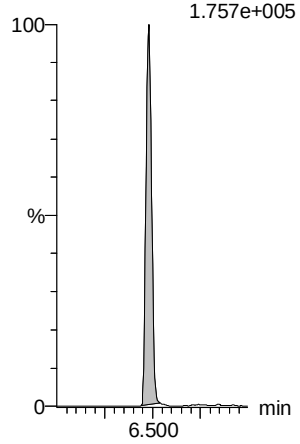

**d5-N-ETFOSA**



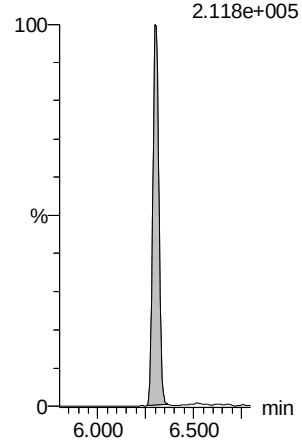

**13C2-PFHxDA**



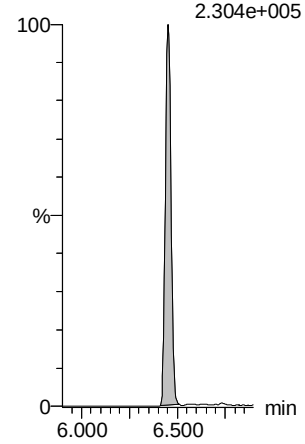

**13C2-PFHxDA**



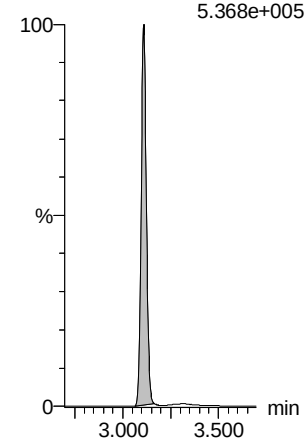

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

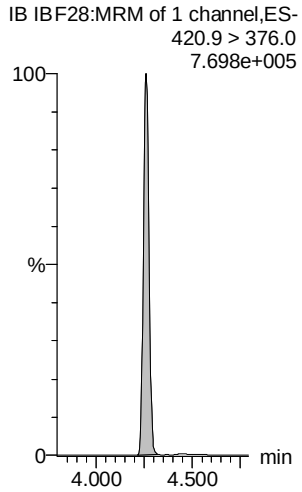


Dataset: F:\Projects\PFAS.PRO\Results\190802M1\190802M1-IB.qld

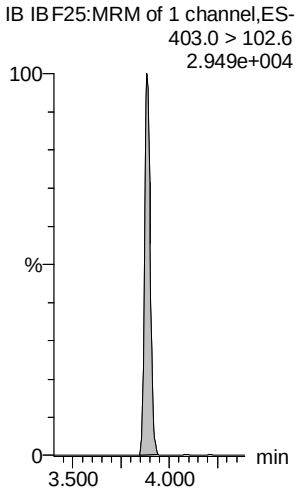
Last Altered: Saturday, August 03, 2019 11:23:57 Pacific Daylight Time
Printed: Saturday, August 03, 2019 11:24:25 Pacific Daylight Time

**Name: 190802M2_13, Date: 02-Aug-2019, Time: 14:33:12, ID: IB, Description: IB**

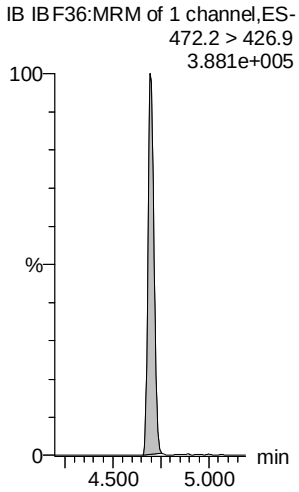
**13C8-PFOA**



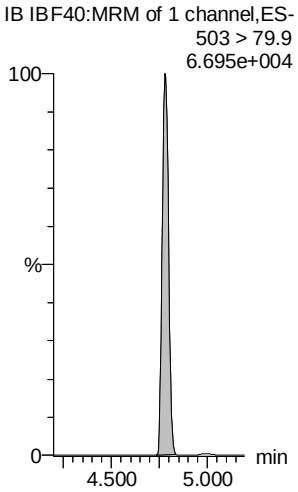

**18O2-PFHxS**



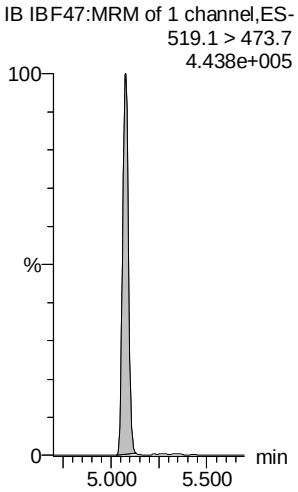

**13C9-PFNA**



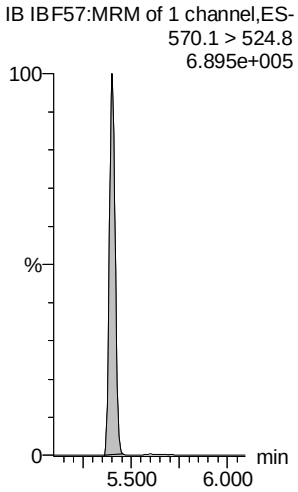

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



No low PFCs dropped  High PC
3:3 FTCA = 100
5:3 FTCA
7:3 FTCA


Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

JJM 8/6/19

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Compound name: PFBA**
Correlation coefficient: r = 0.999886, r^2 = 0.999771
Calibration curve: 1.2092 * x + -0.120655
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 1.24 | 197.931 | 10479.966 | 0.236 | 0.3 | 18.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 1.25 | 392.619 | 10724.010 | 0.458 | 0.5 | -4.4 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 1.25 | 903.000 | 10715.513 | 1.053 | 1.0 | -2.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 1.25 | 1827.777 | 10564.141 | 2.163 | 1.9 | -5.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 1.25 | 4952.067 | 10746.421 | 5.760 | 4.9 | -2.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 1.25 | 9541.475 | 10279.664 | 11.602 | 9.7 | -3.1 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 1.25 | 50805.430 | 10309.710 | 61.599 | 51.0 | 2.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 1.25 | 57106.031 | 5935.080 | 120.272 | 99.6 | -0.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 1.25 | 236329.031 | 9979.356 | 296.022 | 244.9 | -2.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 1.24 | 505100.063 | 10340.554 | 610.581 | 505.0 | 1.0 | NO | 1.000 | NO | bb |

**Compound name: PFPrS**
Coefficient of Determination: R^2 = 0.999170
Calibration curve: 0.000807085 * x^2 + 1.25465 * x + -0.0763589
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 1.61 | 44.458 | 1987.343 | 0.280 | 0.3 | 13.5 | NO | 0.999 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 1.60 | 80.295 | 2145.961 | 0.468 | 0.4 | -13.3 | NO | 0.999 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 1.60 | 203.741 | 2023.891 | 1.258 | 1.1 | 6.3 | NO | 0.999 | NO | MM |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 1.60 | 386.556 | 2071.317 | 2.333 | 1.9 | -4.1 | NO | 0.999 | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 1.60 | 983.925 | 1992.444 | 6.173 | 5.0 | -0.7 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 1.60 | 1985.176 | 2212.926 | 11.214 | 8.9 | -10.5 | NO | 0.999 | NO | MM |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 1.60 | 10959.979 | 1886.823 | 72.609 | 55.9 | 11.8 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 1.60 | 12233.379 | 1163.932 | 131.380 | 98.5 | -1.5 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 1.60 | 47740.199 | 1676.672 | 355.915 | 245.1 | -2.0 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 1.60 | 94143.117 | 1413.170 | 832.730 | 501.8 | 0.4 | NO | 0.999 | NO | bb |

CCH 8/6/19

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: 3:3 FTCA**
Coefficient of Determination: R^2 = 0.999732
Calibration curve: 1.74836e-005 * x^2 + 0.035547 * x + -0.00385143
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 2.08 | 6.814 | 15465.281 | 0.006 | 0.3 | 5.3 | NO | 1.000 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 2.05 | 21.034 | 16140.842 | 0.016 | 0.6 | 13.3 | NO | 1.000 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 2.08 | 32.488 | 15204.159 | 0.027 | 0.9 | -14.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 2.08 | 78.717 | 15602.045 | 0.063 | 1.9 | -6.0 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 2.07 | 205.658 | 14381.547 | 0.179 | 5.1 | 2.5 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 2.07 | 432.526 | 15564.313 | 0.347 | 9.8 | -1.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 2.07 | 2235.721 | 15253.251 | 1.832 | 50.4 | 0.8 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 2.07 | 2502.354 | 8411.386 | 3.719 | 99.8 | -0.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 2.07 | 2234.792 | 13274.252 | 2.104 | 57.7 | -76.9 | YES | 1.000 | NO | bbX |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 2.07 | 4620.807 | 12027.258 | 4.802 | 127.2 | -74.6 | YES | 1.000 | NO | bbX |

**Compound name: PFPeA**
Correlation coefficient: r = 0.999980, r^2 = 0.999959
Calibration curve: 0.872081 * x + 0.0116944
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 2.23 | 284.576 | 15465.281 | 0.230 | 0.3 | 0.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 2.23 | 556.881 | 16140.842 | 0.431 | 0.5 | -3.8 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 2.23 | 1092.937 | 15204.159 | 0.899 | 1.0 | 1.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 2.23 | 2167.831 | 15602.045 | 1.737 | 2.0 | -1.1 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 2.23 | 5122.148 | 14381.547 | 4.452 | 5.1 | 1.8 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 2.23 | 11045.665 | 15564.313 | 8.871 | 10.2 | 1.6 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 2.23 | 52848.551 | 15253.251 | 43.309 | 49.6 | -0.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 2.23 | 58573.441 | 8411.386 | 87.045 | 99.8 | -0.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 2.23 | 233647.047 | 13274.252 | 220.019 | 252.3 | 0.9 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 2.22 | 417922.031 | 12027.258 | 434.349 | 498.0 | -0.4 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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**Compound name: PFBS**
Correlation coefficient: r = 0.999826, r^2 = 0.999652
Calibration curve: 2.16694 * x + -0.078763
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 2.52 | 85.772 | 1987.343 | 0.539 | 0.3 | 14.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 2.52 | 168.287 | 2145.961 | 0.980 | 0.5 | -2.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 2.52 | 336.051 | 2023.891 | 2.076 | 1.0 | -0.6 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 2.52 | 686.853 | 2071.317 | 4.145 | 1.9 | -2.5 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 2.52 | 1667.070 | 1992.444 | 10.459 | 4.9 | -2.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 2.52 | 3566.855 | 2212.926 | 20.148 | 9.3 | -6.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 2.52 | 16924.908 | 1886.823 | 112.126 | 51.8 | 3.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 2.52 | 19346.865 | 1163.932 | 207.775 | 95.9 | -4.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 2.52 | 73453.469 | 1676.672 | 547.614 | 252.7 | 1.1 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 2.52 | 122575.656 | 1413.170 | 1084.226 | 500.4 | 0.1 | NO | 1.000 | NO | bb |

**Compound name: 4:2 FTS**
Coefficient of Determination: R^2 = 0.999903
Calibration curve: -0.000101873 * x^2 + 2.20173 * x + -0.0579375
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 2.93 | 122.981 | 3613.963 | 0.425 | 0.2 | -12.2 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 2.93 | 325.731 | 3707.923 | 1.098 | 0.5 | 5.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 2.93 | 657.964 | 3494.684 | 2.353 | 1.1 | 9.5 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 2.93 | 1213.107 | 3806.729 | 3.983 | 1.8 | -8.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 2.93 | 3062.430 | 3361.890 | 11.387 | 5.2 | 4.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 2.93 | 6595.833 | 3615.189 | 22.806 | 10.4 | 3.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 2.93 | 28212.652 | 3293.482 | 107.078 | 48.8 | -2.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 2.93 | 31215.904 | 1778.656 | 219.378 | 100.1 | 0.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 2.93 | 103748.367 | 2374.379 | 546.187 | 251.0 | 0.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 2.93 | 173927.891 | 2023.470 | 1074.441 | 499.6 | -0.1 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: PFHxA**
Correlation coefficient: r = 0.999560, r^2 = 0.999120
Calibration curve: 0.82273 * x + 0.0237369
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.02 | 550.655 | 11579.720 | 0.238 | 0.3 | 4.1 | NO | 0.999 | NO | bd |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.02 | 964.541 | 12509.902 | 0.386 | 0.4 | -12.1 | NO | 0.999 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.02 | 2044.270 | 11880.075 | 0.860 | 1.0 | 1.7 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.02 | 3968.074 | 11862.896 | 1.672 | 2.0 | 0.2 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.02 | 9961.893 | 11421.128 | 4.361 | 5.3 | 5.4 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.02 | 21152.234 | 12164.343 | 8.694 | 10.5 | 5.4 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.02 | 97346.078 | 11326.182 | 42.974 | 52.2 | 4.4 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.02 | 110113.414 | 6580.804 | 83.663 | 101.7 | 1.7 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.02 | 425021.563 | 9995.205 | 212.613 | 258.4 | 3.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.02 | 743785.688 | 9282.018 | 400.659 | 487.0 | -2.6 | NO | 0.999 | NO | bb |

**Compound name: PFPeS**
Coefficient of Determination: R^2 = 0.999385
Calibration curve: -0.000416966 * x^2 + 1.63567 * x + 0.0544145
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.23 | 73.151 | 1987.343 | 0.460 | 0.2 | -0.8 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.23 | 147.484 | 2145.961 | 0.859 | 0.5 | -1.6 | NO | 0.999 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.23 | 254.557 | 2023.891 | 1.572 | 0.9 | -7.2 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.23 | 559.415 | 2071.317 | 3.376 | 2.0 | 1.6 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.23 | 1353.865 | 1992.444 | 8.494 | 5.2 | 3.3 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.23 | 2884.135 | 2212.926 | 16.291 | 10.0 | -0.5 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.23 | 13079.272 | 1886.823 | 86.649 | 53.7 | 7.4 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.23 | 14853.688 | 1163.932 | 159.521 | 100.0 | 0.0 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.23 | 49903.441 | 1676.672 | 372.042 | 242.4 | -3.0 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.23 | 81226.688 | 1413.170 | 718.479 | 504.0 | 0.8 | NO | 0.999 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: HFPO-DA**
Coefficient of Determination: R^2 = 0.997635
Calibration curve: 4.83197e-005 * x^2 + 0.442207 * x + 0.00217196
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.23 | 36.290 | 1792.967 | 0.101 | 0.2 | -10.4 | NO | 0.998 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.24 | 64.041 | 1904.769 | 0.168 | 0.4 | -25.0 | NO | 0.998 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.24 | 157.893 | 1635.656 | 0.483 | 1.1 | 8.6 | NO | 0.998 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.24 | 355.189 | 1893.402 | 0.938 | 2.1 | 5.8 | NO | 0.998 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.24 | 873.683 | 1706.150 | 2.560 | 5.8 | 15.6 | NO | 0.998 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.24 | 1581.919 | 1886.065 | 4.194 | 9.5 | -5.3 | NO | 0.998 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.24 | 7930.067 | 1570.916 | 25.240 | 56.7 | 13.4 | NO | 0.998 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.23 | 9721.333 | 1064.998 | 45.640 | 102.1 | 2.1 | NO | 0.998 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.24 | 32132.490 | 1510.012 | 106.398 | 234.6 | -6.2 | NO | 0.998 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.24 | 57483.602 | 1216.394 | 236.287 | 506.3 | 1.3 | NO | 0.998 | NO | bb |

**Compound name: 5:3 FTCA**
Coefficient of Determination: R^2 = 0.999871
Calibration curve: 0.000101152 * x^2 + 0.188385 * x + -0.00872573
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.58 | 45.700 | 14884.972 | 0.038 | 0.3 | 0.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.58 | 110.574 | 16223.330 | 0.085 | 0.5 | -0.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.58 | 195.349 | 14454.550 | 0.169 | 0.9 | -5.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.58 | 467.224 | 14988.209 | 0.390 | 2.1 | 5.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.58 | 1078.936 | 13982.654 | 0.965 | 5.2 | 3.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.58 | 2180.979 | 14879.766 | 1.832 | 9.7 | -2.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.58 | 10995.788 | 14192.302 | 9.685 | 50.1 | 0.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.58 | 12776.076 | 8051.796 | 19.834 | 100.0 | -0.0 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.58 | 11208.399 | 12083.574 | 11.595 | 59.7 | -76.1 | YES | 1.000 | NO | bbX |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.58 | 23108.596 | 10027.047 | 28.808 | 142.1 | -71.6 | YES | 1.000 | NO | bbX |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: PFHpA**
Correlation coefficient: r = 0.999835, r^2 = 0.999670
Calibration curve: 1.24009 * x + -0.00204089
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.65 | 357.720 | 14884.972 | 0.300 | 0.2 | -2.4 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.65 | 759.209 | 16223.330 | 0.585 | 0.5 | -5.3 | NO | 1.000 | NO | db |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.65 | 1586.972 | 14454.550 | 1.372 | 1.1 | 10.8 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.65 | 2922.205 | 14988.209 | 2.437 | 2.0 | -1.7 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.65 | 7132.874 | 13982.654 | 6.377 | 5.1 | 2.9 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.65 | 14880.225 | 14879.766 | 12.500 | 10.1 | 0.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.65 | 68968.336 | 14192.302 | 60.744 | 49.0 | -2.0 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.65 | 77381.211 | 8051.796 | 120.130 | 96.9 | -3.1 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.65 | 295404.750 | 12083.574 | 305.585 | 246.4 | -1.4 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.65 | 504786.688 | 10027.047 | 629.281 | 507.4 | 1.5 | NO | 1.000 | NO | bb |

**Compound name: ADONA**
Correlation coefficient: r = 0.998758, r^2 = 0.997518
Calibration curve: 3.26249 * x + -0.229496
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.76 | 927.417 | 14884.972 | 0.779 | 0.3 | 23.6 | NO | 0.998 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.77 | 1806.544 | 16223.330 | 1.392 | 0.5 | -0.6 | NO | 0.998 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.76 | 3549.588 | 14454.550 | 3.070 | 1.0 | 1.1 | NO | 0.998 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.77 | 7451.331 | 14988.209 | 6.214 | 2.0 | -1.2 | NO | 0.998 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.76 | 17363.475 | 13982.654 | 15.522 | 4.8 | -3.4 | NO | 0.998 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.77 | 36813.660 | 14879.766 | 30.926 | 9.5 | -4.5 | NO | 0.998 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.77 | 170316.750 | 14192.302 | 150.008 | 46.1 | -7.9 | NO | 0.998 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.76 | 194219.563 | 8051.796 | 301.516 | 92.5 | -7.5 | NO | 0.998 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.76 | 757331.938 | 12083.574 | 783.431 | 240.2 | -3.9 | NO | 0.998 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.76 | 1365488.625 | 10027.047 | 1702.257 | 521.8 | 4.4 | NO | 0.998 | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: L-PFHxS**
Coefficient of Determination: R^2 = 0.999676
Calibration curve: 9.81315e-005 * x^2 + 0.847976 * x + 0.00454153
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 3.80 | 68.046 | 3970.164 | 0.214 | 0.2 | -1.1 | NO | 1.000 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 3.80 | 160.684 | 4459.337 | 0.450 | 0.5 | 5.2 | NO | 1.000 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 3.81 | 252.091 | 4177.167 | 0.754 | 0.9 | -11.6 | NO | 1.000 | NO | MM |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 3.80 | 520.888 | 4117.800 | 1.581 | 1.9 | -7.1 | NO | 1.000 | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.80 | 1533.893 | 4004.033 | 4.789 | 5.6 | 12.8 | NO | 1.000 | NO | MM |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 3.80 | 2844.577 | 4097.443 | 8.678 | 10.2 | 2.2 | NO | 1.000 | NO | MM |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 3.81 | 13625.777 | 3931.054 | 43.327 | 50.8 | 1.6 | NO | 1.000 | NO | MM |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 3.80 | 15770.897 | 2252.317 | 87.526 | 102.0 | 2.0 | NO | 1.000 | NO | MM |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 3.80 | 57728.387 | 3386.467 | 213.085 | 244.4 | -2.3 | NO | 1.000 | NO | MM |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 3.80 | 104334.438 | 2894.164 | 450.624 | 502.2 | 0.4 | NO | 1.000 | NO | MM |

**Compound name: 6:2 FTS**
Coefficient of Determination: R^2 = 0.998904
Calibration curve: -0.000268456 * x^2 + 2.87082 * x + 0.00193885
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.12 | 141.863 | 2520.381 | 0.704 | 0.2 | -2.2 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.12 | 321.381 | 2915.378 | 1.378 | 0.5 | -4.1 | NO | 0.999 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.12 | 533.675 | 2702.855 | 2.468 | 0.9 | -14.1 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.12 | 1273.914 | 2871.247 | 5.546 | 1.9 | -3.4 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.12 | 3255.752 | 2388.587 | 17.038 | 5.9 | 18.8 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.12 | 6686.727 | 2901.092 | 28.811 | 10.0 | 0.4 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.12 | 29304.600 | 2421.255 | 151.288 | 53.0 | 5.9 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.12 | 32766.354 | 1404.963 | 291.523 | 102.5 | 2.5 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.12 | 113435.320 | 2115.848 | 670.153 | 238.8 | -4.5 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.12 | 193347.547 | 1749.576 | 1381.389 | 505.0 | 1.0 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: L-PFOA**
Correlation coefficient: r = 0.999951, r^2 = 0.999901
Calibration curve: 1.37472 * x + 0.0371454
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.18 | 763.380 | 25330.043 | 0.377 | 0.2 | -1.2 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.18 | 1591.142 | 28465.316 | 0.699 | 0.5 | -3.8 | NO | 1.000 | NO | bd |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.18 | 2929.187 | 25665.264 | 1.427 | 1.0 | 1.1 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.18 | 5948.474 | 26050.084 | 2.854 | 2.0 | 2.5 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.18 | 13700.038 | 24433.006 | 7.009 | 5.1 | 1.4 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.18 | 28991.299 | 25780.920 | 14.057 | 10.2 | 2.0 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.18 | 130948.234 | 24664.947 | 66.364 | 48.2 | -3.5 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.18 | 153212.813 | 13732.458 | 139.462 | 101.4 | 1.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.18 | 524199.438 | 19032.539 | 344.278 | 250.4 | 0.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.18 | 866901.500 | 15776.228 | 686.873 | 499.6 | -0.1 | NO | 1.000 | NO | bb |

**Compound name: PFecHS**
Coefficient of Determination: R^2 = 0.999635
Calibration curve: 9.82211e-005 * x^2 + 0.213681 * x + -0.0186299
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.19 | 78.519 | 25330.043 | 0.039 | 0.3 | 7.4 | NO | 1.000 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.20 | 175.828 | 28465.316 | 0.077 | 0.4 | -10.3 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.20 | 432.728 | 25665.264 | 0.211 | 1.1 | 7.3 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.20 | 893.864 | 26050.084 | 0.429 | 2.1 | 4.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.19 | 1930.366 | 24433.006 | 0.988 | 4.7 | -6.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.19 | 4399.610 | 25780.920 | 2.133 | 10.0 | 0.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.20 | 21055.779 | 24664.947 | 10.671 | 48.9 | -2.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.19 | 23714.809 | 13732.458 | 21.586 | 96.8 | -3.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.19 | 93223.297 | 19032.539 | 61.226 | 256.4 | 2.6 | NO | 1.000 | NO | bd |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.19 | 164965.859 | 15776.228 | 130.708 | 497.9 | -0.4 | NO | 1.000 | NO | bd |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: PFHpS**
Correlation coefficient: r = 0.999911, r^2 = 0.999823
Calibration curve: 0.896241 * x + -0.0576903
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.29 | 63.237 | 4435.133 | 0.178 | 0.3 | 5.3 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.29 | 154.847 | 4839.329 | 0.400 | 0.5 | 2.1 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.30 | 253.292 | 4627.885 | 0.684 | 0.8 | -17.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.29 | 654.948 | 4586.572 | 1.785 | 2.1 | 2.8 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.29 | 1644.018 | 4416.629 | 4.653 | 5.3 | 5.1 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.29 | 3545.247 | 4966.637 | 8.923 | 10.0 | 0.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.29 | 16484.797 | 4635.966 | 44.448 | 49.7 | -0.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.29 | 18152.873 | 2474.028 | 91.717 | 102.4 | 2.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.29 | 68398.695 | 3784.991 | 225.888 | 252.1 | 0.8 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.29 | 117985.781 | 3320.412 | 444.168 | 495.7 | -0.9 | NO | 1.000 | NO | bb |

**Compound name: 7:3 FTCA**
Coefficient of Determination: R^2 = 0.999374
Calibration curve: -5.63725e-005 * x^2 + 0.137379 * x + -0.0155837
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.62 | 56.597 | 26821.664 | 0.026 | 0.3 | 22.2 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.61 | 117.063 | 28486.428 | 0.051 | 0.5 | -2.5 | NO | 0.999 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.61 | 249.481 | 26315.971 | 0.119 | 1.0 | -2.4 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.61 | 510.730 | 28337.734 | 0.225 | 1.8 | -12.3 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.61 | 1365.788 | 26963.355 | 0.633 | 4.7 | -5.4 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.61 | 2977.253 | 27972.621 | 1.330 | 9.8 | -1.6 | NO | 0.999 | NO | bd |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.61 | 14309.404 | 25987.896 | 6.883 | 51.3 | 2.6 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.61 | 15953.708 | 15248.329 | 13.078 | 99.4 | -0.6 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.60 | 13264.838 | 22771.938 | 7.281 | 54.3 | -78.3 | YES | 0.999 | NO | bbX |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.60 | 26210.852 | 19441.260 | 16.853 | 129.7 | -74.1 | YES | 0.999 | NO | bbX |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: PFNA**
Correlation coefficient: r = 0.999943, r^2 = 0.999886
Calibration curve: 1.13493 * x + 0.0182549
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.62 | 639.266 | 26821.664 | 0.298 | 0.2 | -1.4 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.62 | 1325.133 | 28486.428 | 0.581 | 0.5 | -0.7 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.62 | 2659.872 | 26315.971 | 1.263 | 1.1 | 9.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.62 | 5115.173 | 28337.734 | 2.256 | 2.0 | -1.4 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.62 | 11835.360 | 26963.355 | 5.487 | 4.8 | -3.6 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.62 | 24822.320 | 27972.621 | 11.092 | 9.8 | -2.4 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.62 | 119862.273 | 25987.896 | 57.653 | 50.8 | 1.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.62 | 136693.828 | 15248.329 | 112.056 | 98.7 | -1.3 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.62 | 511452.656 | 22771.938 | 280.747 | 247.4 | -1.1 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.62 | 888804.125 | 19441.260 | 571.468 | 503.5 | 0.7 | NO | 1.000 | NO | bb |

**Compound name: PFOSA**
Correlation coefficient: r = 0.999497, r^2 = 0.998995
Calibration curve: 1.04929 * x + 0.0290961
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.69 | 152.191 | 7370.523 | 0.258 | 0.2 | -12.7 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.68 | 364.084 | 8156.011 | 0.558 | 0.5 | 0.8 | NO | 0.999 | NO | db |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.68 | 640.149 | 7392.379 | 1.082 | 1.0 | 0.4 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.68 | 1316.767 | 7777.947 | 2.116 | 2.0 | -0.5 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.68 | 3089.151 | 7249.669 | 5.326 | 5.0 | 1.0 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.69 | 6711.544 | 7464.219 | 11.240 | 10.7 | 6.8 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.69 | 30752.766 | 7214.451 | 53.283 | 50.8 | 1.5 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.68 | 34752.867 | 4095.888 | 106.060 | 101.1 | 1.1 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.68 | 132024.297 | 6027.083 | 273.815 | 260.9 | 4.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.68 | 230142.141 | 5634.250 | 510.587 | 486.6 | -2.7 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: L-PFOS**
Correlation coefficient: r = 0.999571, r^2 = 0.999142
Calibration curve: 1.08808 * x + -0.0536139
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.71 | 85.903 | 4435.133 | 0.242 | 0.3 | 8.7 | NO | 0.999 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.71 | 201.863 | 4839.329 | 0.521 | 0.5 | 5.7 | NO | 0.999 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.71 | 317.080 | 4627.885 | 0.856 | 0.8 | -16.4 | NO | 0.999 | NO | MM |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.71 | 809.701 | 4586.572 | 2.207 | 2.1 | 3.9 | NO | 0.999 | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.71 | 1884.283 | 4416.629 | 5.333 | 5.0 | -1.0 | NO | 0.999 | NO | MM |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.71 | 3832.907 | 4966.637 | 9.647 | 8.9 | -10.8 | NO | 0.999 | NO | MM |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.71 | 18480.035 | 4635.966 | 49.828 | 45.8 | -8.3 | NO | 0.999 | NO | MM |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.71 | 20927.422 | 2474.028 | 105.736 | 97.2 | -2.8 | NO | 0.999 | NO | MM |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.71 | 81827.336 | 3784.991 | 270.236 | 248.4 | -0.6 | NO | 0.999 | NO | MM |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.71 | 147301.938 | 3320.412 | 554.532 | 509.7 | 1.9 | NO | 0.999 | NO | MM |

**Compound name: 9Cl-PF30NS**
Coefficient of Determination: R^2 = 0.999806
Calibration curve: 0.000159418 * x^2 + 2.04652 * x + -0.0274144
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.93 | 179.944 | 4435.133 | 0.507 | 0.3 | 4.5 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.93 | 400.732 | 4839.329 | 1.035 | 0.5 | 3.8 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.93 | 690.021 | 4627.885 | 1.864 | 0.9 | -7.6 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.93 | 1547.784 | 4586.572 | 4.218 | 2.1 | 3.7 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.93 | 3777.192 | 4416.629 | 10.690 | 5.2 | 4.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.93 | 7513.476 | 4966.637 | 18.910 | 9.2 | -7.5 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.93 | 36684.645 | 4635.966 | 98.913 | 48.2 | -3.7 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.93 | 41478.441 | 2474.028 | 209.569 | 101.6 | 1.6 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.93 | 158960.719 | 3784.991 | 524.971 | 251.6 | 0.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.93 | 281867.313 | 3320.412 | 1061.116 | 499.1 | -0.2 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:28:53 Pacific Daylight Time

**Compound name: PFDA**
Correlation coefficient: r = 0.999252, r^2 = 0.998504
Calibration curve: 1.29683 * x + 0.0860556
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.01 | 761.646 | 25867.617 | 0.368 | 0.2 | -13.0 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.01 | 1514.109 | 28056.900 | 0.675 | 0.5 | -9.2 | NO | 0.999 | NO | bd |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.01 | 2723.375 | 25776.146 | 1.321 | 1.0 | -4.8 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.01 | 5831.931 | 26379.867 | 2.763 | 2.1 | 3.2 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.01 | 14030.392 | 25221.037 | 6.954 | 5.3 | 5.9 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.01 | 28887.742 | 24951.506 | 14.472 | 11.1 | 10.9 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.01 | 138057.188 | 25863.400 | 66.724 | 51.4 | 2.8 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.01 | 154147.031 | 14392.619 | 133.877 | 103.2 | 3.2 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.01 | 573532.813 | 21167.713 | 338.684 | 261.1 | 4.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.01 | 979254.000 | 19538.588 | 626.487 | 483.0 | -3.4 | NO | 0.999 | NO | bb |

**Compound name: 8:2 FTS**
Coefficient of Determination: R^2 = 0.999701
Calibration curve: -0.000516639 * x^2 + 1.8894 * x + -0.0301738
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 4.98 | 74.697 | 2651.324 | 0.352 | 0.2 | -19.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 4.98 | 236.648 | 2800.342 | 1.056 | 0.6 | 15.0 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 4.98 | 415.069 | 2687.758 | 1.930 | 1.0 | 3.8 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 4.98 | 790.596 | 2765.376 | 3.574 | 1.9 | -4.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 4.98 | 2001.737 | 2708.088 | 9.240 | 4.9 | -1.7 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 4.98 | 4163.415 | 2666.297 | 19.519 | 10.4 | 3.8 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 4.98 | 18759.340 | 2654.992 | 88.321 | 47.4 | -5.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 4.98 | 21997.902 | 1488.501 | 184.732 | 100.6 | 0.6 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 4.97 | 70915.094 | 1986.754 | 446.174 | 253.8 | 1.5 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 4.97 | 118705.813 | 1825.772 | 812.710 | 498.0 | -0.4 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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**Compound name: PFNS**
Correlation coefficient: r = 0.999793, r^2 = 0.999587
Calibration curve: 0.762501 * x + -0.00874834
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.07 | 57.345 | 4435.133 | 0.162 | 0.2 | -10.6 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.07 | 138.892 | 4839.329 | 0.359 | 0.5 | -3.6 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.07 | 298.653 | 4627.885 | 0.807 | 1.1 | 6.9 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.07 | 536.909 | 4586.572 | 1.463 | 1.9 | -3.5 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.07 | 1400.769 | 4416.629 | 3.964 | 5.2 | 4.2 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.07 | 3094.294 | 4966.637 | 7.788 | 10.2 | 2.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.07 | 14180.981 | 4635.966 | 38.236 | 50.2 | 0.3 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.07 | 15753.813 | 2474.028 | 79.596 | 104.4 | 4.4 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.07 | 58384.430 | 3784.991 | 192.816 | 252.9 | 1.2 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.07 | 99683.953 | 3320.412 | 375.270 | 492.2 | -1.6 | NO | 1.000 | NO | bb |

**Compound name: L-MeFOSAA**
Coefficient of Determination: R^2 = 0.999151
Calibration curve: -0.000615913 * x^2 + 2.57343 * x + -0.14301
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.16 | 263.913 | 5470.630 | 0.603 | 0.3 | 16.0 | NO | 0.999 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.16 | 508.977 | 5891.633 | 1.080 | 0.5 | -4.9 | NO | 0.999 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.16 | 1123.312 | 5313.605 | 2.643 | 1.1 | 8.3 | NO | 0.999 | NO | MM |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.16 | 2080.115 | 5597.126 | 4.645 | 1.9 | -6.9 | NO | 0.999 | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.16 | 4967.035 | 5098.292 | 12.178 | 4.8 | -4.1 | NO | 0.999 | NO | MM |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.16 | 11085.982 | 5816.699 | 23.824 | 9.3 | -6.7 | NO | 0.999 | NO | MM |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.16 | 52451.422 | 5159.030 | 127.086 | 50.0 | 0.1 | NO | 0.999 | NO | MM |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.16 | 59377.629 | 3103.065 | 239.189 | 95.2 | -4.8 | NO | 0.999 | NO | MM |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.16 | 224521.203 | 4468.229 | 628.105 | 260.4 | 4.1 | NO | 0.999 | NO | MM |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.16 | 384071.375 | 4273.920 | 1123.299 | 495.3 | -0.9 | NO | 0.999 | NO | MM |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Compound name: L-EtFOSAA**
Correlation coefficient: r = 0.999773, r^2 = 0.999545
Calibration curve: 1.40239 * x + -0.0570212
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.32 | 172.564 | 6427.400 | 0.336 | 0.3 | 12.0 | NO | 1.000 | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.32 | 312.746 | 7449.860 | 0.525 | 0.4 | -17.0 | NO | 1.000 | NO | MM |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.32 | 752.749 | 7157.377 | 1.315 | 1.0 | -2.2 | NO | 1.000 | NO | MM |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.32 | 1541.928 | 7704.213 | 2.502 | 1.8 | -8.8 | NO | 1.000 | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.32 | 3943.331 | 7079.119 | 6.963 | 5.0 | 0.1 | NO | 1.000 | NO | MM |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.32 | 8335.383 | 7320.123 | 14.234 | 10.2 | 1.9 | NO | 1.000 | NO | MM |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.32 | 38475.539 | 6775.031 | 70.988 | 50.7 | 1.3 | NO | 1.000 | NO | MM |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.32 | 43655.164 | 4114.533 | 132.625 | 94.6 | -5.4 | NO | 1.000 | NO | MM |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.32 | 155967.094 | 5470.159 | 356.404 | 254.2 | 1.7 | NO | 1.000 | NO | MM |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.32 | 263065.625 | 4684.326 | 701.984 | 500.6 | 0.1 | NO | 1.000 | NO | MM |

**Compound name: PFUdA**
Correlation coefficient: r = 0.999712, r^2 = 0.999423
Calibration curve: 0.838468 * x + 0.0719088
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.34 | 740.362 | 36785.672 | 0.252 | 0.2 | -14.3 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.34 | 1418.349 | 37873.570 | 0.468 | 0.5 | -5.5 | NO | 0.999 | NO | bd |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.34 | 2661.923 | 35975.281 | 0.925 | 1.0 | 1.7 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.34 | 5227.303 | 37733.219 | 1.732 | 2.0 | -1.0 | NO | 0.999 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.34 | 12944.324 | 36066.191 | 4.486 | 5.3 | 5.3 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.34 | 26383.330 | 37048.738 | 8.902 | 10.5 | 5.3 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.34 | 125054.219 | 34401.375 | 45.439 | 54.1 | 8.2 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.34 | 140465.781 | 20430.928 | 85.939 | 102.4 | 2.4 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.34 | 500482.531 | 30264.861 | 206.709 | 246.4 | -1.4 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.34 | 871441.688 | 26171.965 | 416.210 | 496.3 | -0.7 | NO | 0.999 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: PFDS**
Correlation coefficient: r = 0.999226, r^2 = 0.998454
Calibration curve: 1.84062 * x + -0.142178
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.38 | 67.002 | 2651.324 | 0.316 | 0.2 | -0.5 | NO | 0.998 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.39 | 204.197 | 2800.342 | 0.911 | 0.6 | 14.5 | NO | 0.998 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.39 | 361.666 | 2687.758 | 1.682 | 1.0 | -0.9 | NO | 0.998 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.39 | 782.044 | 2765.376 | 3.535 | 2.0 | -0.1 | NO | 0.998 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.39 | 1789.577 | 2708.088 | 8.260 | 4.6 | -8.7 | NO | 0.998 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.39 | 3975.867 | 2666.297 | 18.639 | 10.2 | 2.0 | NO | 0.998 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.39 | 18414.334 | 2654.992 | 86.697 | 47.2 | -5.6 | NO | 0.998 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.39 | 20744.230 | 1488.501 | 174.204 | 94.7 | -5.3 | NO | 0.998 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.39 | 77344.461 | 1986.754 | 486.626 | 264.5 | 5.8 | NO | 0.998 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.39 | 132737.156 | 1825.772 | 908.774 | 493.8 | -1.2 | NO | 0.998 | NO | bb |

**Compound name: 11Cl-PF30UdS**
Coefficient of Determination: R^2 = 0.999594
Calibration curve: -9.40543e-006 * x^2 + 0.0598673 * x + -0.00366546
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.55 | 37.985 | 35840.500 | 0.013 | 0.3 | 13.0 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.55 | 105.391 | 38897.324 | 0.034 | 0.6 | 25.4 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.55 | 153.994 | 34443.582 | 0.056 | 1.0 | -0.5 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.55 | 241.330 | 36871.582 | 0.082 | 1.4 | -28.6 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.55 | 759.630 | 34326.844 | 0.277 | 4.7 | -6.3 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.55 | 1703.005 | 37229.211 | 0.572 | 9.6 | -3.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.55 | 8056.570 | 33570.750 | 3.000 | 50.6 | 1.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.55 | 9251.515 | 19966.412 | 5.792 | 98.3 | -1.7 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.55 | 35593.273 | 30472.285 | 14.601 | 254.1 | 1.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.55 | 66728.758 | 30350.268 | 27.483 | 498.1 | -0.4 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 10:2 FTS**
Coefficient of Determination: R^2 = 0.999491
Calibration curve: -0.00101646 * x^2 + 2.28343 * x
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 0.250 | 5.61 | 93.356 | 2651.324 | 0.440 | 0.2 | -22.9 | NO | 0.999 | NO | bb |
| 2 | 2 190806M1_9 | Standard | 0.500 | 5.61 | 279.470 | 2800.342 | 1.247 | 0.5 | 9.3 | NO | 0.999 | NO | bb |
| 3 | 3 190806M1_10 | Standard | 1.000 | 5.61 | 555.665 | 2687.758 | 2.584 | 1.1 | 13.2 | NO | 0.999 | NO | bb |
| 4 | 4 190806M1_11 | Standard | 2.000 | 5.61 | 1146.388 | 2765.376 | 5.182 | 2.3 | 13.6 | NO | 0.999 | NO | bb |
| 5 | 5 190806M1_12 | Standard | 5.000 | 5.61 | 2621.084 | 2708.088 | 12.098 | 5.3 | 6.2 | NO | 0.999 | NO | bb |
| 6 | 6 190806M1_13 | Standard | 10.000 | 5.61 | 5531.732 | 2666.297 | 25.934 | 11.4 | 14.2 | NO | 0.999 | NO | bb |
| 7 | 7 190806M1_14 | Standard | 50.000 | 5.61 | 23079.361 | 2654.992 | 108.660 | 48.6 | -2.7 | NO | 0.999 | NO | bb |
| 8 | 8 190806M1_15 | Standard | 100.000 | 5.61 | 25819.285 | 1488.501 | 216.823 | 99.3 | -0.7 | NO | 0.999 | NO | bb |
| 9 | 9 190806M1_16 | Standard | 250.000 | 5.61 | 80325.539 | 1986.754 | 505.382 | 248.9 | -0.4 | NO | 0.999 | NO | bb |
| 10 | 10 190806M1_17 | Standard | 500.000 | 5.60 | 129858.180 | 1825.772 | 889.064 | 501.2 | 0.2 | NO | 0.999 | NO | bb |

**Compound name: PFDoA**
Coefficient of Determination: R^2 = 0.999935
Calibration curve: -0.000539619 * x^2 + 1.0475 * x + -0.0159655
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 0.250 | 5.62 | 786.551 | 35840.500 | 0.274 | 0.3 | 10.9 | NO | 1.000 | NO | bb |
| 2 | 2 190806M1_9 | Standard | 0.500 | 5.62 | 1547.317 | 38897.324 | 0.497 | 0.5 | -2.0 | NO | 1.000 | NO | bb |
| 3 | 3 190806M1_10 | Standard | 1.000 | 5.62 | 2919.810 | 34443.582 | 1.060 | 1.0 | 2.7 | NO | 1.000 | NO | bb |
| 4 | 4 190806M1_11 | Standard | 2.000 | 5.62 | 5890.306 | 36871.582 | 1.997 | 1.9 | -3.8 | NO | 1.000 | NO | bb |
| 5 | 5 190806M1_12 | Standard | 5.000 | 5.62 | 13603.091 | 34326.844 | 4.954 | 4.8 | -4.9 | NO | 1.000 | NO | bb |
| 6 | 6 190806M1_13 | Standard | 10.000 | 5.62 | 29721.053 | 37229.211 | 9.979 | 9.6 | -4.1 | NO | 1.000 | NO | bb |
| 7 | 7 190806M1_14 | Standard | 50.000 | 5.62 | 138057.219 | 33570.750 | 51.405 | 50.4 | 0.8 | NO | 1.000 | NO | bb |
| 8 | 8 190806M1_15 | Standard | 100.000 | 5.62 | 159331.734 | 19966.412 | 99.750 | 100.4 | 0.4 | NO | 1.000 | NO | bb |
| 9 | 9 190806M1_16 | Standard | 250.000 | 5.62 | 556227.813 | 30472.285 | 228.170 | 250.0 | 0.0 | NO | 1.000 | NO | bb |
| 10 | 10 190806M1_17 | Standard | 500.000 | 5.62 | 943780.000 | 30350.268 | 388.703 | 499.7 | -0.1 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: N-MeFOSA**
Coefficient of Determination: R^2 = 0.999697
Calibration curve: -0.000100722 * x^2 + 1.05366 * x + 0.0682911
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 1.250 | 5.72 | 163.722 | 18253.834 | 1.345 | 1.2 | -3.0 | NO | 1.000 | NO | bb |
| 2 | 2 190806M1_9 | Standard | 2.500 | 5.72 | 331.656 | 18486.590 | 2.691 | 2.5 | -0.4 | NO | 1.000 | NO | bb |
| 3 | 3 190806M1_10 | Standard | 5.000 | 5.72 | 631.753 | 18317.715 | 5.173 | 4.8 | -3.1 | NO | 1.000 | NO | bb |
| 4 | 4 190806M1_11 | Standard | 10.000 | 5.72 | 1361.796 | 18402.707 | 11.100 | 10.5 | 4.8 | NO | 1.000 | NO | db |
| 5 | 5 190806M1_12 | Standard | 25.000 | 5.72 | 3055.737 | 16806.502 | 27.273 | 25.9 | 3.5 | NO | 1.000 | NO | bb |
| 6 | 6 190806M1_13 | Standard | 50.000 | 5.72 | 6691.777 | 18887.176 | 53.145 | 50.6 | 1.2 | NO | 1.000 | NO | bb |
| 7 | 7 190806M1_14 | Standard | 250.000 | 5.72 | 30925.645 | 17658.035 | 262.705 | 255.5 | 2.2 | NO | 1.000 | NO | bb |
| 8 | 8 190806M1_15 | Standard | 500.000 | 5.72 | 34994.746 | 10274.539 | 510.895 | 509.6 | 1.9 | NO | 1.000 | NO | bb |
| 9 | 9 190806M1_16 | Standard | 1250.000 | 5.72 | 129516.602 | 17170.188 | 1131.466 | 1214.9 | -2.8 | NO | 1.000 | NO | bb |
| 10 | 10 190806M1_17 | Standard | 2500.000 | 5.72 | 223426.953 | 16620.369 | 2016.444 | 2521.4 | 0.9 | NO | 1.000 | NO | bb |

**Compound name: PFTrDA**
Coefficient of Determination: R^2 = 0.999802
Calibration curve: -0.000741404 * x^2 + 1.18062 * x + -0.0214257
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 0.250 | 5.88 | 895.400 | 35840.500 | 0.312 | 0.3 | 13.1 | NO | 1.000 | NO | db |
| 2 | 2 190806M1_9 | Standard | 0.500 | 5.88 | 1646.639 | 38897.324 | 0.529 | 0.5 | -6.7 | NO | 1.000 | NO | bb |
| 3 | 3 190806M1_10 | Standard | 1.000 | 5.88 | 3236.055 | 34443.582 | 1.174 | 1.0 | 1.4 | NO | 1.000 | NO | bb |
| 4 | 4 190806M1_11 | Standard | 2.000 | 5.88 | 6759.133 | 36871.582 | 2.291 | 2.0 | -1.9 | NO | 1.000 | NO | bb |
| 5 | 5 190806M1_12 | Standard | 5.000 | 5.88 | 15626.100 | 34326.844 | 5.690 | 4.9 | -2.9 | NO | 1.000 | NO | bb |
| 6 | 6 190806M1_13 | Standard | 10.000 | 5.88 | 33688.309 | 37229.211 | 11.311 | 9.7 | -3.4 | NO | 1.000 | NO | bb |
| 7 | 7 190806M1_14 | Standard | 50.000 | 5.88 | 156079.875 | 33570.750 | 58.116 | 50.9 | 1.7 | NO | 1.000 | NO | bb |
| 8 | 8 190806M1_15 | Standard | 100.000 | 5.88 | 172906.906 | 19966.412 | 108.249 | 97.7 | -2.3 | NO | 1.000 | NO | bb |
| 9 | 9 190806M1_16 | Standard | 250.000 | 5.88 | 614470.188 | 30472.285 | 252.061 | 254.0 | 1.6 | NO | 1.000 | NO | bb |
| 10 | 10 190806M1_17 | Standard | 500.000 | 5.88 | 980186.438 | 30350.268 | 403.698 | 497.2 | -0.6 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: PFDoS**
Coefficient of Determination: R^2 = 0.999854
Calibration curve: -1.2044e-005 * x^2 + 0.164741 * x + 0.00109458
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 5.90 | 90.368 | 23884.896 | 0.047 | 0.3 | 12.2 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 5.90 | 189.429 | 26273.045 | 0.090 | 0.5 | 8.1 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 5.90 | 250.525 | 24871.621 | 0.126 | 0.8 | -24.2 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 5.90 | 686.981 | 25212.514 | 0.341 | 2.1 | 3.1 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 5.90 | 1584.244 | 23553.365 | 0.841 | 5.1 | 2.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 5.90 | 3335.134 | 25529.855 | 1.633 | 9.9 | -0.9 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 5.90 | 15256.447 | 23611.791 | 8.077 | 49.2 | -1.6 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 5.90 | 17379.018 | 13038.315 | 16.661 | 101.9 | 1.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 5.90 | 65720.961 | 20429.783 | 40.211 | 248.6 | -0.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 5.90 | 112350.367 | 17682.117 | 79.424 | 500.4 | 0.1 | NO | 1.000 | NO | bb |

**Compound name: PFTeDA**
Correlation coefficient: r = 0.998950, r^2 = 0.997902
Calibration curve: 1.35837 * x + 0.150475
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 6.10 | 905.314 | 23884.896 | 0.474 | 0.2 | -4.8 | NO | 0.998 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 6.10 | 1475.585 | 26273.045 | 0.702 | 0.4 | -18.8 | NO | 0.998 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 6.10 | 2957.642 | 24871.621 | 1.486 | 1.0 | -1.6 | NO | 0.998 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 6.10 | 5816.915 | 25212.514 | 2.884 | 2.0 | 0.6 | NO | 0.998 | NO | db |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 6.09 | 13585.825 | 23553.365 | 7.210 | 5.2 | 3.9 | NO | 0.998 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 6.10 | 29779.000 | 25529.855 | 14.580 | 10.6 | 6.2 | NO | 0.998 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 6.10 | 138653.594 | 23611.791 | 73.403 | 53.9 | 7.9 | NO | 0.998 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 6.09 | 152648.125 | 13038.315 | 146.346 | 107.6 | 7.6 | NO | 0.998 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 6.09 | 571014.813 | 20429.783 | 349.376 | 257.1 | 2.8 | NO | 0.998 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 6.09 | 923783.000 | 17682.117 | 653.049 | 480.6 | -3.9 | NO | 0.998 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: N-EtFOSA**
Coefficient of Determination: R^2 = 0.999857
Calibration curve: -4.69914e-005 * x^2 + 0.933106 * x + -0.02532
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 1.250 | 6.15 | 190.901 | 22806.645 | 1.256 | 1.4 | 9.8 | NO | 1.000 | NO | db |
| 2 | 2 | 190806M1_9 | Standard | 2.500 | 6.15 | 357.697 | 24960.469 | 2.150 | 2.3 | -6.8 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 5.000 | 6.14 | 684.869 | 23515.621 | 4.369 | 4.7 | -5.8 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 10.000 | 6.15 | 1402.841 | 24037.559 | 8.754 | 9.4 | -5.9 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 25.000 | 6.14 | 3507.139 | 21356.354 | 24.633 | 26.5 | 5.8 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 50.000 | 6.14 | 7535.925 | 24016.168 | 47.068 | 50.6 | 1.2 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 250.000 | 6.15 | 34522.910 | 22081.123 | 234.519 | 254.6 | 1.8 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 500.000 | 6.14 | 39166.406 | 12807.221 | 458.723 | 504.5 | 0.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 1250.000 | 6.14 | 139431.141 | 19419.566 | 1076.990 | 1230.5 | -1.6 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 2500.000 | 6.14 | 239649.359 | 17571.465 | 2045.783 | 2509.7 | 0.4 | NO | 1.000 | NO | bb |

**Compound name: PFHxDA**
Coefficient of Determination: R^2 = 0.999971
Calibration curve: -0.000178702 * x^2 + 0.562995 * x + 0.0353603
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 6.44 | 495.308 | 13246.312 | 0.187 | 0.3 | 7.7 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 6.44 | 906.015 | 14059.456 | 0.322 | 0.5 | 1.9 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 6.44 | 1557.176 | 13228.853 | 0.589 | 1.0 | -1.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 6.44 | 2939.152 | 13471.642 | 1.091 | 1.9 | -6.2 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 6.44 | 7116.761 | 12625.073 | 2.819 | 5.0 | -1.0 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 6.44 | 15491.351 | 13954.367 | 5.551 | 9.8 | -1.7 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 6.44 | 69441.398 | 12367.285 | 28.075 | 50.6 | 1.2 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 6.44 | 75273.398 | 6914.164 | 54.434 | 99.8 | -0.2 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 6.44 | 280062.188 | 10808.115 | 129.561 | 249.9 | -0.0 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 6.44 | 505943.781 | 10679.516 | 236.876 | 500.0 | 0.0 | NO | 1.000 | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: PFODA**
Correlation coefficient: r = 0.998159, r^2 = 0.996321
Calibration curve: 0.678689 * x + 0.027474
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 0.250 | 6.68 | 520.917 | 13246.312 | 0.197 | 0.2 | -0.3 | NO | 0.996 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 0.500 | 6.68 | 1000.219 | 14059.456 | 0.356 | 0.5 | -3.3 | NO | 0.996 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 1.000 | 6.68 | 1769.505 | 13228.853 | 0.669 | 0.9 | -5.5 | NO | 0.996 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 2.000 | 6.68 | 3825.812 | 13471.642 | 1.420 | 2.1 | 2.6 | NO | 0.996 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 6.68 | 9035.190 | 12625.073 | 3.578 | 5.2 | 4.6 | NO | 0.996 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 10.000 | 6.68 | 19759.916 | 13954.367 | 7.080 | 10.4 | 3.9 | NO | 0.996 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 50.000 | 6.68 | 89128.984 | 12367.285 | 36.034 | 53.1 | 6.1 | NO | 0.996 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 100.000 | 6.68 | 100134.008 | 6914.164 | 72.412 | 106.7 | 6.7 | NO | 0.996 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 250.000 | 6.68 | 392047.219 | 10808.115 | 181.367 | 267.2 | 6.9 | NO | 0.996 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 500.000 | 6.68 | 684999.563 | 10679.516 | 320.707 | 472.5 | -5.5 | NO | 0.996 | NO | bb |

**Compound name: N-MeFOSE**
Correlation coefficient: r = 0.999963, r^2 = 0.999925
Calibration curve: 1.04737 * x + -0.125627
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 1.250 | 6.32 | 103.165 | 14023.521 | 1.103 | 1.2 | -6.1 | NO | 1.000 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 2.500 | 6.32 | 270.523 | 14943.354 | 2.715 | 2.7 | 8.5 | NO | 1.000 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 5.000 | 6.32 | 466.349 | 13778.213 | 5.077 | 5.0 | -0.7 | NO | 1.000 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 10.000 | 6.32 | 1089.043 | 14548.690 | 11.228 | 10.8 | 8.4 | NO | 1.000 | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 25.000 | 6.32 | 2281.745 | 13768.383 | 24.859 | 23.9 | -4.6 | NO | 1.000 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 50.000 | 6.32 | 4870.510 | 14728.213 | 49.604 | 47.5 | -5.0 | NO | 1.000 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 250.000 | 6.32 | 24300.080 | 13908.305 | 262.074 | 250.3 | 0.1 | NO | 1.000 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 500.000 | 6.32 | 27373.314 | 7911.667 | 518.980 | 495.6 | -0.9 | NO | 1.000 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 1250.000 | 6.32 | 121126.711 | 13892.079 | 1307.868 | 1248.8 | -0.1 | NO | 1.000 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 2500.000 | 6.32 | 240927.656 | 13758.948 | 2626.592 | 2507.9 | 0.3 | NO | 1.000 | NO | bb |

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Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: N-EtFOSE**
Correlation coefficient: r = 0.999746, r^2 = 0.999493
Calibration curve: 1.24629 * x + 0.145155
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 1.250 | 6.47 | 152.208 | 13961.063 | 1.635 | 1.2 | -4.3 | NO | 0.999 | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 2.500 | 6.47 | 290.136 | 14530.668 | 2.995 | 2.3 | -8.5 | NO | 0.999 | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 5.000 | 6.47 | 631.187 | 13599.176 | 6.962 | 5.5 | 9.4 | NO | 0.999 | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 10.000 | 6.47 | 1216.607 | 14672.760 | 12.437 | 9.9 | -1.4 | NO | 0.999 | NO | bd |
| 5 | 5 | 190806M1_12 | Standard | 25.000 | 6.47 | 2890.257 | 13306.842 | 32.580 | 26.0 | 4.1 | NO | 0.999 | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 50.000 | 6.47 | 6051.892 | 14263.905 | 63.642 | 50.9 | 1.9 | NO | 0.999 | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 250.000 | 6.47 | 29107.221 | 14023.052 | 311.350 | 249.7 | -0.1 | NO | 0.999 | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 500.000 | 6.47 | 33195.926 | 8257.980 | 602.979 | 483.7 | -3.3 | NO | 0.999 | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 1250.000 | 6.47 | 145695.844 | 13579.748 | 1609.336 | 1291.2 | 3.3 | NO | 0.999 | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 2500.000 | 6.47 | 273450.813 | 13305.801 | 3082.687 | 2473.4 | -1.1 | NO | 0.999 | NO | bb |

**Compound name: 13C3-PFBA**
Response Factor: 0.720276
RRF SD: 0.0136381, Relative SD: 1.89346
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 1.25 | 10479.966 | 14190.014 | 9.232 | 12.8 | 2.5 | NO | | NO | MM |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 1.25 | 10724.010 | 14511.788 | 9.237 | 12.8 | 2.6 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 1.25 | 10715.513 | 15241.521 | 8.788 | 12.2 | -2.4 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 1.25 | 10564.141 | 14452.781 | 9.137 | 12.7 | 1.5 | NO | | NO | MM |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 1.25 | 10746.421 | 14936.275 | 8.994 | 12.5 | -0.1 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 1.25 | 10279.664 | 14609.487 | 8.795 | 12.2 | -2.3 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 1.25 | 10309.710 | 14430.785 | 8.930 | 12.4 | -0.8 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 1.25 | 5935.080 | 8319.088 | 8.918 | 12.4 | -1.0 | NO | | NO | MM |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 1.25 | 9979.356 | 13658.369 | 9.133 | 12.7 | 1.4 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 1.25 | 10340.554 | 14571.717 | 8.870 | 12.3 | -1.5 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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**Compound name: 13C3-PFPeA**
Response Factor: 0.51406
RRF SD: 0.0149015, Relative SD: 2.89878
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 2.23 | 15465.281 | 29189.889 | 6.623 | 12.9 | 3.1 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 2.23 | 16140.842 | 31443.551 | 6.417 | 12.5 | -0.1 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 2.23 | 15204.159 | 30180.609 | 6.297 | 12.2 | -2.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 2.23 | 15602.045 | 30539.467 | 6.386 | 12.4 | -0.6 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 2.23 | 14381.547 | 29285.145 | 6.139 | 11.9 | -4.5 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 2.23 | 15564.313 | 30927.479 | 6.291 | 12.2 | -2.1 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 2.23 | 15253.251 | 29872.695 | 6.383 | 12.4 | -0.7 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 2.22 | 8411.386 | 16573.859 | 6.344 | 12.3 | -1.3 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 2.23 | 13274.252 | 25020.174 | 6.632 | 12.9 | 3.2 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 2.22 | 12027.258 | 22280.842 | 6.748 | 13.1 | 5.0 | NO | | NO | bb |

**Compound name: 13C3-PFBS**
Response Factor: 1.10154
RRF SD: 0.0327696, Relative SD: 2.97489
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 2.52 | 1987.343 | 1765.561 | 14.070 | 12.8 | 2.2 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 2.52 | 2145.961 | 1993.729 | 13.454 | 12.2 | -2.3 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 2.52 | 2023.891 | 1905.359 | 13.278 | 12.1 | -3.6 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 2.52 | 2071.317 | 1878.670 | 13.782 | 12.5 | 0.1 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 2.52 | 1992.444 | 1773.867 | 14.040 | 12.7 | 2.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 2.52 | 2212.926 | 1975.222 | 14.004 | 12.7 | 1.7 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 2.52 | 1886.823 | 1733.042 | 13.609 | 12.4 | -1.2 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 2.52 | 1163.932 | 1092.094 | 13.322 | 12.1 | -3.2 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 2.52 | 1676.672 | 1547.566 | 13.543 | 12.3 | -1.6 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 2.52 | 1413.170 | 1210.758 | 14.590 | 13.2 | 6.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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**Compound name: 13C3-HFPO-DA**
Response Factor: 0.147307
RRF SD: 0.00967792, Relative SD: 6.56988
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 5.000 | 3.24 | 1792.967 | 29189.889 | 0.768 | 5.2 | 4.2 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 5.000 | 3.24 | 1904.769 | 31443.551 | 0.757 | 5.1 | 2.8 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 5.000 | 3.23 | 1635.656 | 30180.609 | 0.677 | 4.6 | -8.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 5.000 | 3.24 | 1893.402 | 30539.467 | 0.775 | 5.3 | 5.2 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 3.24 | 1706.150 | 29285.145 | 0.728 | 4.9 | -1.1 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 5.000 | 3.24 | 1886.065 | 30927.479 | 0.762 | 5.2 | 3.5 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 5.000 | 3.24 | 1570.916 | 29872.695 | 0.657 | 4.5 | -10.8 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 5.000 | 3.24 | 1064.998 | 16573.859 | 0.803 | 5.5 | 9.1 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 5.000 | 3.23 | 1510.012 | 25020.174 | 0.754 | 5.1 | 2.4 | NO | | NO | bd |
| 10 | 10 | 190806M1_17 | Standard | 5.000 | 3.23 | 1216.394 | 22280.842 | 0.682 | 4.6 | -7.3 | NO | | NO | bb |

**Compound name: 13C2-4:2 FTS**
Response Factor: 1.82272
RRF SD: 0.166122, Relative SD: 9.11396
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 2.93 | 3613.963 | 1765.561 | 25.587 | 14.0 | 12.3 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 2.93 | 3707.923 | 1993.729 | 23.247 | 12.8 | 2.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 2.93 | 3494.684 | 1905.359 | 22.927 | 12.6 | 0.6 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 2.93 | 3806.729 | 1878.670 | 25.329 | 13.9 | 11.2 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 2.93 | 3361.890 | 1773.867 | 23.690 | 13.0 | 4.0 | NO | | NO | bd |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 2.93 | 3615.189 | 1975.222 | 22.878 | 12.6 | 0.4 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 2.93 | 3293.482 | 1733.042 | 23.755 | 13.0 | 4.3 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 2.93 | 1778.656 | 1092.094 | 20.358 | 11.2 | -10.6 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 2.93 | 2374.379 | 1547.566 | 19.178 | 10.5 | -15.8 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 2.93 | 2023.470 | 1210.758 | 20.891 | 11.5 | -8.3 | NO | | NO | bb |

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**Compound name: 13C2-PFHxA**
Response Factor: 0.988059
RRF SD: 0.0239369, Relative SD: 2.42262
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 5.000 | 3.02 | 11579.720 | 29189.889 | 4.959 | 5.0 | 0.4 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 5.000 | 3.02 | 12509.902 | 31443.551 | 4.973 | 5.0 | 0.7 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 5.000 | 3.02 | 11880.075 | 30180.609 | 4.920 | 5.0 | -0.4 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 5.000 | 3.02 | 11862.896 | 30539.467 | 4.856 | 4.9 | -1.7 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 5.000 | 3.02 | 11421.128 | 29285.145 | 4.875 | 4.9 | -1.3 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 5.000 | 3.02 | 12164.343 | 30927.479 | 4.916 | 5.0 | -0.5 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 5.000 | 3.02 | 11326.182 | 29872.695 | 4.739 | 4.8 | -4.1 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 5.000 | 3.02 | 6580.804 | 16573.859 | 4.963 | 5.0 | 0.5 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 5.000 | 3.02 | 9995.205 | 25020.174 | 4.994 | 5.1 | 1.1 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 5.000 | 3.02 | 9282.018 | 22280.842 | 5.207 | 5.3 | 5.4 | NO | | NO | bb |

**Compound name: 13C4-PFHpA**
Response Factor: 0.484808
RRF SD: 0.0184009, Relative SD: 3.79551
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 3.65 | 14884.972 | 29189.889 | 6.374 | 13.1 | 5.2 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 3.65 | 16223.330 | 31443.551 | 6.449 | 13.3 | 6.4 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 3.65 | 14454.550 | 30180.609 | 5.987 | 12.3 | -1.2 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 3.65 | 14988.209 | 30539.467 | 6.135 | 12.7 | 1.2 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 3.65 | 13982.654 | 29285.145 | 5.968 | 12.3 | -1.5 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 3.65 | 14879.766 | 30927.479 | 6.014 | 12.4 | -0.8 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 3.65 | 14192.302 | 29872.695 | 5.939 | 12.2 | -2.0 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 3.65 | 8051.796 | 16573.859 | 6.073 | 12.5 | 0.2 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 3.65 | 12083.574 | 25020.174 | 6.037 | 12.5 | -0.4 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 3.65 | 10027.047 | 22280.842 | 5.625 | 11.6 | -7.2 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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**Compound name: 13C3-PFHxS**
Response Factor: 2.21105
RRF SD: 0.0952462, Relative SD: 4.30773
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 3.80 | 3970.164 | 1765.561 | 28.108 | 12.7 | 1.7 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 3.80 | 4459.337 | 1993.729 | 27.959 | 12.6 | 1.2 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 3.80 | 4177.167 | 1905.359 | 27.404 | 12.4 | -0.8 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 3.80 | 4117.800 | 1878.670 | 27.398 | 12.4 | -0.9 | NO | | NO | bd |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 3.80 | 4004.033 | 1773.867 | 28.215 | 12.8 | 2.1 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 3.80 | 4097.443 | 1975.222 | 25.930 | 11.7 | -6.2 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 3.80 | 3931.054 | 1733.042 | 28.354 | 12.8 | 2.6 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 3.80 | 2252.317 | 1092.094 | 25.780 | 11.7 | -6.7 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 3.80 | 3386.467 | 1547.566 | 27.353 | 12.4 | -1.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 3.80 | 2894.164 | 1210.758 | 29.880 | 13.5 | 8.1 | NO | | NO | bb |

**Compound name: 13C2-6:2 FTS**
Response Factor: 0.561817
RRF SD: 0.026337, Relative SD: 4.68783
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 4.12 | 2520.381 | 4524.700 | 6.963 | 12.4 | -0.9 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 4.12 | 2915.378 | 4975.359 | 7.325 | 13.0 | 4.3 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 4.12 | 2702.855 | 4681.095 | 7.217 | 12.8 | 2.8 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 4.12 | 2871.247 | 4799.711 | 7.478 | 13.3 | 6.5 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 4.12 | 2388.587 | 4618.792 | 6.464 | 11.5 | -8.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 4.12 | 2901.092 | 4909.340 | 7.387 | 13.1 | 5.2 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 4.12 | 2421.255 | 4314.133 | 7.015 | 12.5 | -0.1 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 4.12 | 1404.963 | 2601.863 | 6.750 | 12.0 | -3.9 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 4.12 | 2115.848 | 3812.741 | 6.937 | 12.3 | -1.2 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 4.12 | 1749.576 | 3268.241 | 6.692 | 11.9 | -4.7 | NO | | NO | bb |

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**Compound name: 13C5-PFNA**
Response Factor: 1.01355
RRF SD: 0.0186004, Relative SD: 1.83517
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 4.62 | 26821.664 | 26078.488 | 12.856 | 12.7 | 1.5 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 4.62 | 28486.428 | 28111.688 | 12.667 | 12.5 | -0.0 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 4.62 | 26315.971 | 26662.623 | 12.337 | 12.2 | -2.6 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 4.62 | 28337.734 | 27983.279 | 12.658 | 12.5 | -0.1 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 4.62 | 26963.355 | 25554.770 | 13.189 | 13.0 | 4.1 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 4.62 | 27972.621 | 27946.623 | 12.512 | 12.3 | -1.2 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 4.62 | 25987.896 | 26028.395 | 12.481 | 12.3 | -1.5 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 4.62 | 15248.329 | 15051.499 | 12.663 | 12.5 | -0.0 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 4.62 | 22771.938 | 22605.680 | 12.592 | 12.4 | -0.6 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 4.62 | 19441.260 | 19077.592 | 12.738 | 12.6 | 0.5 | NO | | NO | bb |

**Compound name: 13C8-PFOSA**
Response Factor: 0.2093
RRF SD: 0.00878484, Relative SD: 4.19725
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 4.68 | 7370.523 | 34827.719 | 2.645 | 12.6 | 1.1 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 4.68 | 8156.011 | 38335.926 | 2.659 | 12.7 | 1.6 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 4.68 | 7392.379 | 37124.148 | 2.489 | 11.9 | -4.9 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 4.68 | 7777.947 | 38436.027 | 2.530 | 12.1 | -3.3 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 4.68 | 7249.669 | 34217.195 | 2.648 | 12.7 | 1.2 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 4.68 | 7464.219 | 36977.000 | 2.523 | 12.1 | -3.6 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 4.68 | 7214.451 | 35369.734 | 2.550 | 12.2 | -2.5 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 4.68 | 4095.888 | 20123.201 | 2.544 | 12.2 | -2.8 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 4.68 | 6027.083 | 27510.986 | 2.738 | 13.1 | 4.7 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 4.68 | 5634.250 | 24841.816 | 2.835 | 13.5 | 8.4 | NO | | NO | bb |

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**Compound name: 13C2-PFOA**
Response Factor: 0.71383
RRF SD: 0.0196127, Relative SD: 2.74753
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 4.18 | 25330.043 | 34027.043 | 9.305 | 13.0 | 4.3 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 4.18 | 28465.316 | 38183.258 | 9.319 | 13.1 | 4.4 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 4.18 | 25665.264 | 36349.563 | 8.826 | 12.4 | -1.1 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 4.18 | 26050.084 | 37251.324 | 8.741 | 12.2 | -2.0 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 4.18 | 24433.006 | 35154.098 | 8.688 | 12.2 | -2.6 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 4.18 | 25780.920 | 37099.961 | 8.686 | 12.2 | -2.7 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 4.18 | 24664.947 | 34381.781 | 8.967 | 12.6 | 0.5 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 4.18 | 13732.458 | 19250.592 | 8.917 | 12.5 | -0.1 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 4.18 | 19032.539 | 26171.695 | 9.090 | 12.7 | 1.9 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 4.18 | 15776.228 | 22694.998 | 8.689 | 12.2 | -2.6 | NO | | NO | bb |

**Compound name: 13C8-PFOS**
Response Factor: 0.989914
RRF SD: 0.0373604, Relative SD: 3.7741
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 4.71 | 4435.133 | 4524.700 | 12.253 | 12.4 | -1.0 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 4.71 | 4839.329 | 4975.359 | 12.158 | 12.3 | -1.7 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 4.71 | 4627.885 | 4681.095 | 12.358 | 12.5 | -0.1 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 4.71 | 4586.572 | 4799.711 | 11.945 | 12.1 | -3.5 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 4.71 | 4416.629 | 4618.792 | 11.953 | 12.1 | -3.4 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 4.71 | 4966.637 | 4909.340 | 12.646 | 12.8 | 2.2 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 4.71 | 4635.966 | 4314.133 | 13.432 | 13.6 | 8.6 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 4.71 | 2474.028 | 2601.863 | 11.886 | 12.0 | -3.9 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 4.71 | 3784.991 | 3812.741 | 12.409 | 12.5 | 0.3 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 4.71 | 3320.412 | 3268.241 | 12.700 | 12.8 | 2.6 | NO | | NO | bd |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 13C2-PFDA**
Response Factor: 0.781925
RRF SD: 0.0302522, Relative SD: 3.86893
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.01 | 25867.617 | 32731.895 | 9.879 | 12.6 | 1.1 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.01 | 28056.900 | 35030.852 | 10.011 | 12.8 | 2.4 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.01 | 25776.146 | 33555.578 | 9.602 | 12.3 | -1.8 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.01 | 26379.867 | 35114.410 | 9.391 | 12.0 | -3.9 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.01 | 25221.037 | 31115.531 | 10.132 | 13.0 | 3.7 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.01 | 24951.506 | 34651.680 | 9.001 | 11.5 | -7.9 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.01 | 25863.400 | 32488.074 | 9.951 | 12.7 | 1.8 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.01 | 14392.619 | 18285.746 | 9.839 | 12.6 | 0.7 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.01 | 21167.713 | 27430.250 | 9.646 | 12.3 | -1.3 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.01 | 19538.588 | 23737.115 | 10.289 | 13.2 | 5.3 | NO | | NO | bb |

**Compound name: 13C2-8:2 FTS**
Response Factor: 0.569579
RRF SD: 0.0256867, Relative SD: 4.50977
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 4.98 | 2651.324 | 4524.700 | 7.325 | 12.9 | 2.9 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 4.98 | 2800.342 | 4975.359 | 7.036 | 12.4 | -1.2 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 4.98 | 2687.758 | 4681.095 | 7.177 | 12.6 | 0.8 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 4.98 | 2765.376 | 4799.711 | 7.202 | 12.6 | 1.2 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 4.98 | 2708.088 | 4618.792 | 7.329 | 12.9 | 2.9 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 4.98 | 2666.297 | 4909.340 | 6.789 | 11.9 | -4.6 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 4.98 | 2654.992 | 4314.133 | 7.693 | 13.5 | 8.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 4.98 | 1488.501 | 2601.863 | 7.151 | 12.6 | 0.4 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 4.97 | 1986.754 | 3812.741 | 6.514 | 11.4 | -8.5 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 4.97 | 1825.772 | 3268.241 | 6.983 | 12.3 | -1.9 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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**Compound name: d3-N-MeFOSAA**
Response Factor: 0.154034
RRF SD: 0.00879778, Relative SD: 5.71157
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.16 | 5470.630 | 34827.719 | 1.963 | 12.7 | 2.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.16 | 5891.633 | 38335.926 | 1.921 | 12.5 | -0.2 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.16 | 5313.605 | 37124.148 | 1.789 | 11.6 | -7.1 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.16 | 5597.126 | 38436.027 | 1.820 | 11.8 | -5.5 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.16 | 5098.292 | 34217.195 | 1.862 | 12.1 | -3.3 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.16 | 5816.699 | 36977.000 | 1.966 | 12.8 | 2.1 | NO | | NO | bd |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.16 | 5159.030 | 35369.734 | 1.823 | 11.8 | -5.3 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.15 | 3103.065 | 20123.201 | 1.928 | 12.5 | 0.1 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.15 | 4468.229 | 27510.986 | 2.030 | 13.2 | 5.4 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.15 | 4273.920 | 24841.816 | 2.151 | 14.0 | 11.7 | NO | | NO | bb |

**Compound name: 13C2-PFUdA**
Response Factor: 1.01925
RRF SD: 0.0443324, Relative SD: 4.34952
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.34 | 36785.672 | 34827.719 | 13.203 | 13.0 | 3.6 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.34 | 37873.570 | 38335.926 | 12.349 | 12.1 | -3.1 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.34 | 35975.281 | 37124.148 | 12.113 | 11.9 | -4.9 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.34 | 37733.219 | 38436.027 | 12.271 | 12.0 | -3.7 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.34 | 36066.191 | 34217.195 | 13.175 | 12.9 | 3.4 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.34 | 37048.738 | 36977.000 | 12.524 | 12.3 | -1.7 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.34 | 34401.375 | 35369.734 | 12.158 | 11.9 | -4.6 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.34 | 20430.928 | 20123.201 | 12.691 | 12.5 | -0.4 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.34 | 30264.861 | 27510.986 | 13.751 | 13.5 | 7.9 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.34 | 26171.965 | 24841.816 | 13.169 | 12.9 | 3.4 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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**Compound name: d5-N-EtFOSAA**
Response Factor: 0.196039
RRF SD: 0.00700096, Relative SD: 3.57121
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.31 | 6427.400 | 34827.719 | 2.307 | 11.8 | -5.9 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.31 | 7449.860 | 38335.926 | 2.429 | 12.4 | -0.9 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.31 | 7157.377 | 37124.148 | 2.410 | 12.3 | -1.7 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.31 | 7704.213 | 38436.027 | 2.506 | 12.8 | 2.2 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.31 | 7079.119 | 34217.195 | 2.586 | 13.2 | 5.5 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.31 | 7320.123 | 36977.000 | 2.475 | 12.6 | 1.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.31 | 6775.031 | 35369.734 | 2.394 | 12.2 | -2.3 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.31 | 4114.533 | 20123.201 | 2.556 | 13.0 | 4.3 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.31 | 5470.159 | 27510.986 | 2.485 | 12.7 | 1.4 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.31 | 4684.326 | 24841.816 | 2.357 | 12.0 | -3.8 | NO | | NO | bb |

**Compound name: 13C2-PFDoA**
Response Factor: 1.09742
RRF SD: 0.0708392, Relative SD: 6.45508
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.62 | 35840.500 | 32731.895 | 13.687 | 12.5 | -0.2 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.62 | 38897.324 | 35030.852 | 13.880 | 12.6 | 1.2 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.62 | 34443.582 | 33555.578 | 12.831 | 11.7 | -6.5 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.62 | 36871.582 | 35114.410 | 13.126 | 12.0 | -4.3 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.62 | 34326.844 | 31115.531 | 13.790 | 12.6 | 0.5 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.62 | 37229.211 | 34651.680 | 13.430 | 12.2 | -2.1 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.62 | 33570.750 | 32488.074 | 12.917 | 11.8 | -5.8 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.62 | 19966.412 | 18285.746 | 13.649 | 12.4 | -0.5 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.62 | 30472.285 | 27430.250 | 13.886 | 12.7 | 1.2 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.62 | 30350.268 | 23737.115 | 15.982 | 14.6 | 16.5 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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**Compound name: d3-N-MeFOSA**
Response Factor: 0.0440291
RRF SD: 0.00538946, Relative SD: 12.2407
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 150.000 | 5.75 | 18253.834 | 34827.719 | 6.551 | 148.8 | -0.8 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 150.000 | 5.75 | 18486.590 | 38335.926 | 6.028 | 136.9 | -8.7 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 150.000 | 5.75 | 18317.715 | 37124.148 | 6.168 | 140.1 | -6.6 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 150.000 | 5.75 | 18402.707 | 38436.027 | 5.985 | 135.9 | -9.4 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 150.000 | 5.75 | 16806.502 | 34217.195 | 6.140 | 139.4 | -7.0 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 150.000 | 5.75 | 18887.176 | 36977.000 | 6.385 | 145.0 | -3.3 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 150.000 | 5.75 | 17658.035 | 35369.734 | 6.241 | 141.7 | -5.5 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 150.000 | 5.75 | 10274.539 | 20123.201 | 6.382 | 145.0 | -3.4 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 150.000 | 5.75 | 17170.188 | 27510.986 | 7.802 | 177.2 | 18.1 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 150.000 | 5.75 | 16620.369 | 24841.816 | 8.363 | 189.9 | 26.6 | NO | | NO | bb |

**Compound name: 13C2-PFTeDA**
Response Factor: 0.684572
RRF SD: 0.0275346, Relative SD: 4.02217
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 6.10 | 23884.896 | 34827.719 | 8.573 | 12.5 | 0.2 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 6.10 | 26273.045 | 38335.926 | 8.567 | 12.5 | 0.1 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 6.10 | 24871.621 | 37124.148 | 8.374 | 12.2 | -2.1 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 6.10 | 25212.514 | 38436.027 | 8.200 | 12.0 | -4.2 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 6.10 | 23553.365 | 34217.195 | 8.604 | 12.6 | 0.6 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 6.10 | 25529.855 | 36977.000 | 8.630 | 12.6 | 0.9 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 6.10 | 23611.791 | 35369.734 | 8.345 | 12.2 | -2.5 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 6.09 | 13038.315 | 20123.201 | 8.099 | 11.8 | -5.4 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 6.09 | 20429.783 | 27510.986 | 9.283 | 13.6 | 8.5 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 6.09 | 17682.117 | 24841.816 | 8.897 | 13.0 | 4.0 | NO | | NO | bb |

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**Compound name: d5-N-ETFOSA**
Response Factor: 0.0542696
RRF SD: 0.00260776, Relative SD: 4.80519
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 150.000 | 6.16 | 22806.645 | 34827.719 | 8.186 | 150.8 | 0.6 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 150.000 | 6.16 | 24960.469 | 38335.926 | 8.139 | 150.0 | -0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 150.000 | 6.16 | 23515.621 | 37124.148 | 7.918 | 145.9 | -2.7 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 150.000 | 6.16 | 24037.559 | 38436.027 | 7.817 | 144.0 | -4.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 150.000 | 6.16 | 21356.354 | 34217.195 | 7.802 | 143.8 | -4.2 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 150.000 | 6.16 | 24016.168 | 36977.000 | 8.119 | 149.6 | -0.3 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 150.000 | 6.16 | 22081.123 | 35369.734 | 7.804 | 143.8 | -4.1 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 150.000 | 6.16 | 12807.221 | 20123.201 | 7.956 | 146.6 | -2.3 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 150.000 | 6.16 | 19419.566 | 27510.986 | 8.824 | 162.6 | 8.4 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 150.000 | 6.16 | 17571.465 | 24841.816 | 8.842 | 162.9 | 8.6 | NO | | NO | bb |

**Compound name: 13C2-PFHxDA**
Response Factor: 0.92907
RRF SD: 0.0642027, Relative SD: 6.91043
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 5.000 | 6.44 | 13246.312 | 34827.719 | 4.754 | 5.1 | 2.3 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 5.000 | 6.44 | 14059.456 | 38335.926 | 4.584 | 4.9 | -1.3 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 5.000 | 6.44 | 13228.853 | 37124.148 | 4.454 | 4.8 | -4.1 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 5.000 | 6.44 | 13471.642 | 38436.027 | 4.381 | 4.7 | -5.7 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 5.000 | 6.44 | 12625.073 | 34217.195 | 4.612 | 5.0 | -0.7 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 5.000 | 6.44 | 13954.367 | 36977.000 | 4.717 | 5.1 | 1.5 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 5.000 | 6.44 | 12367.285 | 35369.734 | 4.371 | 4.7 | -5.9 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 5.000 | 6.44 | 6914.164 | 20123.201 | 4.295 | 4.6 | -7.5 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 5.000 | 6.44 | 10808.115 | 27510.986 | 4.911 | 5.3 | 5.7 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 5.000 | 6.44 | 10679.516 | 24841.816 | 5.374 | 5.8 | 15.7 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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**Compound name: d7-N-MeFOSE**
Response Factor: 0.0349001
RRF SD: 0.00502026, Relative SD: 14.3846
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 150.000 | 6.31 | 14023.521 | 34827.719 | 5.033 | 144.2 | -3.9 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 150.000 | 6.31 | 14943.354 | 38335.926 | 4.873 | 139.6 | -6.9 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 150.000 | 6.31 | 13778.213 | 37124.148 | 4.639 | 132.9 | -11.4 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 150.000 | 6.31 | 14548.690 | 38436.027 | 4.731 | 135.6 | -9.6 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 150.000 | 6.31 | 13768.383 | 34217.195 | 5.030 | 144.1 | -3.9 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 150.000 | 6.31 | 14728.213 | 36977.000 | 4.979 | 142.7 | -4.9 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 150.000 | 6.31 | 13908.305 | 35369.734 | 4.915 | 140.8 | -6.1 | NO | | NO | bd |
| 8 | 8 | 190806M1_15 | Standard | 150.000 | 6.31 | 7911.667 | 20123.201 | 4.915 | 140.8 | -6.1 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 150.000 | 6.31 | 13892.079 | 27510.986 | 6.312 | 180.9 | 20.6 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 150.000 | 6.30 | 13758.948 | 24841.816 | 6.923 | 198.4 | 32.2 | NO | | NO | bb |

**Compound name: d9-N-EtFOSE**
Response Factor: 0.034489
RRF SD: 0.00461376, Relative SD: 13.3775
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 150.000 | 6.46 | 13961.063 | 34827.719 | 5.011 | 145.3 | -3.1 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 150.000 | 6.46 | 14530.668 | 38335.926 | 4.738 | 137.4 | -8.4 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 150.000 | 6.46 | 13599.176 | 37124.148 | 4.579 | 132.8 | -11.5 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 150.000 | 6.46 | 14672.760 | 38436.027 | 4.772 | 138.4 | -7.8 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 150.000 | 6.46 | 13306.842 | 34217.195 | 4.861 | 140.9 | -6.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 150.000 | 6.46 | 14263.905 | 36977.000 | 4.822 | 139.8 | -6.8 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 150.000 | 6.46 | 14023.052 | 35369.734 | 4.956 | 143.7 | -4.2 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 150.000 | 6.46 | 8257.980 | 20123.201 | 5.130 | 148.7 | -0.8 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 150.000 | 6.46 | 13579.748 | 27510.986 | 6.170 | 178.9 | 19.3 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 150.000 | 6.45 | 13305.801 | 24841.816 | 6.695 | 194.1 | 29.4 | NO | | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 13C4-PFBA**
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-015
Response type: Internal Std ( Ref 72 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 1.25 | 14190.014 | 14190.014 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 1.24 | 14511.788 | 14511.788 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 1.25 | 15241.521 | 15241.521 | 12.500 | 12.5 | 0.0 | NO | | NO | MM |
| 4 | 4 190806M1_11 | Standard | 12.500 | 1.25 | 14452.781 | 14452.781 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 1.24 | 14936.275 | 14936.275 | 12.500 | 12.5 | 0.0 | NO | | NO | MM |
| 6 | 6 190806M1_13 | Standard | 12.500 | 1.25 | 14609.487 | 14609.487 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 1.25 | 14430.785 | 14430.785 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 1.24 | 8319.088 | 8319.088 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 1.25 | 13658.369 | 13658.369 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 1.24 | 14571.717 | 14571.717 | 12.500 | 12.5 | 0.0 | NO | | NO | db |

**Compound name: 13C5-PFHxA**
Response Factor: 1
RRF SD: 5.23364e-017, Relative SD: 5.23364e-015
Response type: Internal Std ( Ref 73 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 190806M1_8 | Standard | 12.500 | 3.02 | 29189.889 | 29189.889 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 190806M1_9 | Standard | 12.500 | 3.02 | 31443.551 | 31443.551 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 190806M1_10 | Standard | 12.500 | 3.02 | 30180.609 | 30180.609 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 190806M1_11 | Standard | 12.500 | 3.02 | 30539.467 | 30539.467 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 190806M1_12 | Standard | 12.500 | 3.02 | 29285.145 | 29285.145 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 190806M1_13 | Standard | 12.500 | 3.02 | 30927.479 | 30927.479 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 190806M1_14 | Standard | 12.500 | 3.02 | 29872.695 | 29872.695 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 190806M1_15 | Standard | 12.500 | 3.02 | 16573.859 | 16573.859 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 190806M1_16 | Standard | 12.500 | 3.02 | 25020.174 | 25020.174 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 190806M1_17 | Standard | 12.500 | 3.02 | 22280.842 | 22280.842 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 18O2-PFHxS**
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-015
Response type: Internal Std ( Ref 74 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 3.80 | 1765.561 | 1765.561 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 3.80 | 1993.729 | 1993.729 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 3.80 | 1905.359 | 1905.359 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 3.80 | 1878.670 | 1878.670 | 12.500 | 12.5 | 0.0 | NO | | NO | bd |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 3.80 | 1773.867 | 1773.867 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 3.80 | 1975.222 | 1975.222 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 3.81 | 1733.042 | 1733.042 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 3.80 | 1092.094 | 1092.094 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 3.80 | 1547.566 | 1547.566 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 3.80 | 1210.758 | 1210.758 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C8-PFOA**
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std ( Ref 75 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 4.18 | 34027.043 | 34027.043 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 4.18 | 38183.258 | 38183.258 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 4.18 | 36349.563 | 36349.563 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 4.18 | 37251.324 | 37251.324 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 4.18 | 35154.098 | 35154.098 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 4.18 | 37099.961 | 37099.961 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 4.18 | 34381.781 | 34381.781 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 4.18 | 19250.592 | 19250.592 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 4.18 | 26171.695 | 26171.695 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 4.18 | 22694.998 | 22694.998 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 13C9-PFNA**
Response Factor: 1
RRF SD: 9.06493e-017, Relative SD: 9.06493e-015
Response type: Internal Std ( Ref 76 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 4.62 | 26078.488 | 26078.488 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 4.62 | 28111.688 | 28111.688 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 4.62 | 26662.623 | 26662.623 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 4.62 | 27983.279 | 27983.279 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 4.62 | 25554.770 | 25554.770 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 4.62 | 27946.623 | 27946.623 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 4.62 | 26028.395 | 26028.395 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 4.62 | 15051.499 | 15051.499 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 4.62 | 22605.680 | 22605.680 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 4.62 | 19077.592 | 19077.592 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C4-PFOS**
Response Factor: 1
RRF SD: 7.40149e-017, Relative SD: 7.40149e-015
Response type: Internal Std ( Ref 77 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 4.71 | 4524.700 | 4524.700 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 4.71 | 4975.359 | 4975.359 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 4.71 | 4681.095 | 4681.095 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 4.71 | 4799.711 | 4799.711 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 4.71 | 4618.792 | 4618.792 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 4.71 | 4909.340 | 4909.340 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 4.71 | 4314.133 | 4314.133 | 12.500 | 12.5 | 0.0 | NO | | NO | bd |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 4.71 | 2601.863 | 2601.863 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 4.71 | 3812.741 | 3812.741 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 4.71 | 3268.241 | 3268.241 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:29:17 Pacific Daylight Time

**Compound name: 13C6-PFDA**
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-015
Response type: Internal Std ( Ref 78 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.01 | 32731.895 | 32731.895 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.01 | 35030.852 | 35030.852 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.01 | 33555.578 | 33555.578 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.01 | 35114.410 | 35114.410 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.01 | 31115.531 | 31115.531 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.01 | 34651.680 | 34651.680 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.01 | 32488.074 | 32488.074 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.01 | 18285.746 | 18285.746 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.01 | 27430.250 | 27430.250 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.01 | 23737.115 | 23737.115 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

**Compound name: 13C7-PFUdA**
Response Factor: 1
RRF SD: 7.40149e-017, Relative SD: 7.40149e-015
Response type: Internal Std ( Ref 79 ), Area * ( IS Conc. / IS Area )
Curve type: RF

| | # | Name | Type | Std. Conc | RT | Area | IS Area | Response | Conc. | %Dev | Conc. Flag | CoD | CoD Flag | x=excluded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 190806M1_8 | Standard | 12.500 | 5.34 | 34827.719 | 34827.719 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 2 | 2 | 190806M1_9 | Standard | 12.500 | 5.34 | 38335.926 | 38335.926 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 3 | 3 | 190806M1_10 | Standard | 12.500 | 5.34 | 37124.148 | 37124.148 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 4 | 4 | 190806M1_11 | Standard | 12.500 | 5.34 | 38436.027 | 38436.027 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 5 | 5 | 190806M1_12 | Standard | 12.500 | 5.34 | 34217.195 | 34217.195 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 6 | 6 | 190806M1_13 | Standard | 12.500 | 5.34 | 36977.000 | 36977.000 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 7 | 7 | 190806M1_14 | Standard | 12.500 | 5.34 | 35369.734 | 35369.734 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 8 | 8 | 190806M1_15 | Standard | 12.500 | 5.33 | 20123.201 | 20123.201 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 9 | 9 | 190806M1_16 | Standard | 12.500 | 5.33 | 27510.986 | 27510.986 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |
| 10 | 10 | 190806M1_17 | Standard | 12.500 | 5.34 | 24841.816 | 24841.816 | 12.500 | 12.5 | 0.0 | NO | | NO | bb |

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, August 06, 2019 14:37:01 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:37:10 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Compound name: PFBA**

| | # | Name | ID | Acq.Date | Acq.Time |
|---|---|---|---|---|---|
| 1 | 1 | 190806M1_7 | IPA | 06-Aug-19 | 11:33:55 |
| 2 | 2 | 190806M1_8 | ST190806M1-1 PFC CS-2 19G2301 | 06-Aug-19 | 11:44:33 |
| 3 | 3 | 190806M1_9 | ST190806M1-2 PFC CS-1 19G2302 | 06-Aug-19 | 11:55:06 |
| 4 | 4 | 190806M1_10 | ST190806M1-3 PFC CS0 19G2303 | 06-Aug-19 | 12:05:44 |
| 5 | 5 | 190806M1_11 | ST190806M1-4 PFC CS1 19G2304 | 06-Aug-19 | 12:16:22 |
| 6 | 6 | 190806M1_12 | ST190806M1-5 PFC CS2 19G2305 | 06-Aug-19 | 12:26:55 |
| 7 | 7 | 190806M1_13 | ST190806M1-6 PFC CS3 19G2306 | 06-Aug-19 | 12:37:33 |
| 8 | 8 | 190806M1_14 | ST190806M1-7 PFC CS4 19G2307 | 06-Aug-19 | 12:48:12 |
| 9 | 9 | 190806M1_15 | ST190806M1-8 PFC CS5 19G2308 | 06-Aug-19 | 12:58:44 |
| 10 | 10 | 190806M1_16 | ST190806M1-9 PFC CS6 19G2309 | 06-Aug-19 | 13:09:22 |
| 11 | 11 | 190806M1_17 | ST190806M1-10 PFC CS7 19G2310 | 06-Aug-19 | 13:19:56 |
| 12 | 12 | 190806M1_18 | IB | 06-Aug-19 | 13:30:34 |
| 13 | 13 | 190806M1_19 | ICV190806M1-1 PFC ICV 19G2311 | 06-Aug-19 | 13:41:06 |
| 14 | 14 | 190806M1_20 | IPA | 06-Aug-19 | 13:51:45 |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:33:50 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | PFBA | 1.25 | 1.25 | | | |
| 2 | PFPrS | 1.60 | 1.60 | 2.356 | 2.356 | NO |
| 3 | 3:3 FTCA | 2.06 | 2.07 | 2.026 | 2.026 | NO |
| 4 | PFPeA | 2.23 | 2.23 | | | |
| 5 | PFBS | 2.52 | 2.52 | 2.649 | 2.649 | NO |
| 6 | 4:2 FTS | 2.93 | 2.93 | 1.818 | 1.818 | NO |
| 7 | PFHxA | 3.02 | 3.02 | 15.205 | 15.205 | NO |
| 8 | PFPeS | 3.23 | 3.23 | 1.582 | 1.582 | NO |
| 9 | HFPO-DA | 3.24 | 3.24 | 2.045 | 2.045 | NO |
| 10 | 5:3 FTCA | 3.57 | 3.58 | 1.547 | 1.547 | NO |
| 11 | PFHpA | 3.65 | 3.65 | 10.272 | 10.272 | NO |
| 12 | ADONA | 3.77 | 3.77 | 3.595 | 3.595 | NO |
| 13 | L-PFHxS | 3.80 | 3.80 | 1.870 | 1.870 | NO |
| 14 | 6:2 FTS | 4.12 | 4.12 | 2.256 | 2.256 | NO |
| 15 | L-PFOA | 4.18 | 4.18 | 3.587 | 3.587 | NO |
| 16 | PFecHS | 4.19 | 4.19 | 0.849 | 0.849 | NO |
| 17 | PFHpS | 4.29 | 4.29 | 2.040 | 2.040 | NO |
| 18 | 7:3 FTCA | 4.62 | 4.61 | 1.898 | 1.898 | NO |
| 19 | PFNA | 4.62 | 4.62 | 4.274 | 4.274 | NO |
| 20 | PFOSA | 4.68 | 4.69 | 27.167 | 27.167 | NO |
| 21 | L-PFOS | 4.71 | 4.71 | 2.024 | 2.024 | NO |
| 22 | 9Cl-PF30NS | 4.93 | 4.93 | 21.632 | 21.632 | NO |
| 23 | PFDA | 5.01 | 5.01 | 5.658 | 5.658 | NO |
| 24 | 8:2 FTS | 4.98 | 4.98 | 1.087 | 1.087 | NO |
| 25 | PFNS | 5.07 | 5.07 | 1.720 | 1.720 | NO |
| 26 | L-MeFOSAA | 5.16 | 5.16 | 2.532 | 2.532 | NO |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:06 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

| | Name | Pred.RT | RT | Pred. Ratio | Ion Ratio | Ratio out? |
|---|---|---|---|---|---|---|
| 1 | L-EtFOSAA | 5.31 | 5.32 | 1.341 | 1.341 | NO |
| 2 | PFUdA | 5.34 | 5.34 | 9.845 | 9.845 | NO |
| 3 | PFDS | 5.39 | 5.39 | 1.681 | 1.681 | NO |
| 4 | 11Cl-PF30UdS | 5.55 | 5.55 | 6.293 | 6.293 | NO |
| 5 | 10:2 FTS | 5.61 | 5.61 | 1.707 | 1.707 | NO |
| 6 | PFDoA | 5.62 | 5.62 | 8.782 | 8.782 | NO |
| 7 | N-MeFOSA | 5.72 | 5.72 | 1.476 | 1.476 | NO |
| 8 | PFTrDA | 5.88 | 5.88 | 22.557 | 22.557 | NO |
| 9 | PFDoS | 5.90 | 5.90 | 1.863 | 1.863 | NO |
| 10 | PFTeDA | 6.10 | 6.10 | 14.581 | 14.581 | NO |
| 11 | N-EtFOSA | 6.14 | 6.14 | 1.605 | 1.605 | NO |
| 12 | PFHxDA | 6.44 | 6.44 | 18.954 | 18.954 | NO |
| 13 | PFODA | 6.68 | 6.68 | | | |
| 14 | N-MeFOSE | 6.32 | 6.32 | | | |
| 15 | N-EtFOSE | 6.47 | 6.47 | | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:32:52 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 47 | 0.9998 | NO | |
| 2 | 2 | PFPrS | 49 | 0.9992 | NO | |
| 3 | 3 | 3:3 FTCA | 48 | 0.9997 | NO | |
| 4 | 4 | PFPeA | 48 | 1.0000 | NO | |
| 5 | 5 | PFBS | 49 | 0.9997 | NO | |
| 6 | 6 | 4:2 FTS | 51 | 0.9999 | NO | |
| 7 | 7 | PFHxA | 52 | 0.9991 | NO | |
| 8 | 8 | PFPeS | 49 | 0.9994 | NO | |
| 9 | 9 | HFPO-DA | 50 | 0.9976 | NO | |
| 10 | 10 | 5:3 FTCA | 53 | 0.9999 | NO | |
| 11 | 11 | PFHpA | 53 | 0.9997 | NO | |
| 12 | 12 | ADONA | 53 | 0.9975 | NO | |
| 13 | 13 | L-PFHxS | 54 | 0.9997 | NO | |
| 14 | 15 | 6:2 FTS | 55 | 0.9989 | NO | |
| 15 | 16 | L-PFOA | 58 | 0.9999 | NO | |
| 16 | 18 | PFecHS | 58 | 0.9996 | NO | |
| 17 | 19 | PFHpS | 59 | 0.9998 | NO | |
| 18 | 20 | 7:3 FTCA | 56 | 0.9994 | NO | |
| 19 | 21 | PFNA | 56 | 0.9999 | NO | |
| 20 | 22 | PFOSA | 57 | 0.9990 | NO | |
| 21 | 23 | L-PFOS | 59 | 0.9991 | NO | |
| 22 | 25 | 9Cl-PF30NS | 59 | 0.9998 | NO | |
| 23 | 26 | PFDA | 60 | 0.9985 | NO | |
| 24 | 27 | 8:2 FTS | 61 | 0.9997 | NO | |
| 25 | 28 | PFNS | 59 | 0.9996 | NO | |
| 26 | 29 | L-MeFOSAA | 62 | 0.9992 | NO | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:33:06 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 1 | 31 | L-EtFOSAA | 64 | 0.9995 | NO | |
| 2 | 33 | PFUdA | 63 | 0.9994 | NO | |
| 3 | 34 | PFDS | 61 | 0.9985 | NO | |
| 4 | 35 | 11Cl-PF3OUdS | 65 | 0.9996 | NO | |
| 5 | 36 | 10:2 FTS | 61 | 0.9995 | NO | |
| 6 | 37 | PFDoA | 65 | 0.9999 | NO | |
| 7 | 38 | N-MeFOSA | 66 | 0.9997 | NO | |
| 8 | 39 | PFTrDA | 65 | 0.9998 | NO | |
| 9 | 40 | PFDoS | 67 | 0.9999 | NO | |
| 10 | 41 | PFTeDA | 67 | 0.9979 | NO | |
| 11 | 42 | N-EtFOSA | 68 | 0.9999 | NO | |
| 12 | 43 | PFHxDA | 69 | 1.0000 | NO | |
| 13 | 44 | PFODA | 69 | 0.9963 | NO | |
| 14 | 45 | N-MeFOSE | 70 | 0.9999 | NO | |
| 15 | 46 | N-EtFOSE | 71 | 0.9995 | NO | |
| 16 | 47 | 13C3-PFBA | 72 | | NO | 1.893 |
| 17 | 48 | 13C3-PFPeA | 73 | | NO | 2.899 |
| 18 | 49 | 13C3-PFBS | 74 | | NO | 2.975 |
| 19 | 50 | 13C3-HFPO-DA | 73 | | NO | 6.570 |
| 20 | 51 | 13C2-4:2 FTS | 74 | | NO | 9.114 |
| 21 | 52 | 13C2-PFHxA | 73 | | NO | 2.423 |
| 22 | 53 | 13C4-PFHpA | 73 | | NO | 3.796 |
| 23 | 54 | 13C3-PFHxS | 74 | | NO | 4.308 |
| 24 | 55 | 13C2-6:2 FTS | 77 | | NO | 4.688 |
| 25 | 56 | 13C5-PFNA | 76 | | NO | 1.835 |
| 26 | 57 | 13C8-PFOSA | 79 | | NO | 4.197 |
| 27 | 58 | 13C2-PFOA | 75 | | NO | 2.748 |
| 28 | 59 | 13C8-PFOS | 77 | | NO | 3.774 |
| 29 | 60 | 13C2-PFDA | 78 | | NO | 3.869 |
| 30 | 61 | 13C2-8:2 FTS | 77 | | NO | 4.510 |
| 31 | 62 | d3-N-MeFOSAA | 79 | | NO | 5.712 |
| 32 | 63 | 13C2-PFUdA | 79 | | NO | 4.350 |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:33:06 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

| | # | Name | IS# | CoD | CoD Flag | %RSD |
|---|---|---|---|---|---|---|
| 33 | 64 | d5-N-EtFOSAA | 79 | | NO | 3.571 |
| 34 | 65 | 13C2-PFDoA | 78 | | NO | 6.455 |
| 35 | 66 | d3-N-MeFOSA | 79 | | NO | 12.241 |
| 36 | 67 | 13C2-PFTeDA | 79 | | NO | 4.022 |
| 37 | 68 | d5-N-ETFOSA | 79 | | NO | 4.805 |
| 38 | 69 | 13C2-PFHxDA | 79 | | NO | 6.910 |
| 39 | 70 | d7-N-MeFOSE | 79 | | NO | 14.385 |
| 40 | 71 | d9-N-EtFOSE | 79 | | NO | 13.378 |
| 41 | 72 | 13C4-PFBA | 72 | | NO | 0.000 |
| 42 | 73 | 13C5-PFHxA | 73 | | NO | 0.000 |
| 43 | 74 | 18O2-PFHxS | 74 | | NO | 0.000 |
| 44 | 75 | 13C8-PFOA | 75 | | NO | 0.000 |
| 45 | 76 | 13C9-PFNA | 76 | | NO | 0.000 |
| 46 | 77 | 13C4-PFOS | 77 | | NO | 0.000 |
| 47 | 78 | 13C6-PFDA | 78 | | NO | 0.000 |
| 48 | 79 | 13C7-PFUdA | 79 | | NO | 0.000 |

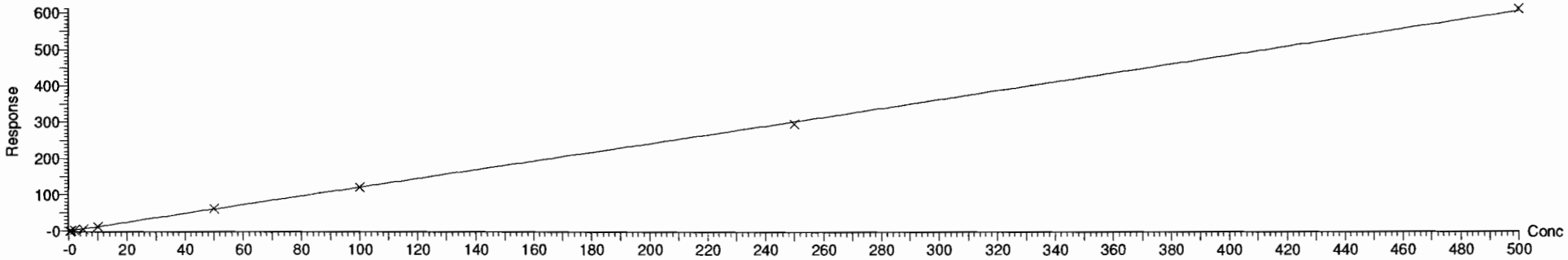
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

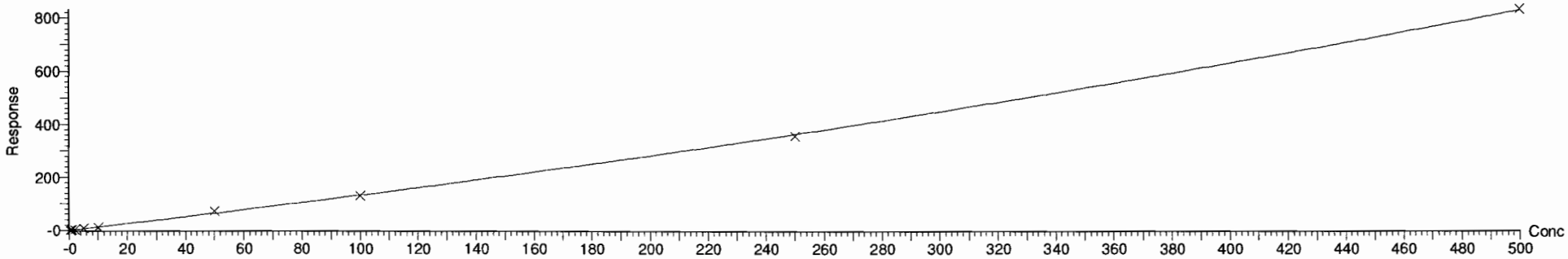
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

Compound name: PFBA
Correlation coefficient: r = 0.999886, r^2 = 0.999771
Calibration curve: 1.2092 * x + -0.120655
Response type: Internal Std ( Ref 47 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



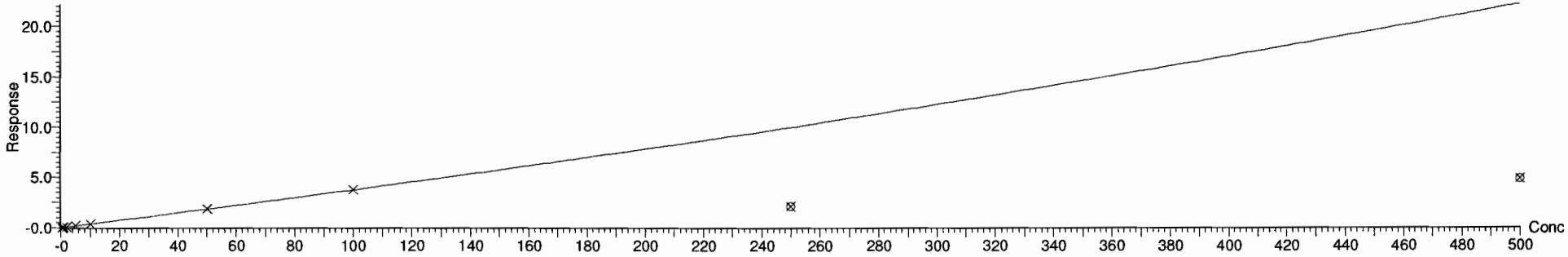

Compound name: PFPrS
Coefficient of Determination: R^2 = 0.999170
Calibration curve: 0.000807085 * x^2 + 1.25465 * x + -0.0763589
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



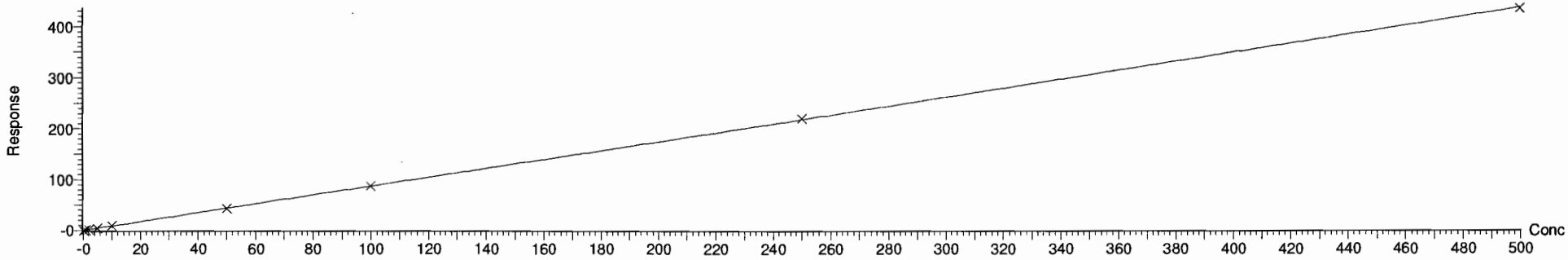
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: 3:3 FTCA
Coefficient of Determination: R^2 = 0.999732
Calibration curve: 1.74836e-005 * x^2 + 0.035547 * x + -0.00385143
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



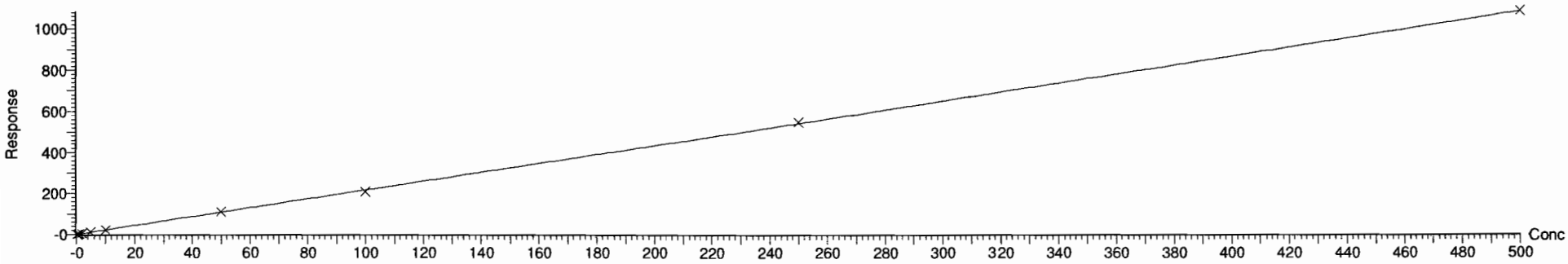

Compound name: PFPeA
Correlation coefficient: r = 0.999980, r^2 = 0.999959
Calibration curve: 0.872081 * x + 0.0116944
Response type: Internal Std ( Ref 48 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



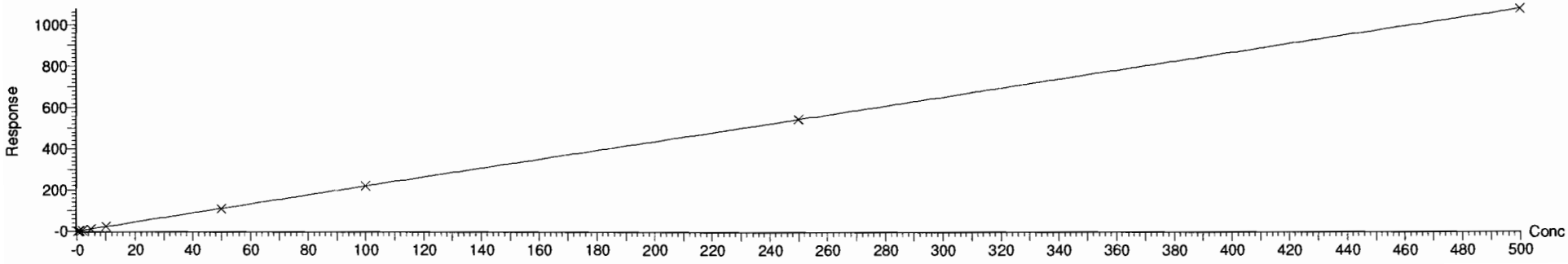
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFBS
Correlation coefficient: r = 0.999826, r^2 = 0.999652
Calibration curve: 2.16694 * x + -0.078763
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



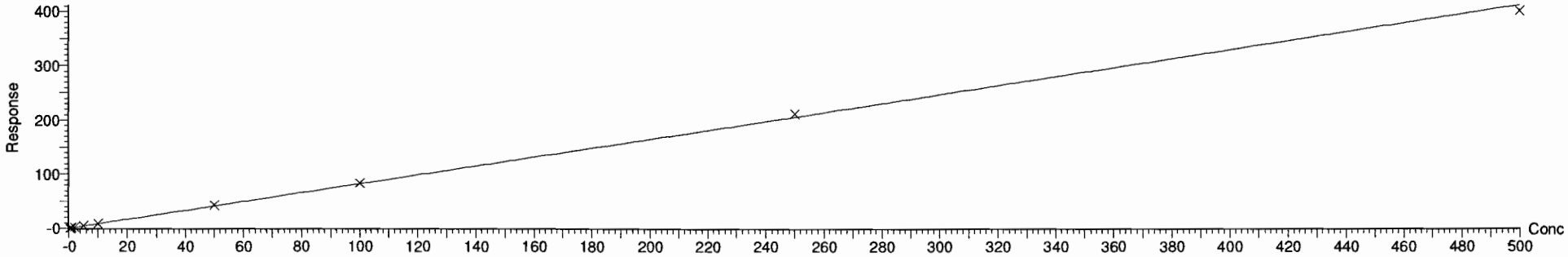

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.999903
Calibration curve: -0.000101873 * x^2 + 2.20173 * x + -0.0579375
Response type: Internal Std ( Ref 51 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



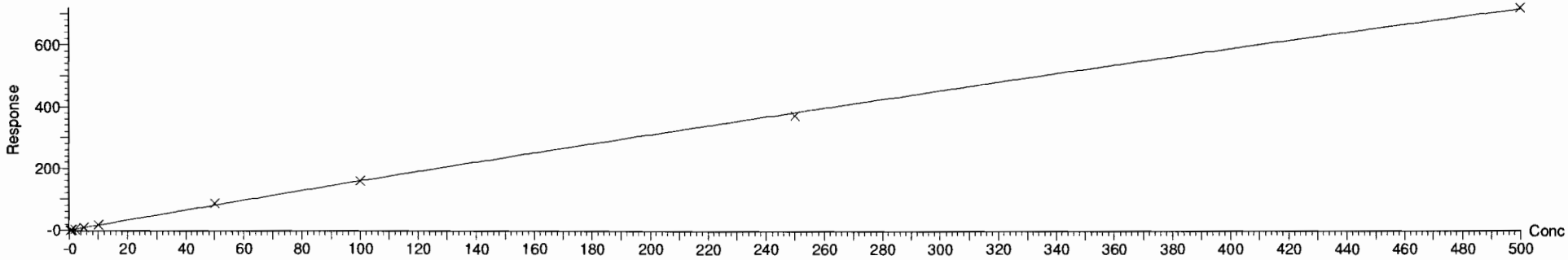
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFHxA
Correlation coefficient: r = 0.999560, r^2 = 0.999120
Calibration curve: 0.82273 * x + 0.0237369
Response type: Internal Std ( Ref 52 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



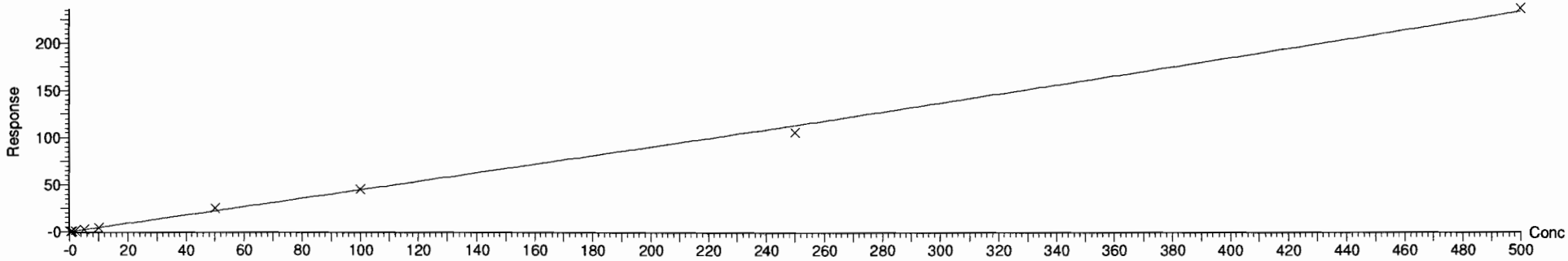

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.999385
Calibration curve: -0.000416966 * x^2 + 1.63567 * x + 0.0544145
Response type: Internal Std ( Ref 49 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



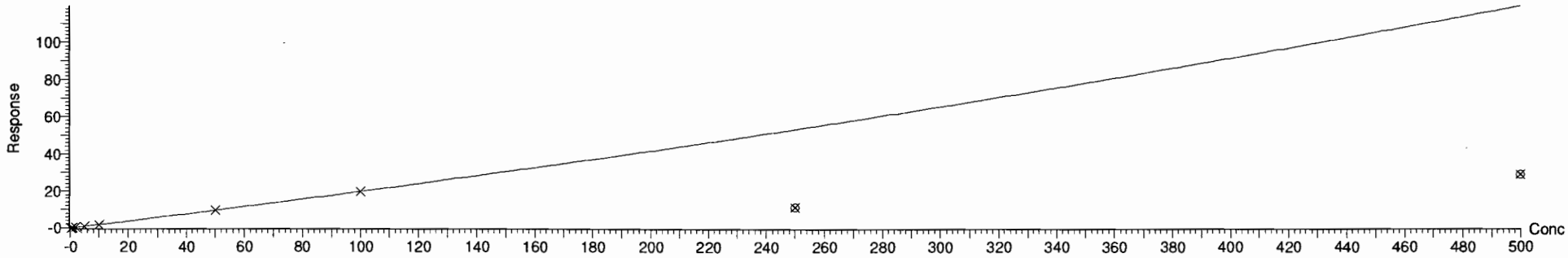
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.997635
Calibration curve: 4.83197e-005 * x^2 + 0.442207 * x + 0.00217196
Response type: Internal Std ( Ref 50 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: 5:3 FTCA
Coefficient of Determination: R^2 = 0.999871
Calibration curve: 0.000101152 * x^2 + 0.188385 * x + -0.00872573
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

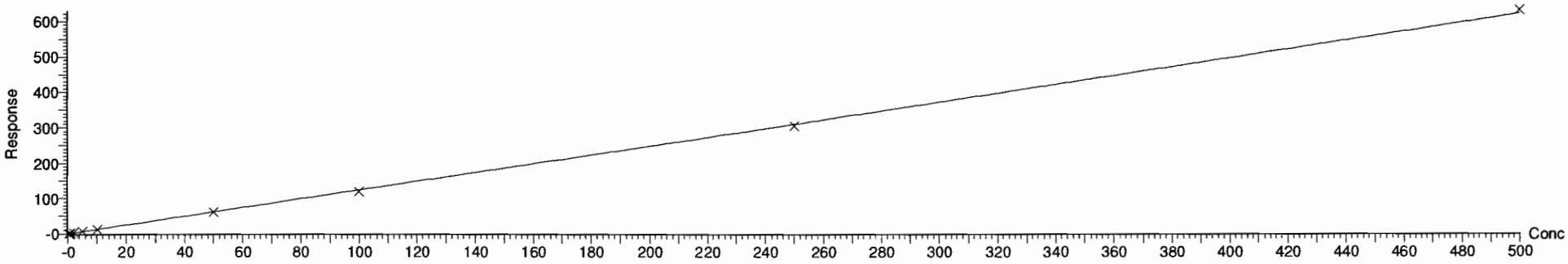


Vista Analytical Laboratory Q1

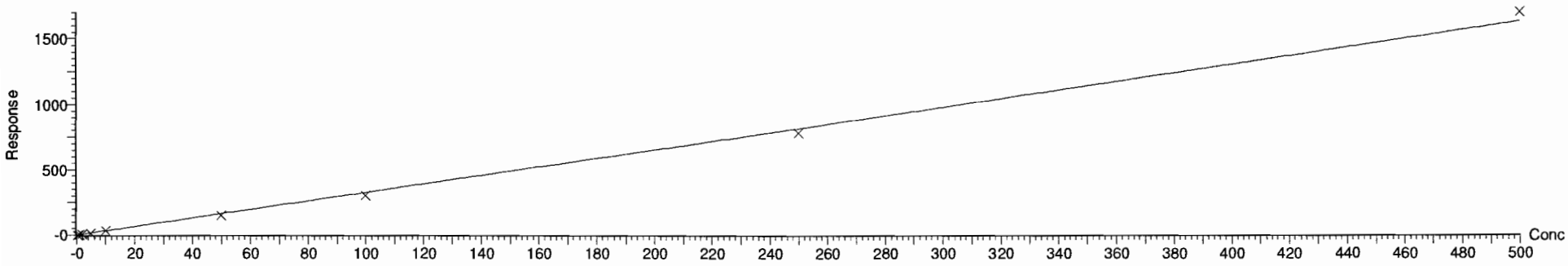
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFHpA
Correlation coefficient: r = 0.999835, r^2 = 0.999670
Calibration curve: 1.24009 * x + -0.00204089
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



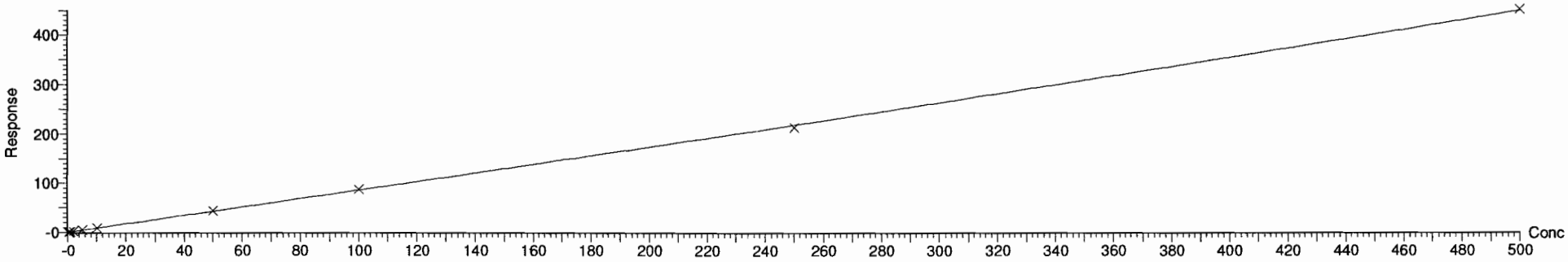

Compound name: ADONA
Correlation coefficient: r = 0.998758, r^2 = 0.997518
Calibration curve: 3.26249 * x + -0.229496
Response type: Internal Std ( Ref 53 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



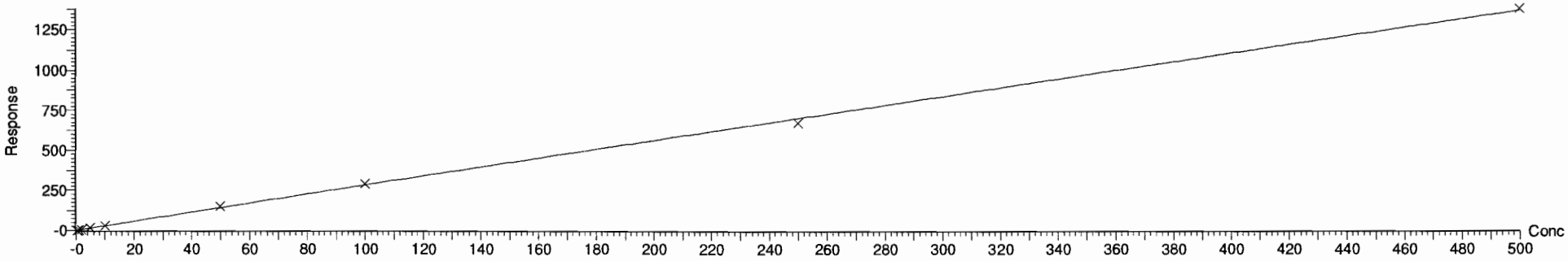
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999676
Calibration curve: 9.81315e-005 * x^2 + 0.847976 * x + 0.00454153
Response type: Internal Std ( Ref 54 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



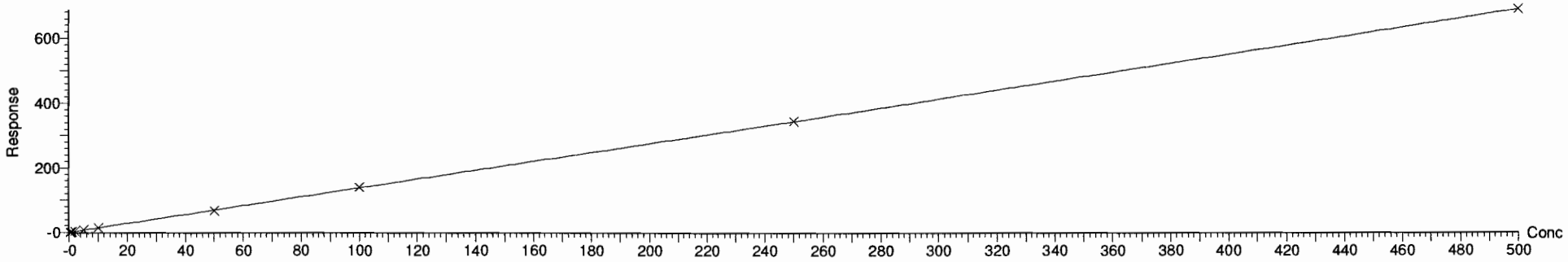

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.998904
Calibration curve: -0.000268456 * x^2 + 2.87082 * x + 0.00193885
Response type: Internal Std ( Ref 55 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



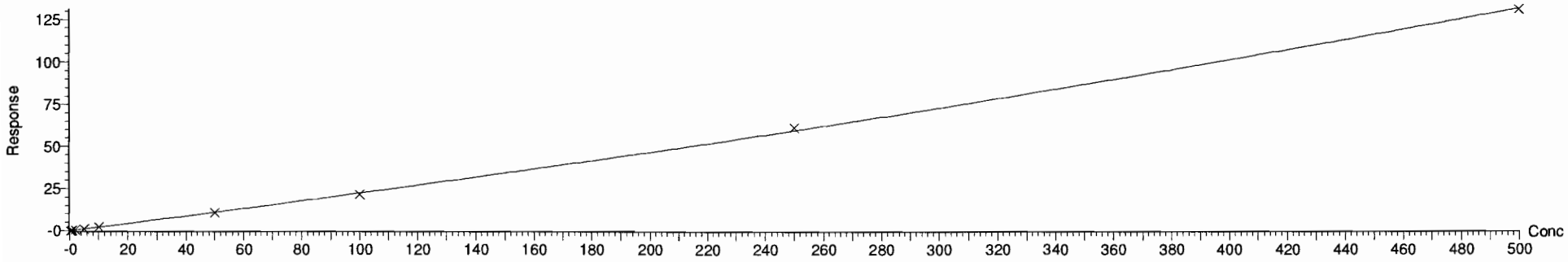
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: L-PFOA
Correlation coefficient: r = 0.999951, r^2 = 0.999901
Calibration curve: 1.37472 * x + 0.0371454
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



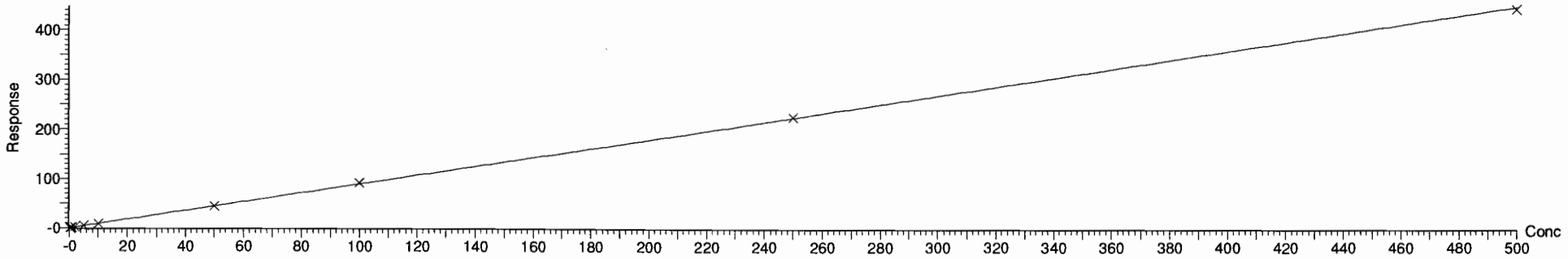

Compound name: PFecHS
Coefficient of Determination: R^2 = 0.999635
Calibration curve: 9.82211e-005 * x^2 + 0.213681 * x + -0.0186299
Response type: Internal Std ( Ref 58 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



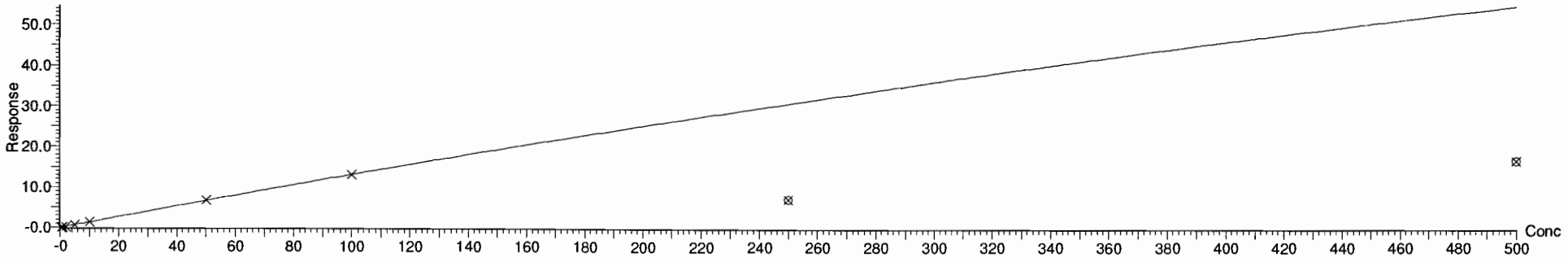
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFHpS
Correlation coefficient: r = 0.999911, r^2 = 0.999823
Calibration curve: 0.896241 * x + -0.0576903
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



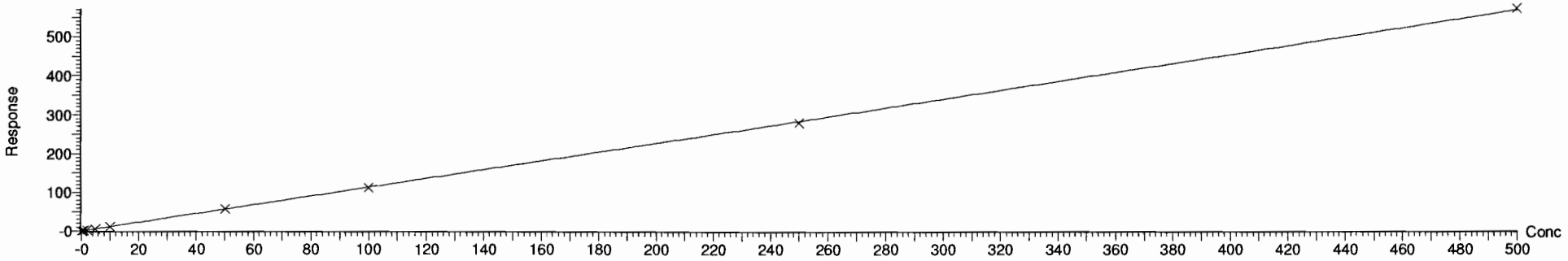

Compound name: 7:3 FTCA
Coefficient of Determination: R^2 = 0.999374
Calibration curve: -5.63725e-005 * x^2 + 0.137379 * x + -0.0155837
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



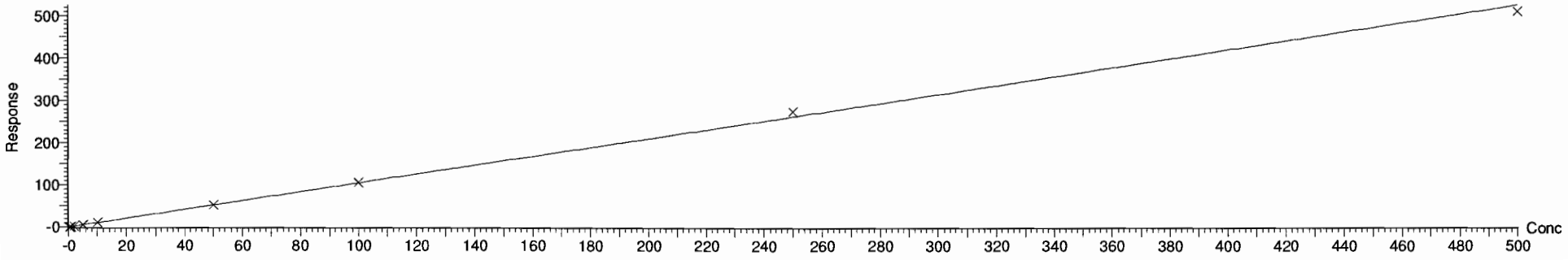
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFNA
Correlation coefficient: r = 0.999943, r^2 = 0.999886
Calibration curve: 1.13493 * x + 0.0182549
Response type: Internal Std ( Ref 56 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



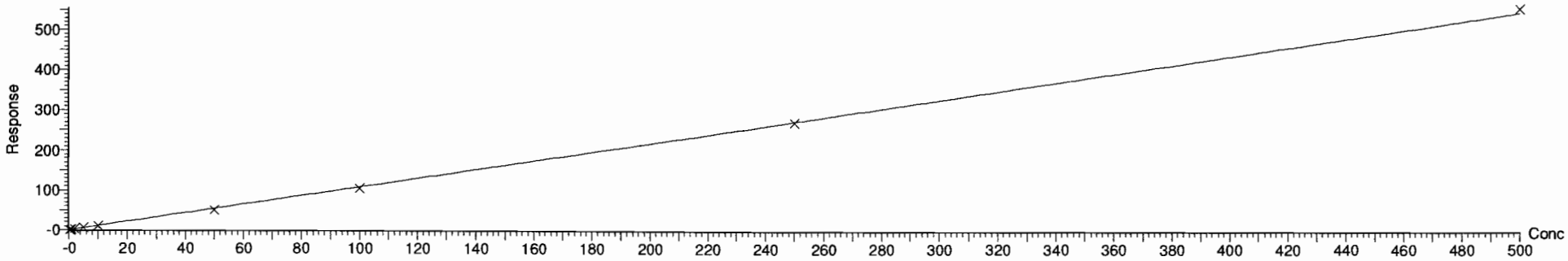

Compound name: PFOSA
Correlation coefficient: r = 0.999497, r^2 = 0.998995
Calibration curve: 1.04929 * x + 0.0290961
Response type: Internal Std ( Ref 57 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



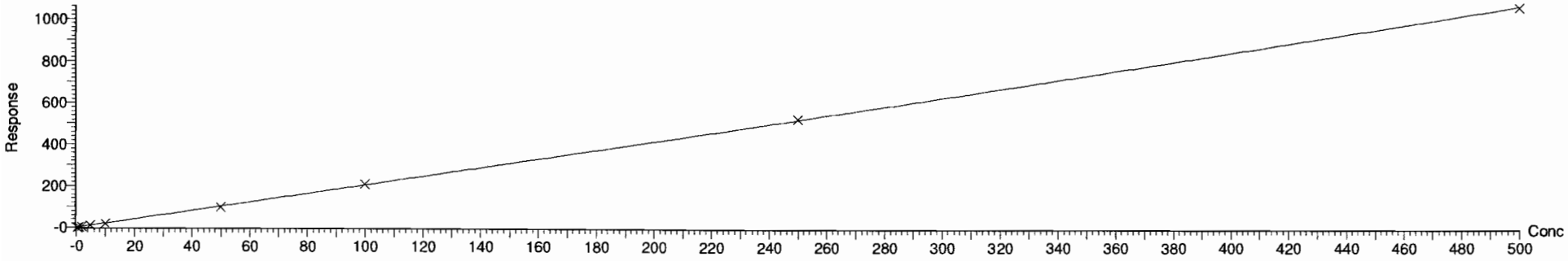
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: L-PFOS
Correlation coefficient: r = 0.999571, r^2 = 0.999142
Calibration curve: 1.08808 * x + -0.0536139
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



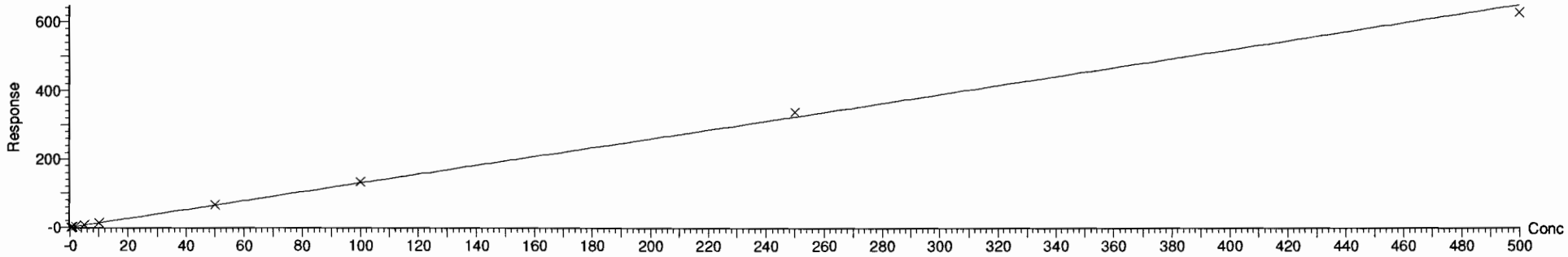

Compound name: 9Cl-PF30NS
Coefficient of Determination: R^2 = 0.999806
Calibration curve: 0.000159418 * x^2 + 2.04652 * x + -0.0274144
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



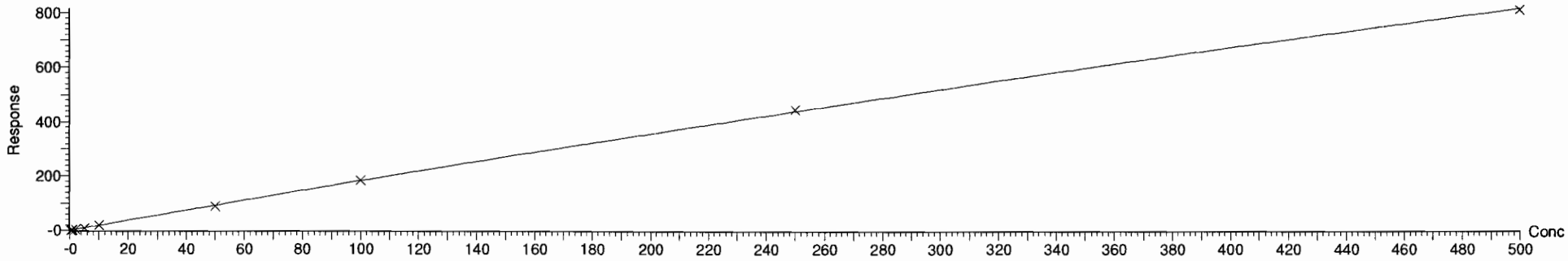
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFDA
Correlation coefficient: r = 0.999252, r^2 = 0.998504
Calibration curve: 1.29683 * x + 0.0860556
Response type: Internal Std ( Ref 60 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



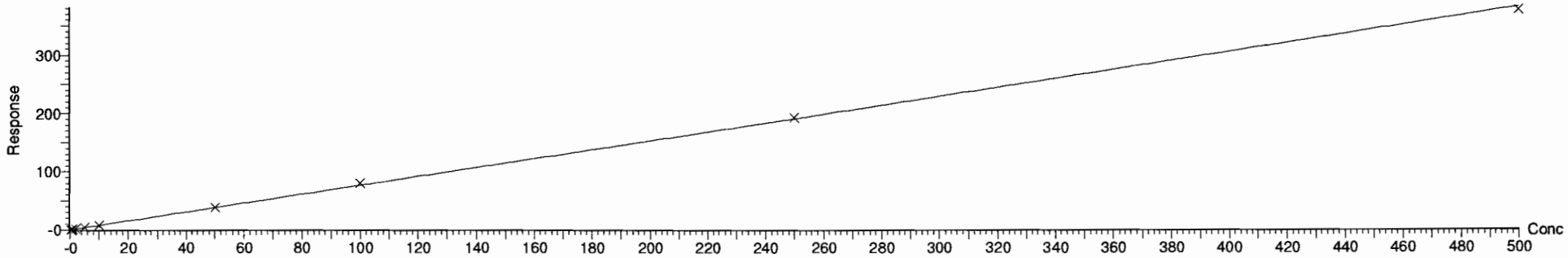

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.999701
Calibration curve: -0.000516639 * x^2 + 1.8894 * x + -0.0301738
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



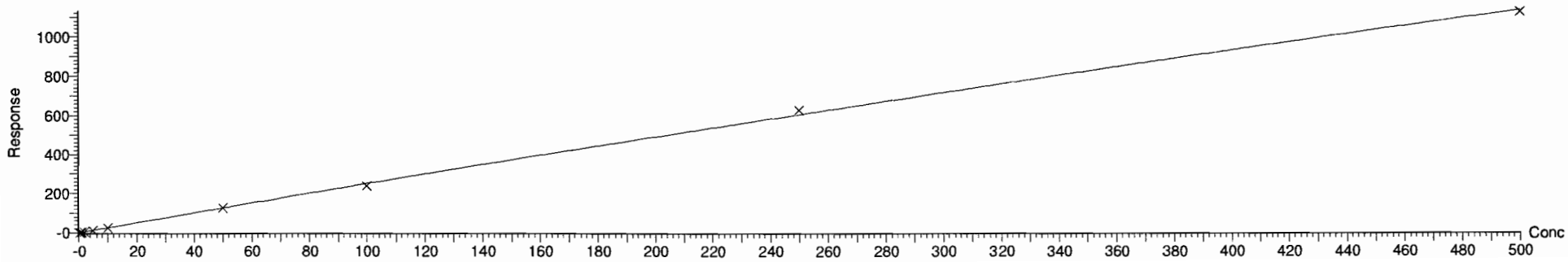
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:34:56 Pacific Daylight Time

Compound name: PFNS
Correlation coefficient: r = 0.999793, r^2 = 0.999587
Calibration curve: 0.762501 * x + -0.00874834
Response type: Internal Std ( Ref 59 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None




Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999151
Calibration curve: -0.000615913 * x^2 + 2.57343 * x + -0.14301
Response type: Internal Std ( Ref 62 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



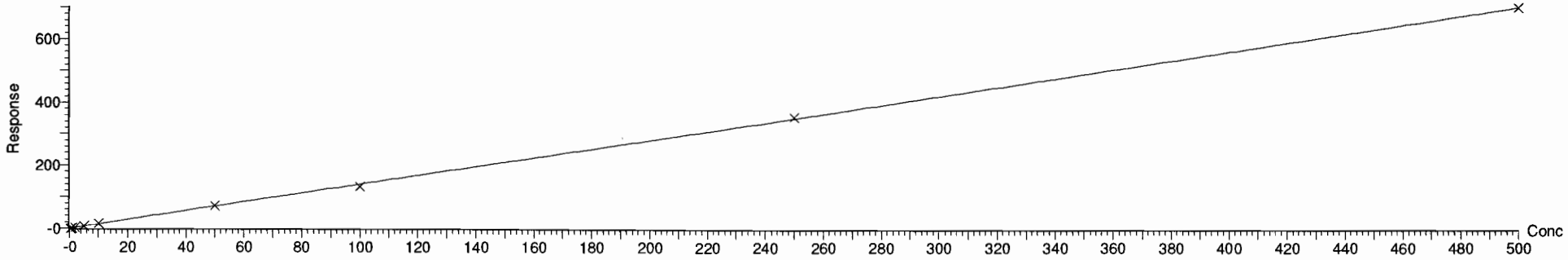
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

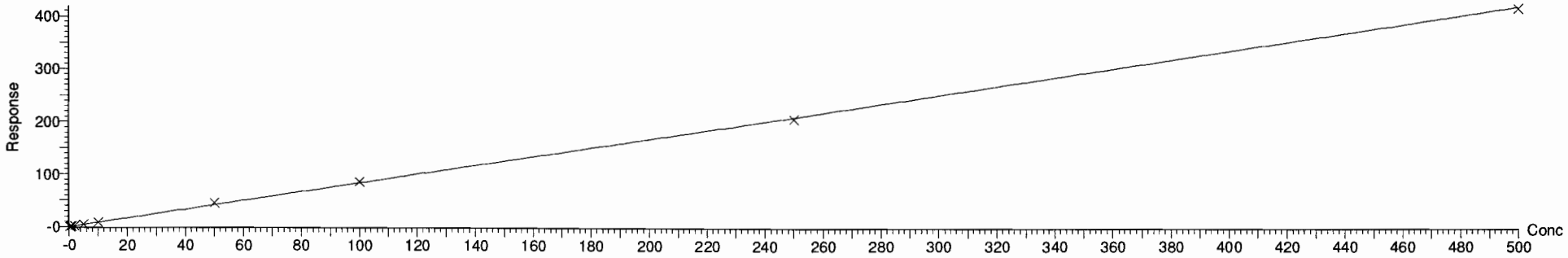
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

Compound name: L-EtFOSAA
Correlation coefficient: r = 0.999773, r^2 = 0.999545
Calibration curve: 1.40239 * x + -0.0570212
Response type: Internal Std ( Ref 64 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



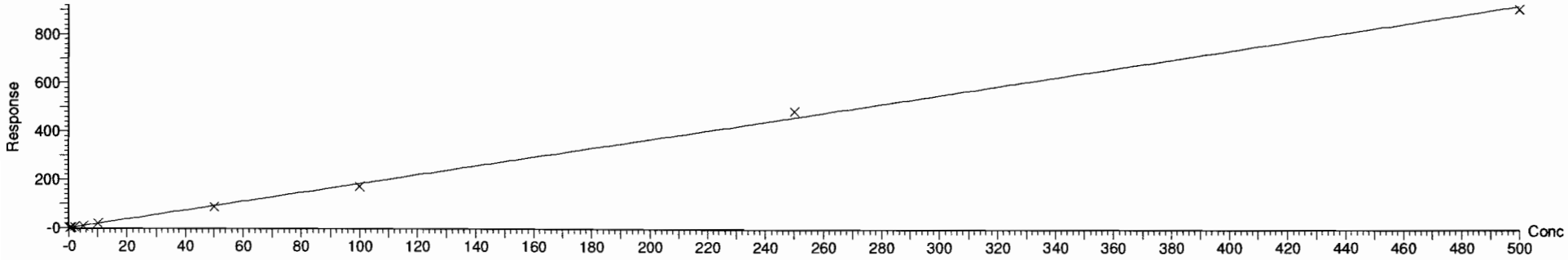

Compound name: PFUdA
Correlation coefficient: r = 0.999712, r^2 = 0.999423
Calibration curve: 0.838468 * x + 0.0719088
Response type: Internal Std ( Ref 63 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



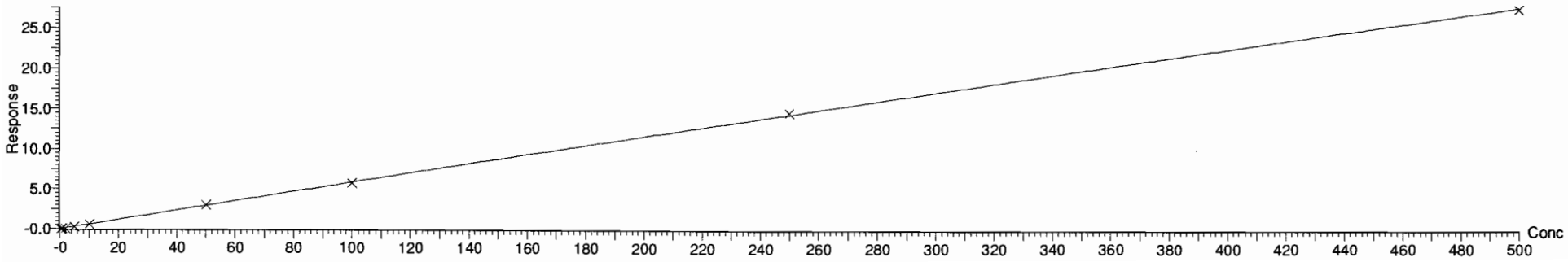
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: PFDS
Correlation coefficient: r = 0.999226, r^2 = 0.998454
Calibration curve: 1.84062 * x + -0.142178
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



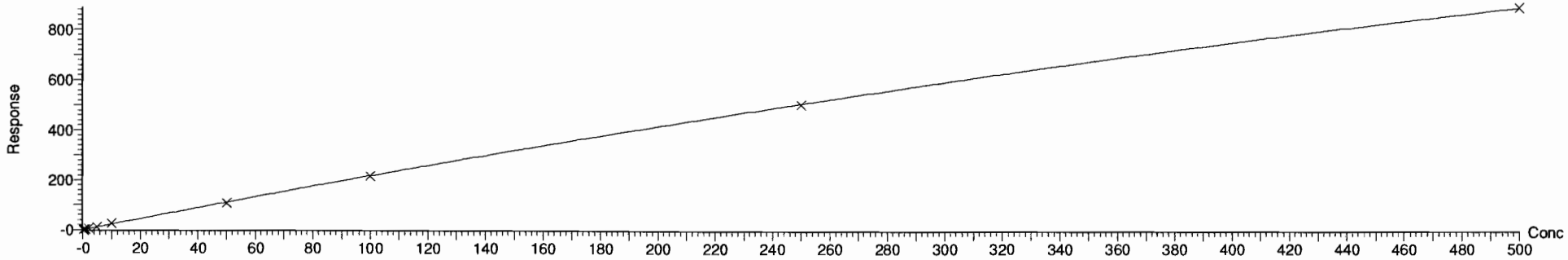

Compound name: 11Cl-PF30UdS
Coefficient of Determination: R^2 = 0.999594
Calibration curve: -9.40543e-006 * x^2 + 0.0598673 * x + -0.00366546
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



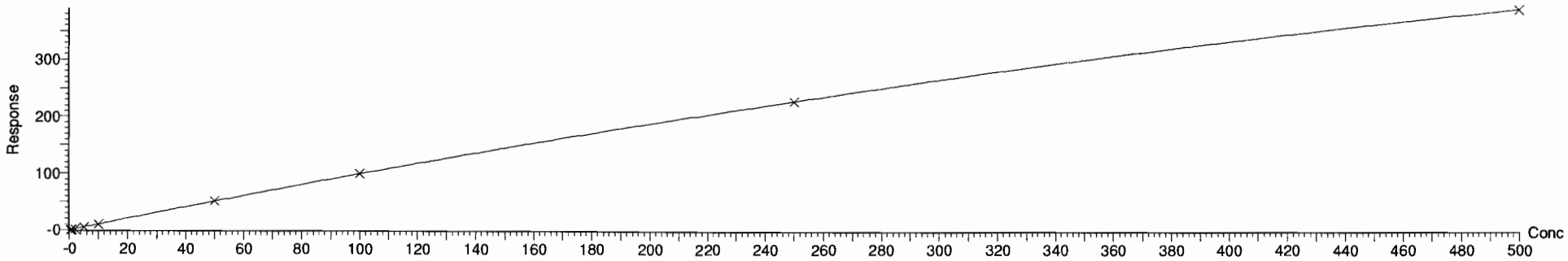
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: 10:2 FTS
Coefficient of Determination: R^2 = 0.999491
Calibration curve: -0.00101646 * x^2 + 2.28343 * x
Response type: Internal Std ( Ref 61 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



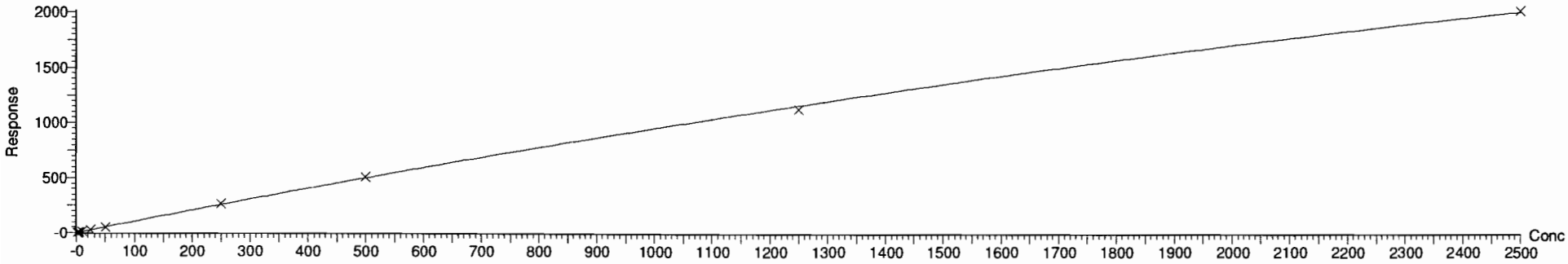

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999935
Calibration curve: -0.000539619 * x^2 + 1.0475 * x + -0.0159655
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



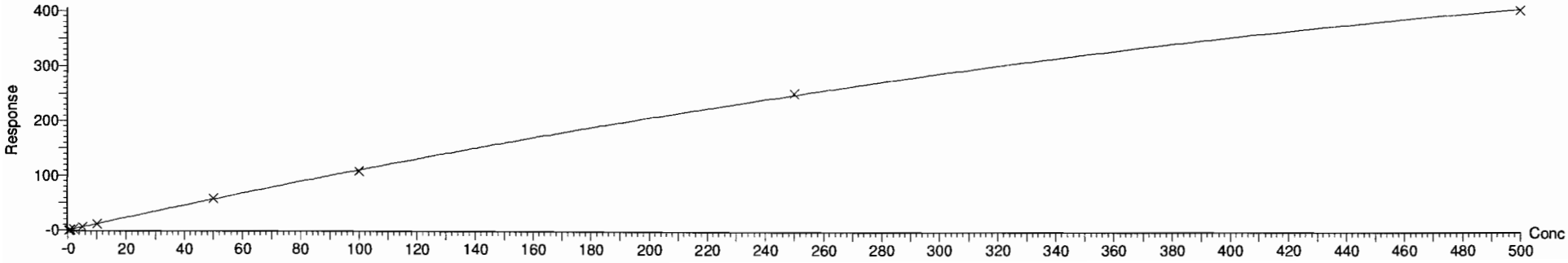
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999697
Calibration curve: -0.000100722 * x^2 + 1.05366 * x + 0.0682911
Response type: Internal Std ( Ref 66 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



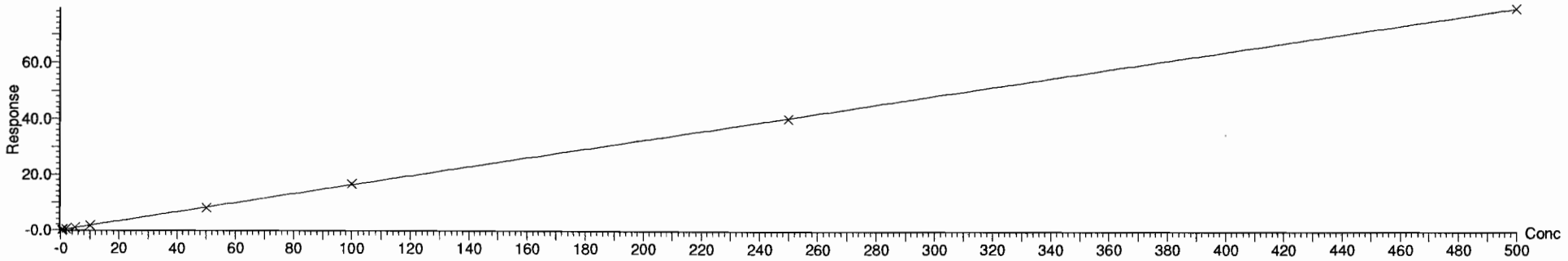

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999802
Calibration curve: -0.000741404 * x^2 + 1.18062 * x + -0.0214257
Response type: Internal Std ( Ref 65 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



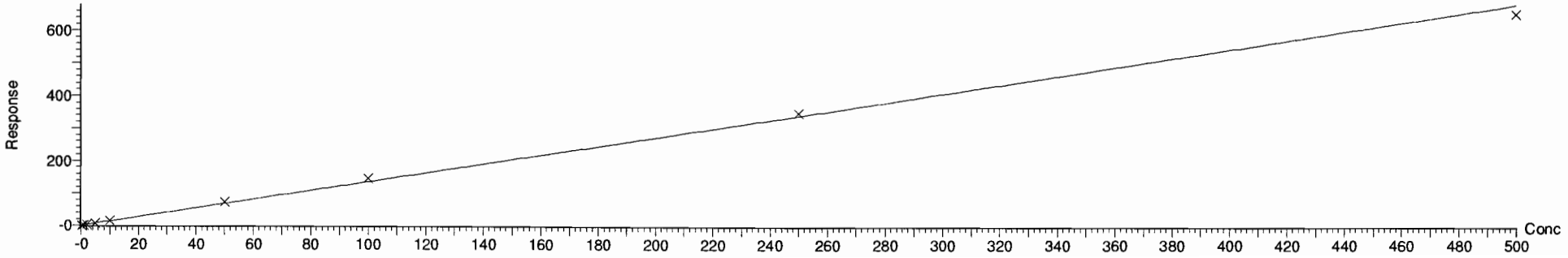
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: PFDoS
Coefficient of Determination: R^2 = 0.999854
Calibration curve: -1.2044e-005 * x^2 + 0.164741 * x + 0.00109458
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



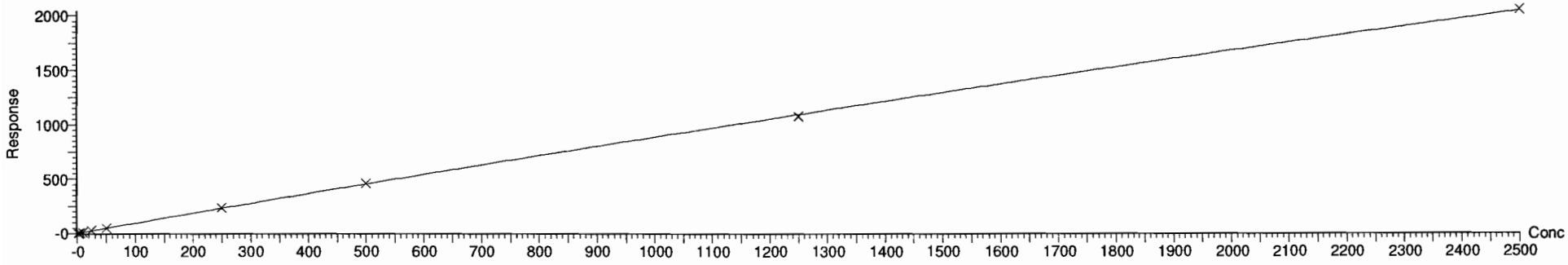

Compound name: PFTeDA
Correlation coefficient: r = 0.998950, r^2 = 0.997902
Calibration curve: 1.35837 * x + 0.150475
Response type: Internal Std ( Ref 67 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



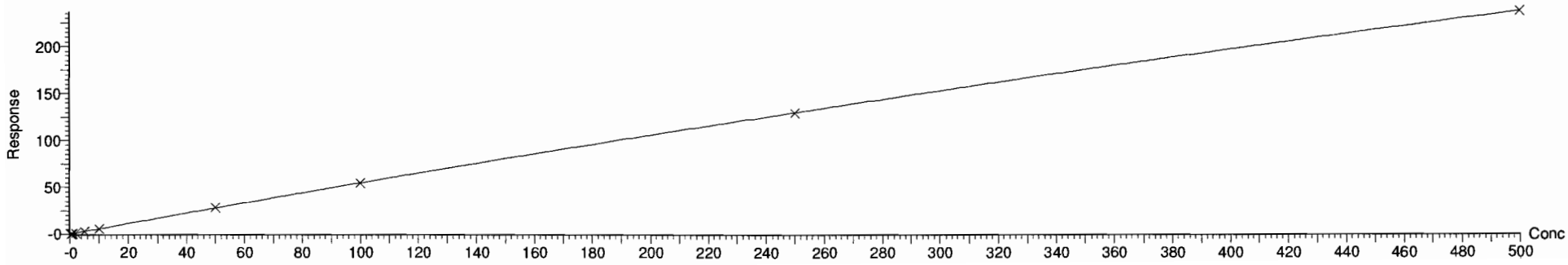
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999857
Calibration curve: -4.69914e-005 * x^2 + 0.933106 * x + -0.02532
Response type: Internal Std ( Ref 68 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



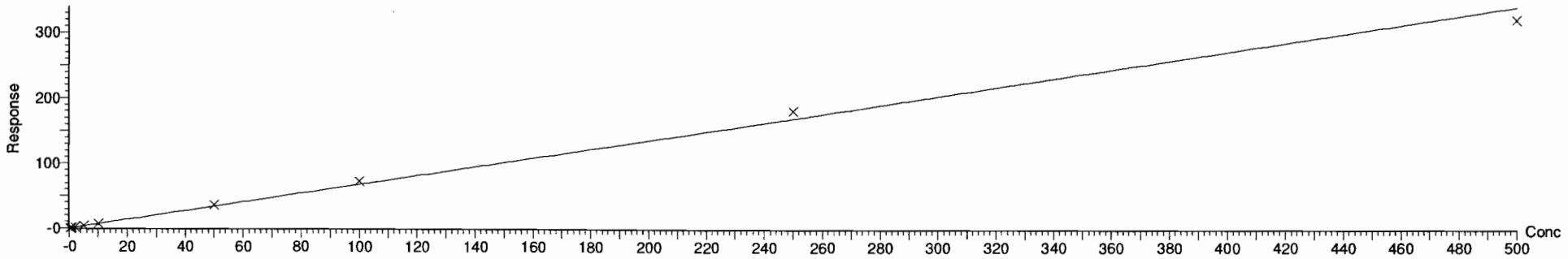

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999971
Calibration curve: -0.000178702 * x^2 + 0.562995 * x + 0.0353603
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



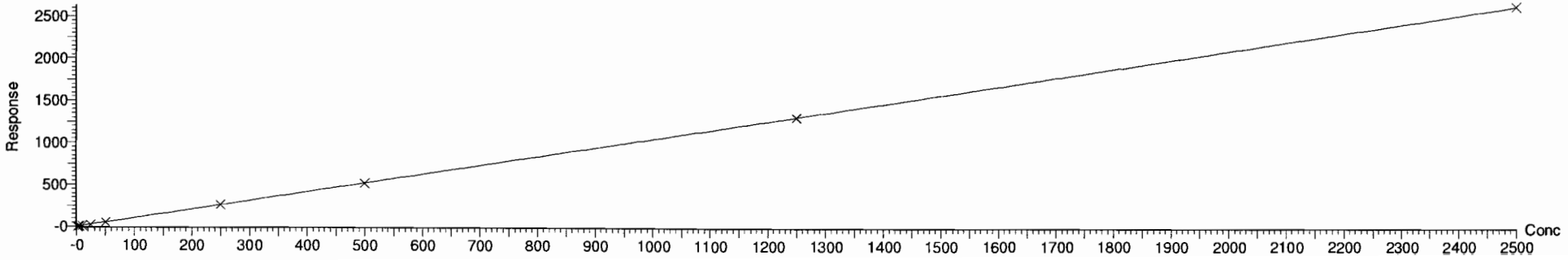
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: PFODA
Correlation coefficient: r = 0.998159, r^2 = 0.996321
Calibration curve: 0.678689 * x + 0.027474
Response type: Internal Std ( Ref 69 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



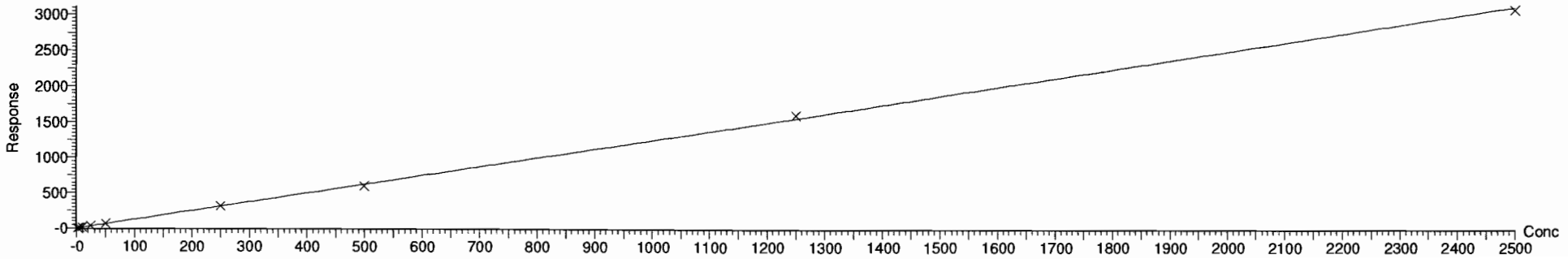

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999963, r^2 = 0.999925
Calibration curve: 1.04737 * x + -0.125627
Response type: Internal Std ( Ref 70 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:35:10 Pacific Daylight Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.999746, r^2 = 0.999493
Calibration curve: 1.24629 * x + 0.145155
Response type: Internal Std ( Ref 71 ), Area * ( IS Conc. / IS Area )
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



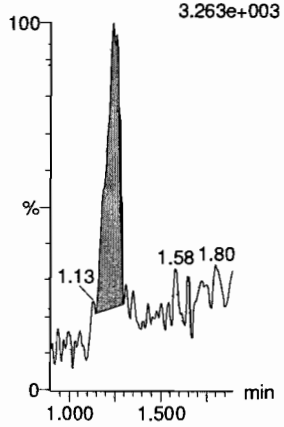
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

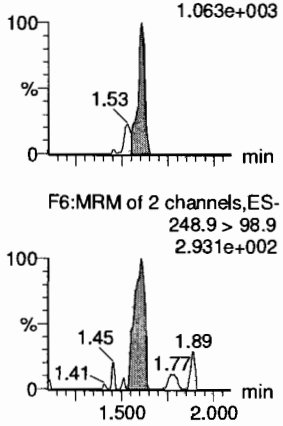
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619.mdb 06 Aug 2019 13:58:16**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

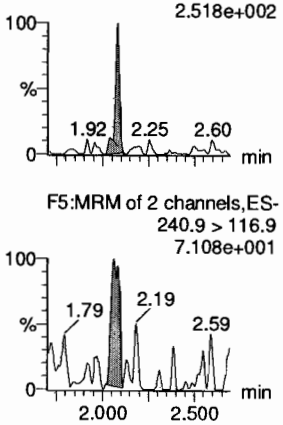
**PFBA**



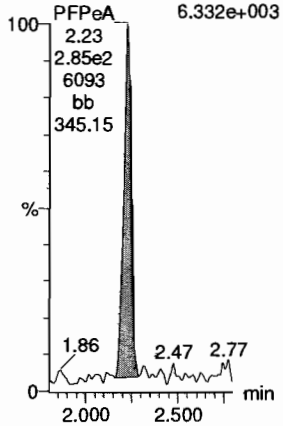

**PFPrS**



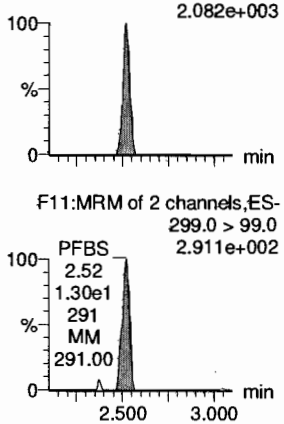

**3:3 FTCA**



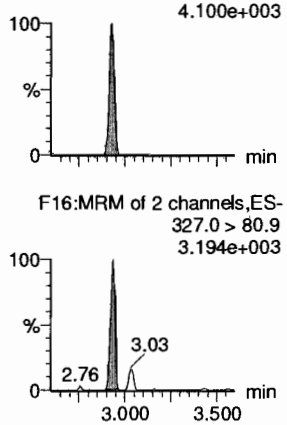

**PFPeA**



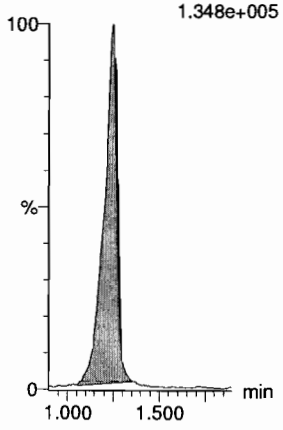

**PFBS**



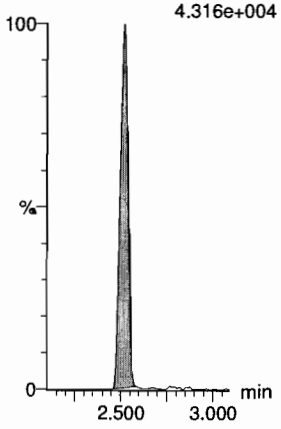

**4:2 FTS**



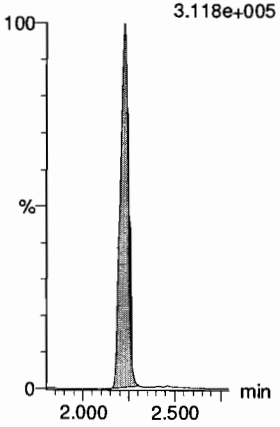

**13C3-PFBA**




**13C3-PFBS**




**13C3-PFPeA**

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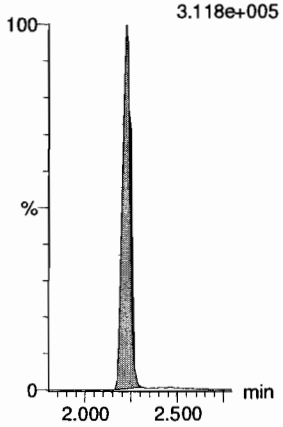


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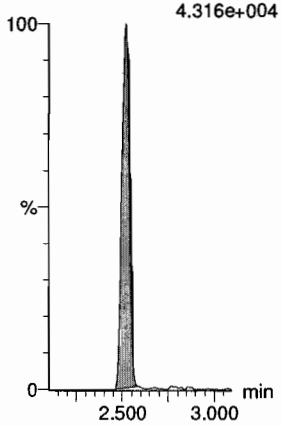
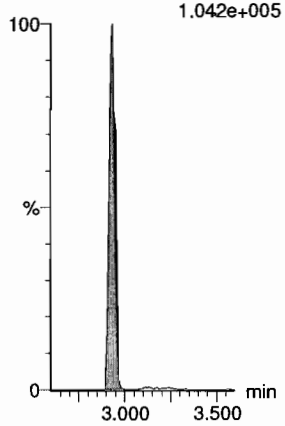



**13C2-4:2 FTS**

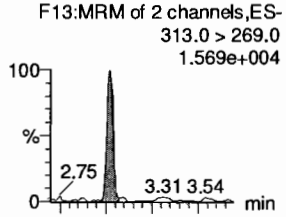


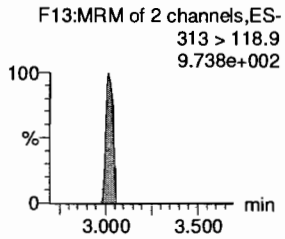
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

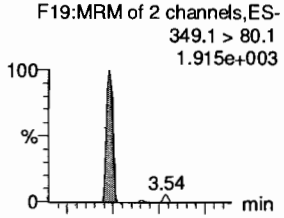
**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

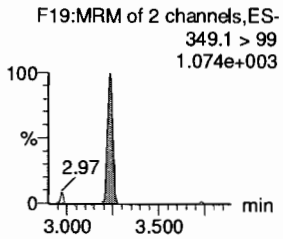
**PFHxA**



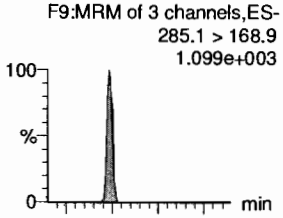



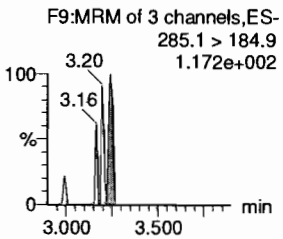

**PFPeS**



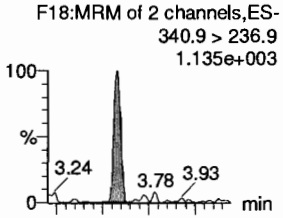



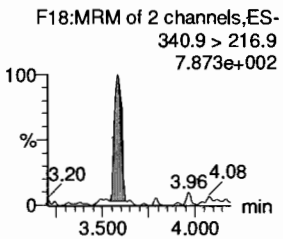

**HFPO-DA**




**5:3 FTCA**

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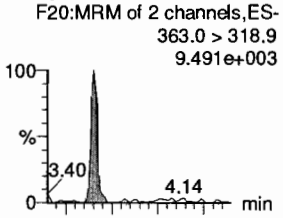


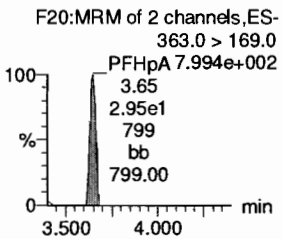


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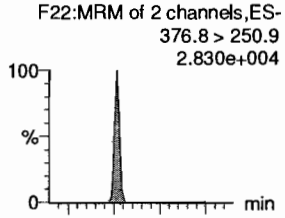
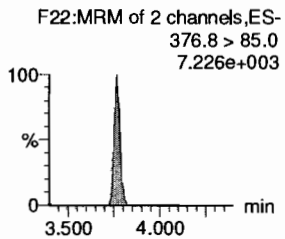
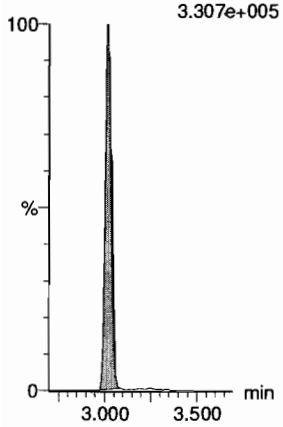
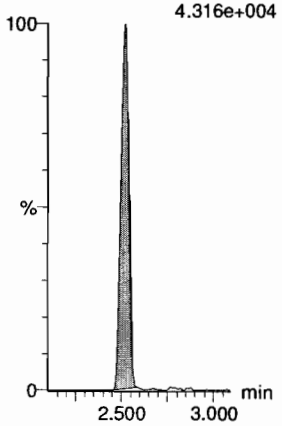


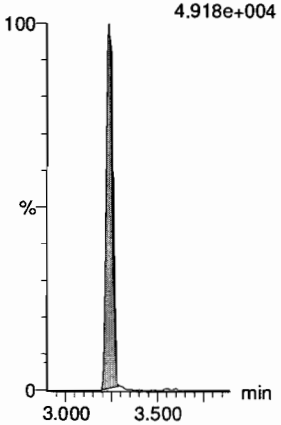

**13C2-PFHxA**




**13C3-PFBS**




**13C3-HFPO-DA**

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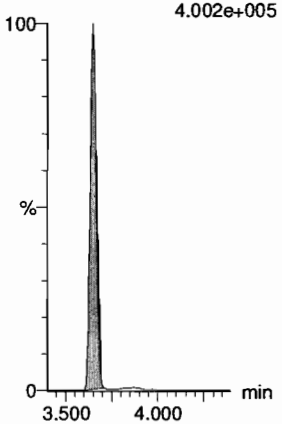


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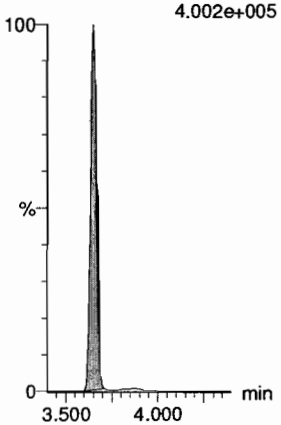


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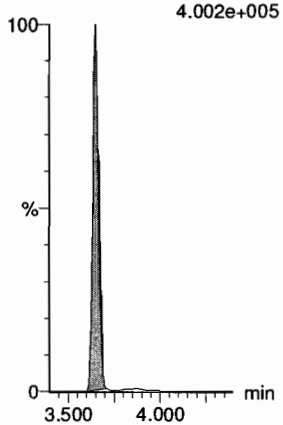

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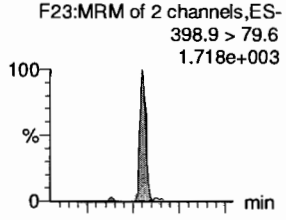
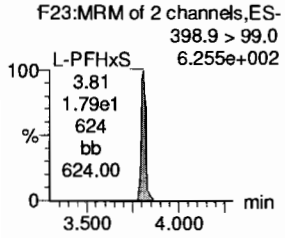
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

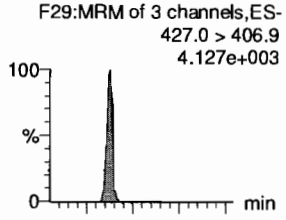
**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

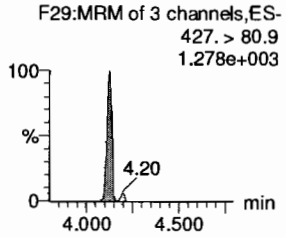
**L-PFHxS**




**6:2 FTS**

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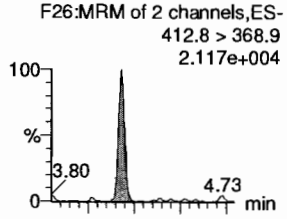


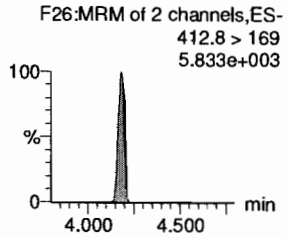


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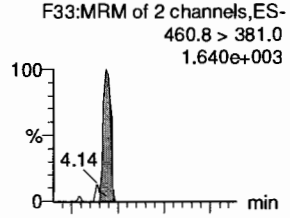
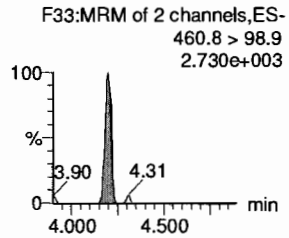
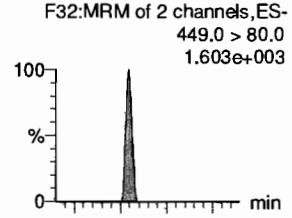
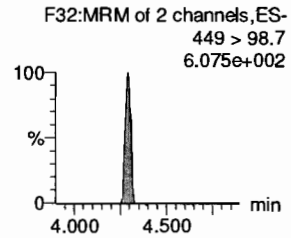


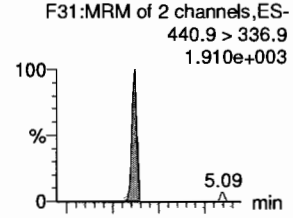



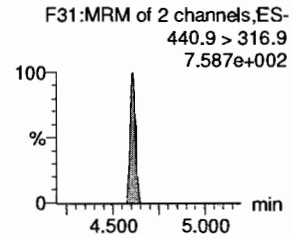

**PFHpS**



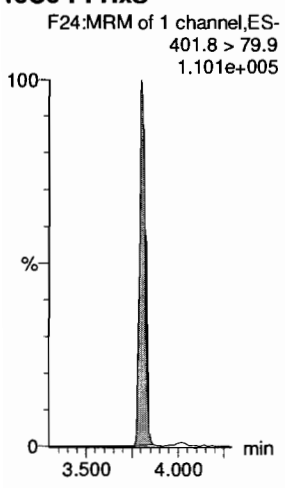




**7:3 FTCA**

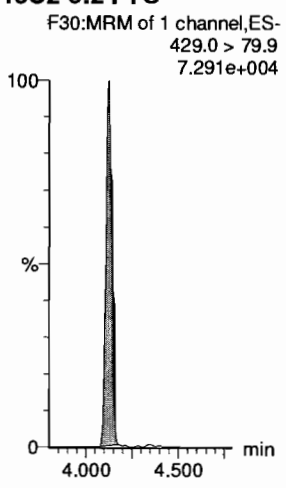


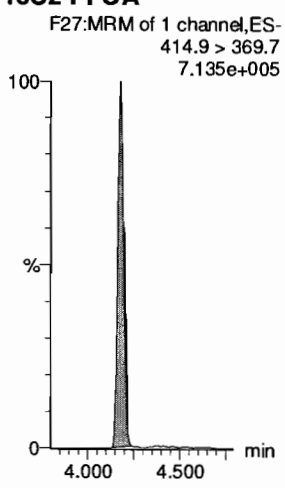

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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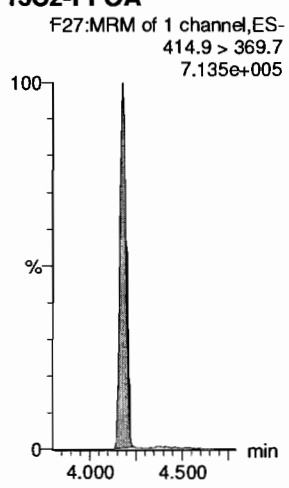
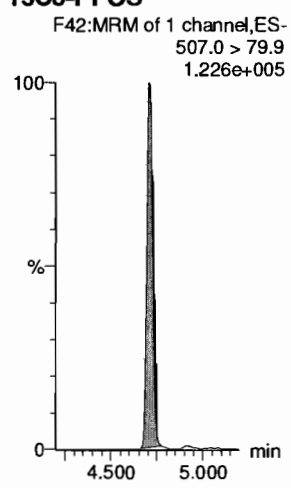
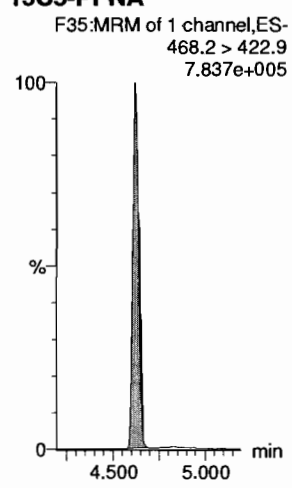



**13C8-PFOS**




**13C5-PFNA**



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Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

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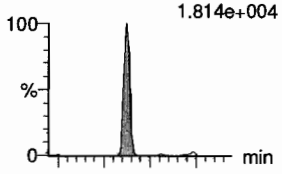
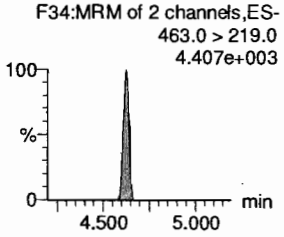
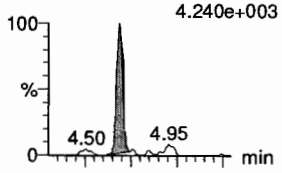
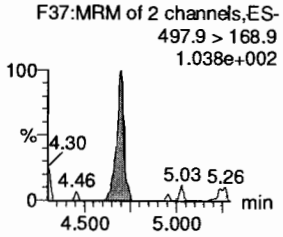


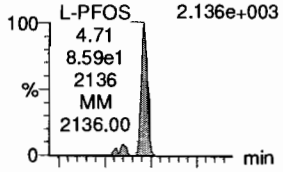



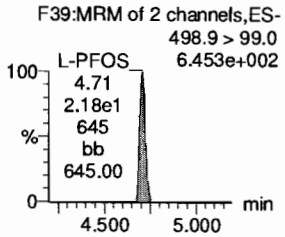

**PFOSA**



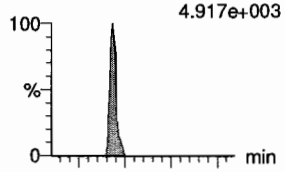



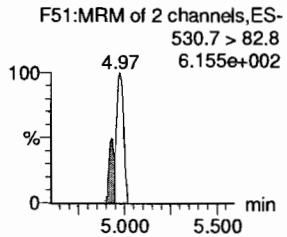

**L-PFOS**



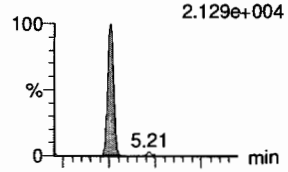



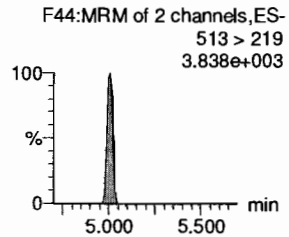

**9Cl-PF30NS**



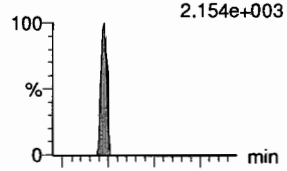



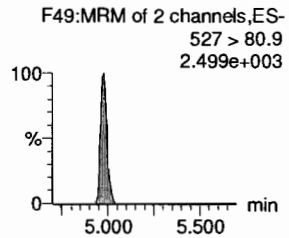

**PFDA**



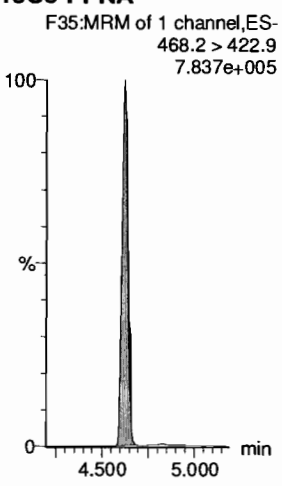




**8:2 FTS**

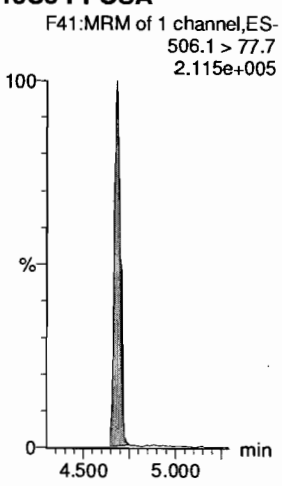


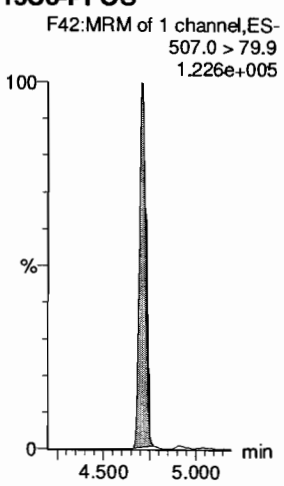

**13C5-PFNA**



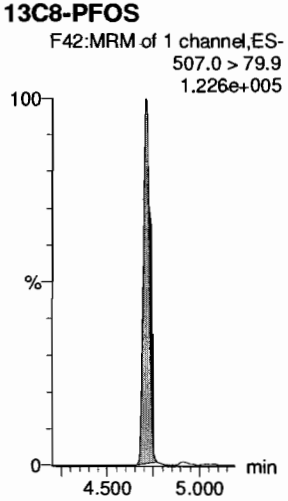

**13C8-PFOSA**



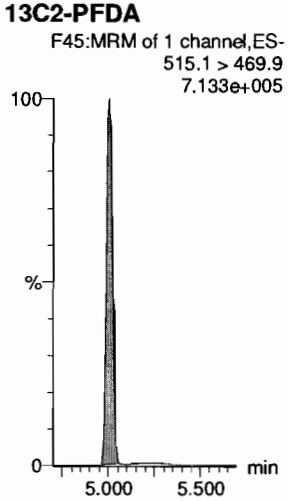

**13C8-PFOS**



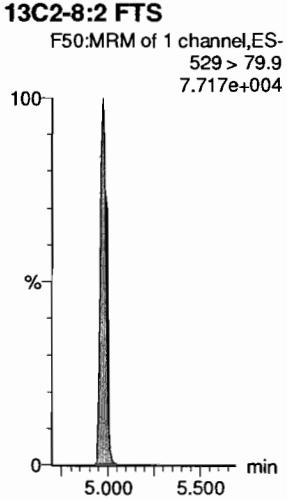

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

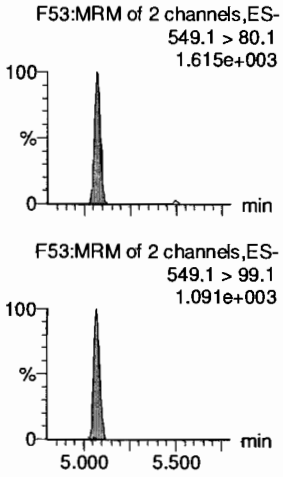


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

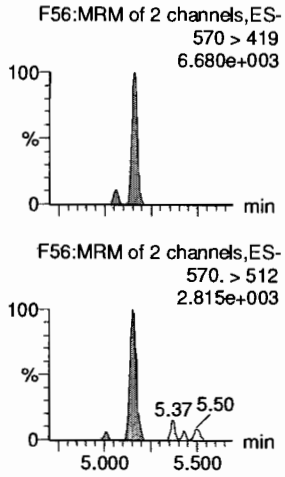
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

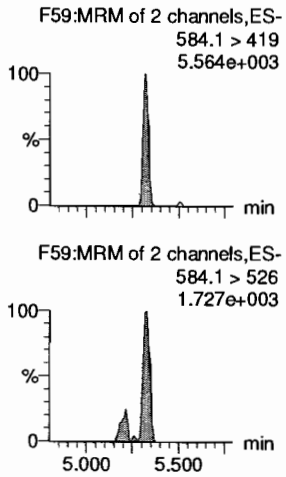
**PFNS**



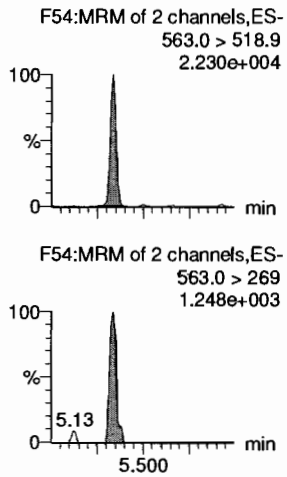

**L-MeFOSAA**



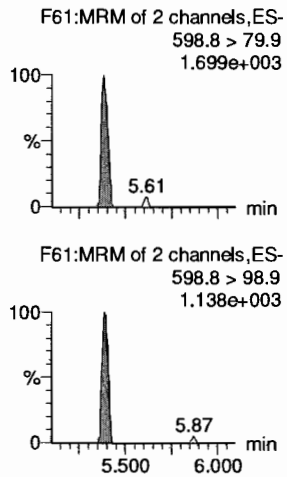

**L-EtFOSAA**



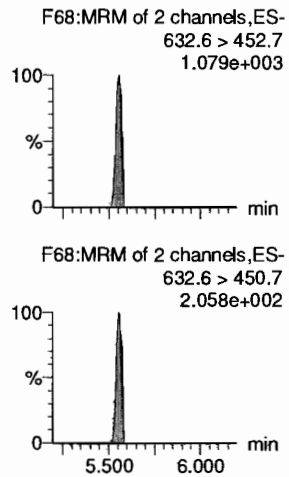

**PFUdA**



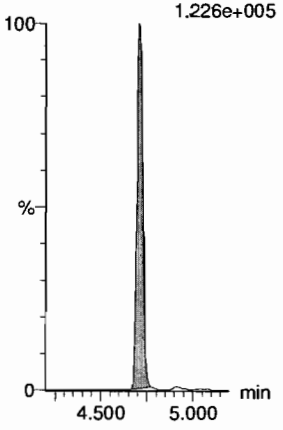

**PFDS**



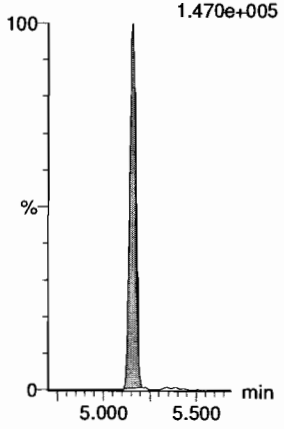

**11Cl-PF30UdS**



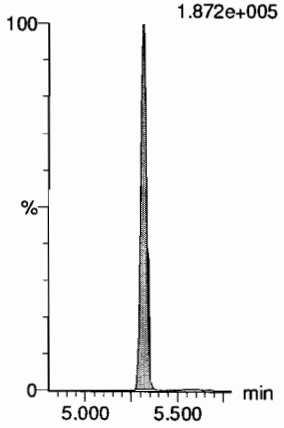

**13C8-PFOS**



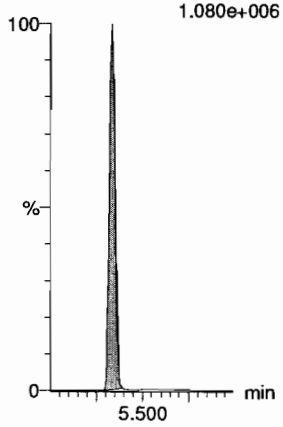

**d3-N-MeFOSAA**



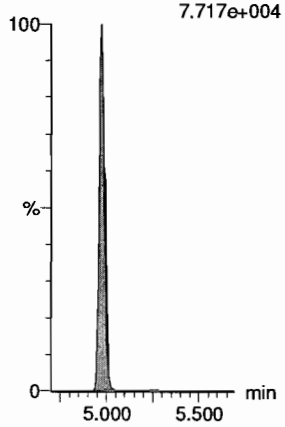

**d5-N-EtFOSAA**



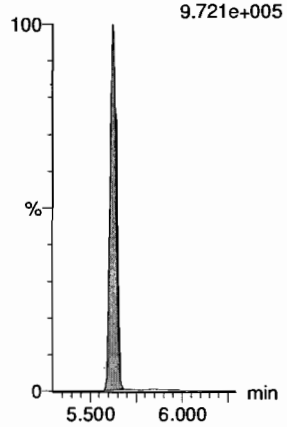

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

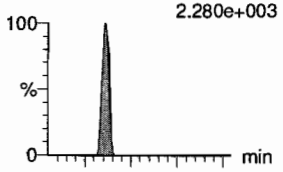


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

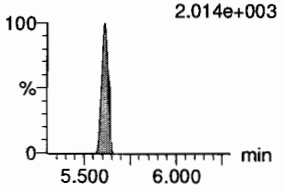
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

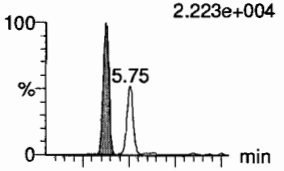
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
2.280e+003



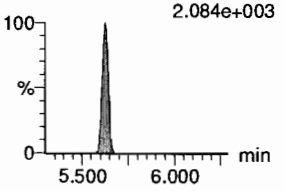
F66:MRM of 2 channels,ES-
627.0 > 80.9
2.014e+003



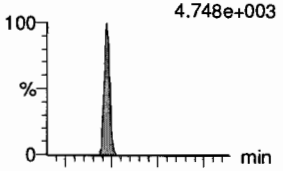
**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
2.223e+004



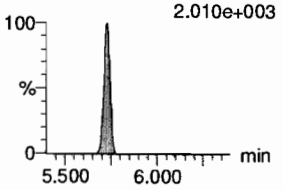

F62:MRM of 4 channels,ES-
612.9 > 318.8
2.084e+003



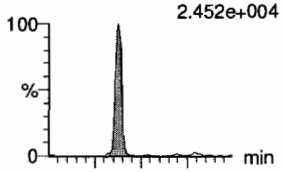
**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
4.748e+003



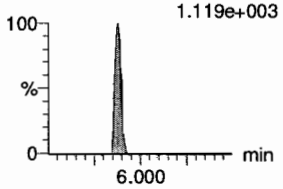
F43:MRM of 2 channels,ES-
512.1 > 219
2.010e+003



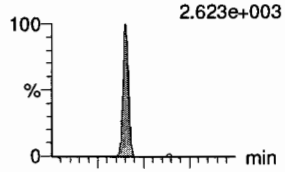
**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
2.452e+004



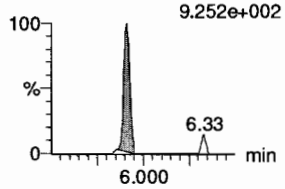
F70:MRM of 2 channels,ES-
662.9 > 319
1.119e+003



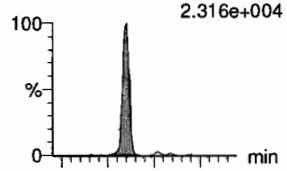
**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
2.623e+003



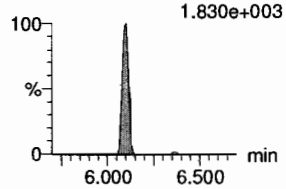
F71:MRM of 2 channels,ES-
698.8 > 98.9
9.252e+002



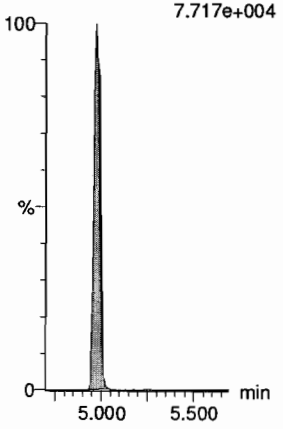

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
2.316e+004



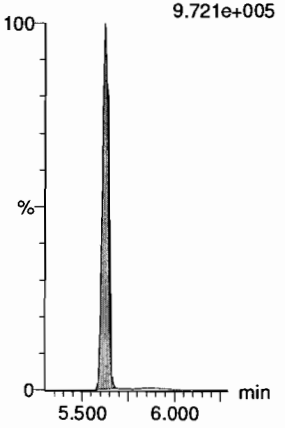
F72:MRM of 2 channels,ES-
713. > 369.0
1.830e+003



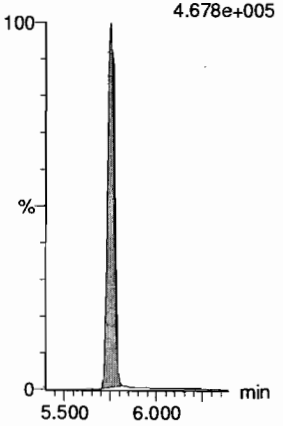
**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
7.717e+004



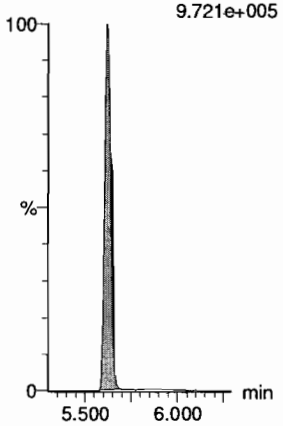
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
9.721e+005



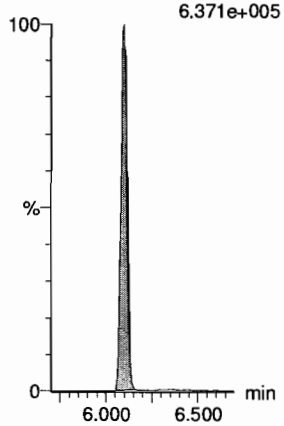
**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
4.678e+005



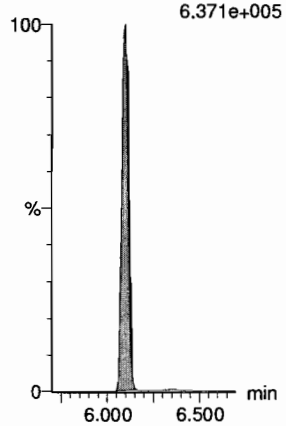
**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
9.721e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.371e+005



**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.371e+005

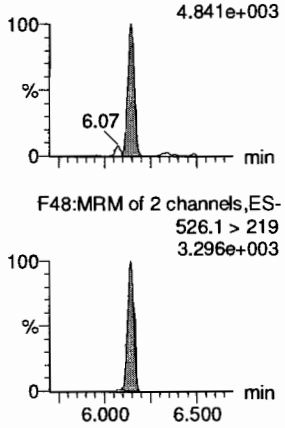


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

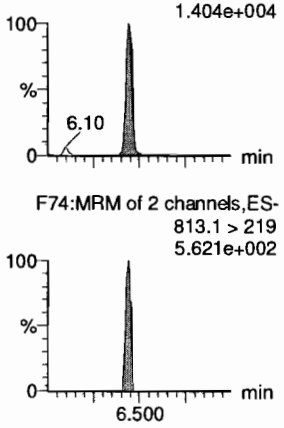
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

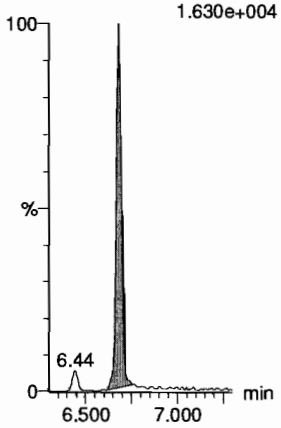
**N-EtFOSA**



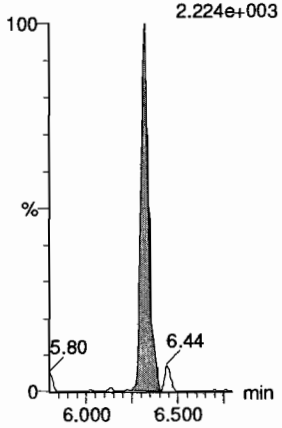

**PFHxDA**



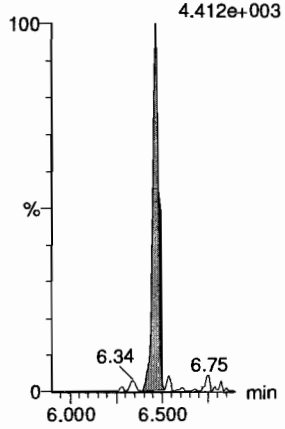

**PFODA**



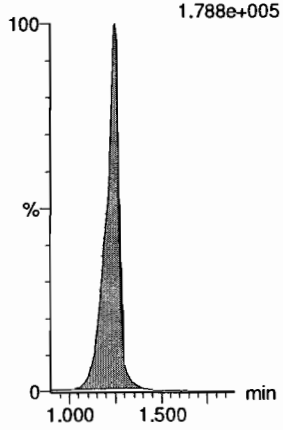

**N-MeFOSE**



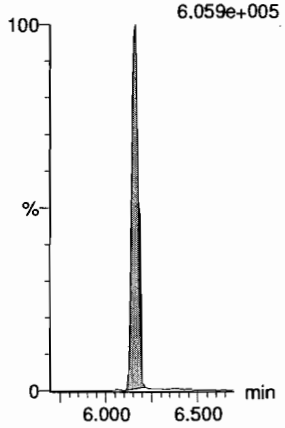

**N-EtFOSE**



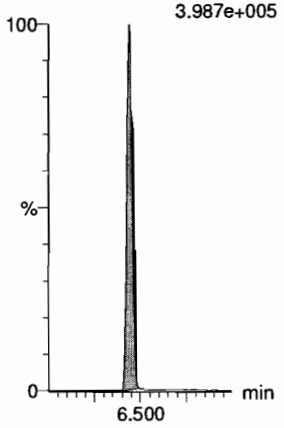

**13C4-PFBA**



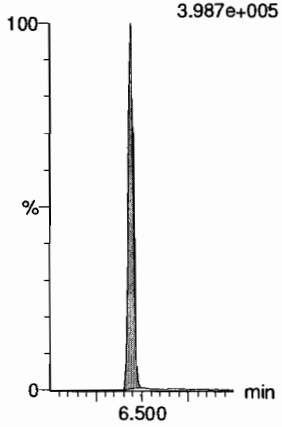

**d5-N-ETFOSA**



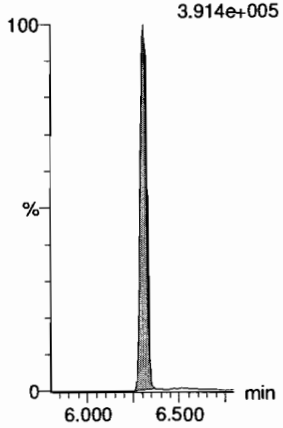

**13C2-PFHxDA**



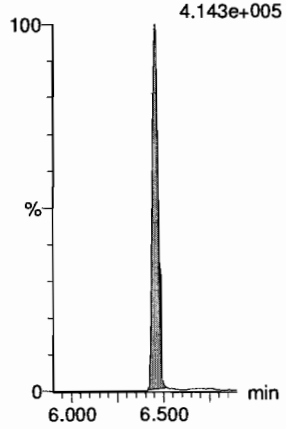

**13C2-PFHxDA**



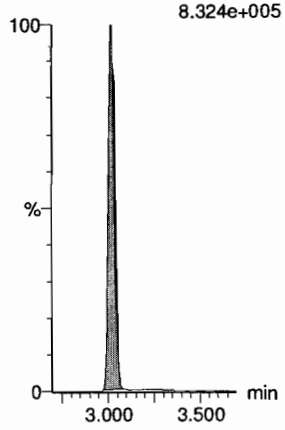

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

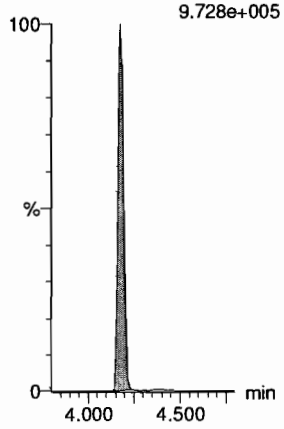


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

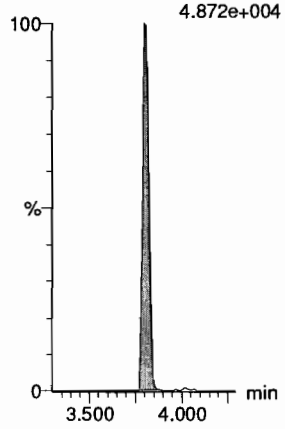
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_8, Date: 06-Aug-2019, Time: 11:44:33, ID: ST190806M1-1 PFC CS-2 19G2301, Description: PFC CS-2 19G2301**

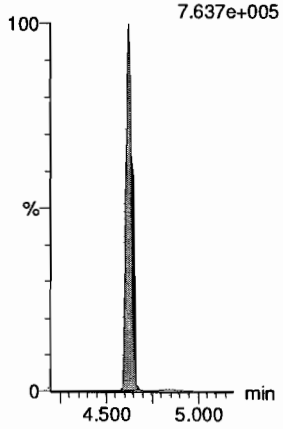
**13C8-PFOA**



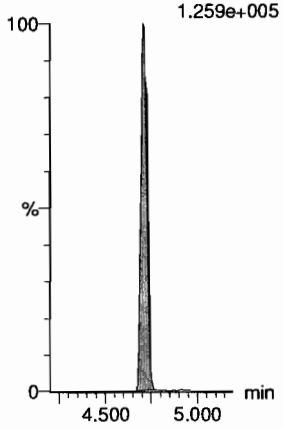

**18O2-PFHxS**



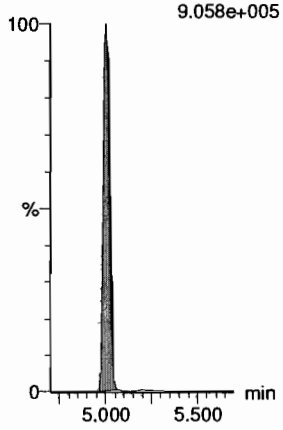

**13C9-PFNA**



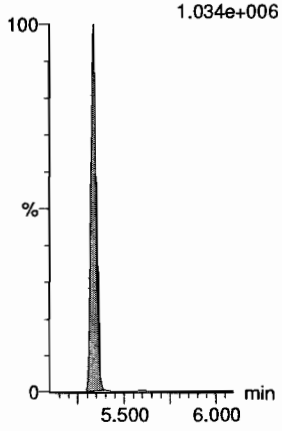

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

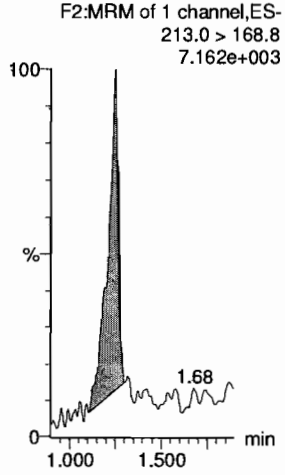


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

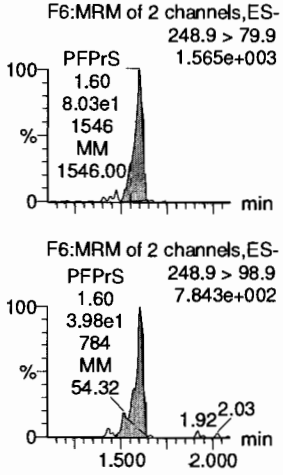
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

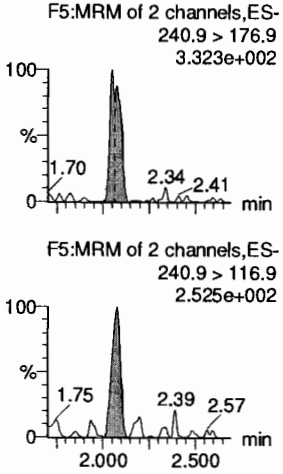
**PFBA**



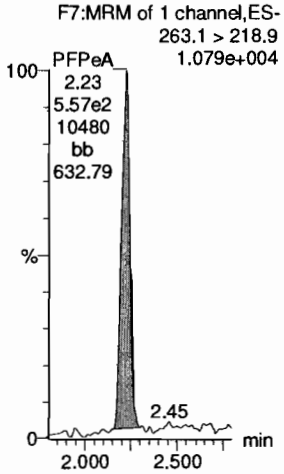

**PFPrS**



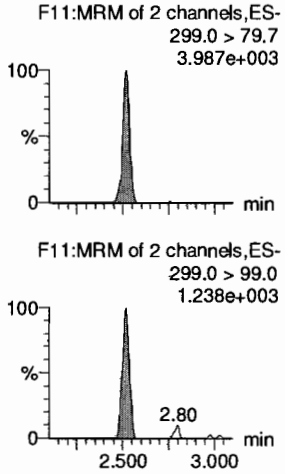

**3:3 FTCA**



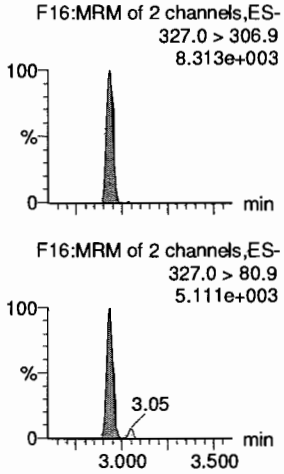

**PFPeA**



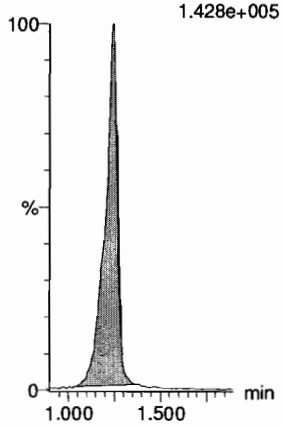

**PFBS**



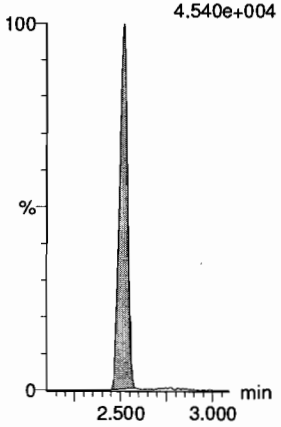

**4:2 FTS**



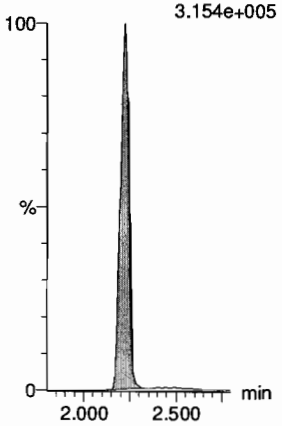

**13C3-PFBA**



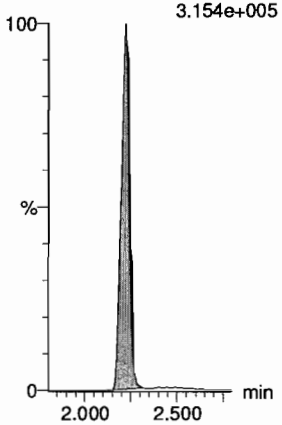

**13C3-PFBS**



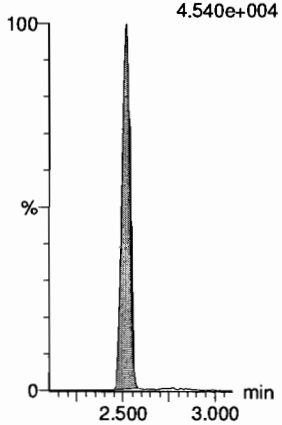

**13C3-PFPeA**



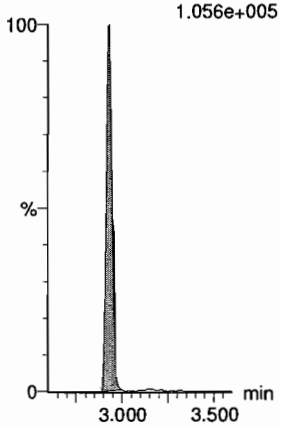

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

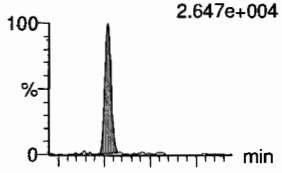


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

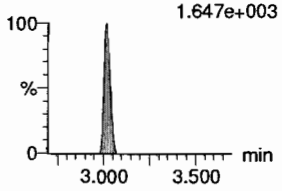
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

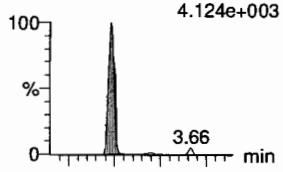
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
2.647e+004



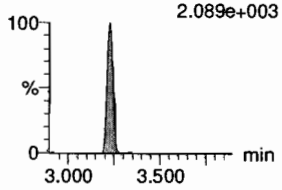
F13:MRM of 2 channels,ES-
313 > 118.9
1.647e+003



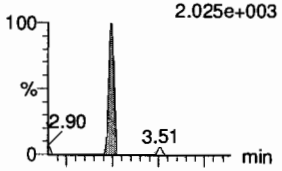
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
4.124e+003



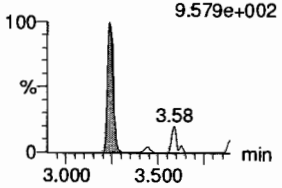

F19:MRM of 2 channels,ES-
349.1 > 99
2.089e+003



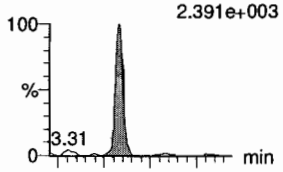
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
2.025e+003



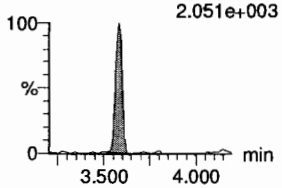

F9:MRM of 3 channels,ES-
285.1 > 184.9
9.579e+002



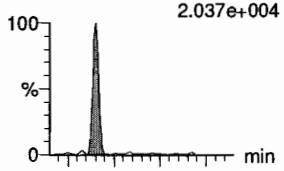

**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
2.391e+003



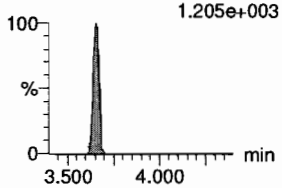

F18:MRM of 2 channels,ES-
340.9 > 216.9
2.051e+003



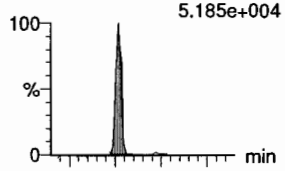
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
2.037e+004



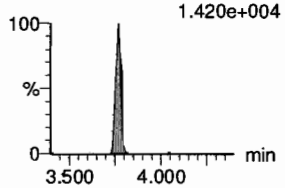
F20:MRM of 2 channels,ES-
363.0 > 169.0
1.205e+003



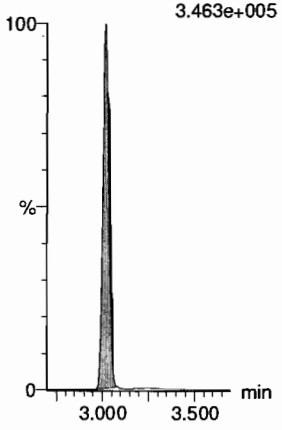
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
5.185e+004



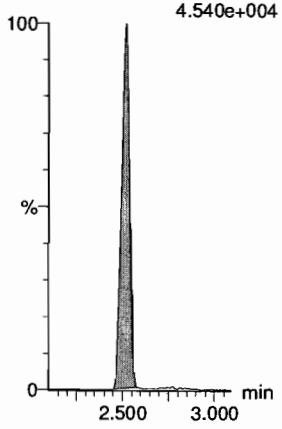
F22:MRM of 2 channels,ES-
376.8 > 85.0
1.420e+004



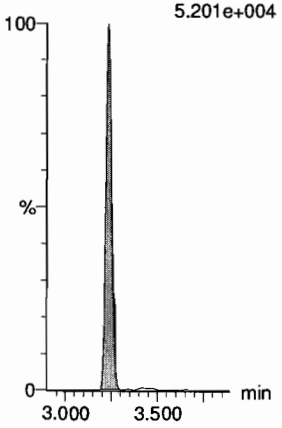
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
3.463e+005



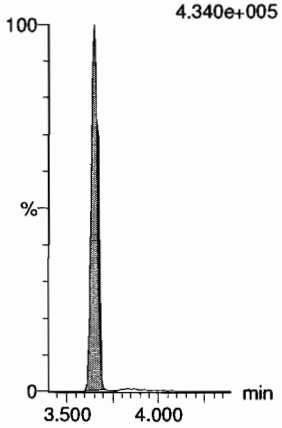
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
4.540e+004



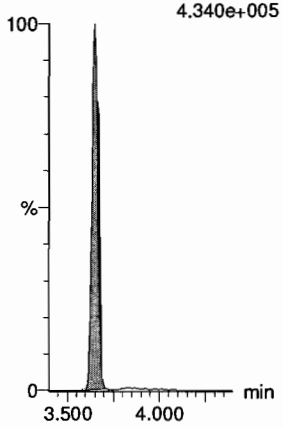
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
5.201e+004



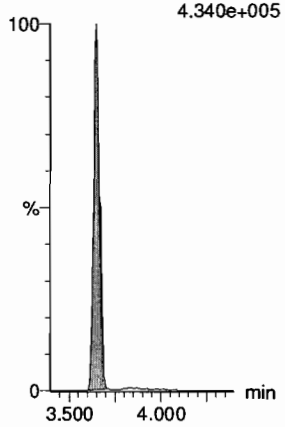
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
4.340e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
4.340e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
4.340e+005

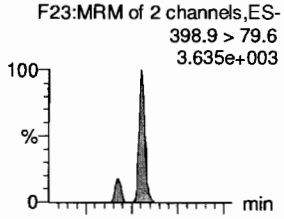


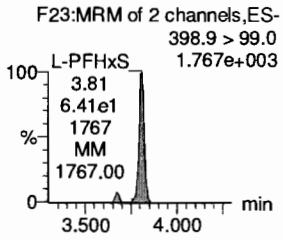
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

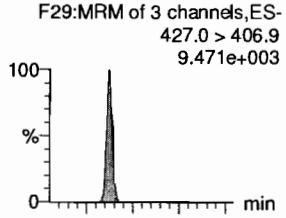
**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

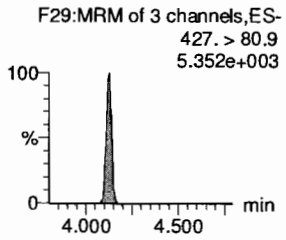
**L-PFHxS**



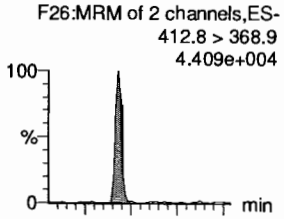



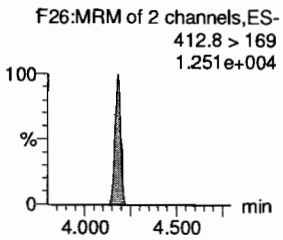

**6:2 FTS**



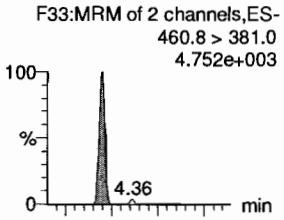



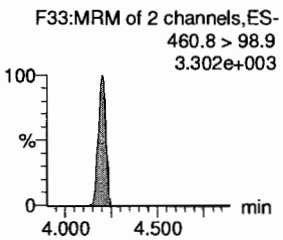

**L-PFOA**



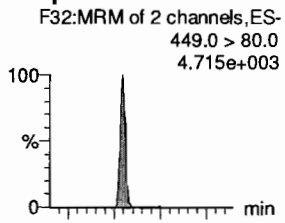



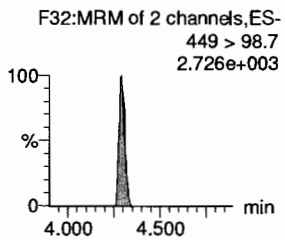

**PFEChS**



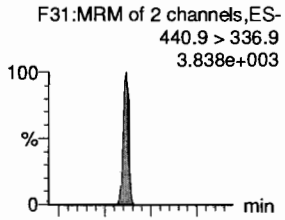



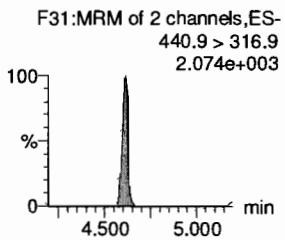

**PFHpS**



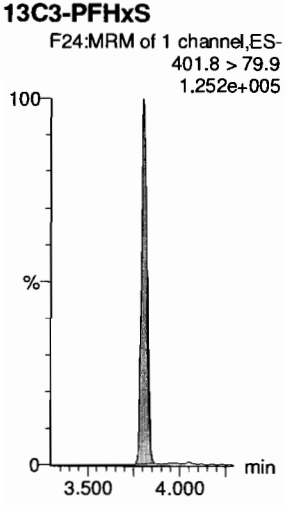




**7:3 FTCA**

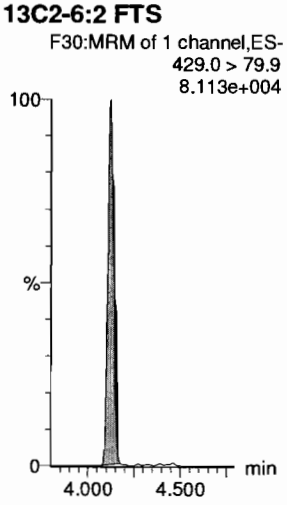


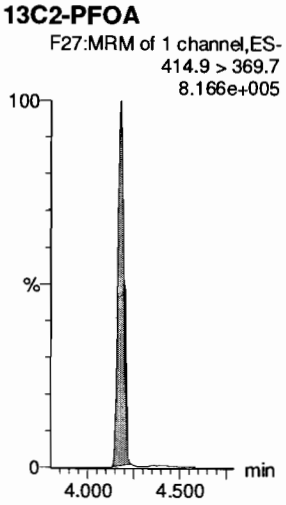

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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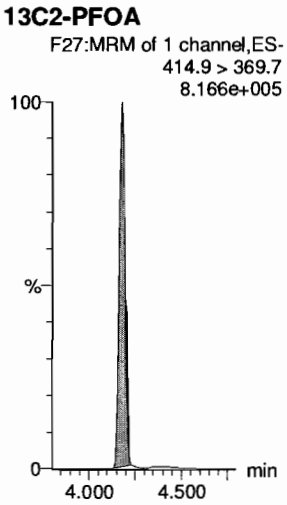
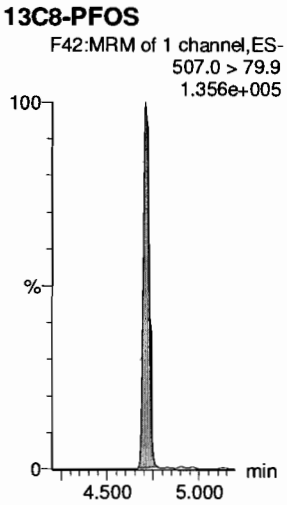
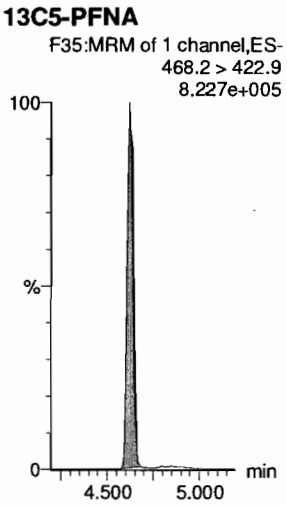



**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

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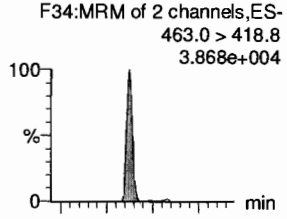
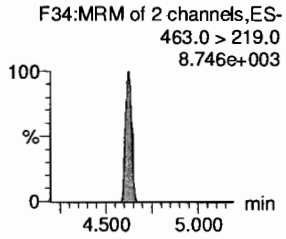
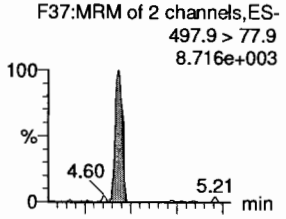
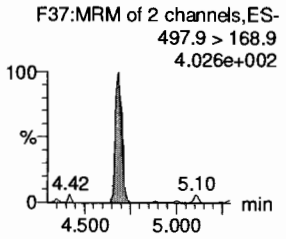


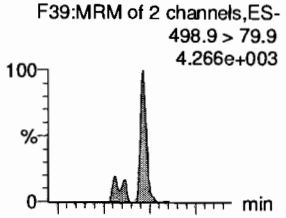



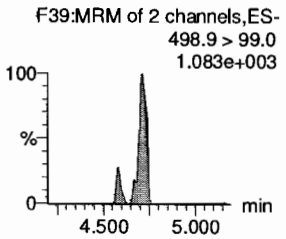

**PFOSA**




**L-PFOS**

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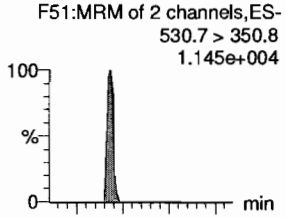


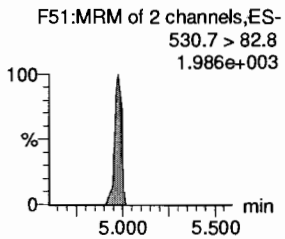


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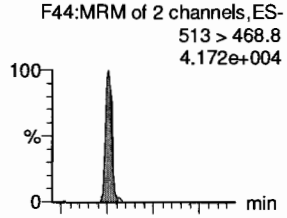
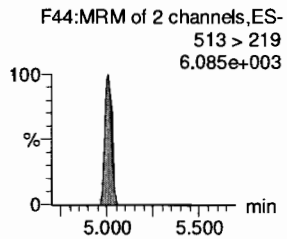
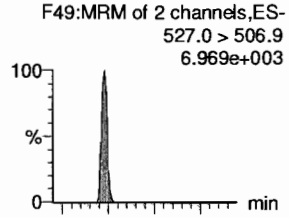
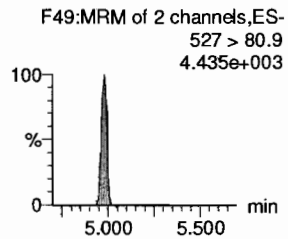


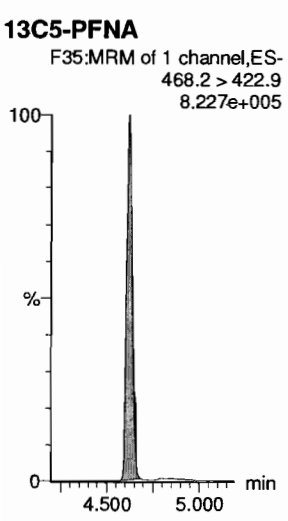




**8:2 FTS**

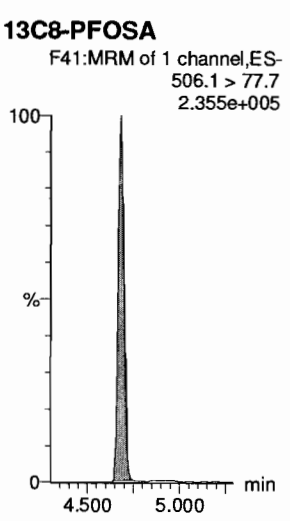


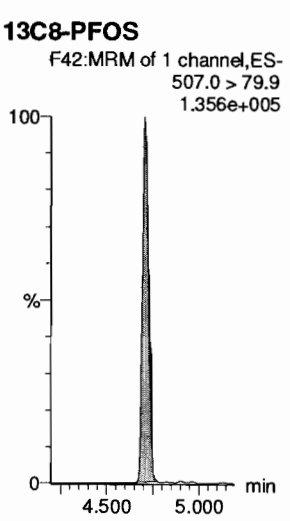

**13C5-PFNA**



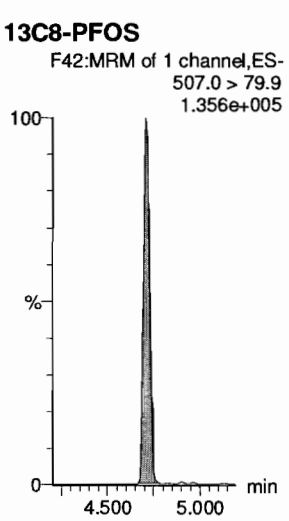

**13C8-PFOSA**



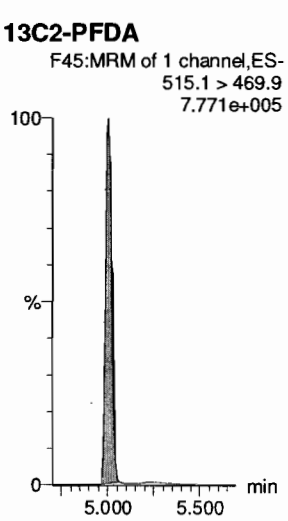

**13C8-PFOS**



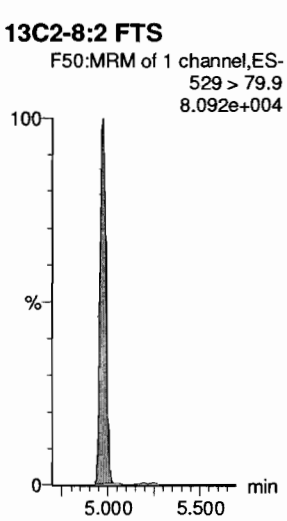

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**



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Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

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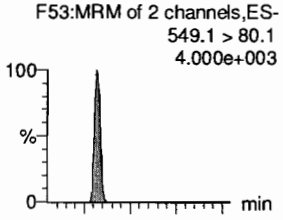


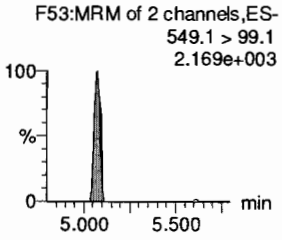


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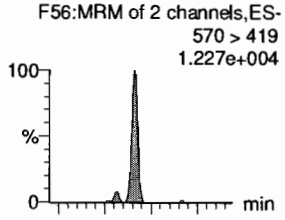


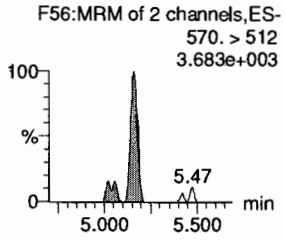


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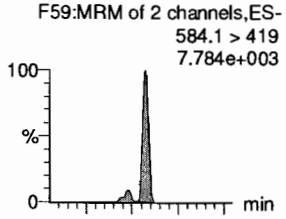
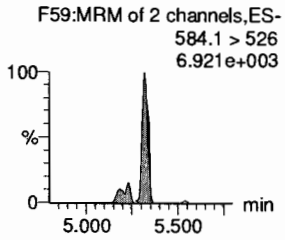
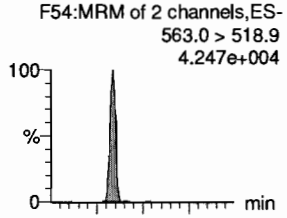
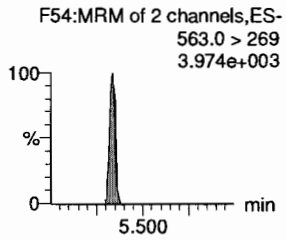



**PFUdA**

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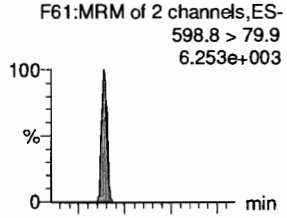


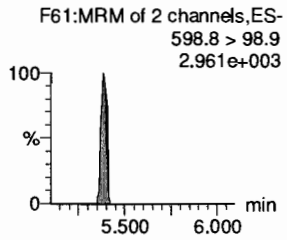


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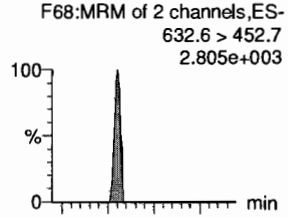
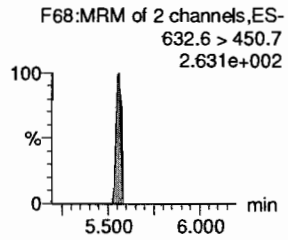
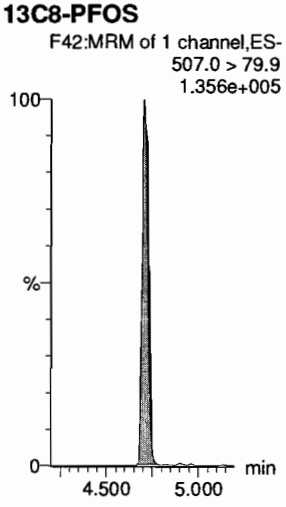
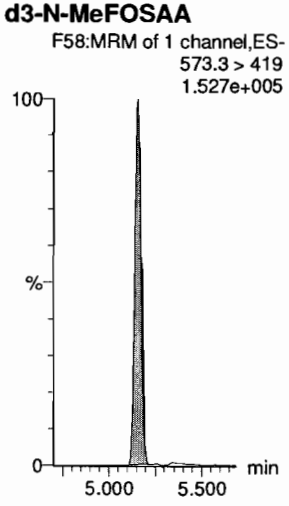



**13C8-PFOS**




**d3-N-MeFOSAA**

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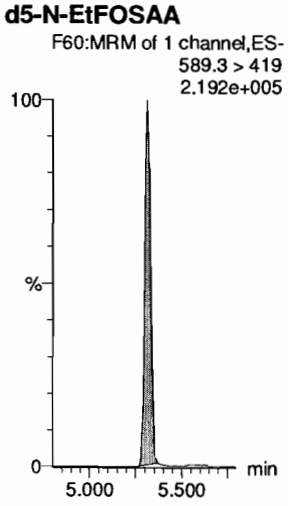
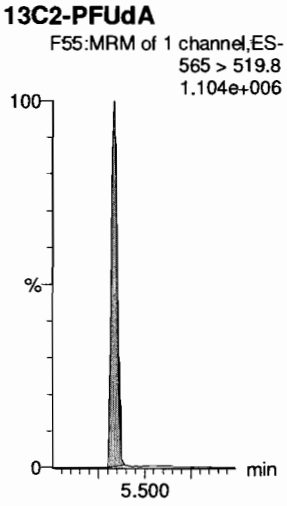
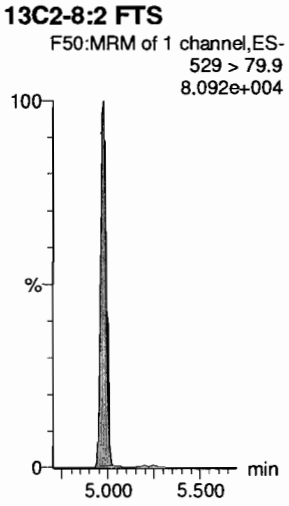



**13C2-PFUdA**




**13C2-8:2 FTS**

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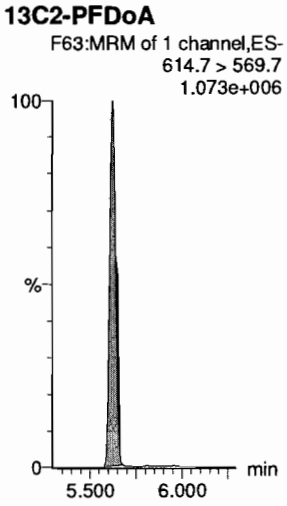

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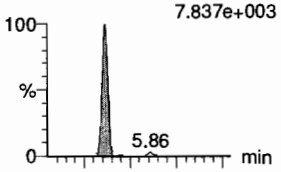
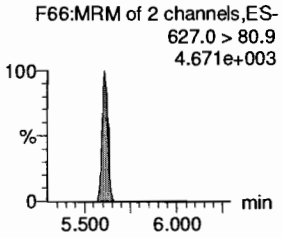
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

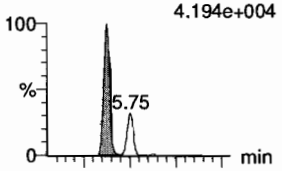
**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

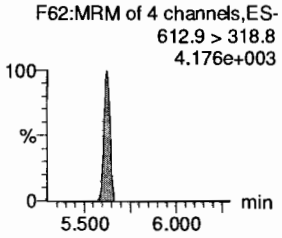
**10:2 FTS**



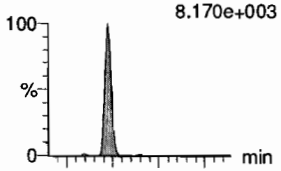



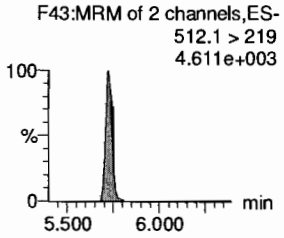

**PFDoA**




**N-MeFOSA**

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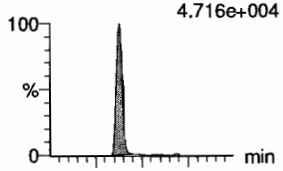
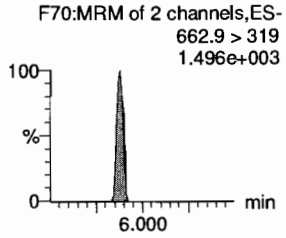
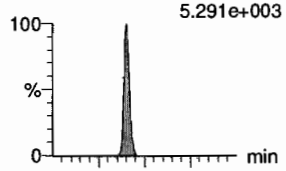
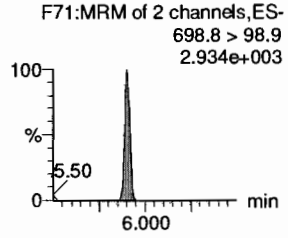


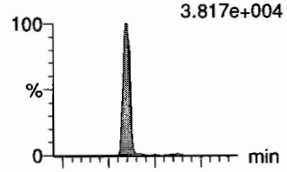



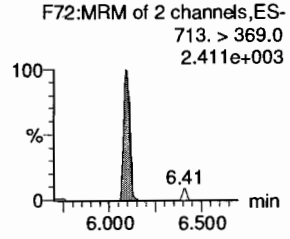

**PFDoS**



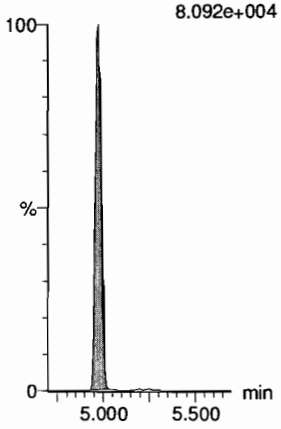




**PFTeDA**

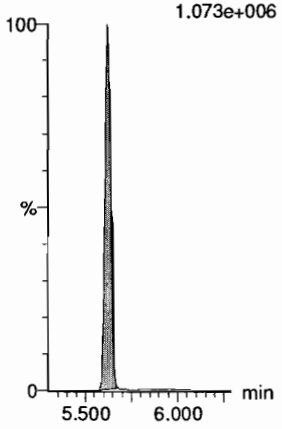


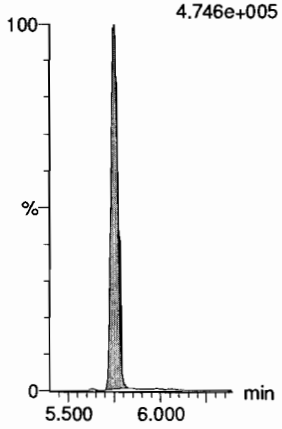

**13C2-8:2 FTS**




**13C2-PFDoA**




**d3-N-MeFOSA**

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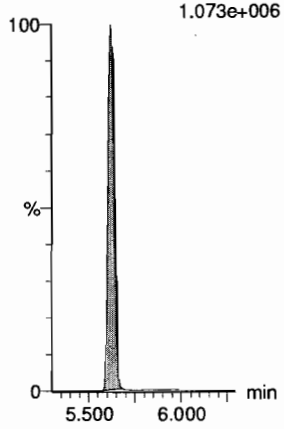
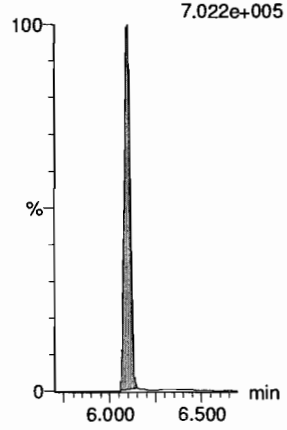
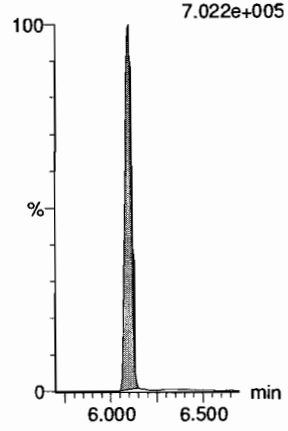



**13C2-PFTeDA**




**13C2-PFTeDA**

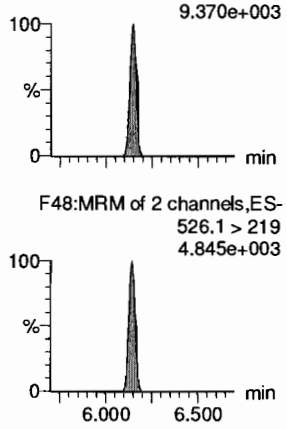


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

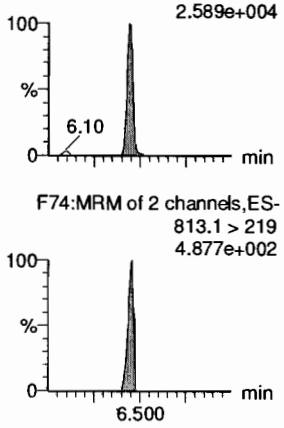
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

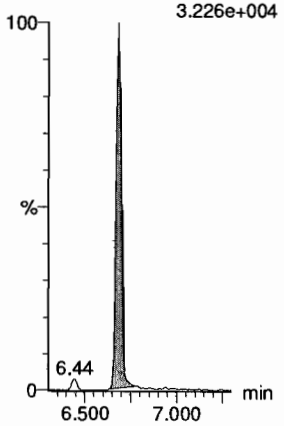
**N-EtFOSA**



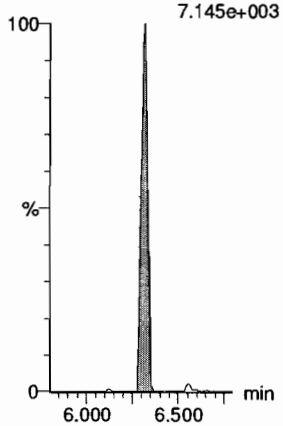

**PFHxDA**



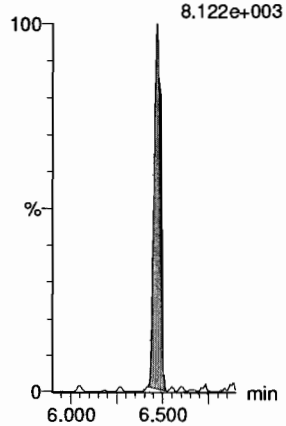

**PFODA**



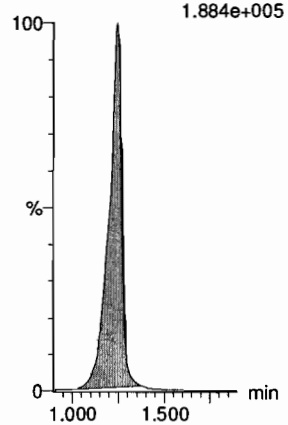

**N-MeFOSE**



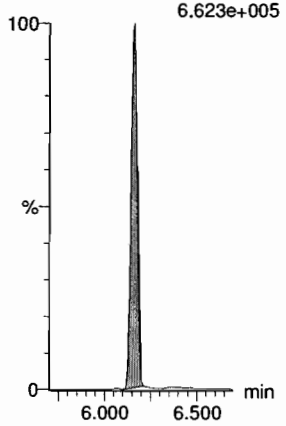

**N-EtFOSE**



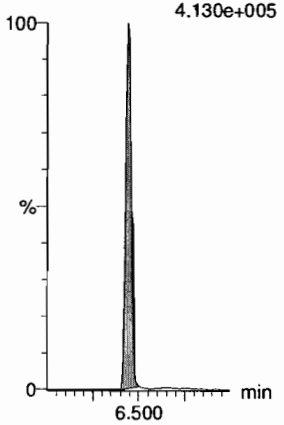

**13C4-PFBA**



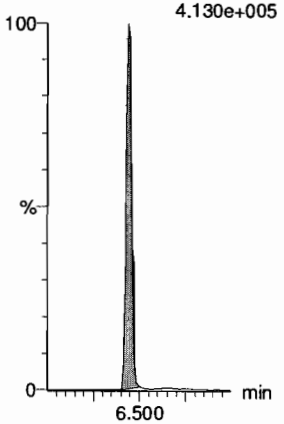

**d5-N-ETFOSA**



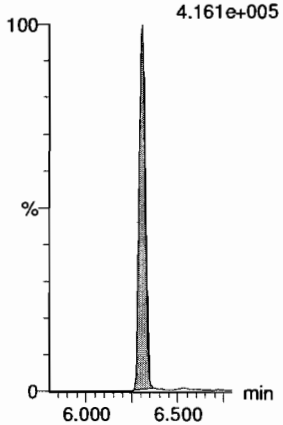

**13C2-PFHxDA**



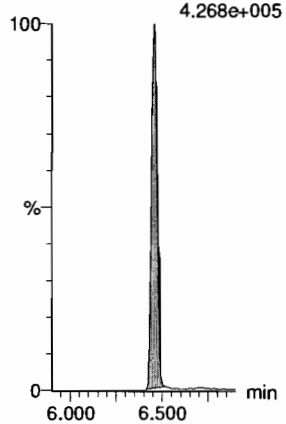

**13C2-PFHxDA**



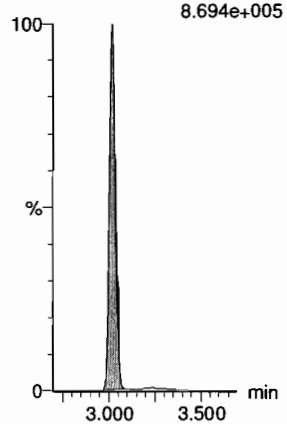

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

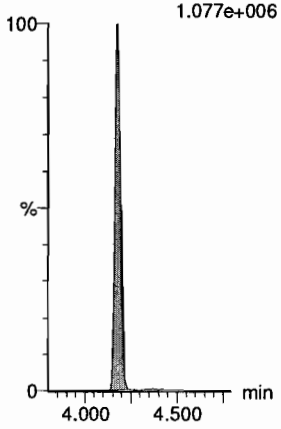


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

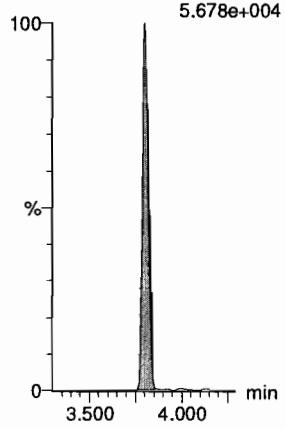
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_9, Date: 06-Aug-2019, Time: 11:55:06, ID: ST190806M1-2 PFC CS-1 19G2302, Description: PFC CS-1 19G2302**

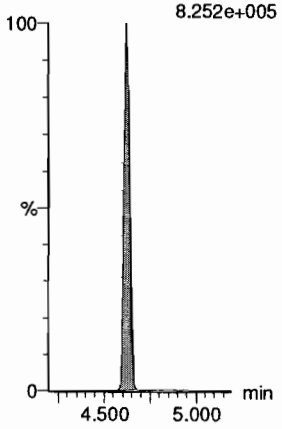
**13C8-PFOA**



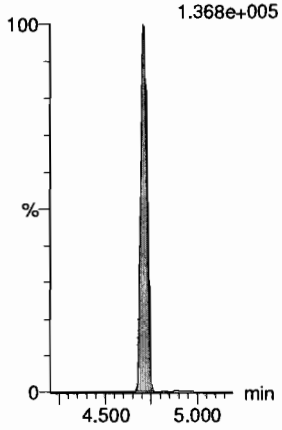

**18O2-PFHxS**



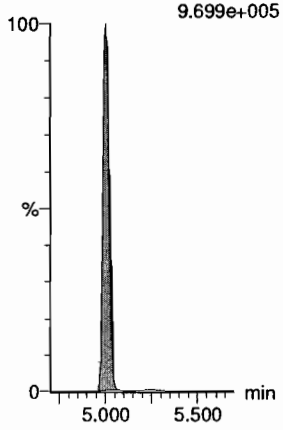

**13C9-PFNA**



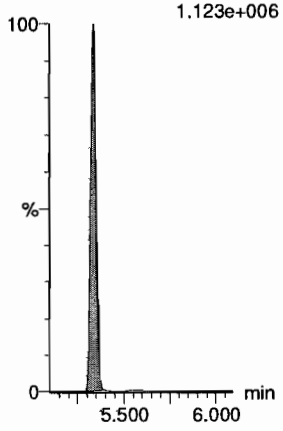

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

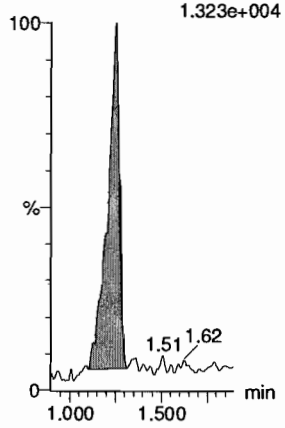


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

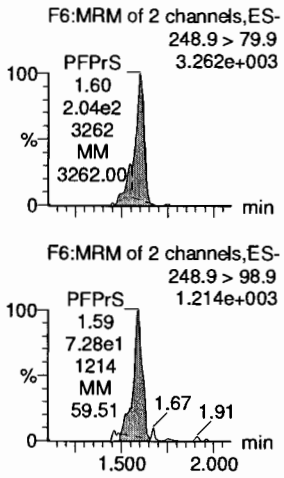
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

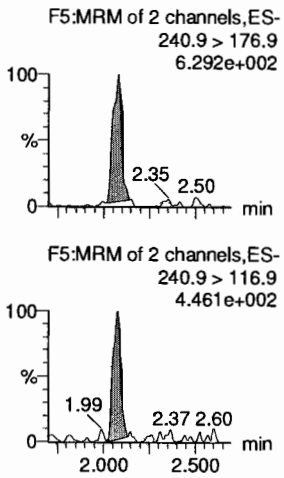
**PFBA**



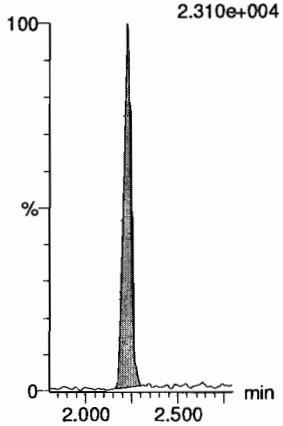

**PFPrS**



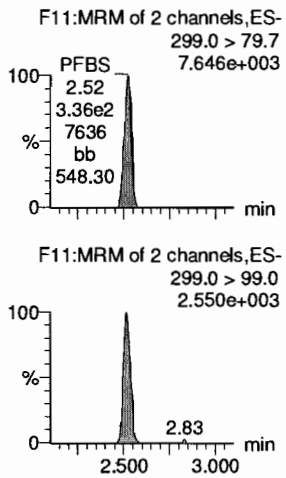

**3:3 FTCA**



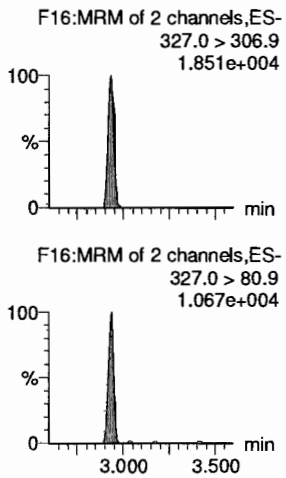

**PFPeA**



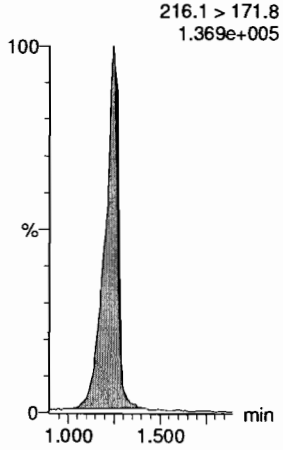

**PFBS**



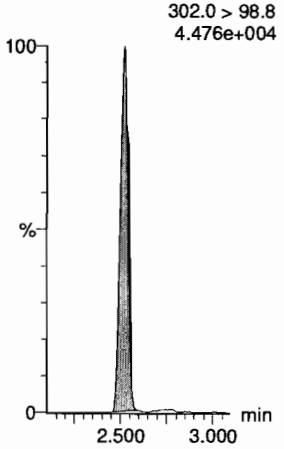

**4:2 FTS**



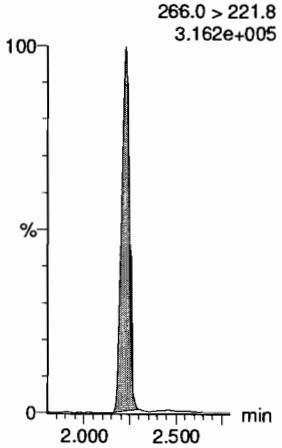

**13C3-PFBA**



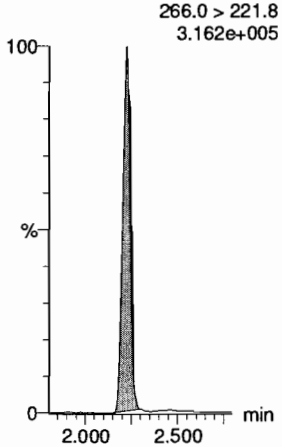

**13C3-PFBS**



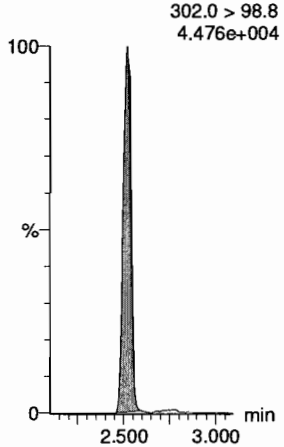

**13C3-PFPeA**



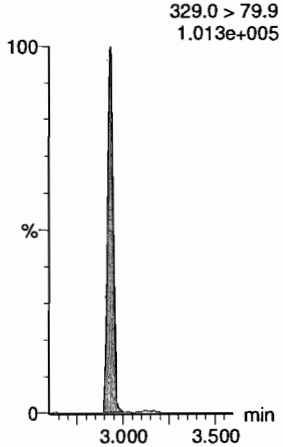

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

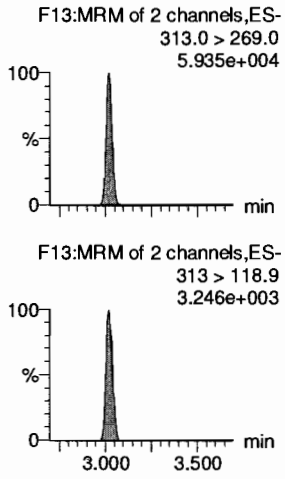


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

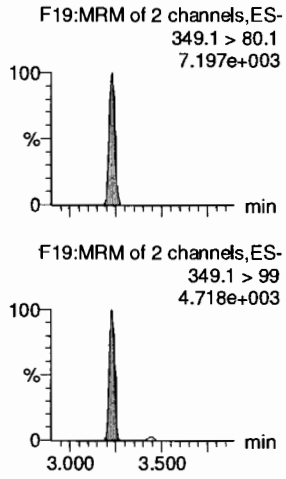
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

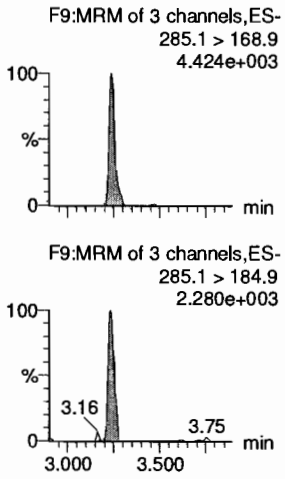
**PFHxA**



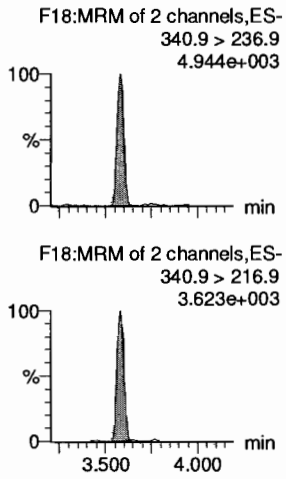

**PFPeS**



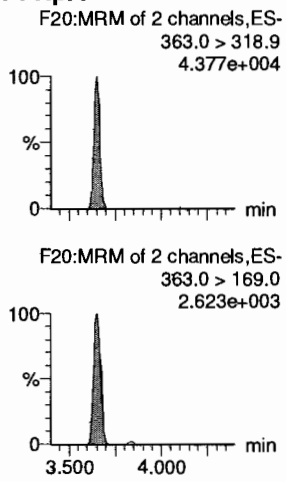

**HFPO-DA**



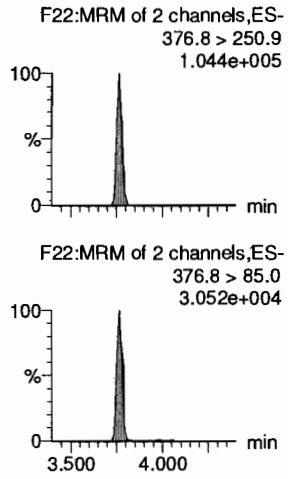

**5:3 FTCA**



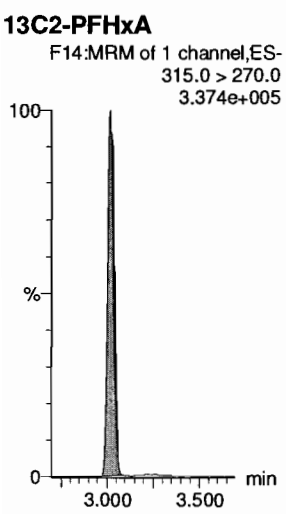

**PFHpA**



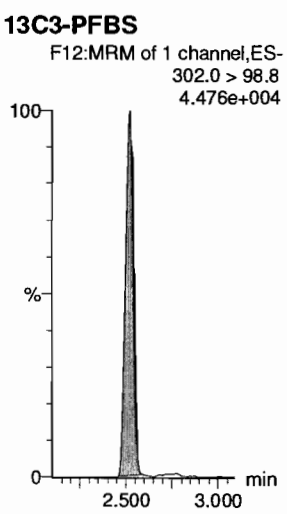

**ADONA**



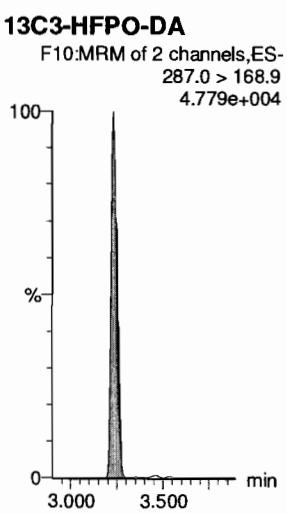

**13C2-PFHxA**



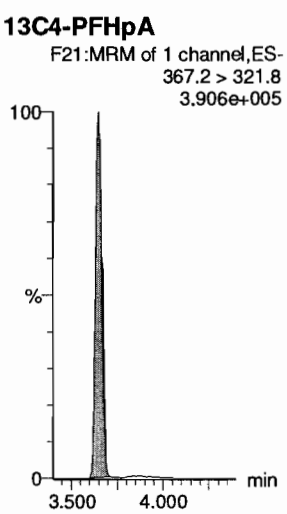

**13C3-PFBS**



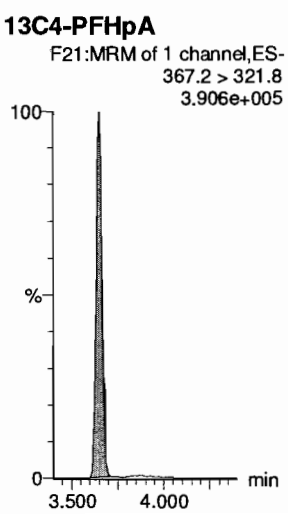

**13C3-HFPO-DA**



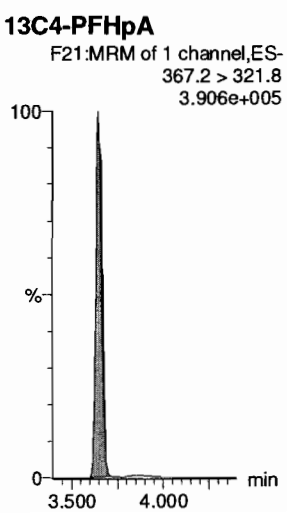

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

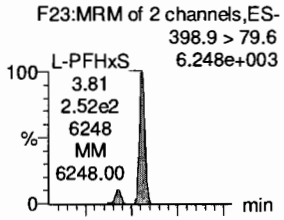


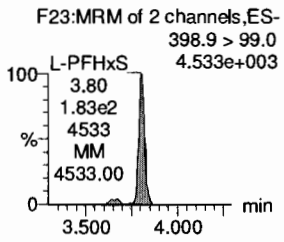
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

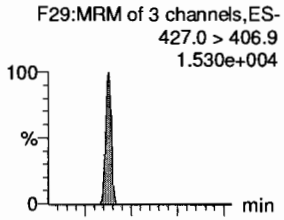
**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

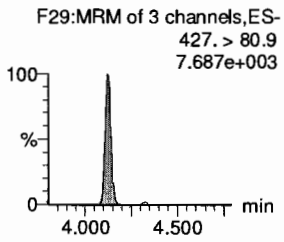
**L-PFHxS**



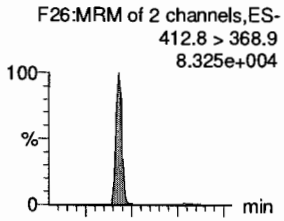



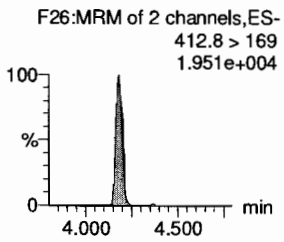

**6:2 FTS**




**L-PFOA**

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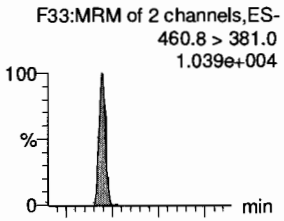
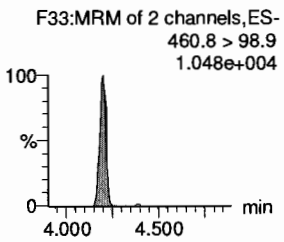
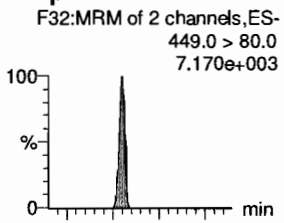
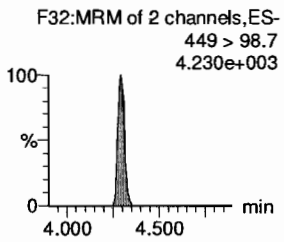


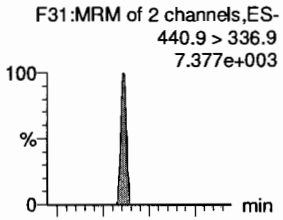



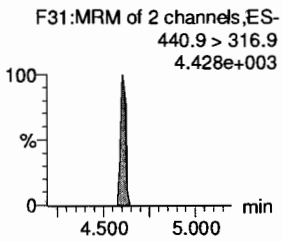

**PFHpS**



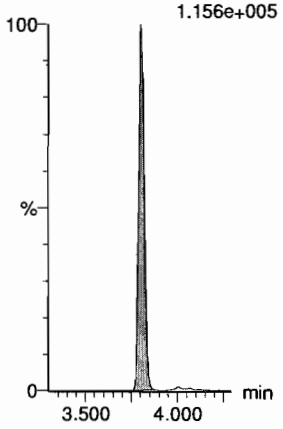




**7:3 FTCA**

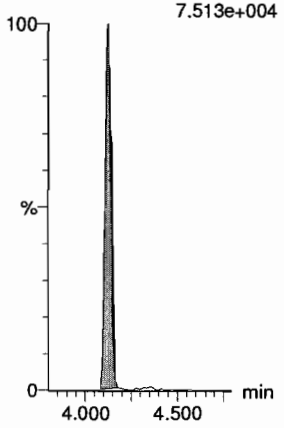


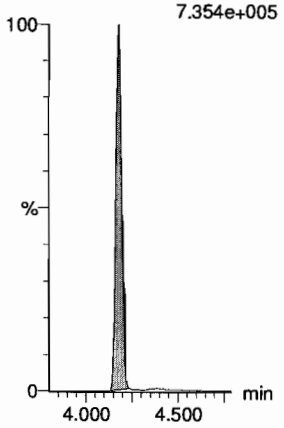

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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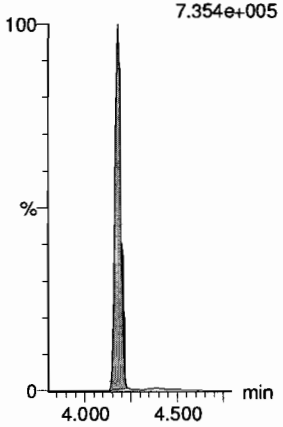
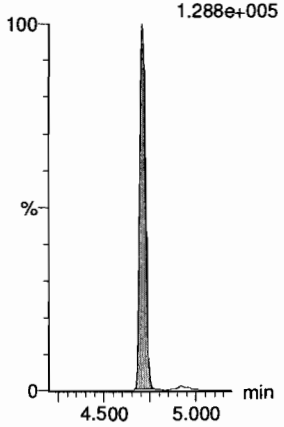
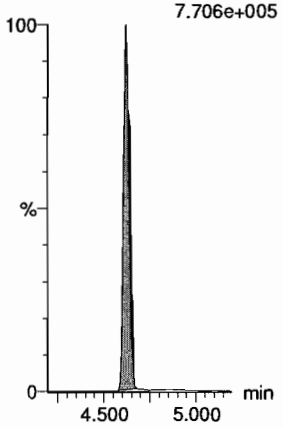



**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

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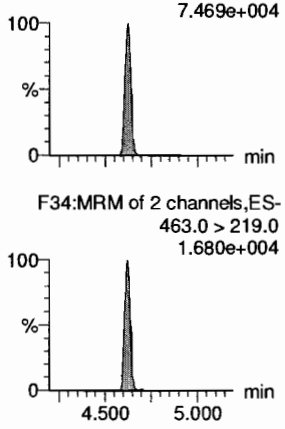
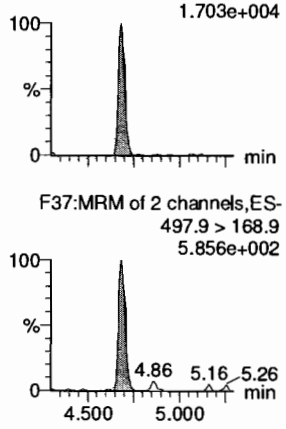
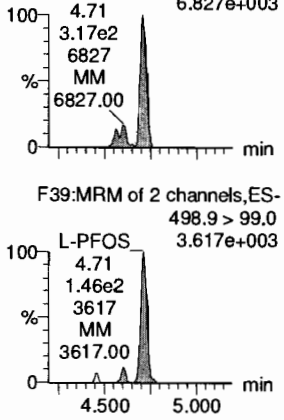


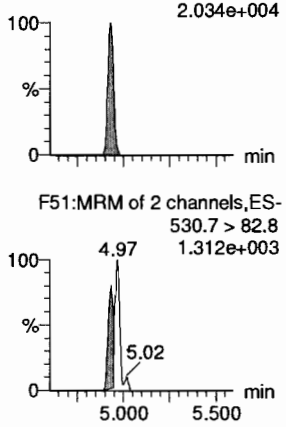

**PFOSA**



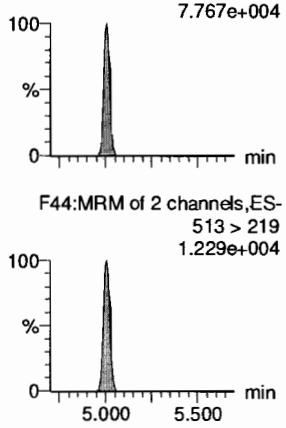

**L-PFOS**



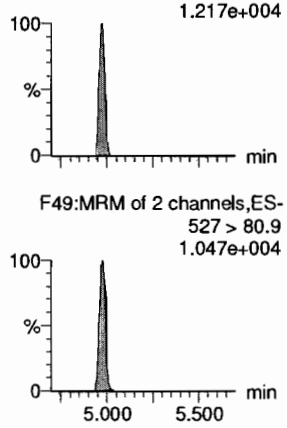

**9Cl-PF30NS**




**PFDA**




**8:2 FTS**

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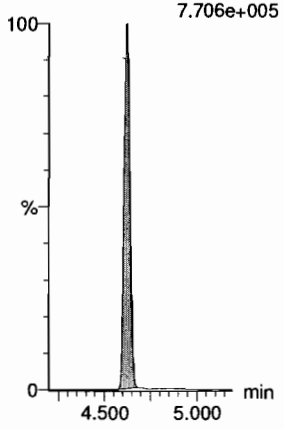


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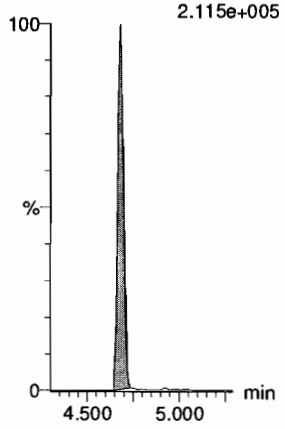


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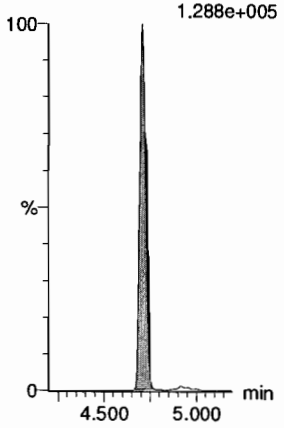
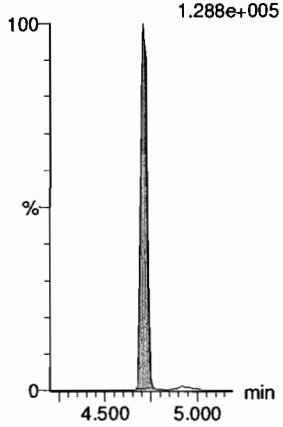



**13C8-PFOS**

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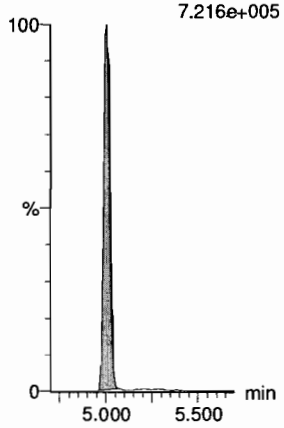
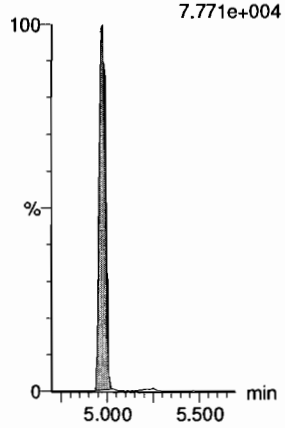



**13C2-8:2 FTS**

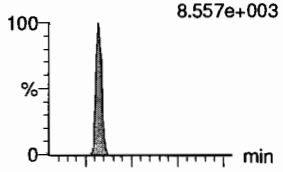


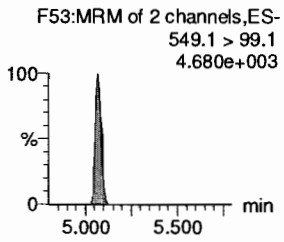
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

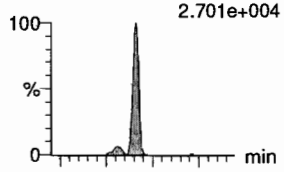
**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

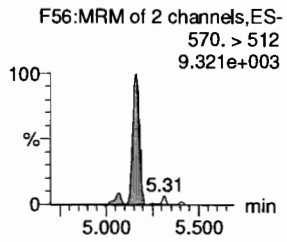
**PFNS**



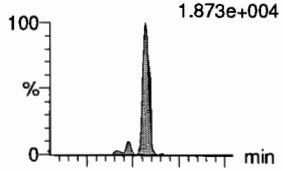



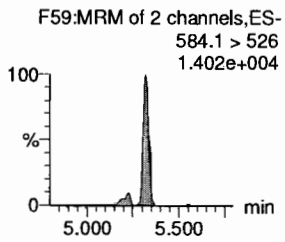

**L-MeFOSAA**




**L-EtFOSAA**

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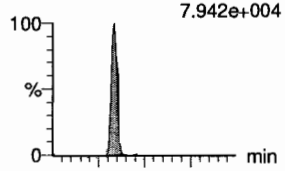
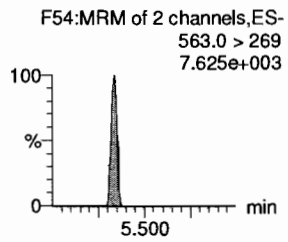
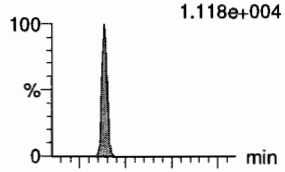
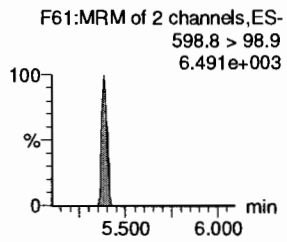


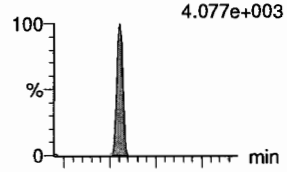



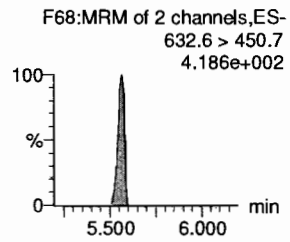

**PFDS**



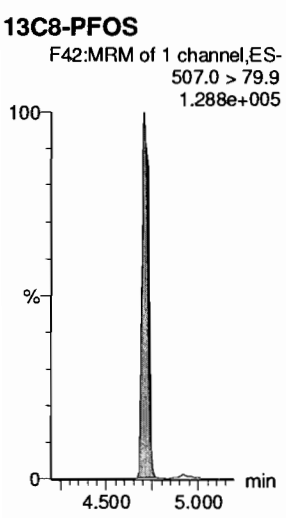




**11Cl-PF30UdS**

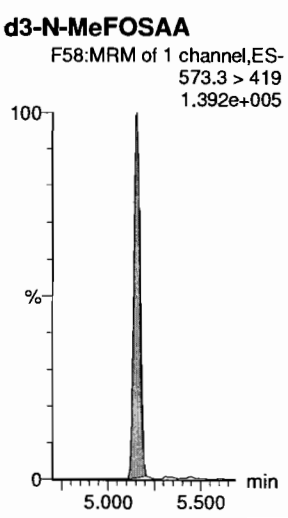


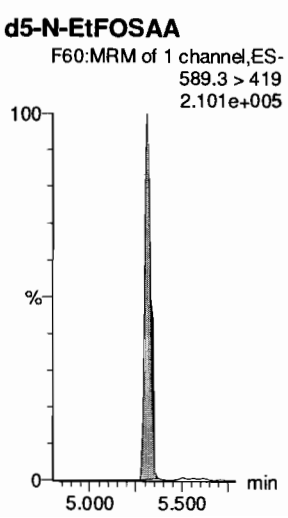

**13C8-PFOS**



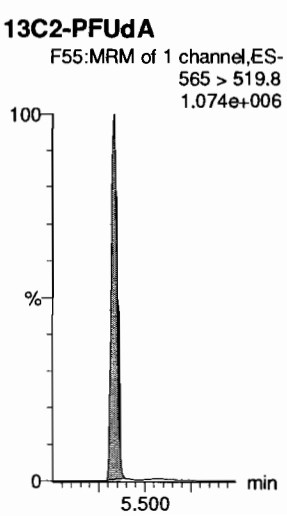

**d3-N-MeFOSAA**



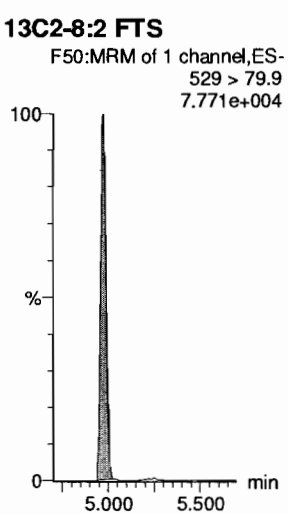

**d5-N-EtFOSAA**



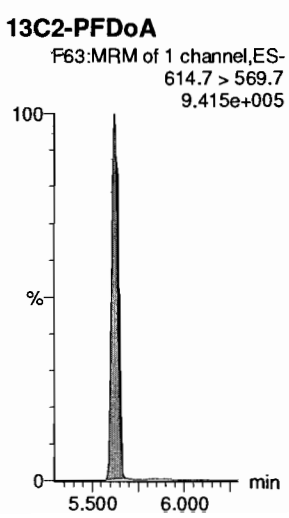

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

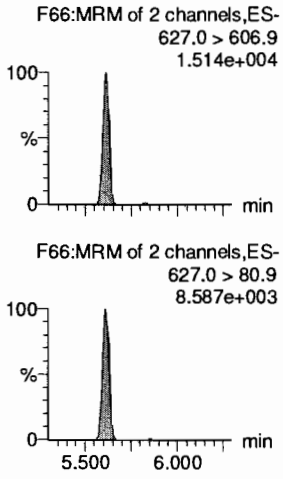


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

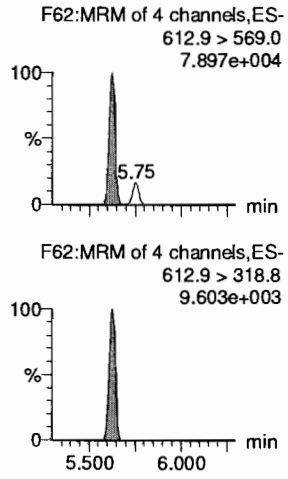
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

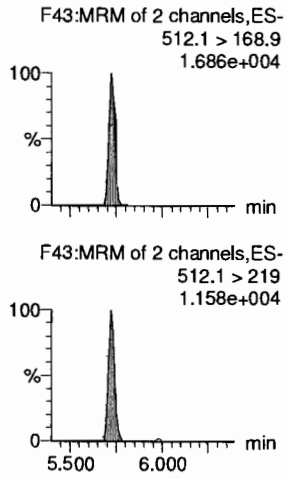
**10:2 FTS**



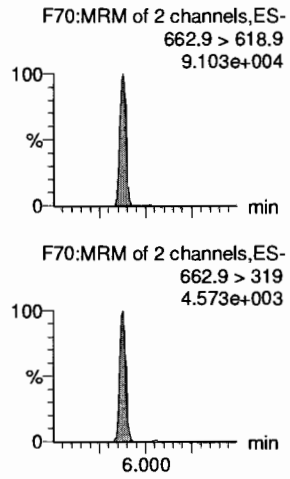

**PFDoA**



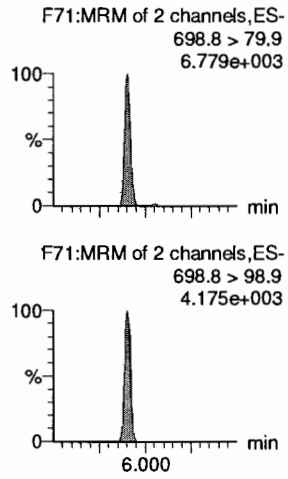

**N-MeFOSA**



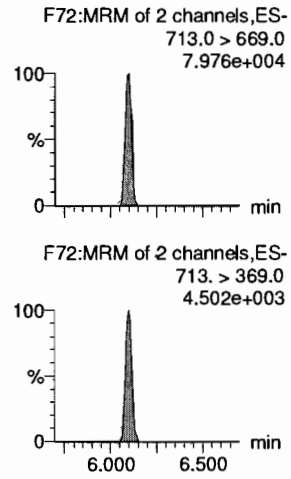

**PFTrDA**



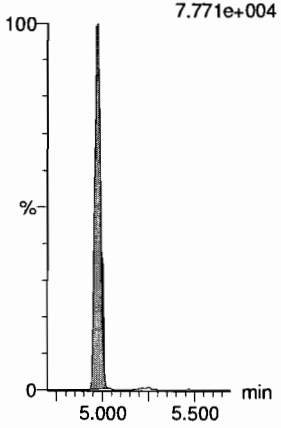

**PFDoS**



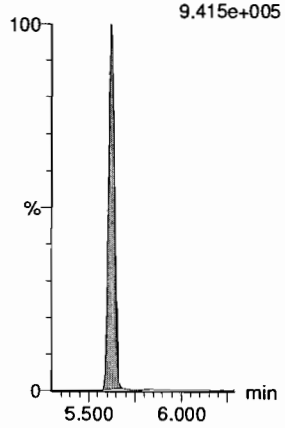

**PFTeDA**



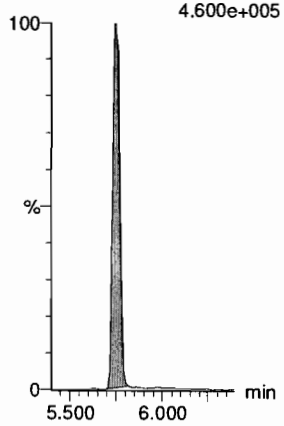

**13C2-8:2 FTS**



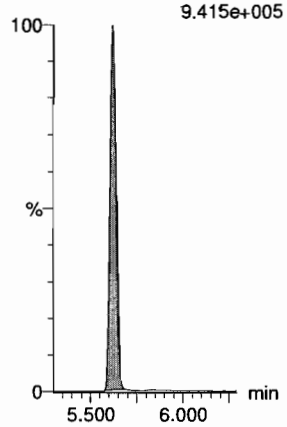

**13C2-PFDoA**



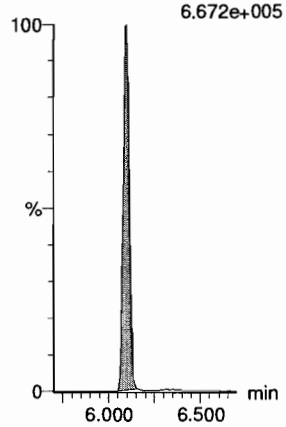

**d3-N-MeFOSA**



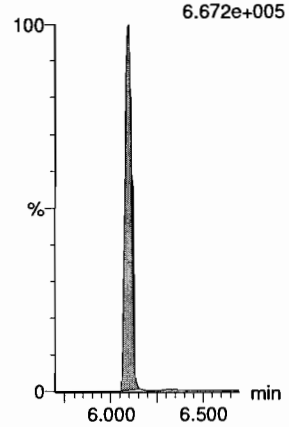

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

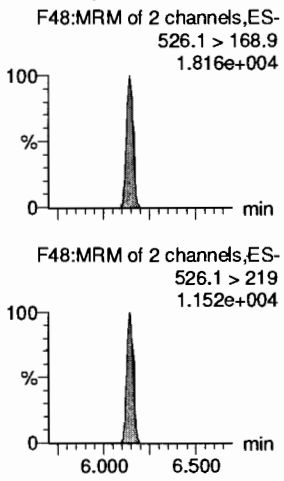


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

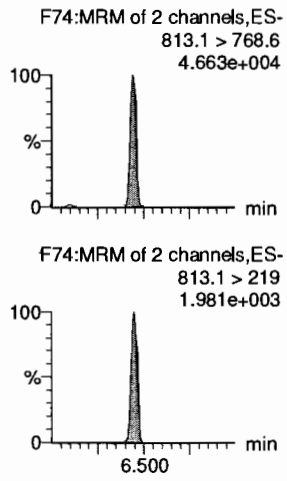
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

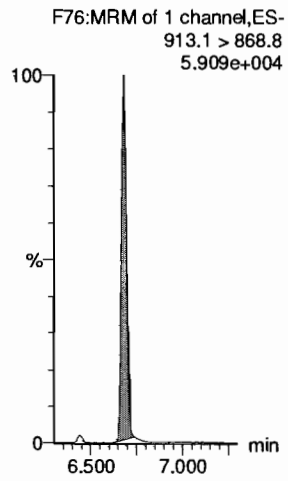
**N-EtFOSA**



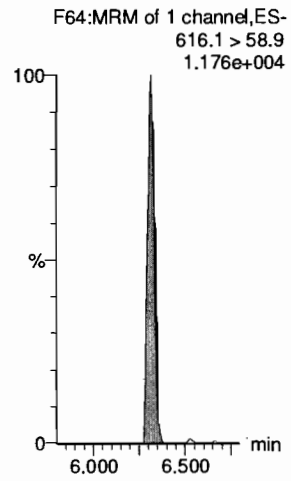

**PFHxDA**



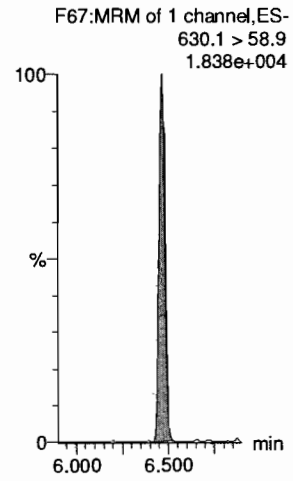

**PFODA**



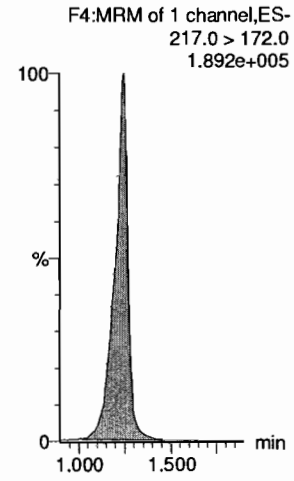

**N-MeFOSE**



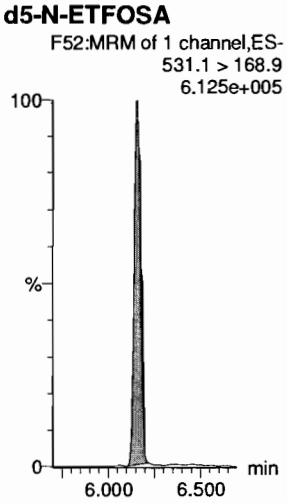

**N-EtFOSE**



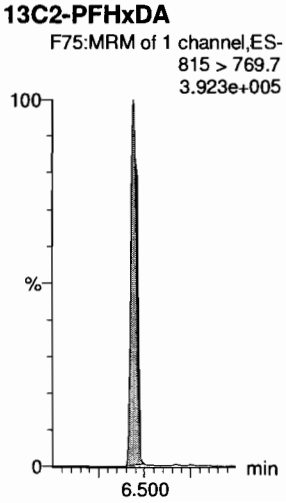

**13C4-PFBA**



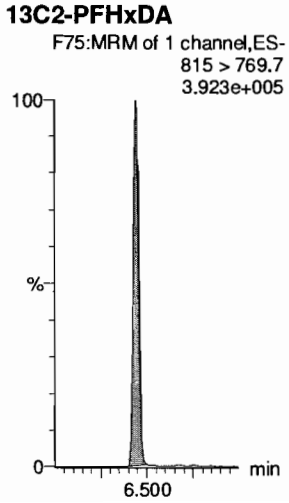

**d5-N-ETFOSA**



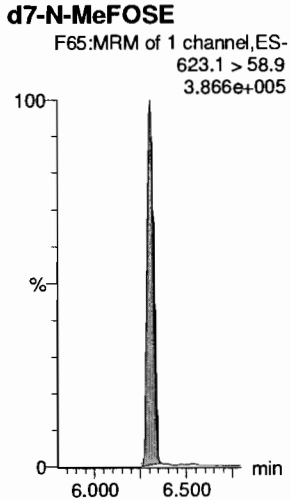

**13C2-PFHxDA**



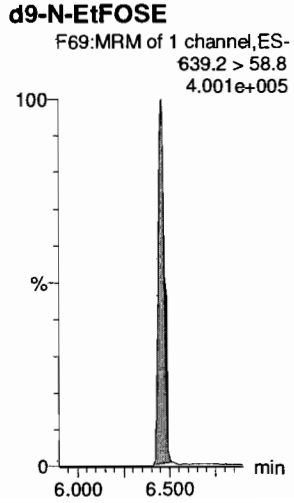

**13C2-PFHxDA**



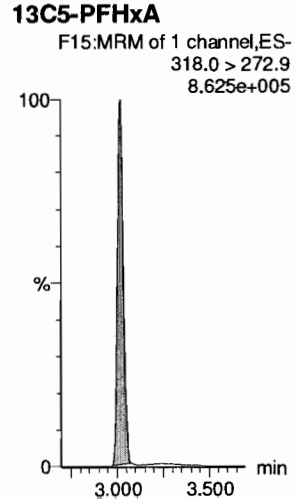

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

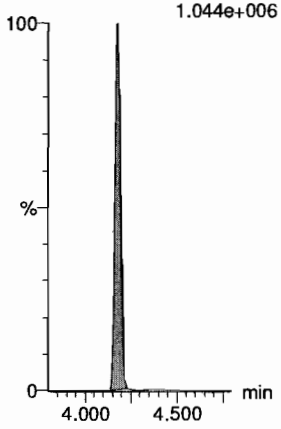


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

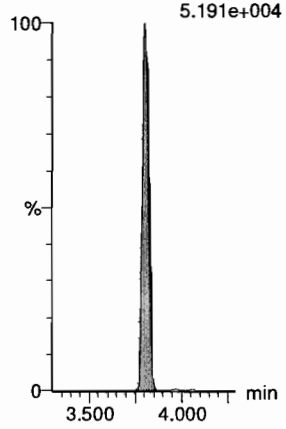
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_10, Date: 06-Aug-2019, Time: 12:05:44, ID: ST190806M1-3 PFC CS0 19G2303, Description: PFC CS0 19G2303**

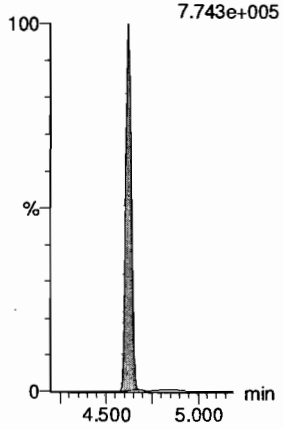
**13C8-PFOA**



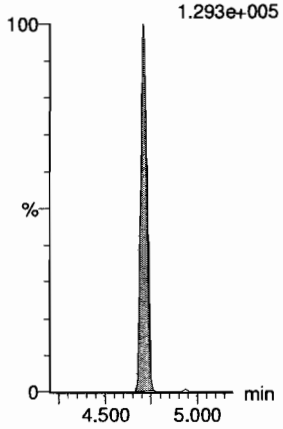

**18O2-PFHxS**



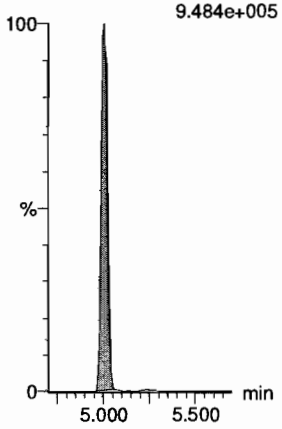

**13C9-PFNA**



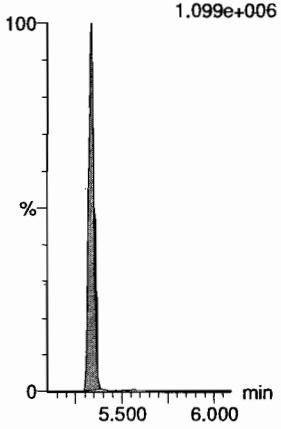

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

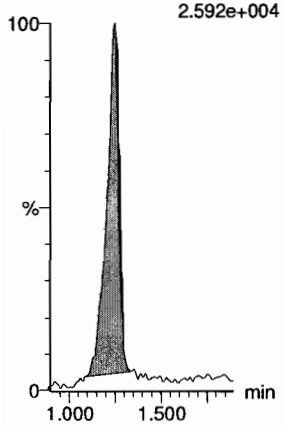


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

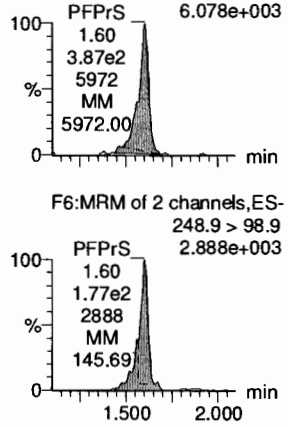
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

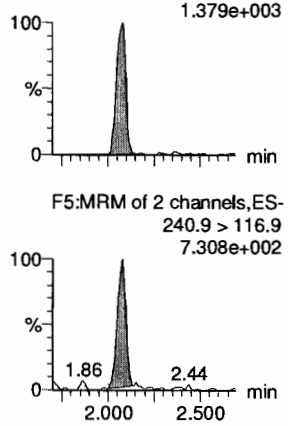
**PFBA**



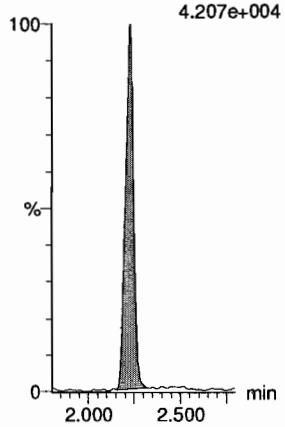

**PFPrS**



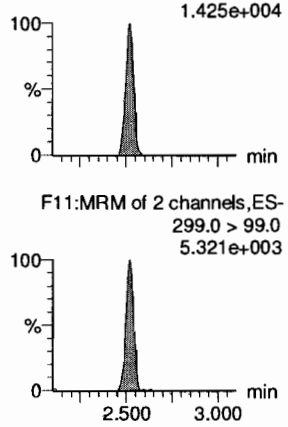

**3:3 FTCA**



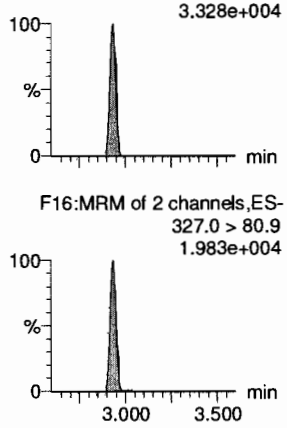

**PFPeA**



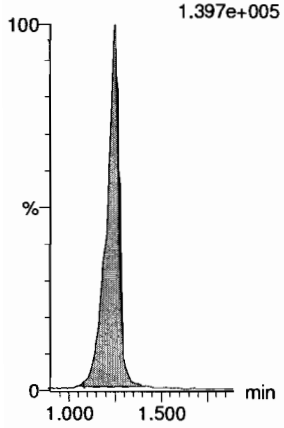

**PFBS**



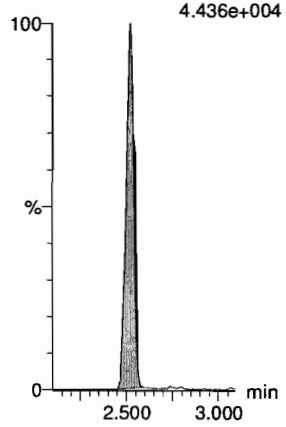

**4:2 FTS**



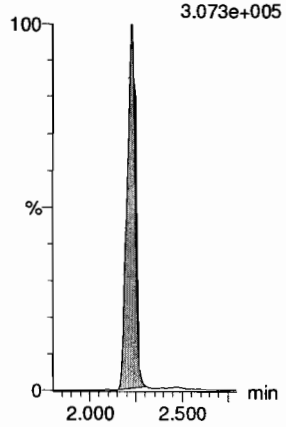

**13C3-PFBA**



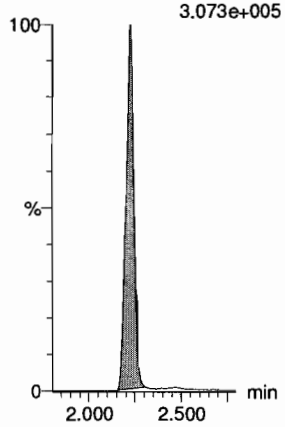

**13C3-PFBS**



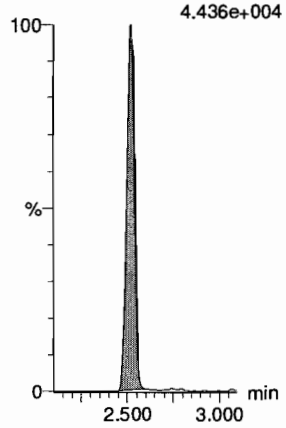

**13C3-PFPeA**



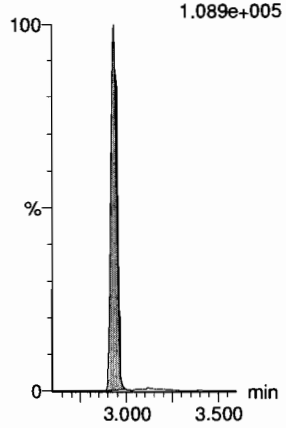

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

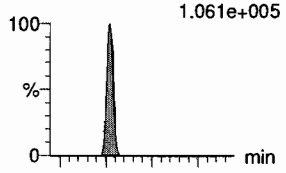


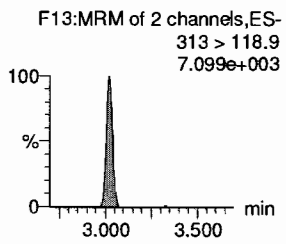
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

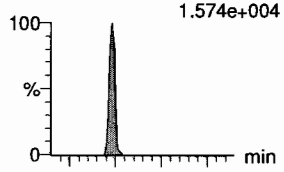
**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

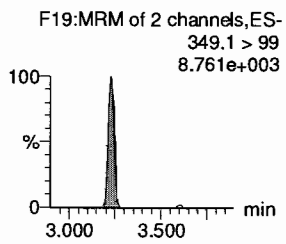
**PFHxA**



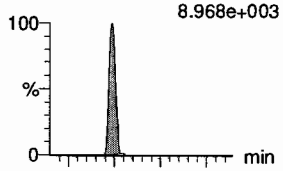



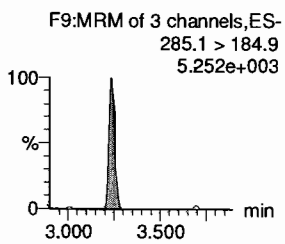

**PFPeS**



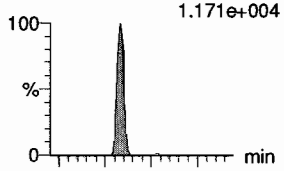



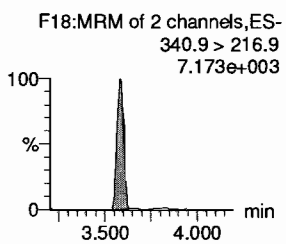

**HFPO-DA**



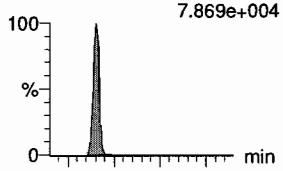



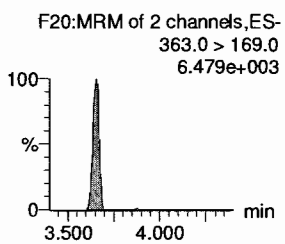

**5:3 FTCA**



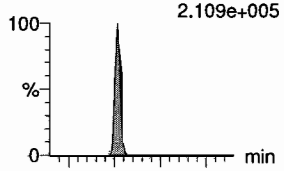



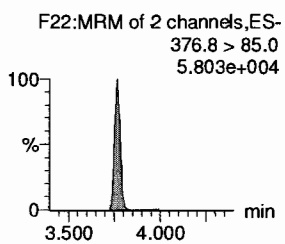

**PFHpA**



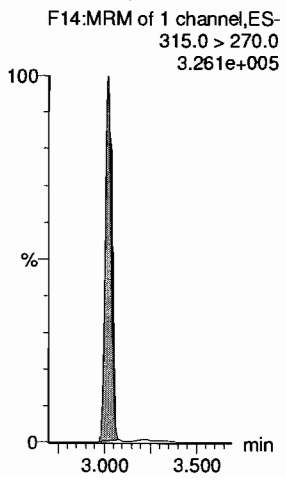




**ADONA**

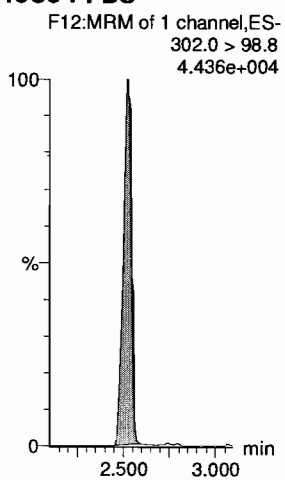


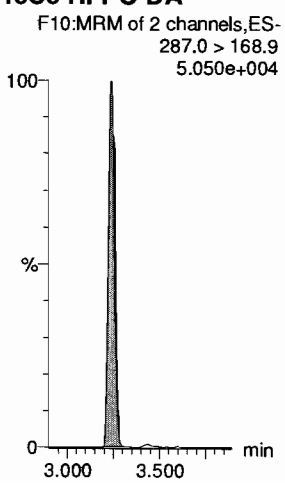

**13C2-PFHxA**



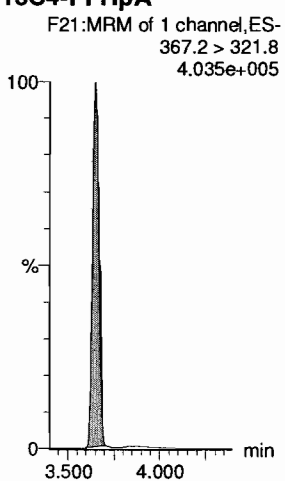

**13C3-PFBS**




**13C3-HFPO-DA**




**13C4-PFHpA**

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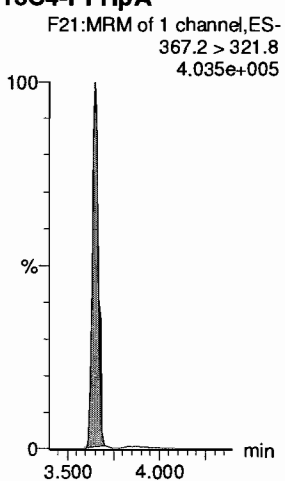


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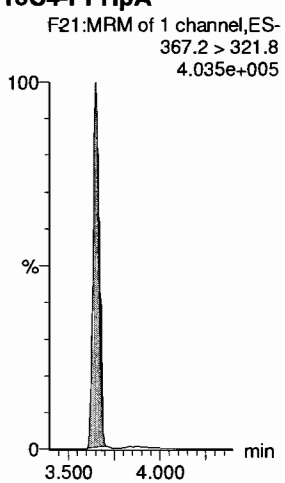
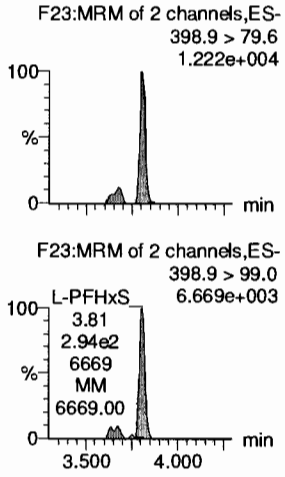


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

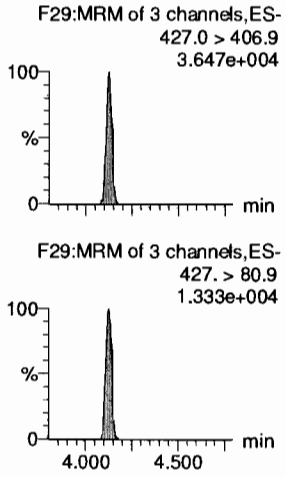
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

**L-PFHxS**




**6:2 FTS**

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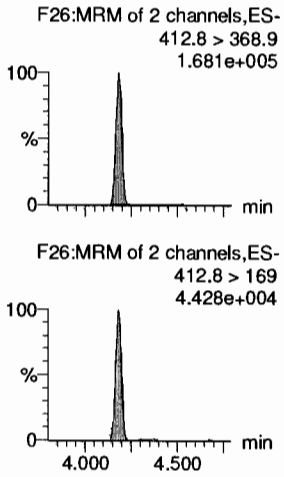
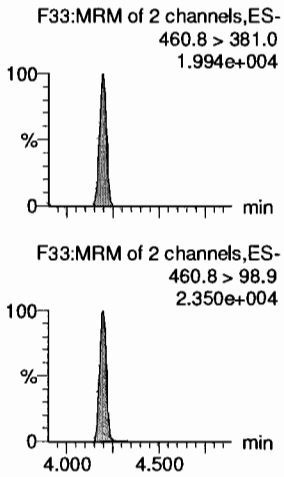
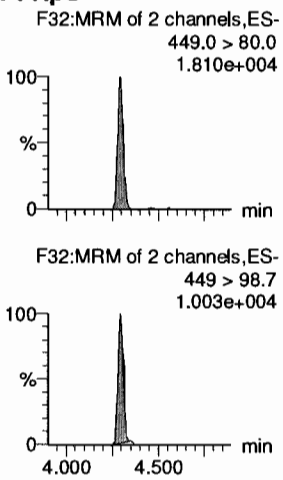


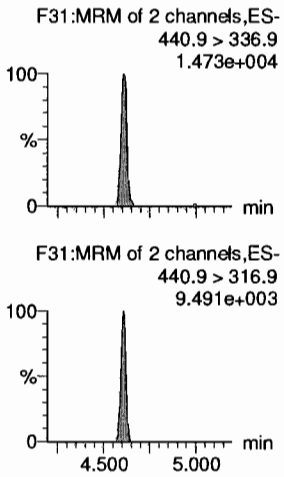

**PFEChS**



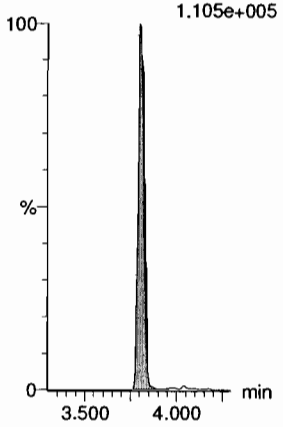

**PFHpS**



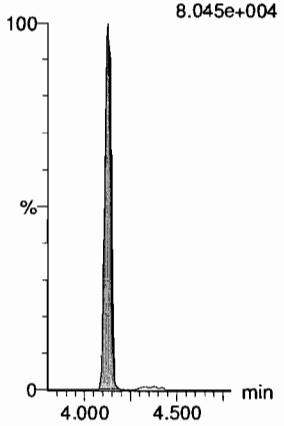

**7:3 FTCA**




**13C3-PFHxS**




**13C2-6:2 FTS**

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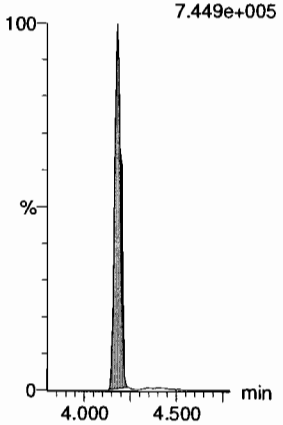
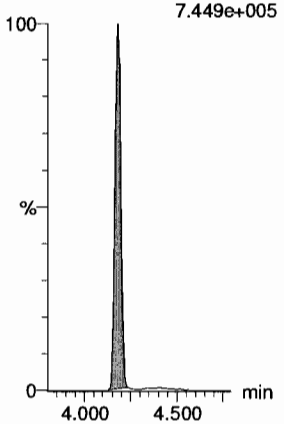
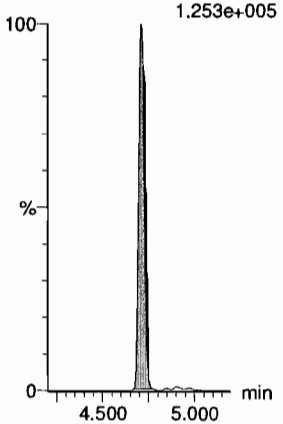


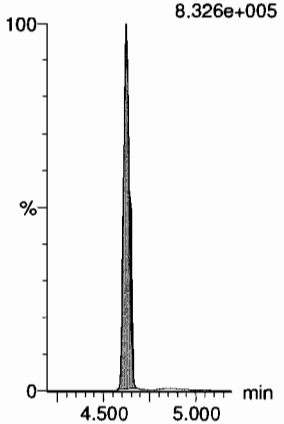

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

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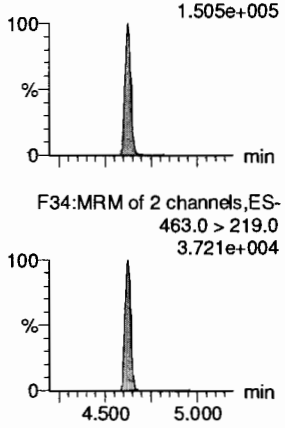
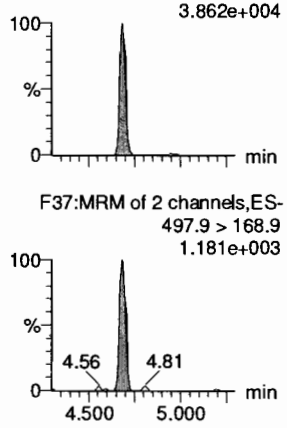
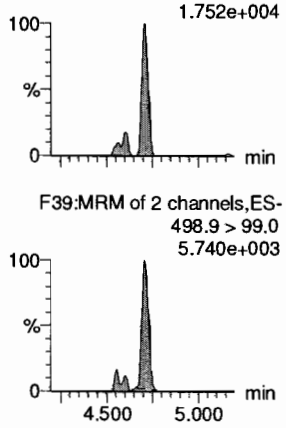


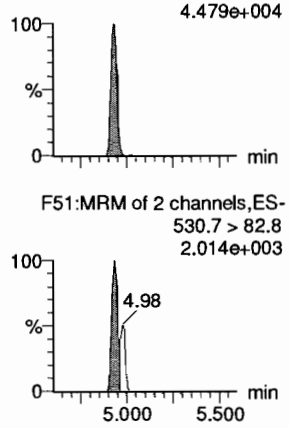

**PFOSA**



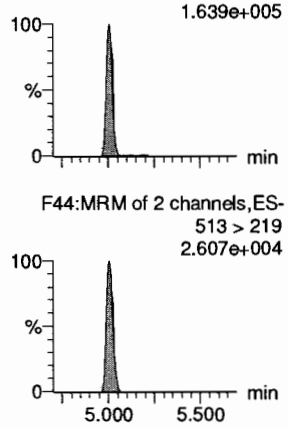

**L-PFOS**



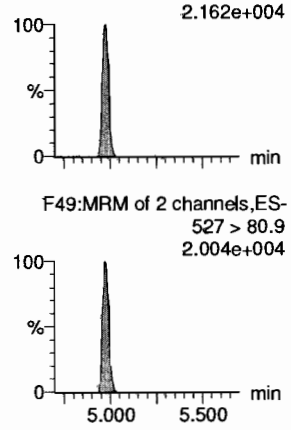

**9Cl-PF30NS**




**PFDA**




**8:2 FTS**

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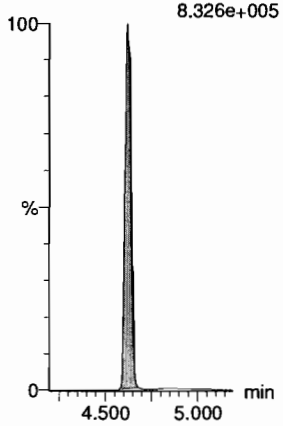
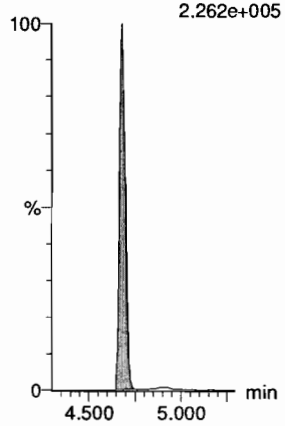
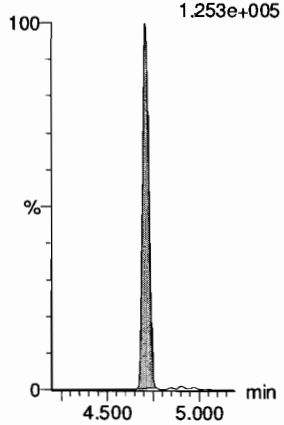


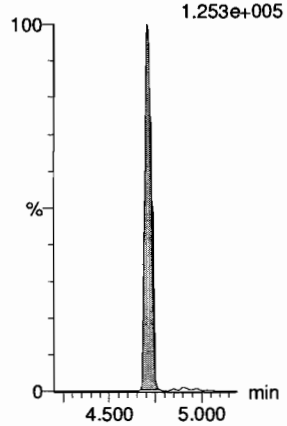

**13C8-PFOSA**



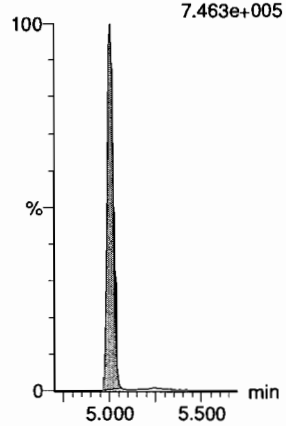

**13C8-PFOS**



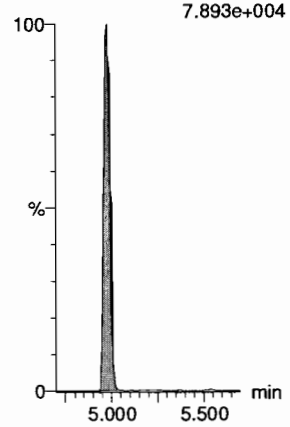

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

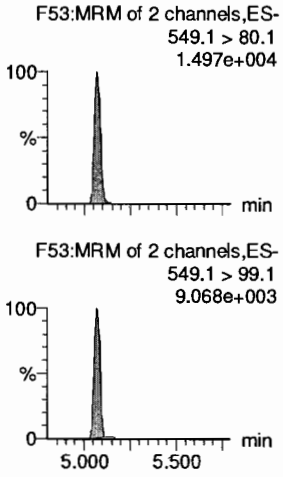


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

**PFNS**

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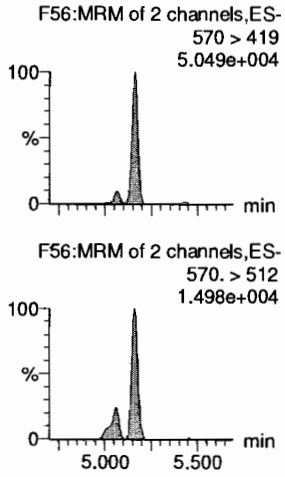
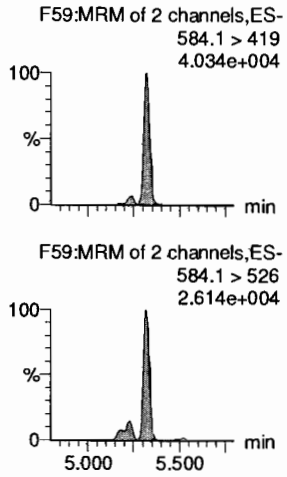
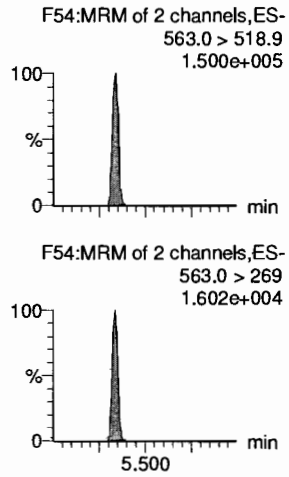


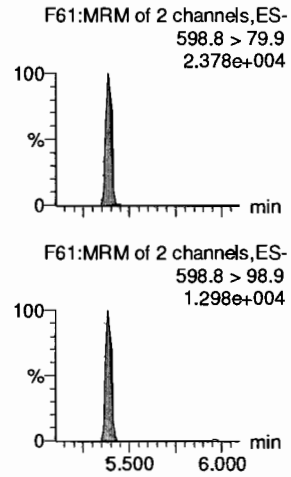

**L-EtFOSAA**



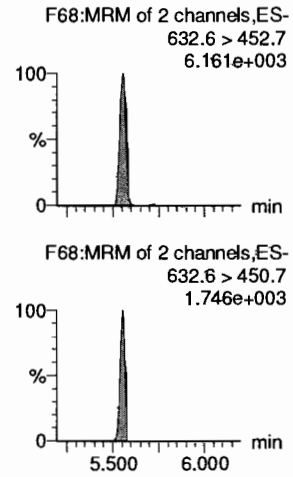

**PFUdA**



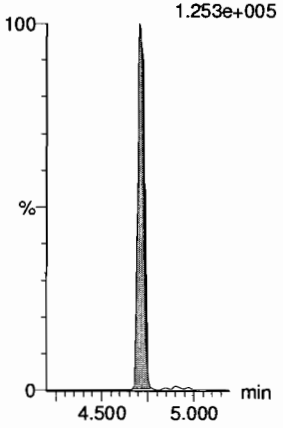

**PFDS**



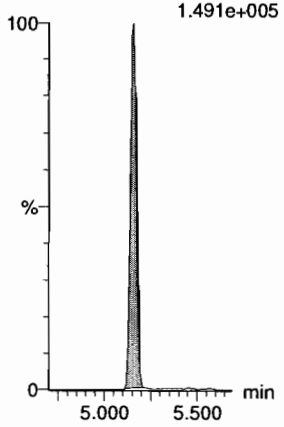

**11Cl-PF30UdS**



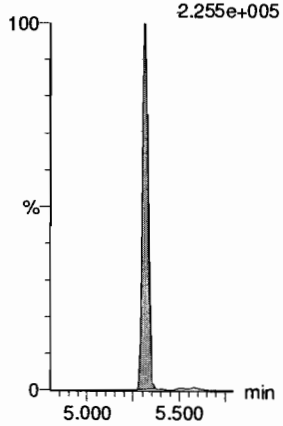

**13C8-PFOS**



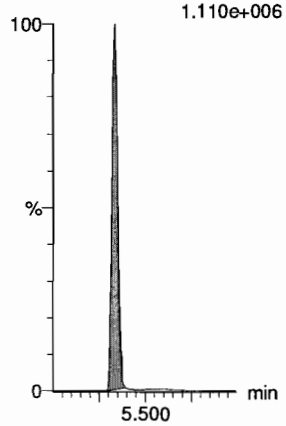

**d3-N-MeFOSAA**



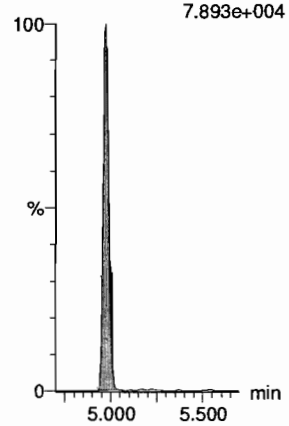

**d5-N-EtFOSAA**



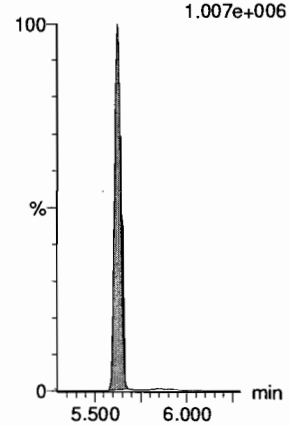

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

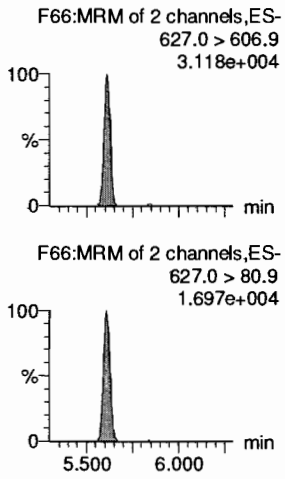


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

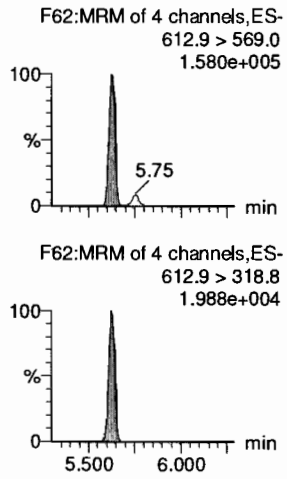
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

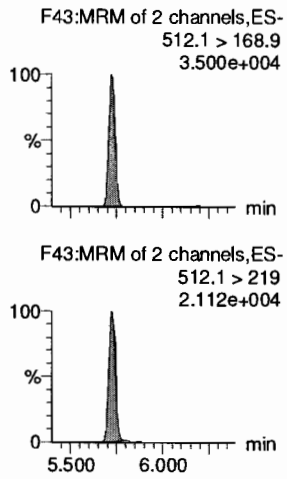
**10:2 FTS**



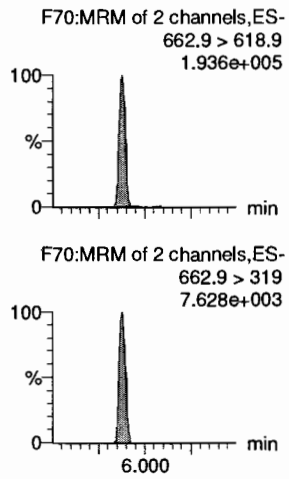

**PFDoA**



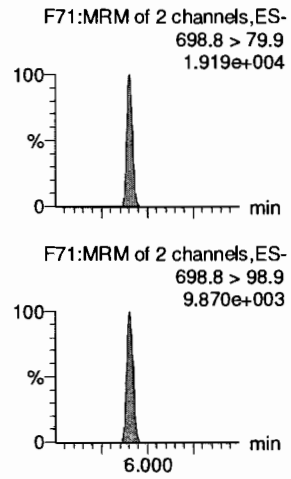

**N-MeFOSA**



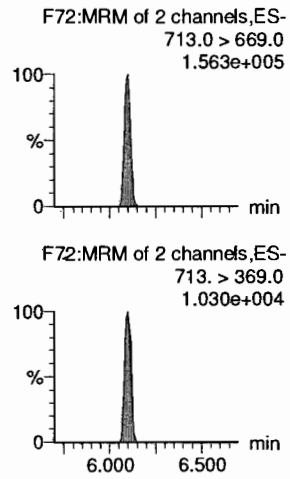

**PFTrDA**



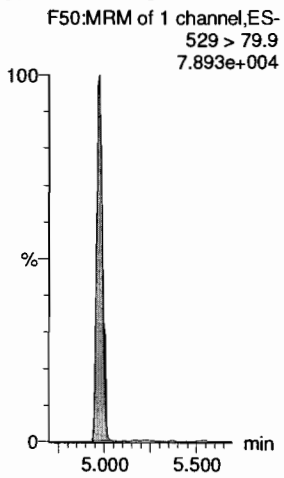

**PFDoS**



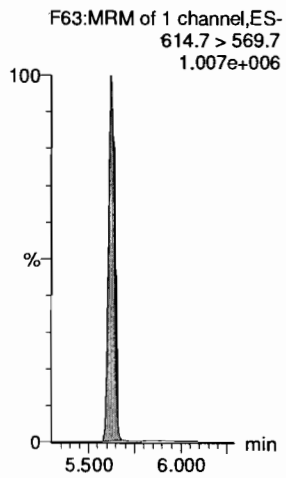

**PFTeDA**



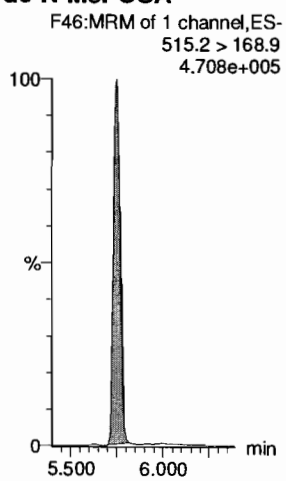

**13C2-8:2 FTS**



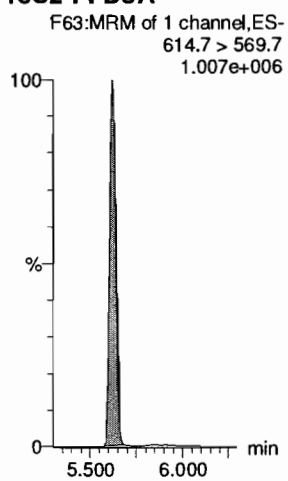

**13C2-PFDoA**



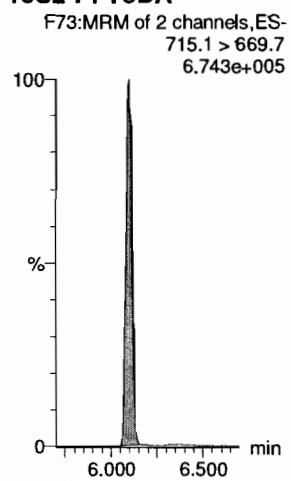

**d3-N-MeFOSA**



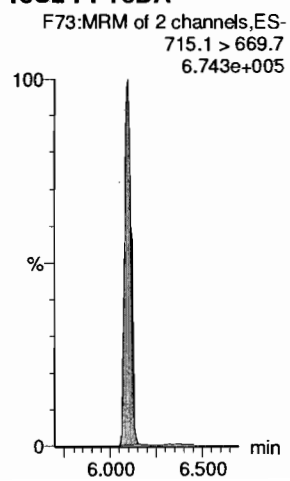

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

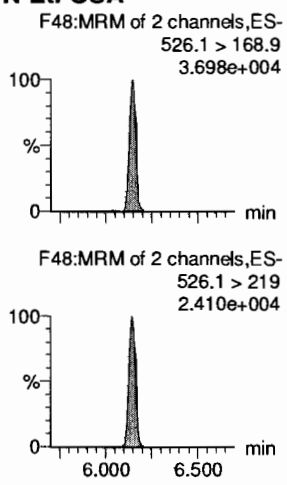


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

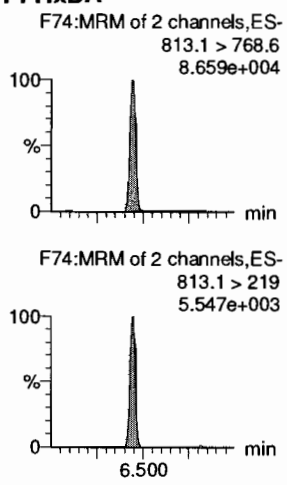
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

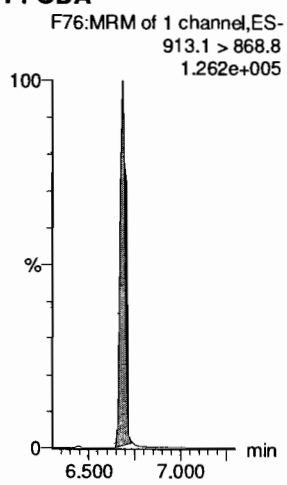
**N-EtFOSA**



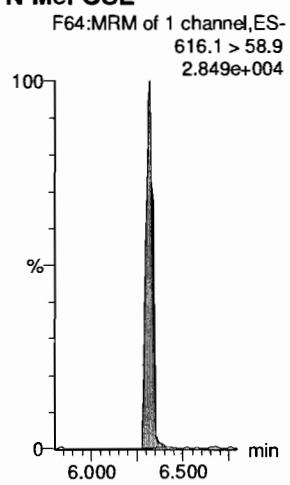

**PFHxDA**



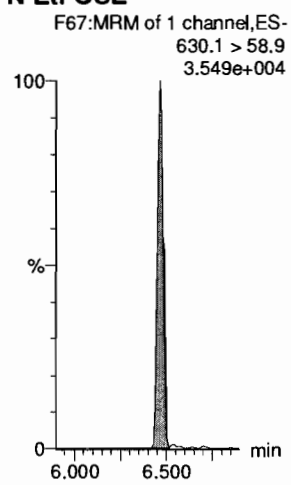

**PFODA**



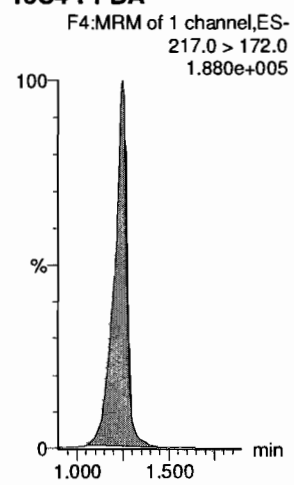

**N-MeFOSE**



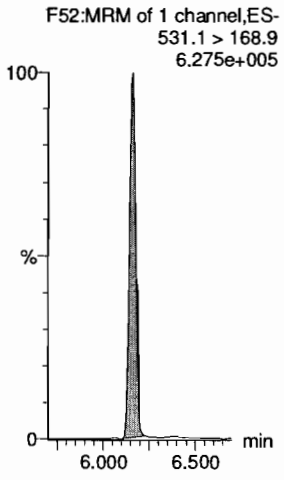

**N-EtFOSE**



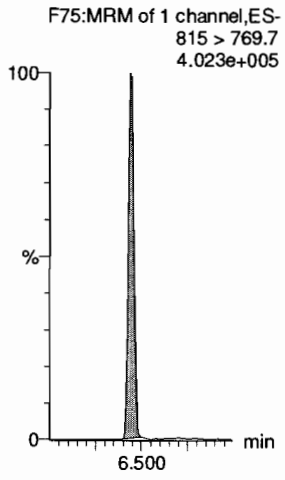

**13C4-PFBA**



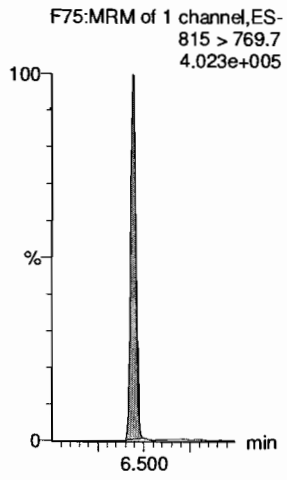

**d5-N-ETFOSA**



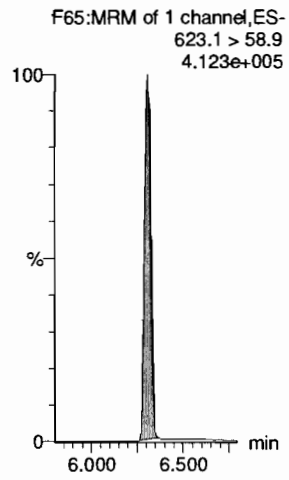

**13C2-PFHxDA**



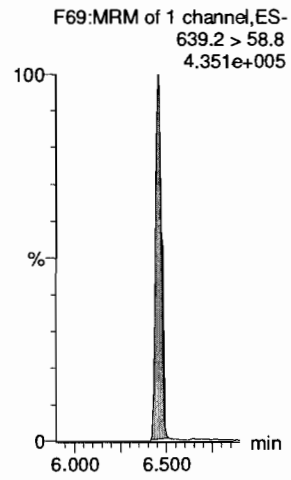

**13C2-PFHxDA**



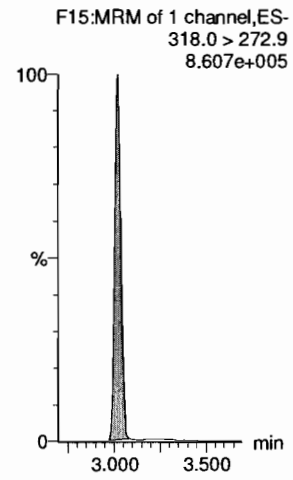

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

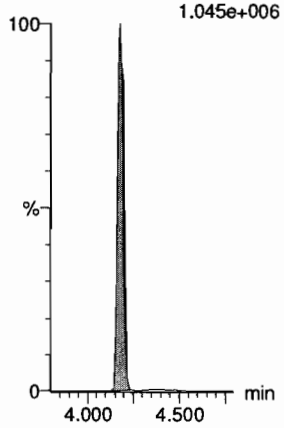


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

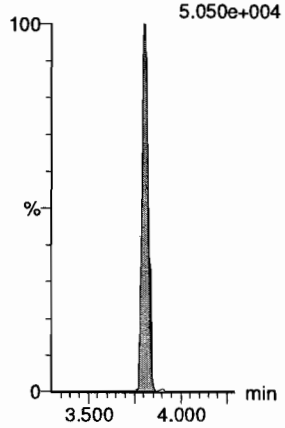
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_11, Date: 06-Aug-2019, Time: 12:16:22, ID: ST190806M1-4 PFC CS1 19G2304, Description: PFC CS1 19G2304**

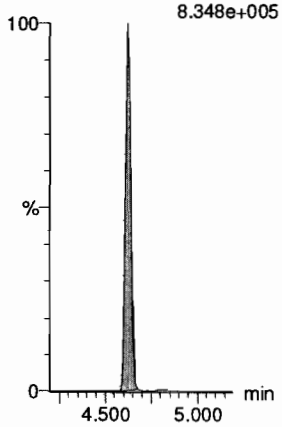
**13C8-PFOA**



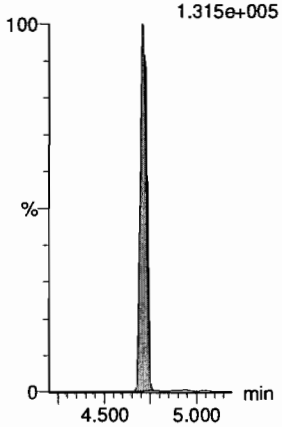

**18O2-PFHxS**



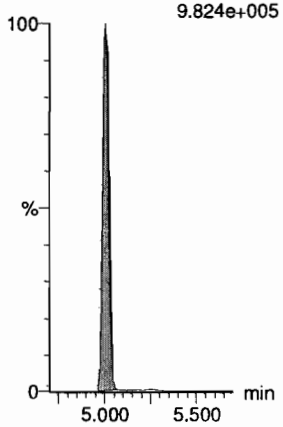

**13C9-PFNA**



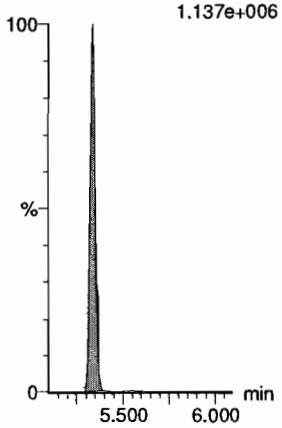

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

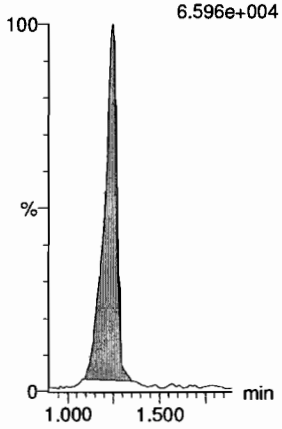


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

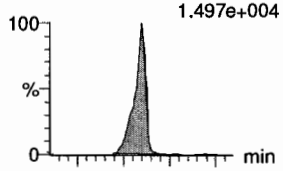
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

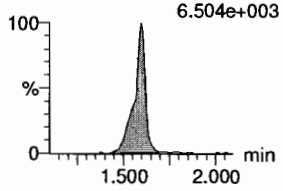
**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
6.596e+004



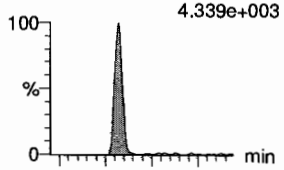

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
1.497e+004



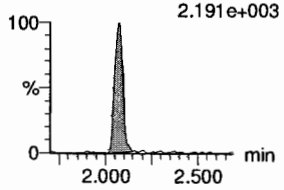

F6:MRM of 2 channels,ES-
248.9 > 98.9
6.504e+003



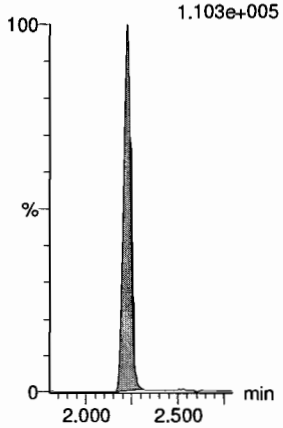

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
4.339e+003



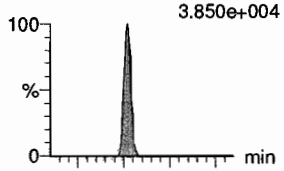

F5:MRM of 2 channels,ES-
240.9 > 116.9
2.191e+003



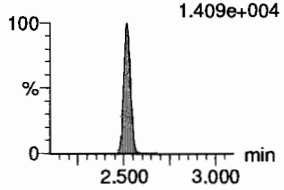

**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
1.103e+005



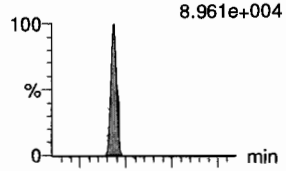

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
3.850e+004



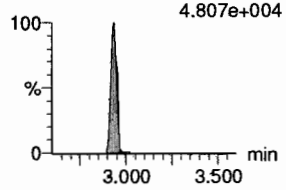

F11:MRM of 2 channels,ES-
299.0 > 99.0
1.409e+004



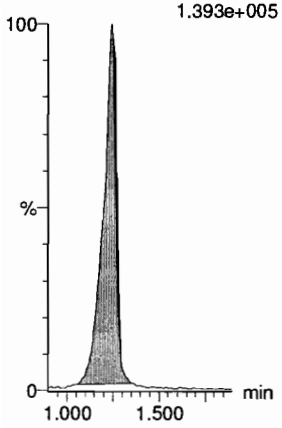

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
8.961e+004



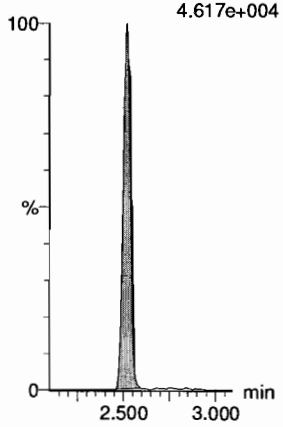

F16:MRM of 2 channels,ES-
327.0 > 80.9
4.807e+004



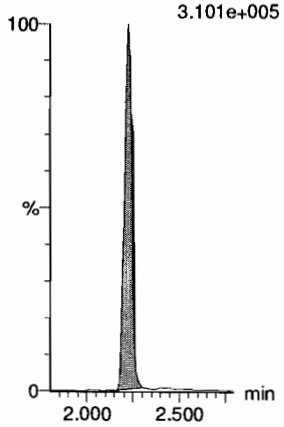

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
1.393e+005



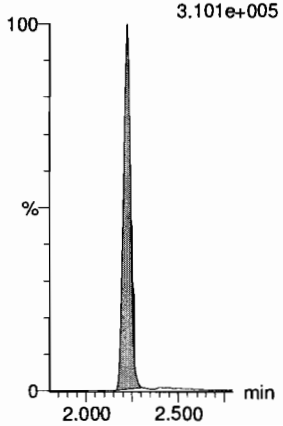

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
4.617e+004



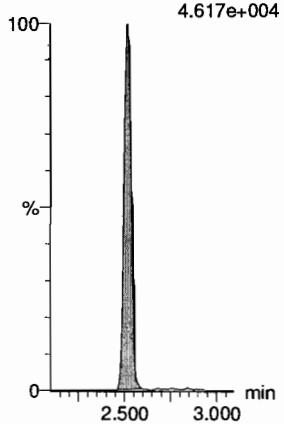

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
3.101e+005



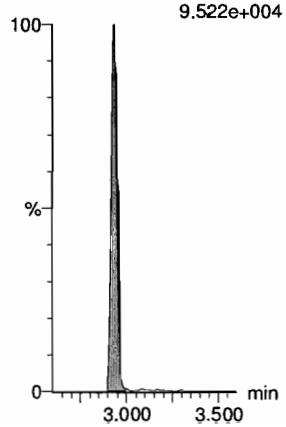

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
3.101e+005




**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
4.617e+004




**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
9.522e+004

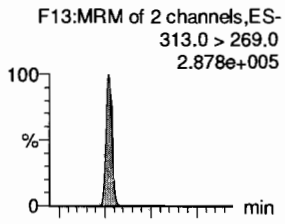


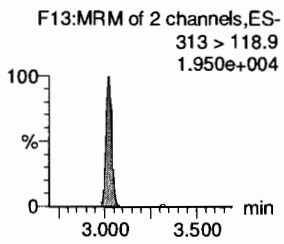
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

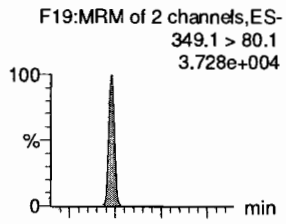
**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

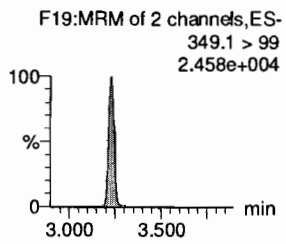
**PFHxA**



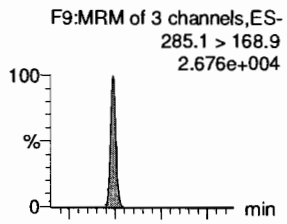



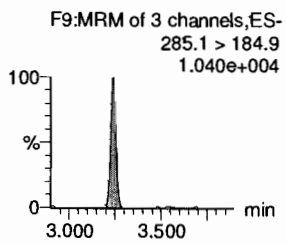

**PFPeS**



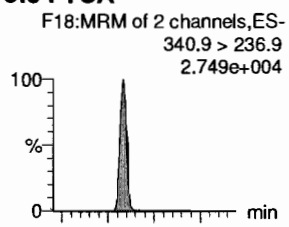



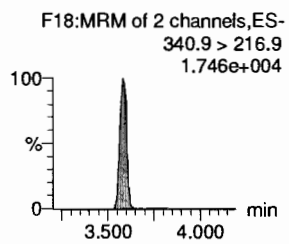

**HFPO-DA**



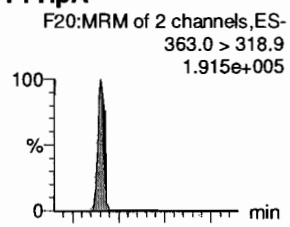



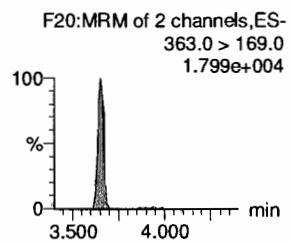

**5:3 FTCA**




**PFHpA**

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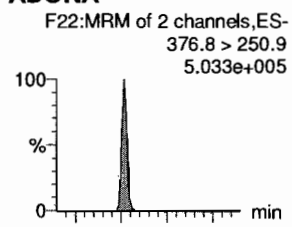
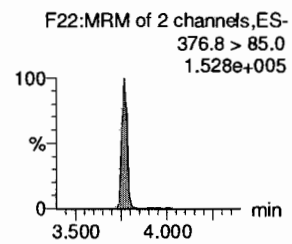
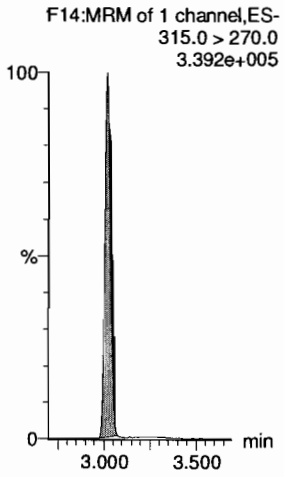
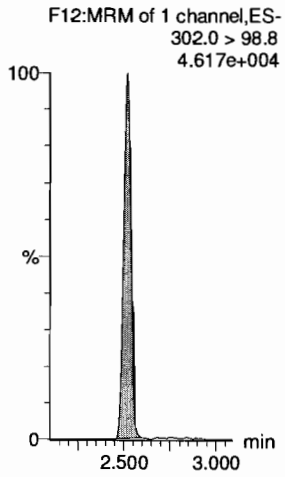



**13C2-PFHxA**




**13C3-PFBS**

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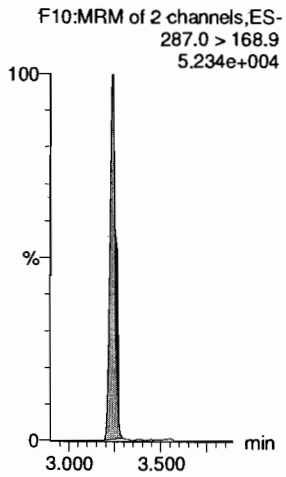


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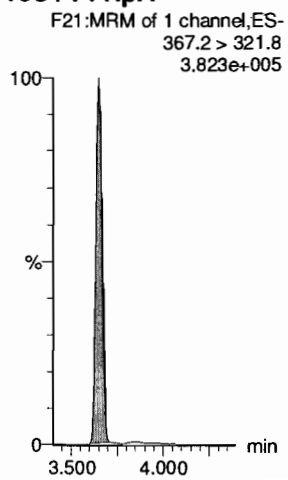


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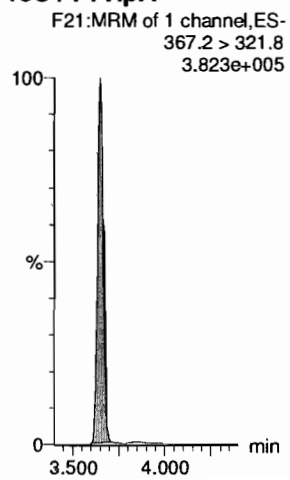


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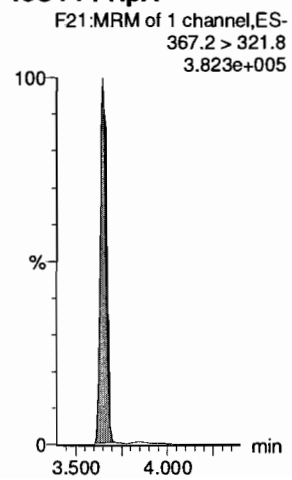

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

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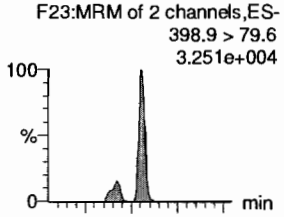
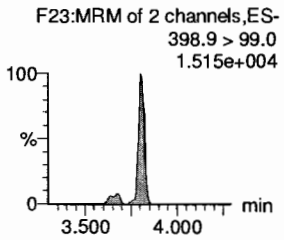
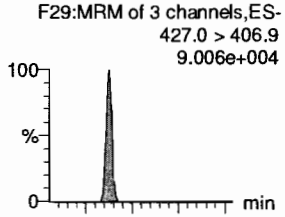
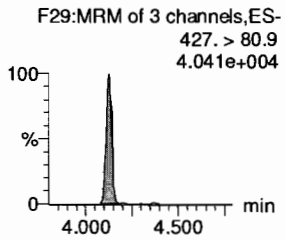



**6:2 FTS**

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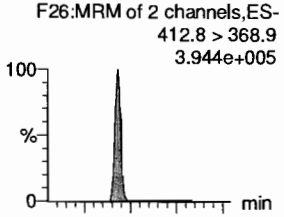


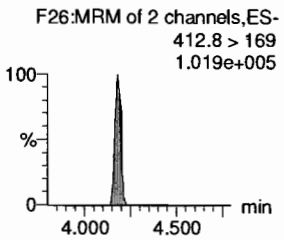


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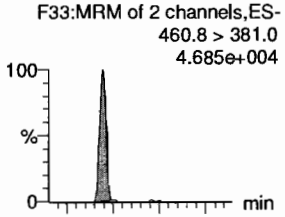


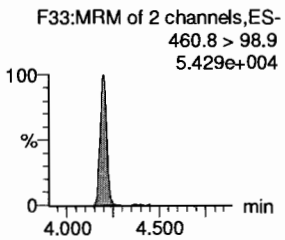


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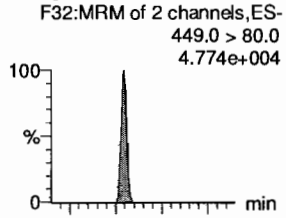
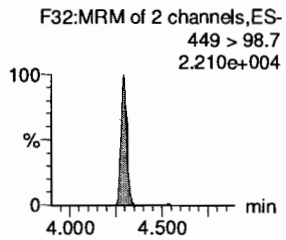
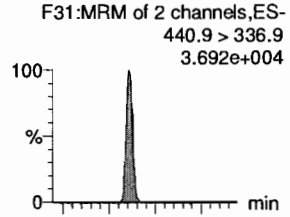
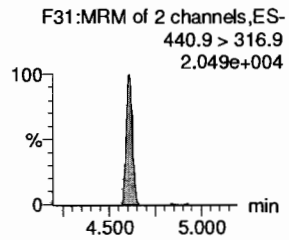


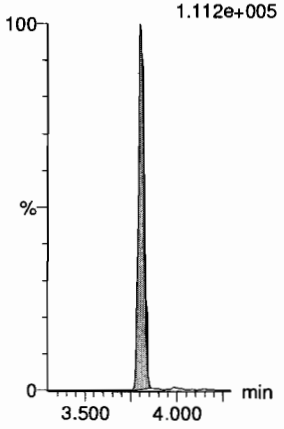




**7:3 FTCA**

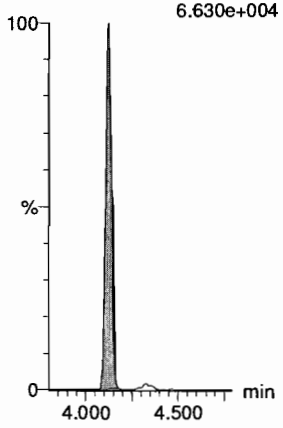


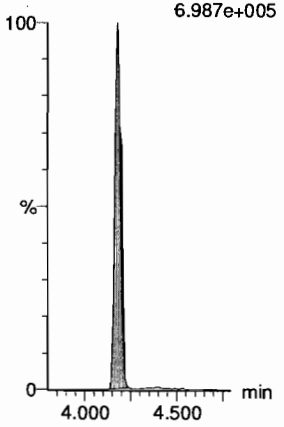

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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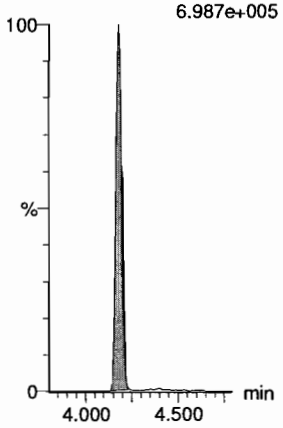
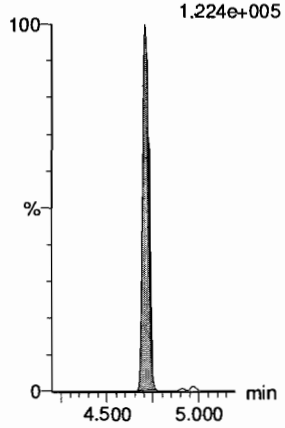



**13C8-PFOS**

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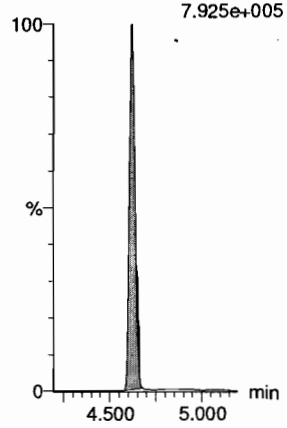

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Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

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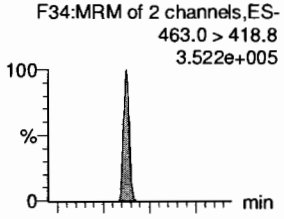


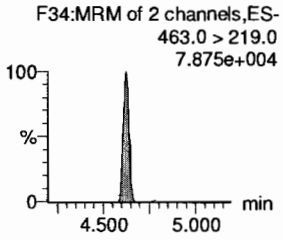


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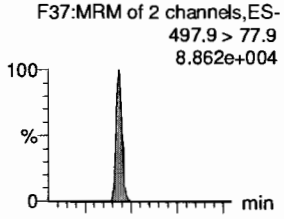
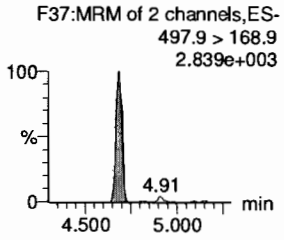
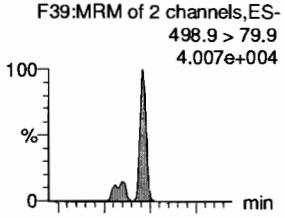
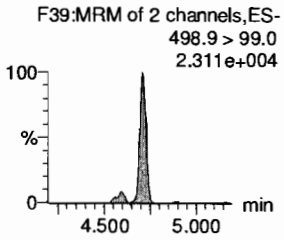



**L-PFOS**

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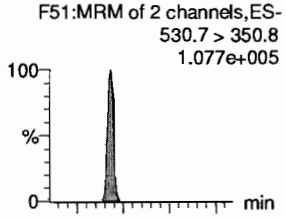


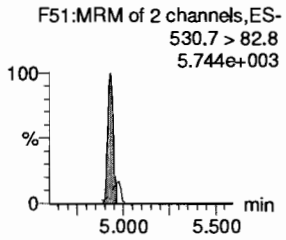


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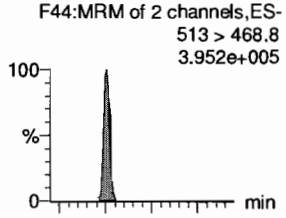
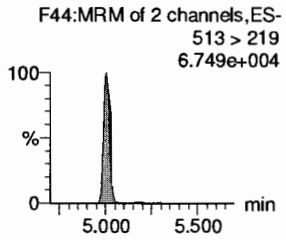
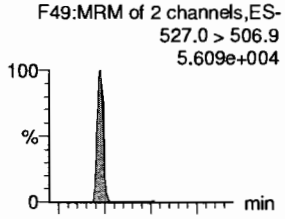
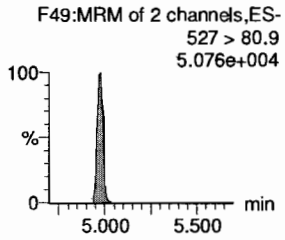


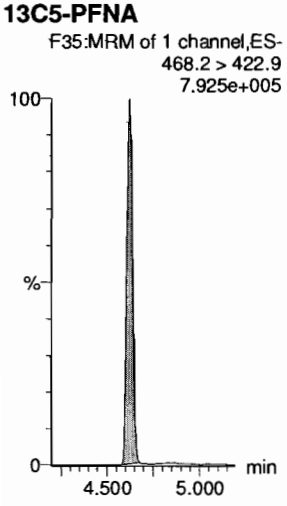




**8:2 FTS**

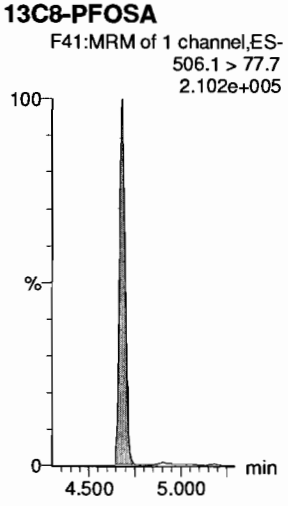



**13C5-PFNA**




**13C8-PFOSA**

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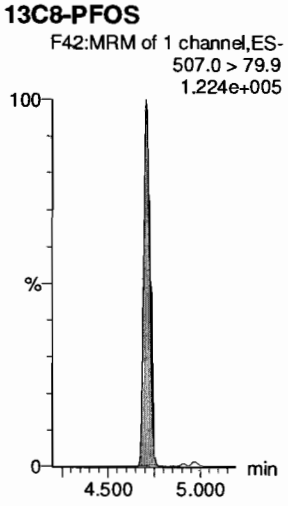


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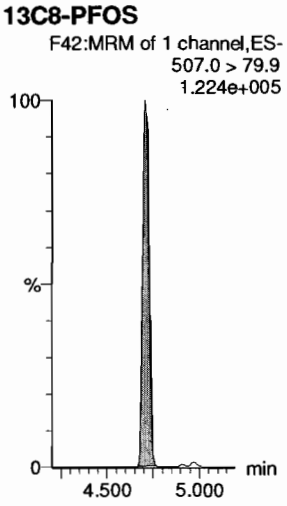


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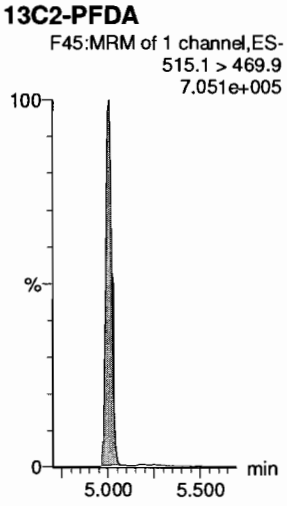


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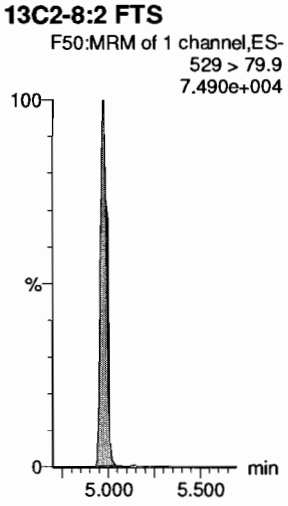

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

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Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

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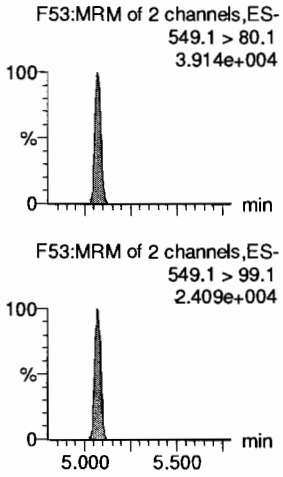
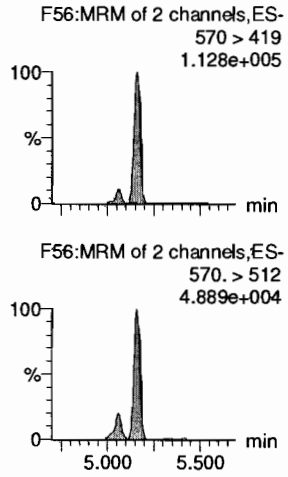



**L-MeFOSAA**

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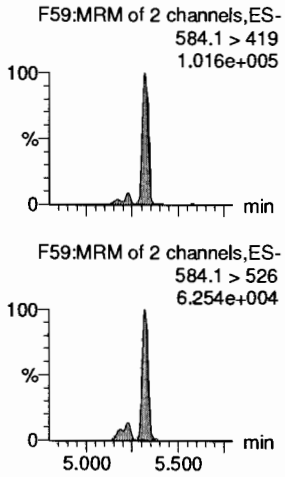


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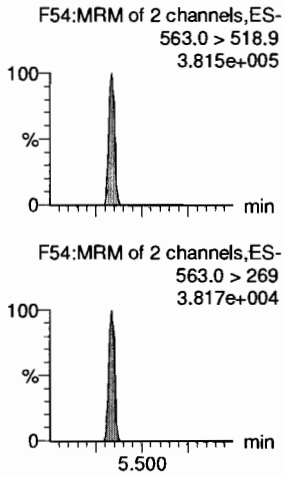
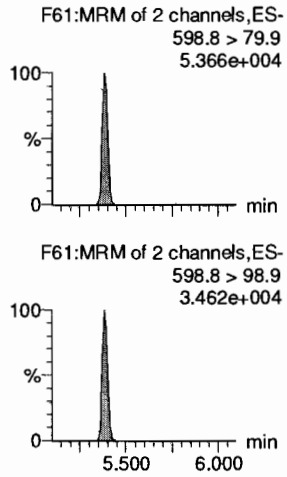
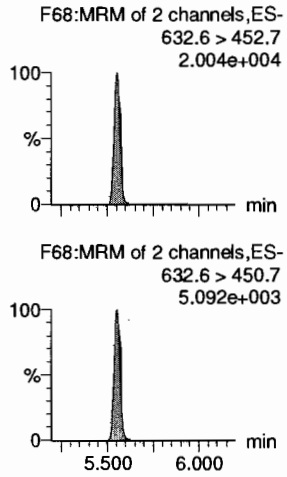


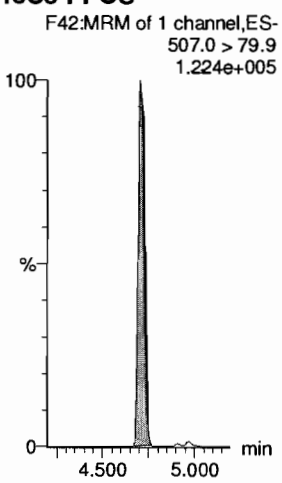

**PFDS**



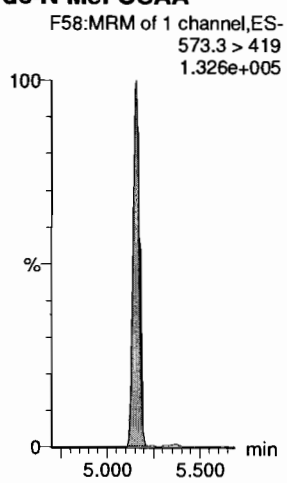

**11Cl-PF30UdS**



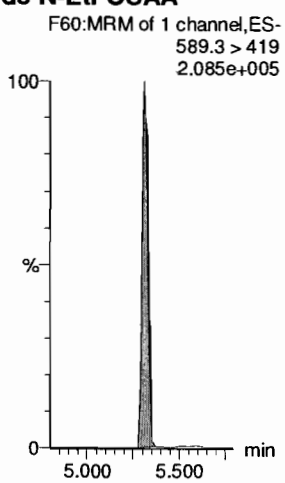

**13C8-PFOS**



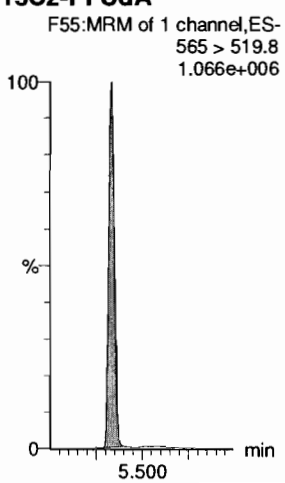

**d3-N-MeFOSAA**



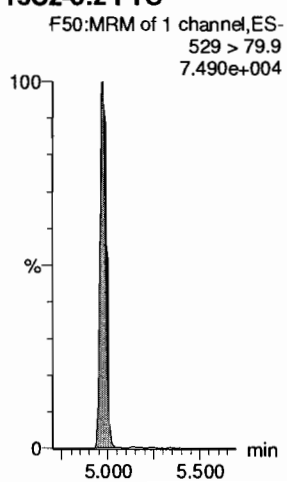

**d5-N-EtFOSAA**



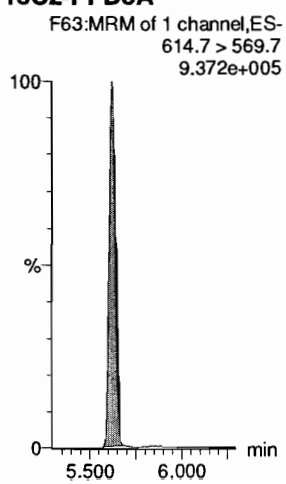

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

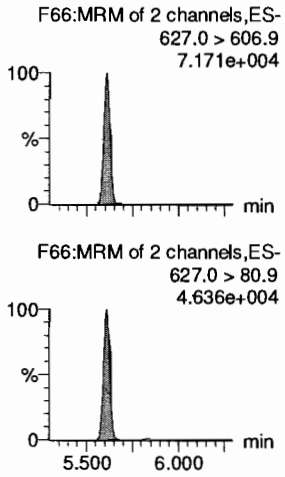


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

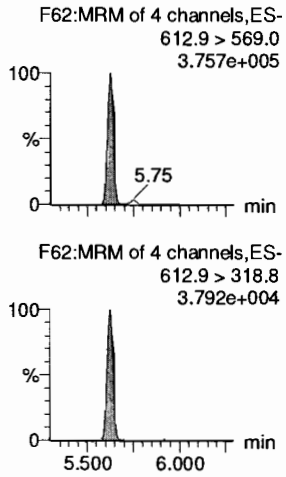
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

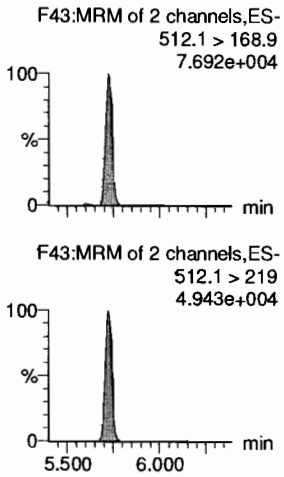
**10:2 FTS**



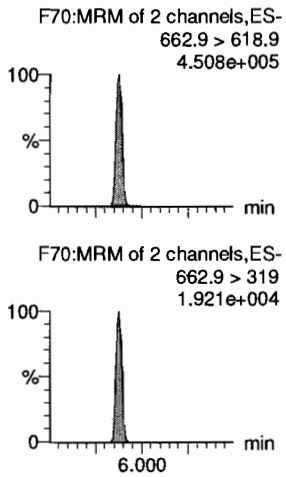

**PFDoA**



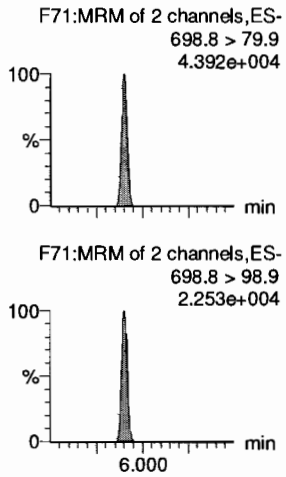

**N-MeFOSA**



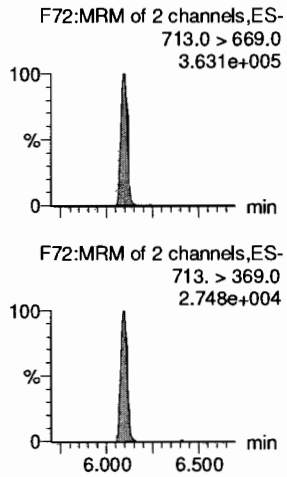

**PFTrDA**



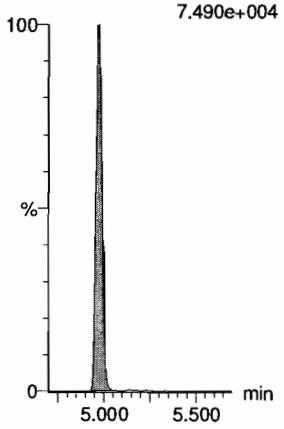

**PFDoS**



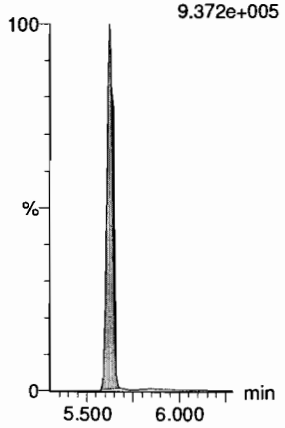

**PFTeDA**



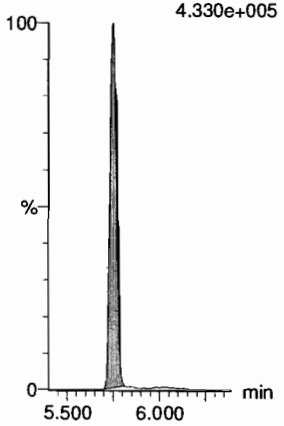

**13C2-8:2 FTS**



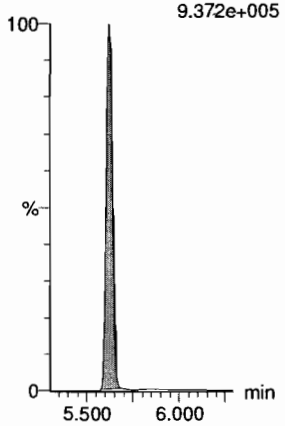

**13C2-PFDoA**



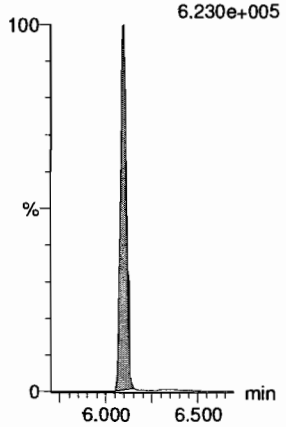

**d3-N-MeFOSA**



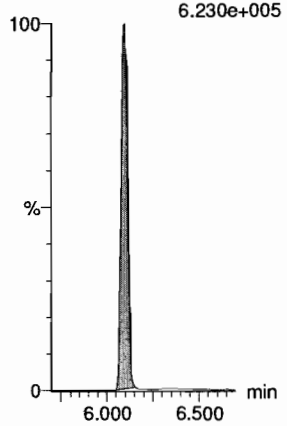

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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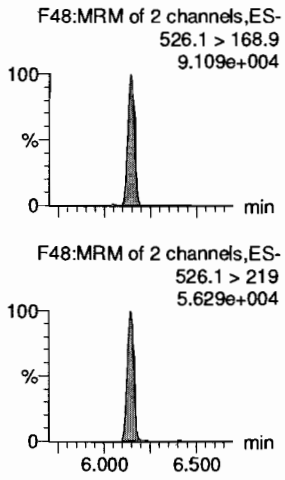
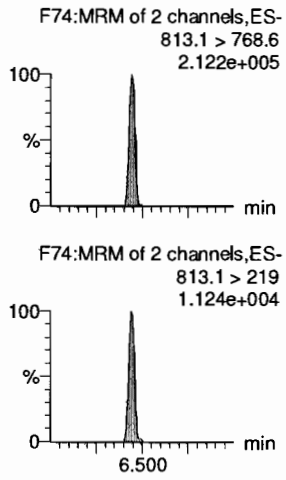
**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

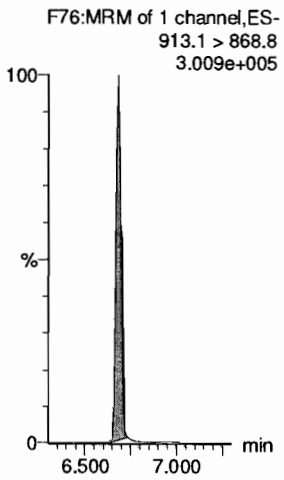
**N-EtFOSA**



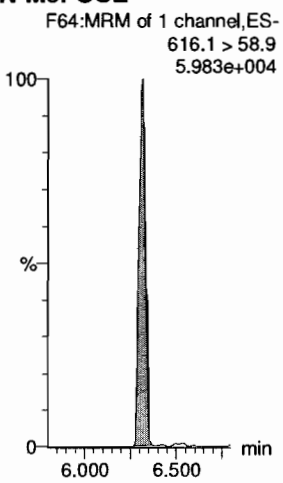

**PFHxDA**



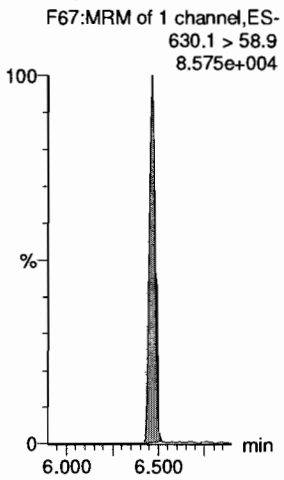

**PFODA**



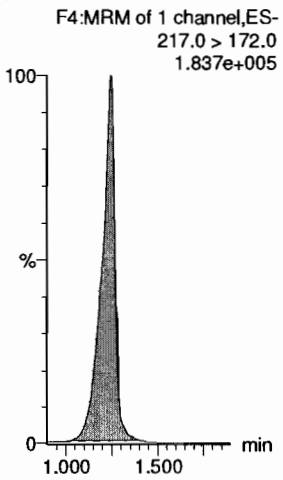

**N-MeFOSE**



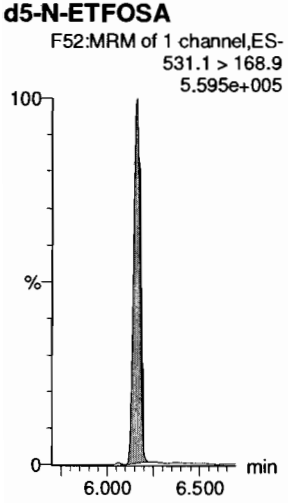

**N-EtFOSE**



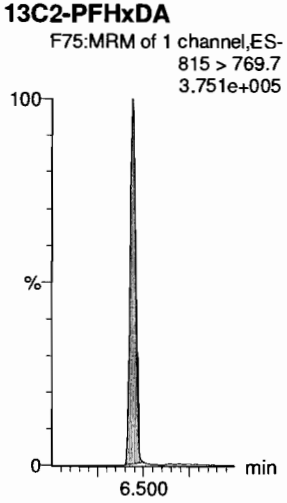

**13C4-PFBA**



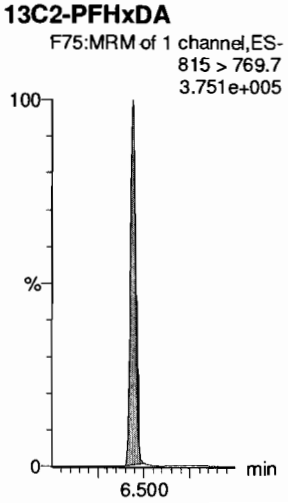

**d5-N-ETFOSA**



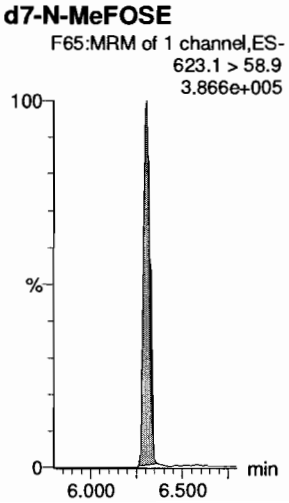

**13C2-PFHxDA**



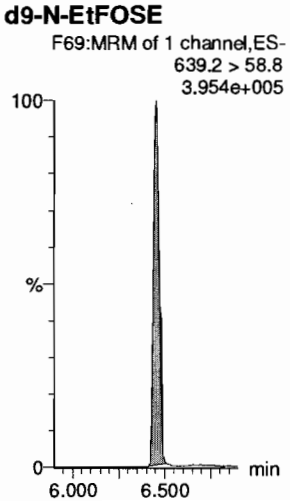

**13C2-PFHxDA**



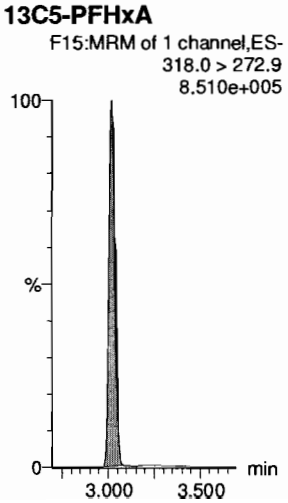

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

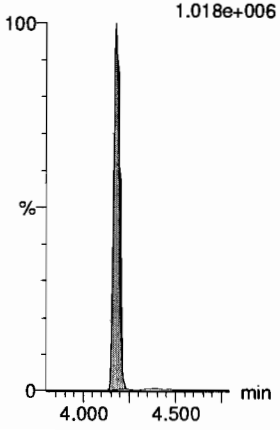


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

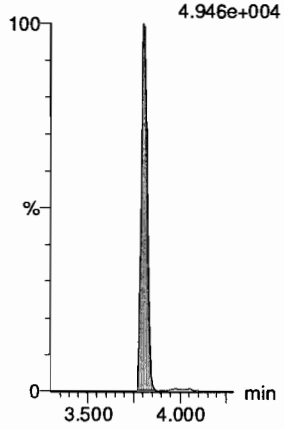
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_12, Date: 06-Aug-2019, Time: 12:26:55, ID: ST190806M1-5 PFC CS2 19G2305, Description: PFC CS2 19G2305**

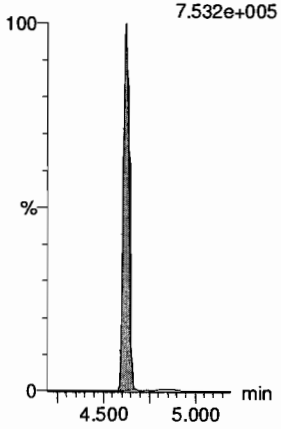
**13C8-PFOA**



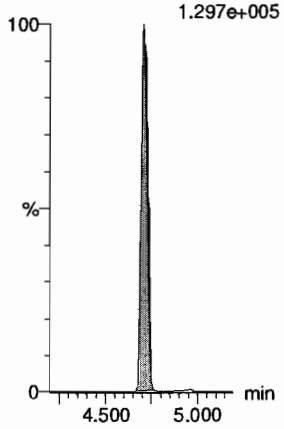

**18O2-PFHxS**



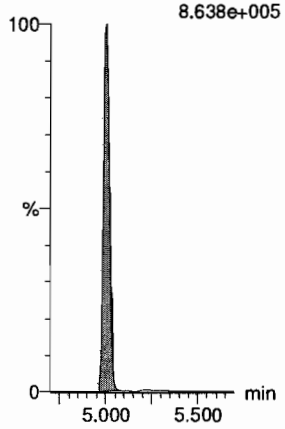

**13C9-PFNA**



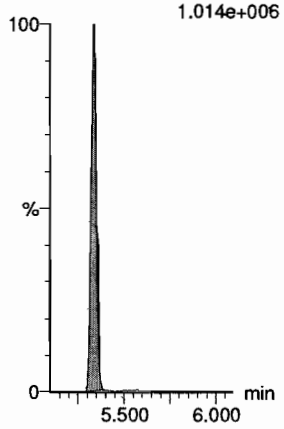

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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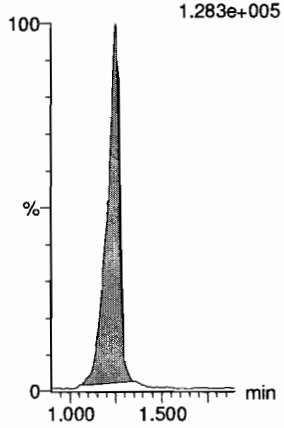
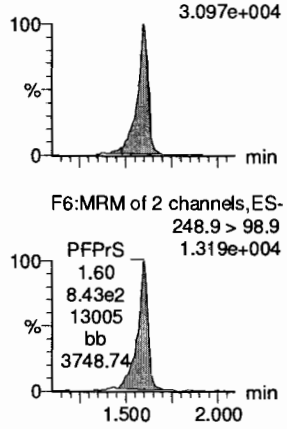
**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

**PFBA**



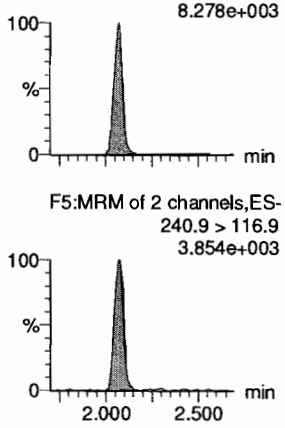

**PFPrS**







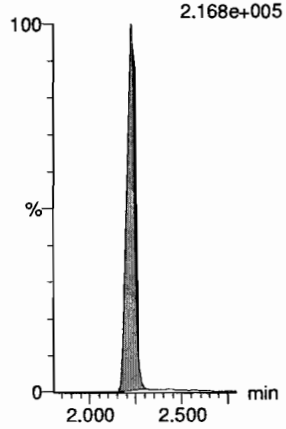
**3:3 FTCA**



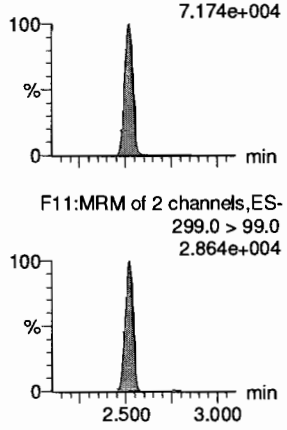




**PFPeA**



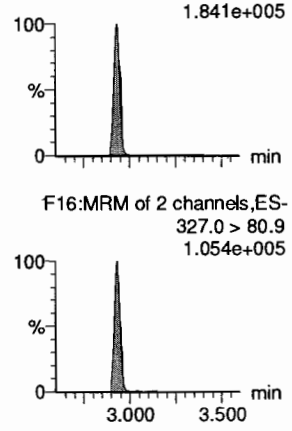

**PFBS**







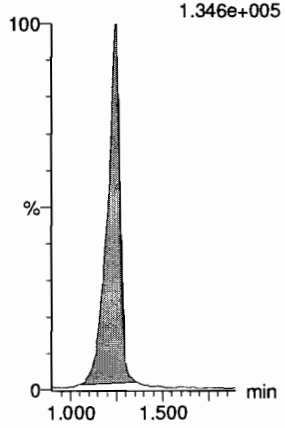
**4:2 FTS**



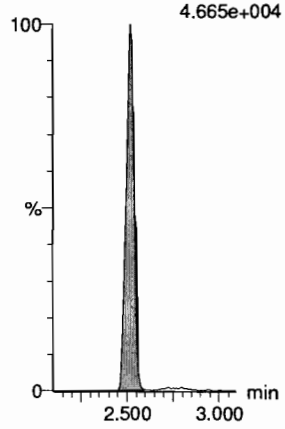




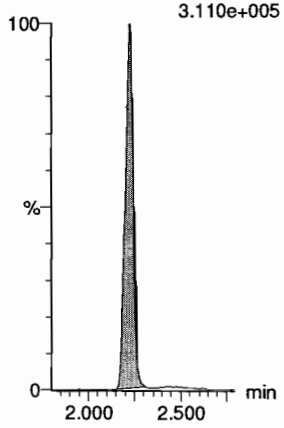
**13C3-PFBA**



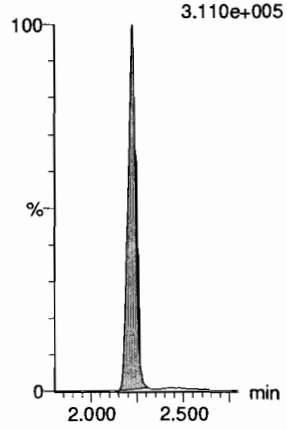

**13C3-PFBS**



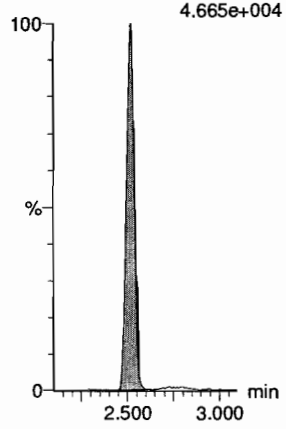

**13C3-PFPeA**



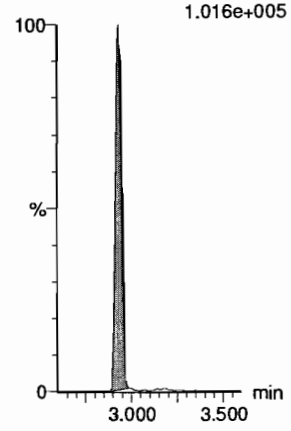

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

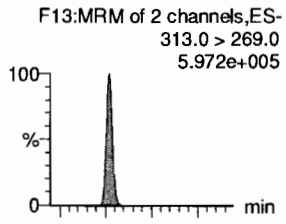


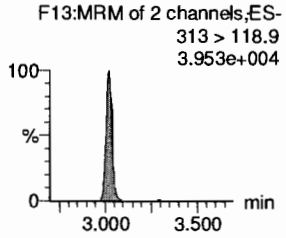
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

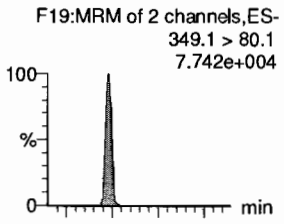
**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

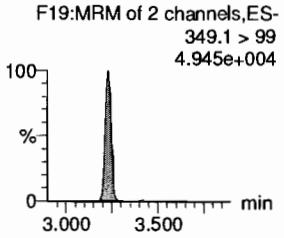
**PFHxA**



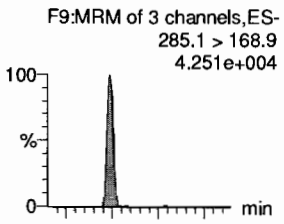



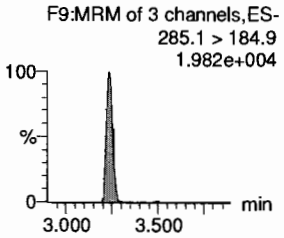

**PFPeS**



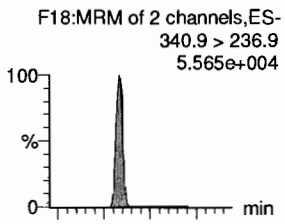



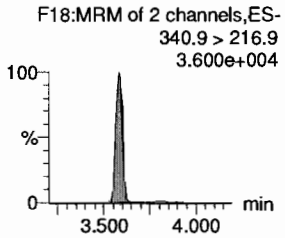

**HFPO-DA**



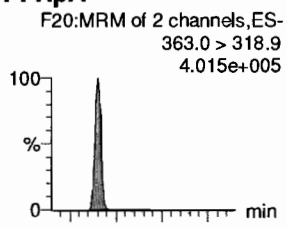



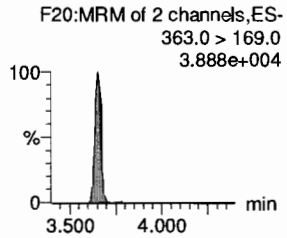

**5:3 FTCA**



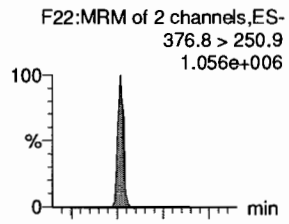



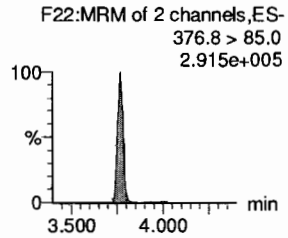

**PFHpA**



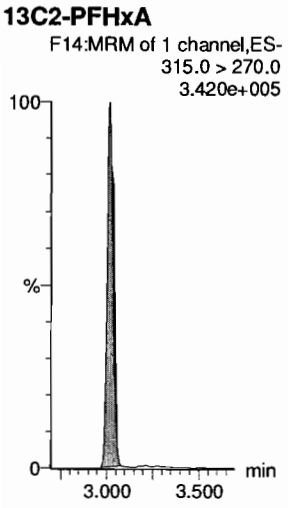




**ADONA**

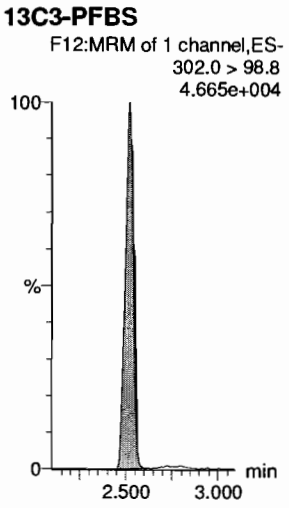


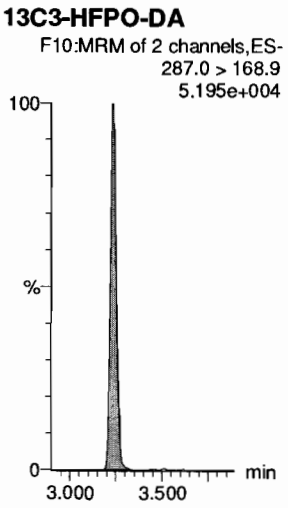

**13C2-PFHxA**



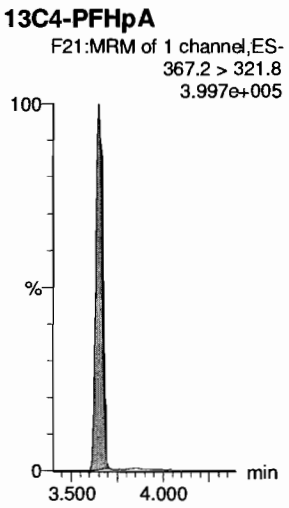

**13C3-PFBS**



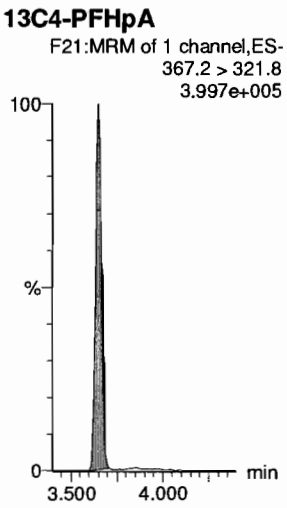

**13C3-HFPO-DA**



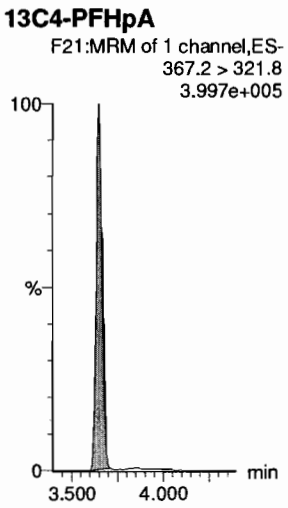

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

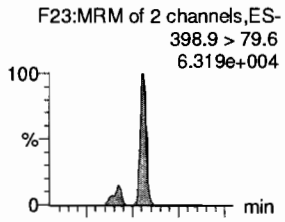


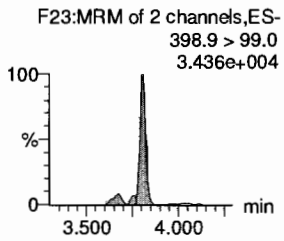
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

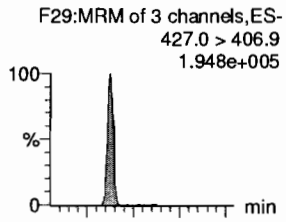
**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

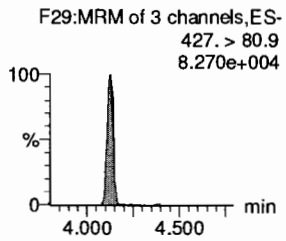
**L-PFHxS**



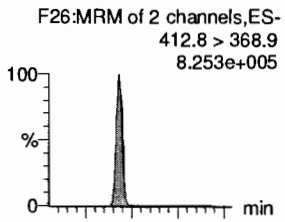



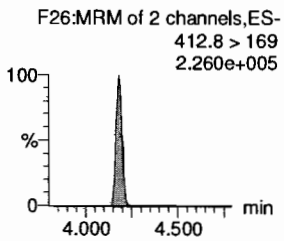

**6:2 FTS**



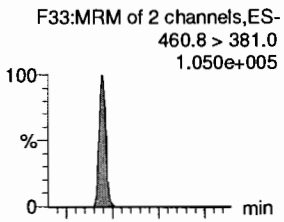



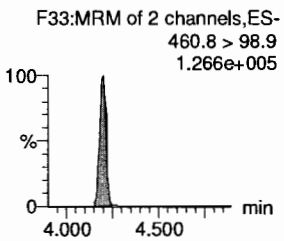

**L-PFOA**



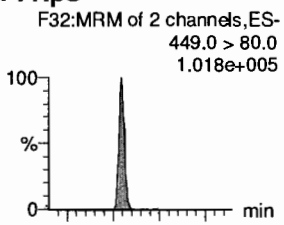



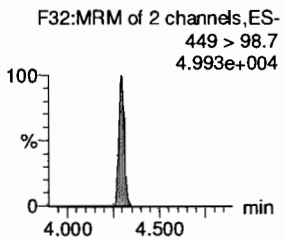

**PFEChS**



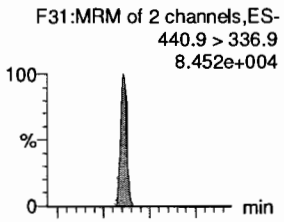



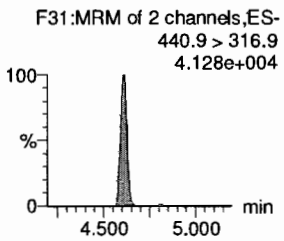

**PFHpS**



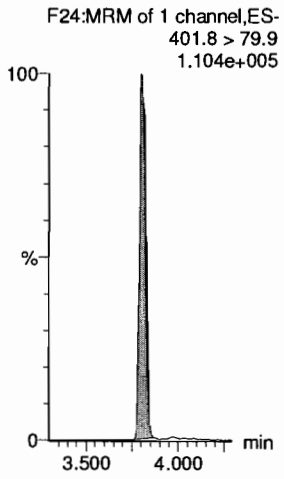




**7:3 FTCA**

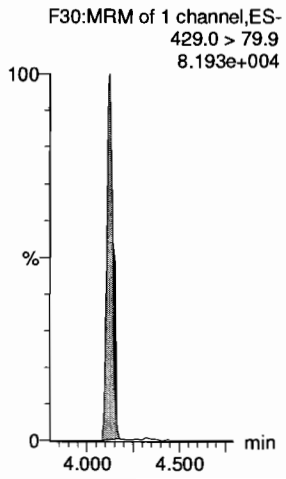


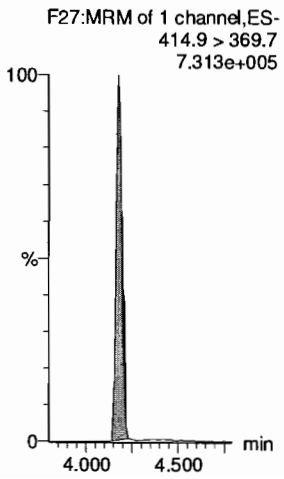

**13C3-PFHxS**



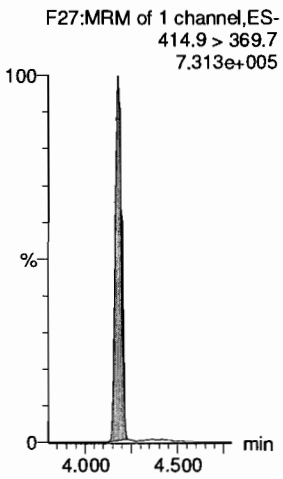

**13C2-6:2 FTS**



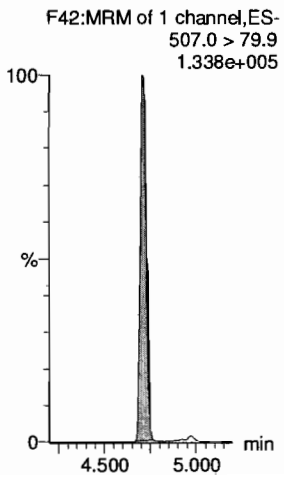

**13C2-PFOA**



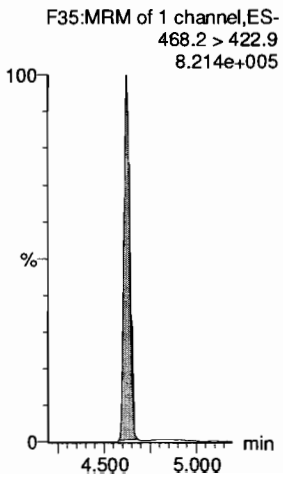

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
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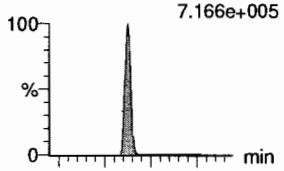
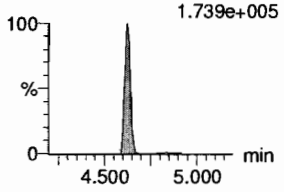
**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

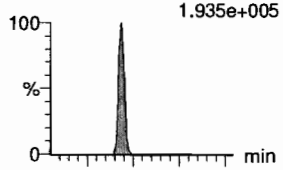
**PFNA**
F34:MRM of 2 channels,ES-
463.0 > 418.8
7.166e+005



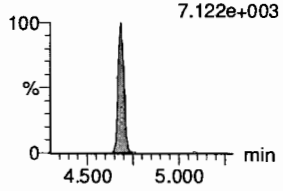

F34:MRM of 2 channels,ES-
463.0 > 219.0
1.739e+005



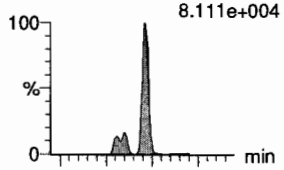

**PFOSA**
F37:MRM of 2 channels,ES-
497.9 > 77.9
1.935e+005



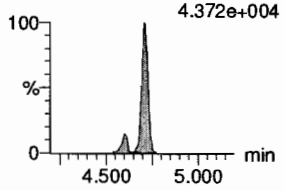

F37:MRM of 2 channels,ES-
497.9 > 168.9
7.122e+003



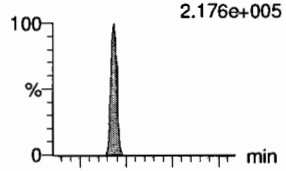

**L-PFOS**
F39:MRM of 2 channels,ES-
498.9 > 79.9
8.111e+004



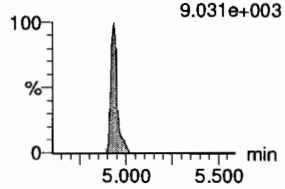

F39:MRM of 2 channels,ES-
498.9 > 99.0
4.372e+004



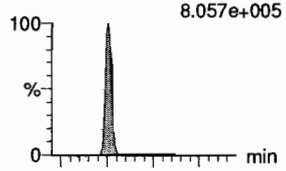

**9Cl-PF30NS**
F51:MRM of 2 channels,ES-
530.7 > 350.8
2.176e+005



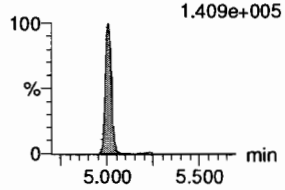

F51:MRM of 2 channels,ES-
530.7 > 82.8
9.031e+003



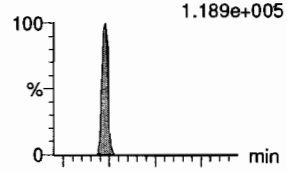

**PFDA**
F44:MRM of 2 channels,ES-
513 > 468.8
8.057e+005



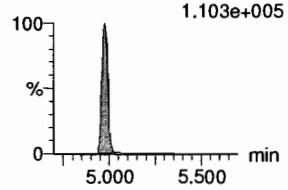

F44:MRM of 2 channels,ES-
513 > 219
1.409e+005



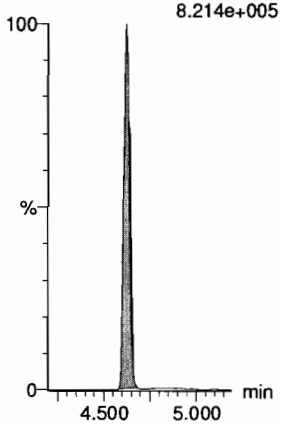

**8:2 FTS**
F49:MRM of 2 channels,ES-
527.0 > 506.9
1.189e+005



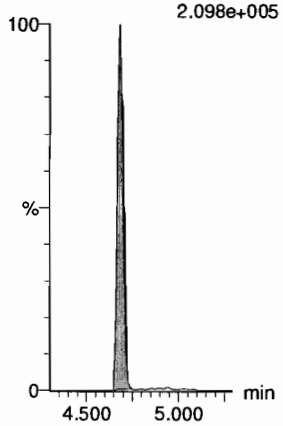

F49:MRM of 2 channels,ES-
527 > 80.9
1.103e+005



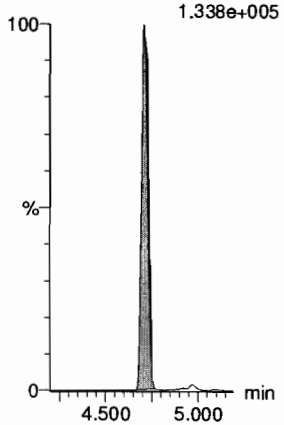

**13C5-PFNA**
F35:MRM of 1 channel,ES-
468.2 > 422.9
8.214e+005



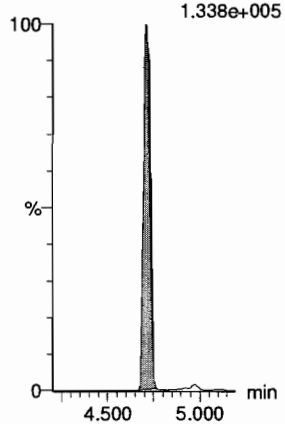

**13C8-PFOSA**
F41:MRM of 1 channel,ES-
506.1 > 77.7
2.098e+005



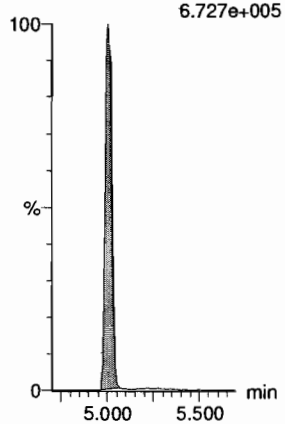

**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.338e+005



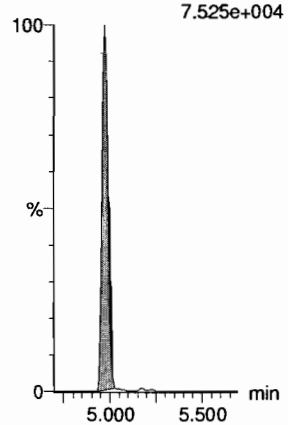

**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.338e+005




**13C2-PFDA**
F45:MRM of 1 channel,ES-
515.1 > 469.9
6.727e+005




**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
7.525e+004

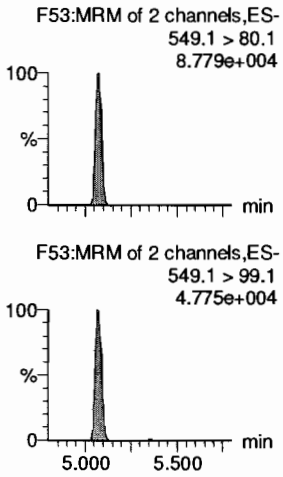


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

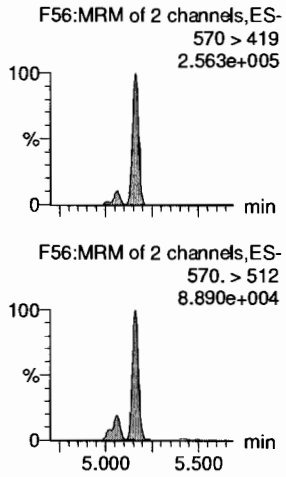
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

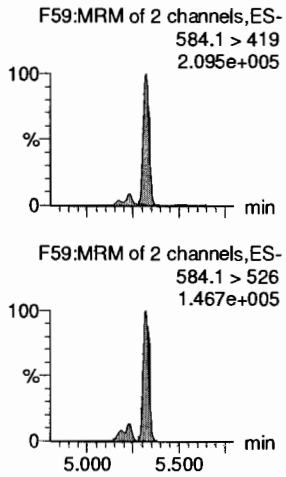
**PFNS**



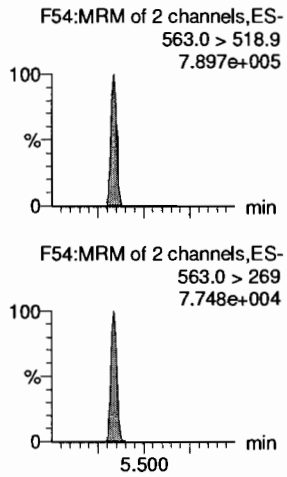

**L-MeFOSAA**



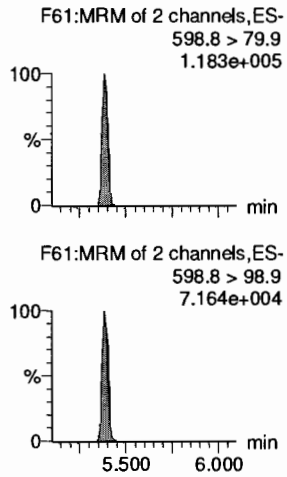

**L-EtFOSAA**



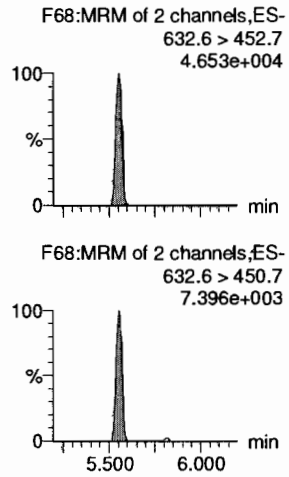

**PFUdA**



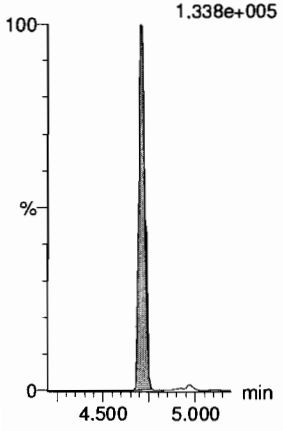

**PFDS**



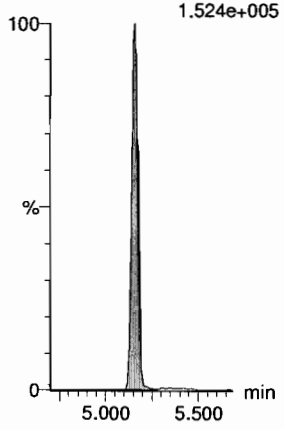

**11Cl-PF30UdS**



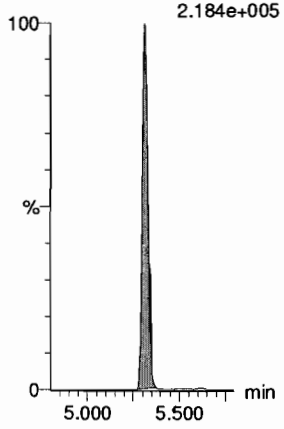

**13C8-PFOS**



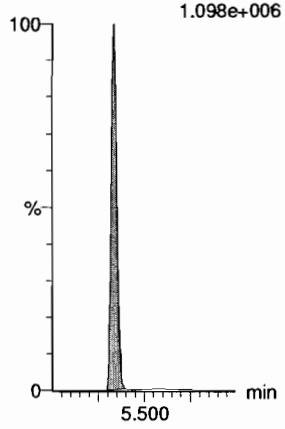

**d3-N-MeFOSAA**



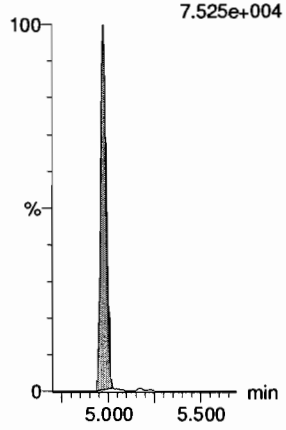

**d5-N-EtFOSAA**



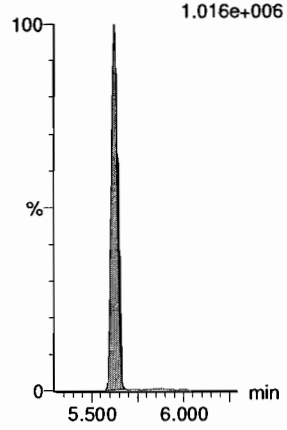

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

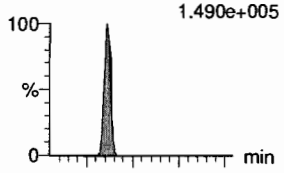


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

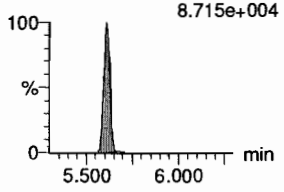
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

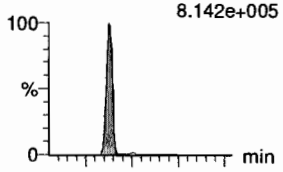
**10:2 FTS**
F66:MRM of 2 channels,ES-
627.0 > 606.9
1.490e+005



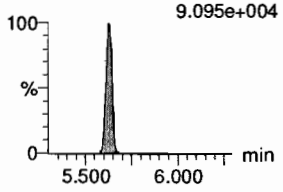

F66:MRM of 2 channels,ES-
627.0 > 80.9
8.715e+004



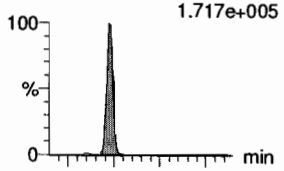

**PFDoA**
F62:MRM of 4 channels,ES-
612.9 > 569.0
8.142e+005



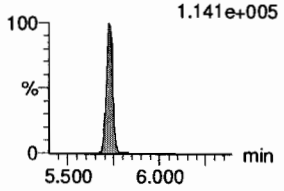

F62:MRM of 4 channels,ES-
612.9 > 318.8
9.095e+004



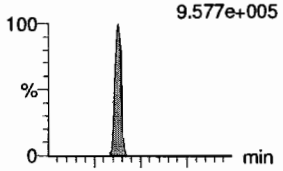

**N-MeFOSA**
F43:MRM of 2 channels,ES-
512.1 > 168.9
1.717e+005



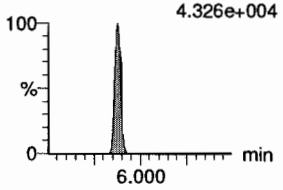

F43:MRM of 2 channels,ES-
512.1 > 219
1.141e+005



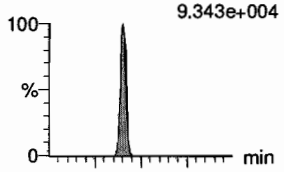

**PFTrDA**
F70:MRM of 2 channels,ES-
662.9 > 618.9
9.577e+005



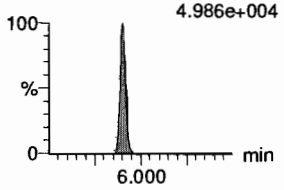

F70:MRM of 2 channels,ES-
662.9 > 319
4.326e+004



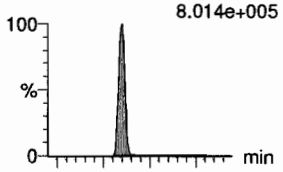

**PFDoS**
F71:MRM of 2 channels,ES-
698.8 > 79.9
9.343e+004



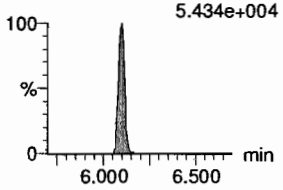

F71:MRM of 2 channels,ES-
698.8 > 98.9
4.986e+004



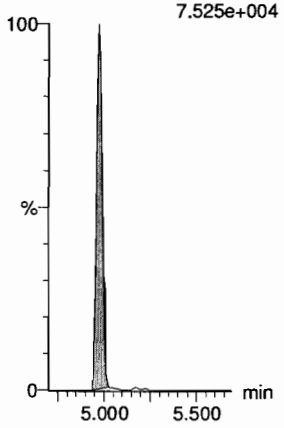

**PFTeDA**
F72:MRM of 2 channels,ES-
713.0 > 669.0
8.014e+005



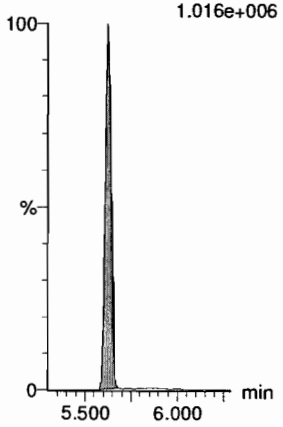

F72:MRM of 2 channels,ES-
713. > 369.0
5.434e+004



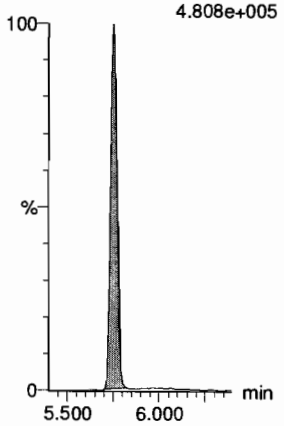

**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
7.525e+004



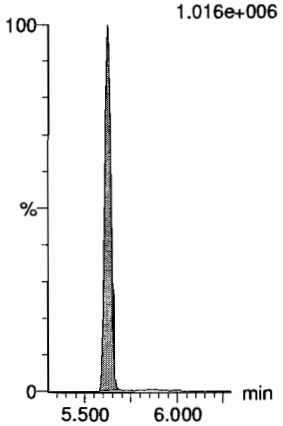

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.016e+006



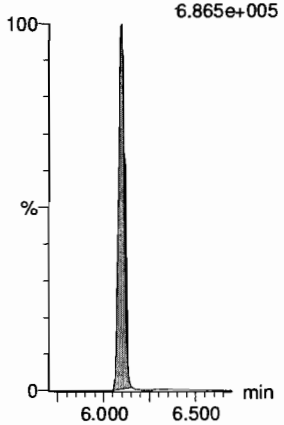

**d3-N-MeFOSA**
F46:MRM of 1 channel,ES-
515.2 > 168.9
4.808e+005



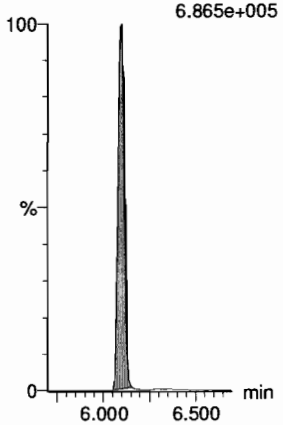

**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
1.016e+006




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.865e+005




**13C2-PFTeDA**
F73:MRM of 2 channels,ES-
715.1 > 669.7
6.865e+005

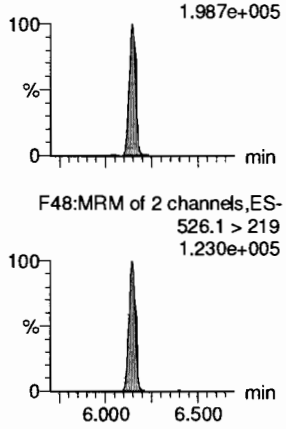


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

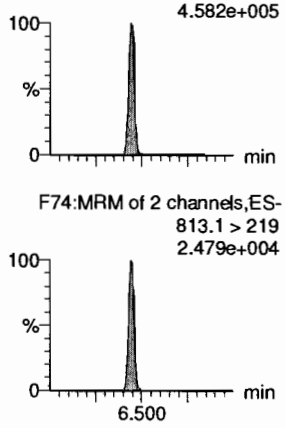
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

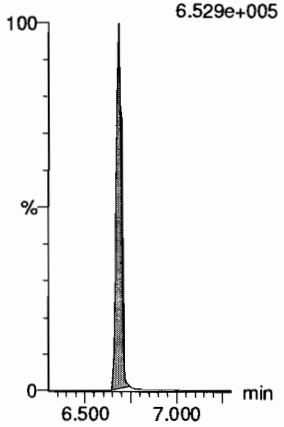
**N-EtFOSA**



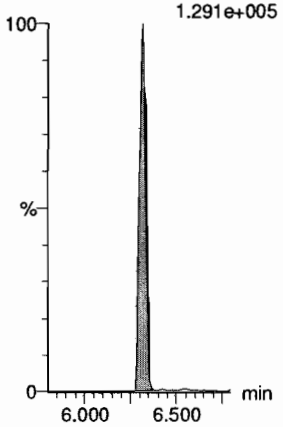

**PFHxDA**



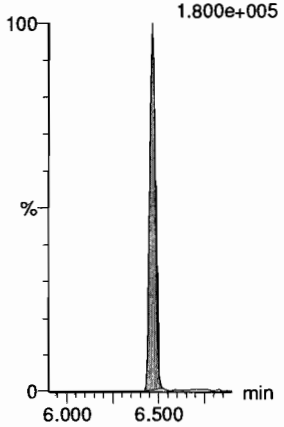

**PFODA**



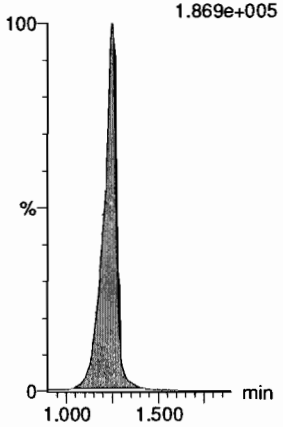

**N-MeFOSE**



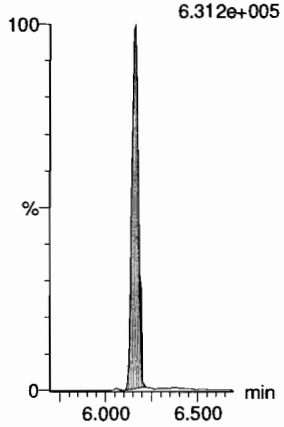

**N-EtFOSE**



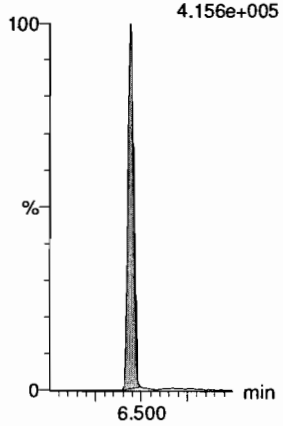

**13C4-PFBA**



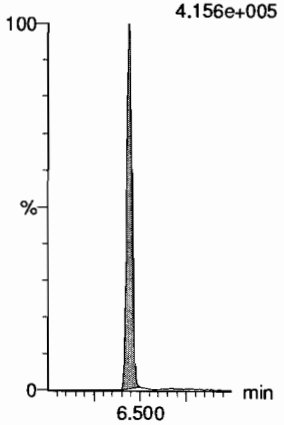

**d5-N-ETFOSA**



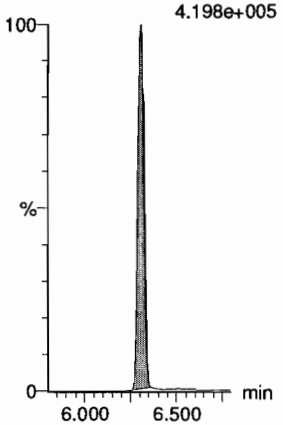

**13C2-PFHxDA**



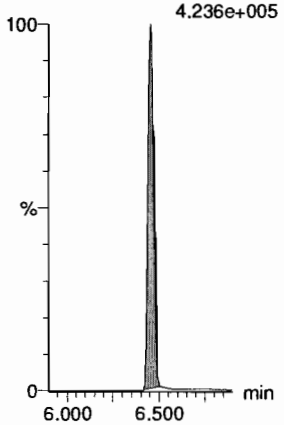

**13C2-PFHxDA**



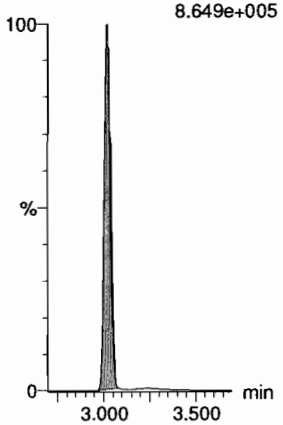

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

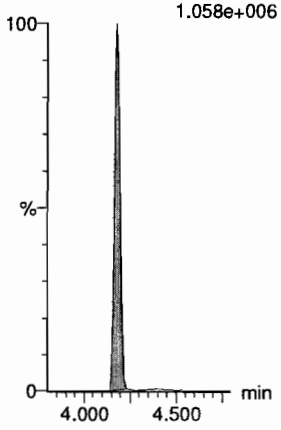


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

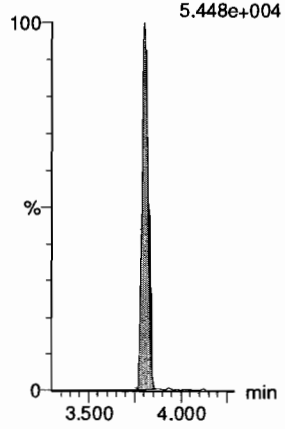
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_13, Date: 06-Aug-2019, Time: 12:37:33, ID: ST190806M1-6 PFC CS3 19G2306, Description: PFC CS3 19G2306**

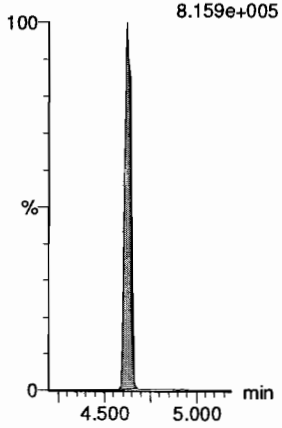
**13C8-PFOA**



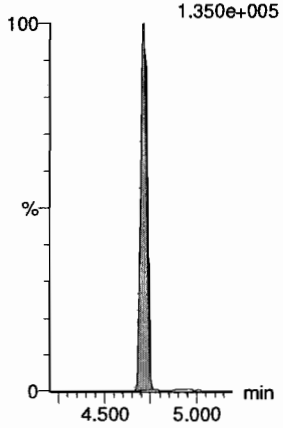

**18O2-PFHxS**



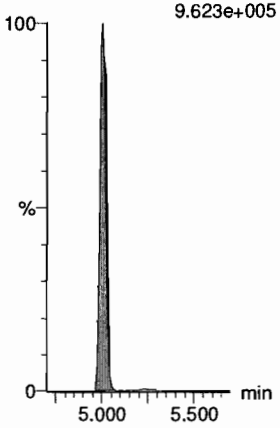

**13C9-PFNA**



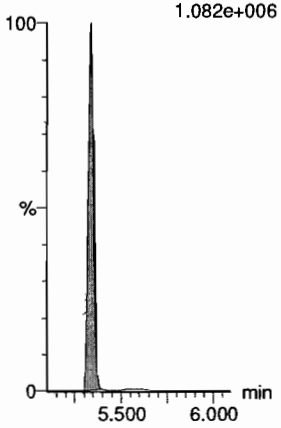

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

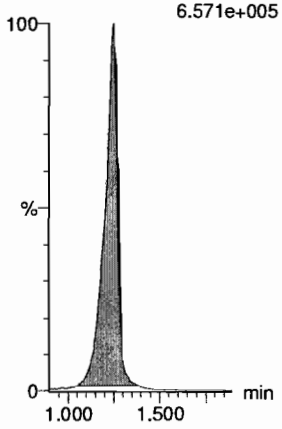


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

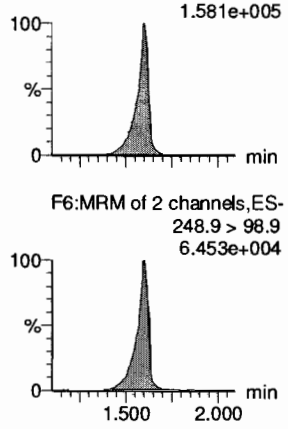
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

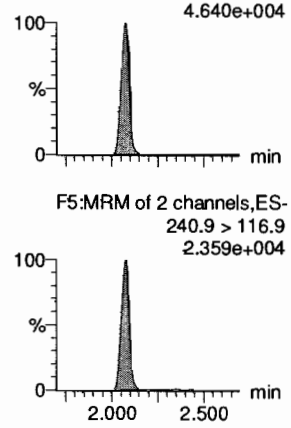
**PFBA**



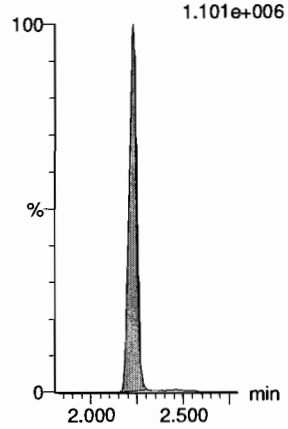

**PFPrS**



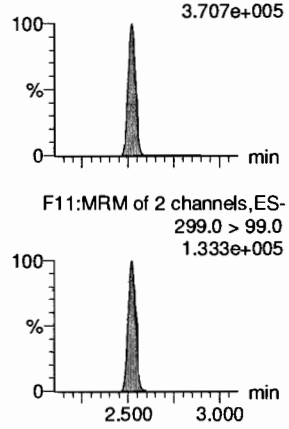

**3:3 FTCA**



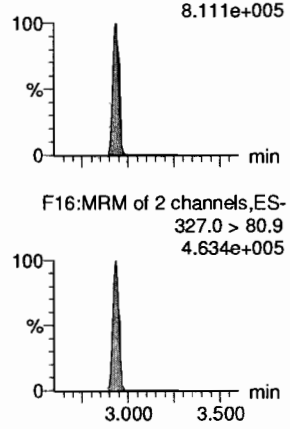

**PFPeA**



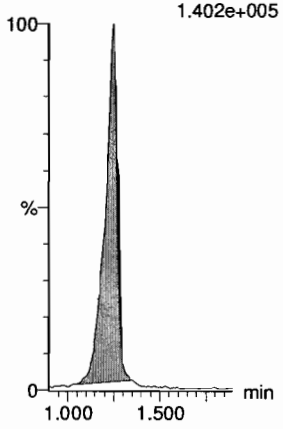

**PFBS**



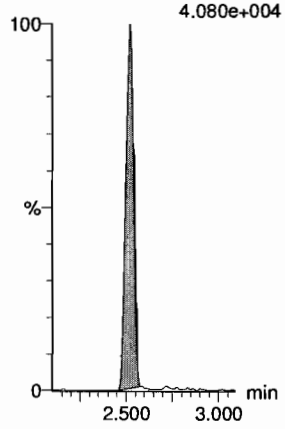

**4:2 FTS**



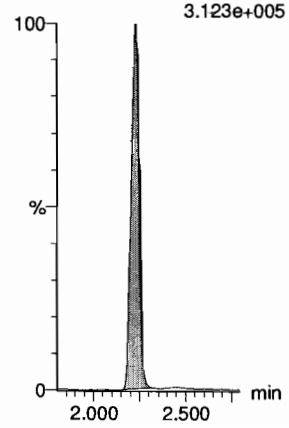

**13C3-PFBA**



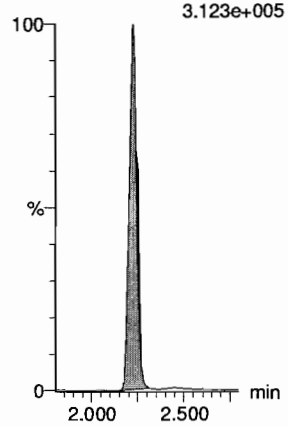

**13C3-PFBS**



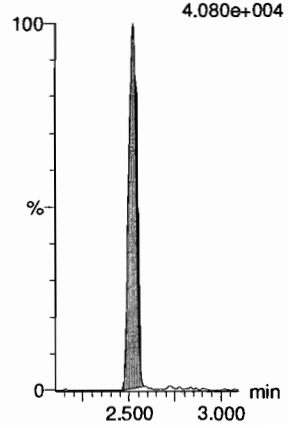

**13C3-PFPeA**



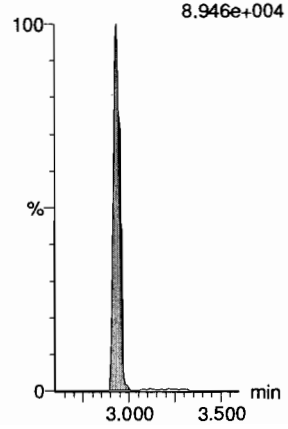

**13C3-PFPeA**




**13C3-PFBS**




**13C2-4:2 FTS**

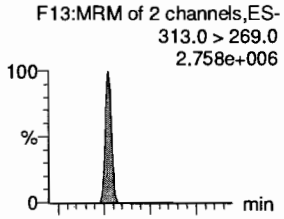


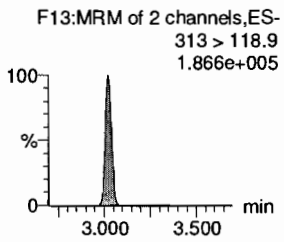
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

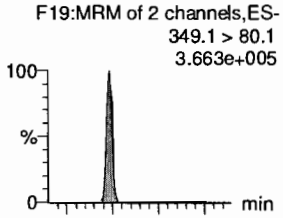
**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

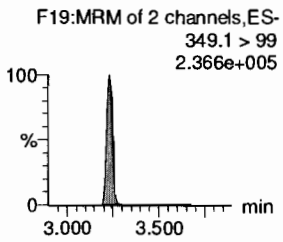
**PFHxA**



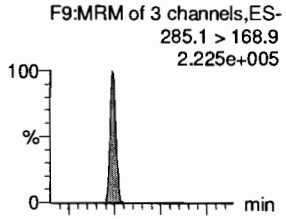



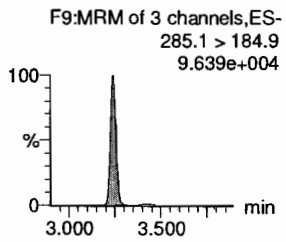

**PFPeS**



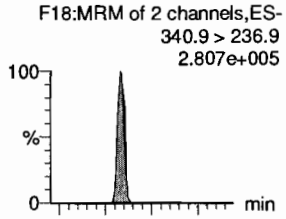



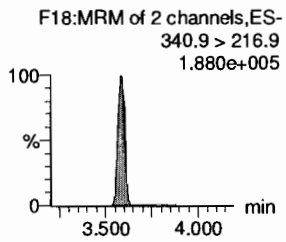

**HFPO-DA**



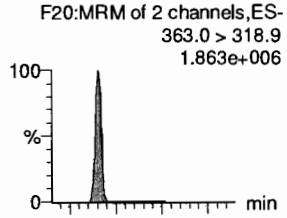



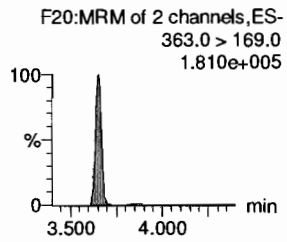

**5:3 FTCA**



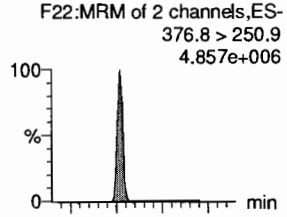



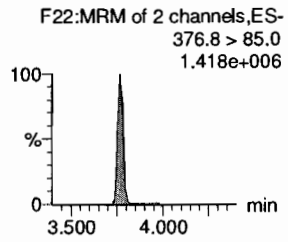

**PFHpA**



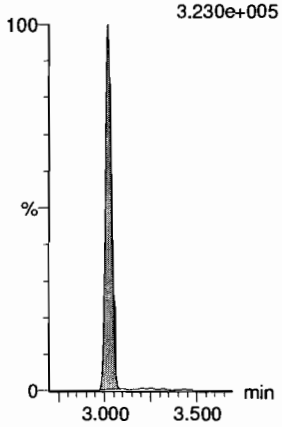




**ADONA**

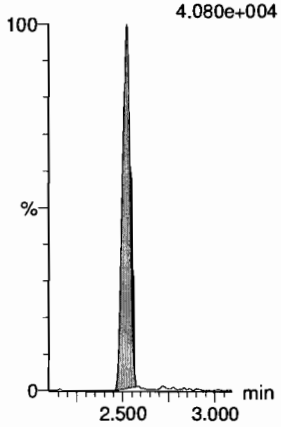


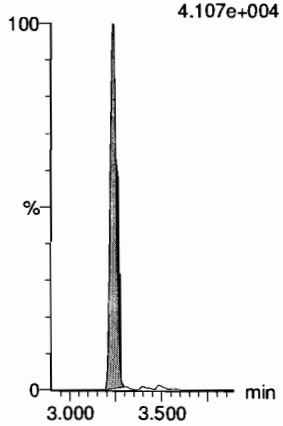

**13C2-PFHxA**



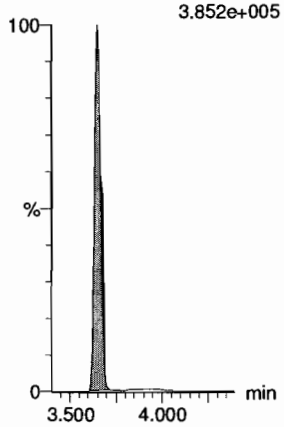

**13C3-PFBS**



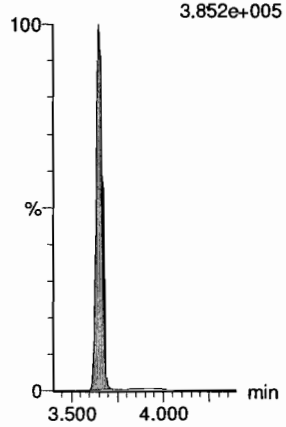

**13C3-HFPO-DA**



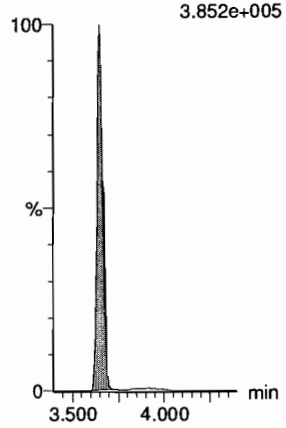

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

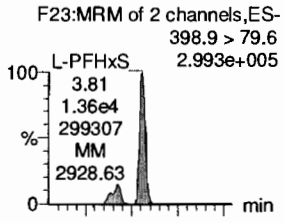


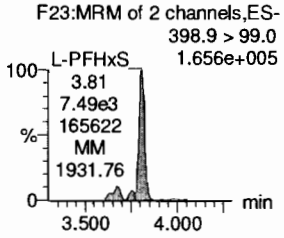
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

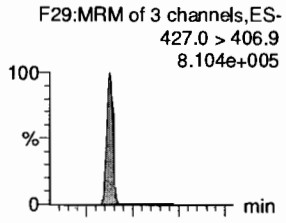
**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

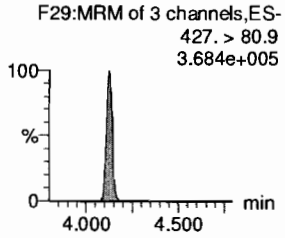
**L-PFHxS**



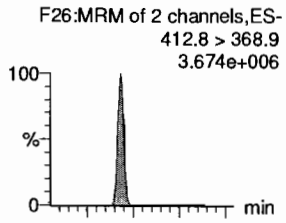



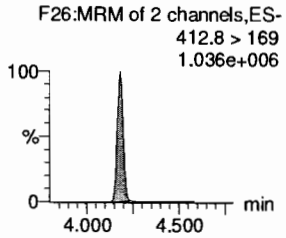

**6:2 FTS**



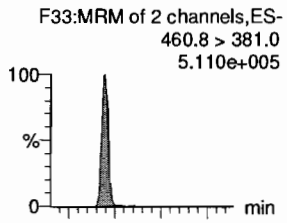



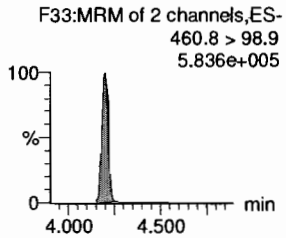

**L-PFOA**



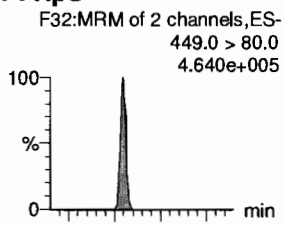



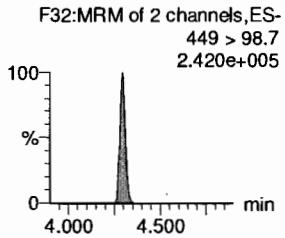

**PFEChS**



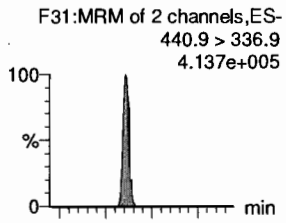



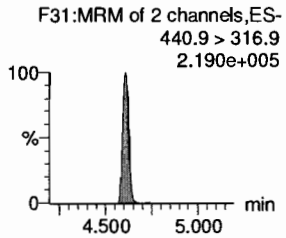

**PFHpS**



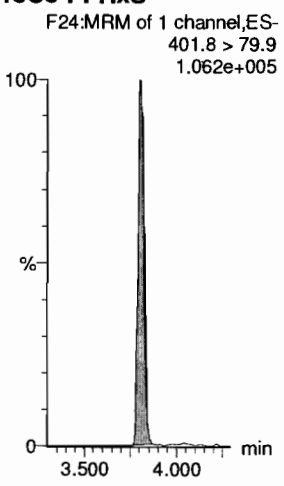




**7:3 FTCA**

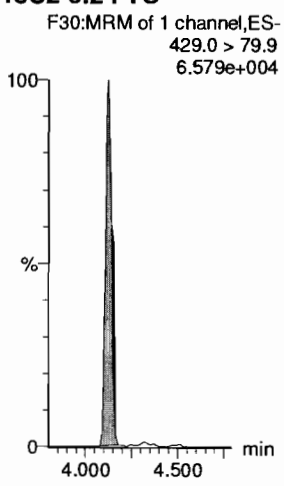


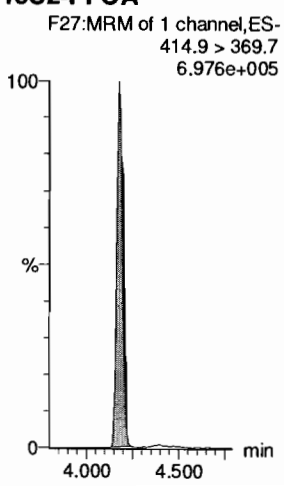

**13C3-PFHxS**



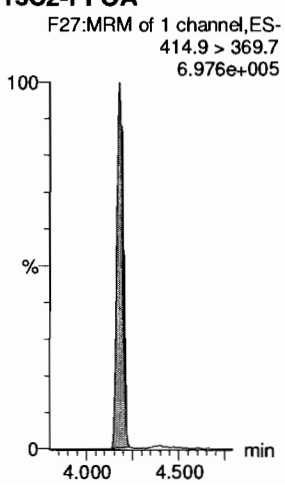

**13C2-6:2 FTS**



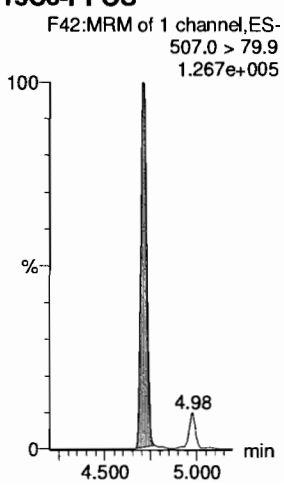

**13C2-PFOA**



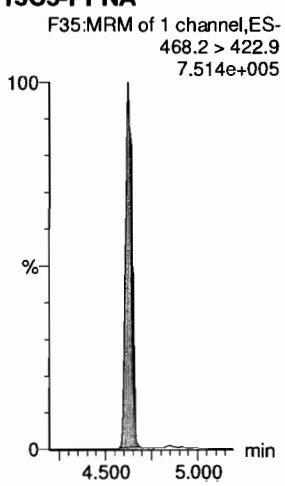

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

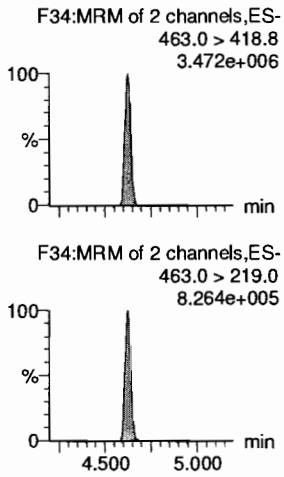


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

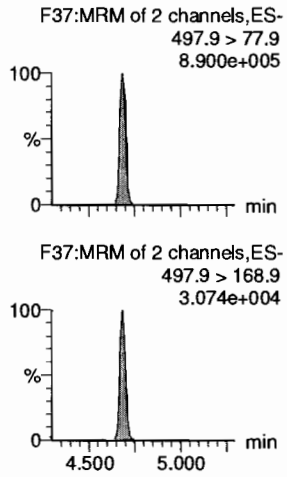
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

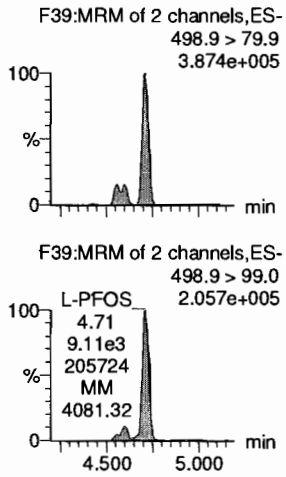
**PFNA**



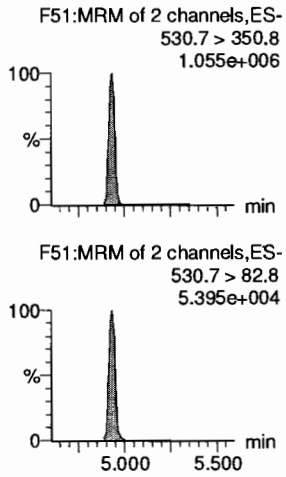

**PFOSA**




**L-PFOS**




**9Cl-PF30NS**

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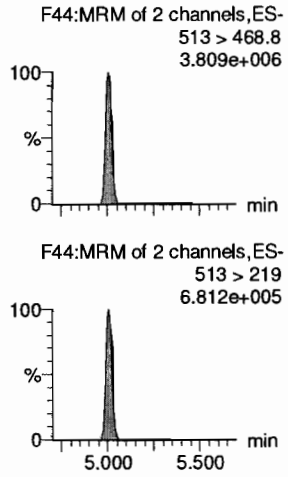
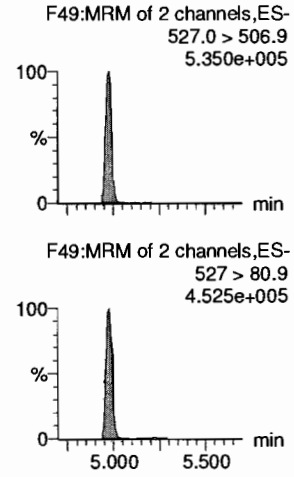
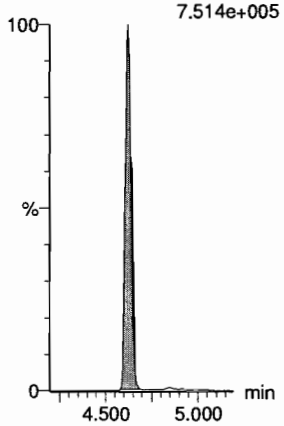


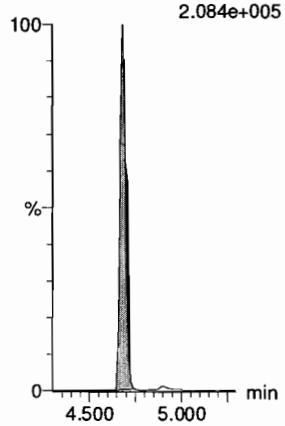

**8:2 FTS**




**13C5-PFNA**




**13C8-PFOSA**

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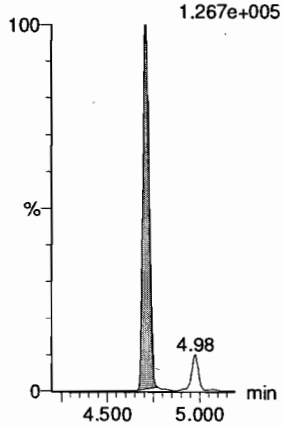
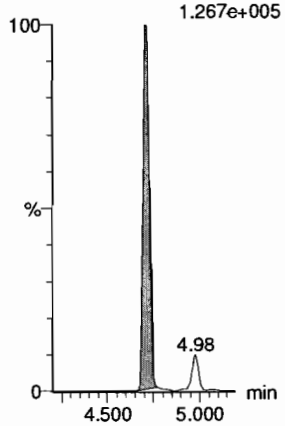
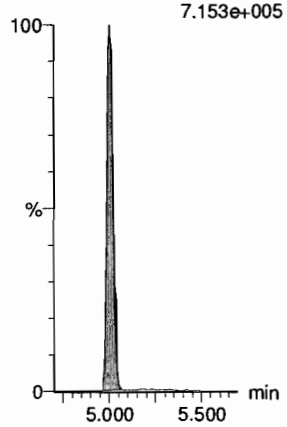


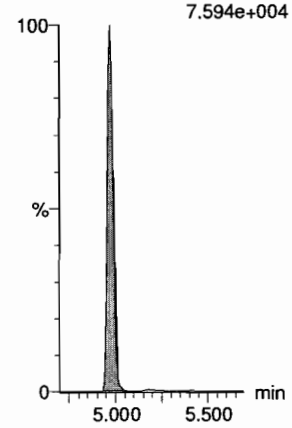

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

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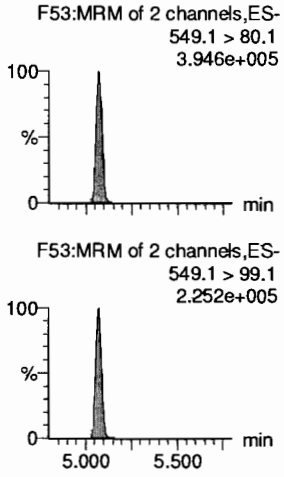
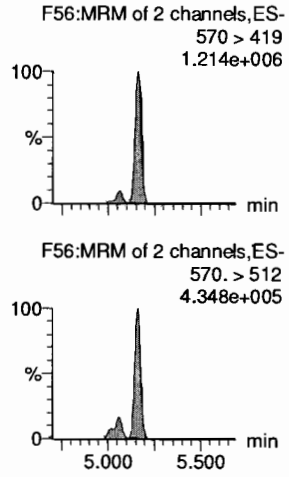
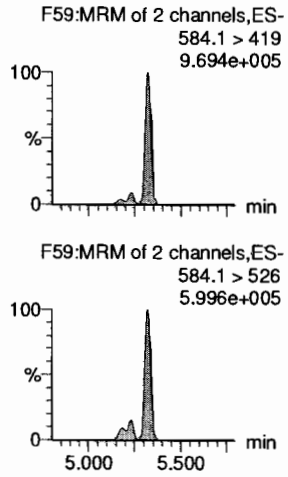


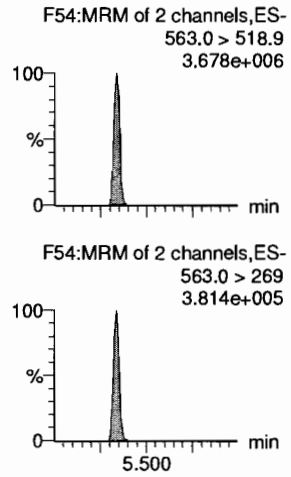

**L-MeFOSAA**



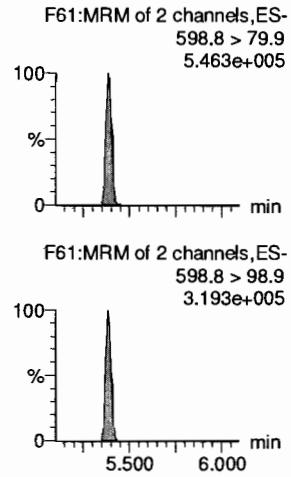

**L-EtFOSAA**



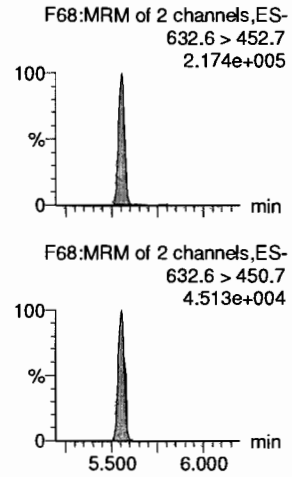

**PFUdA**



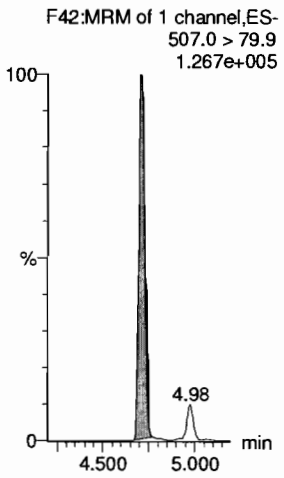

**PFDS**



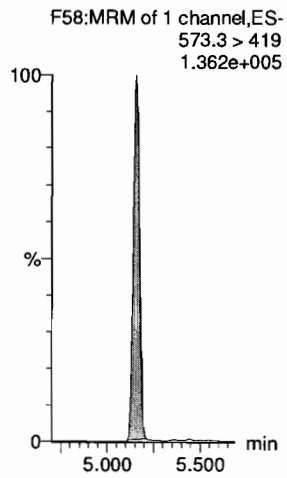

**11Cl-PF30UdS**



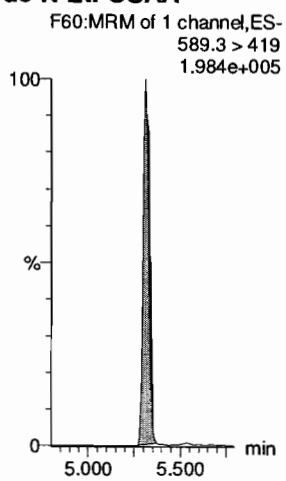

**13C8-PFOS**



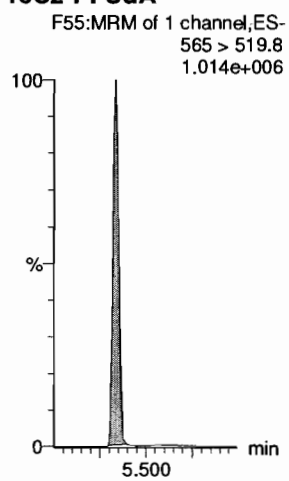

**d3-N-MeFOSAA**



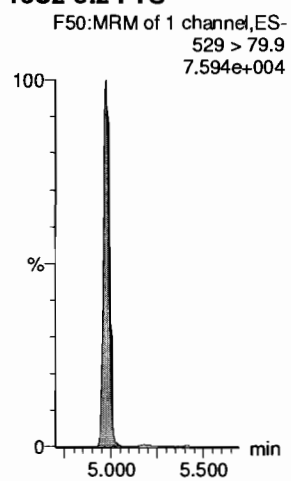

**d5-N-EtFOSAA**



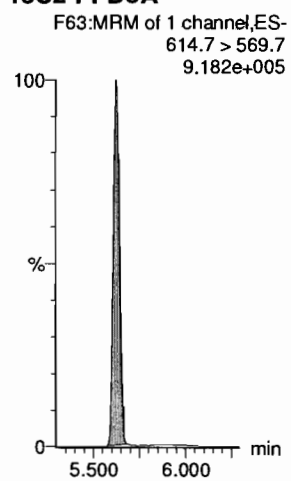

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

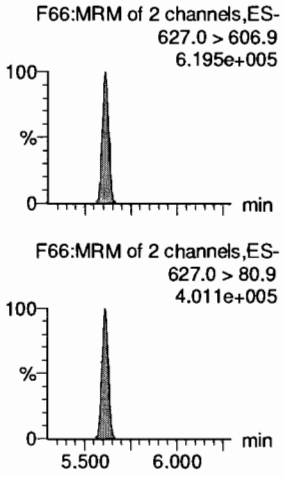


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

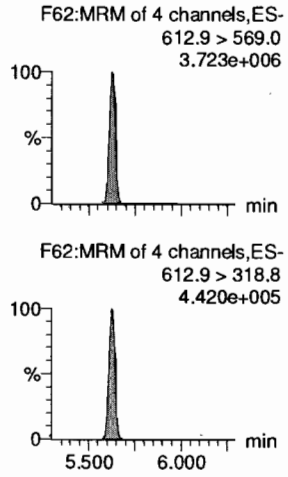
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

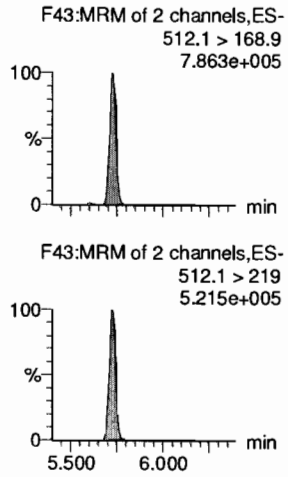
**10:2 FTS**



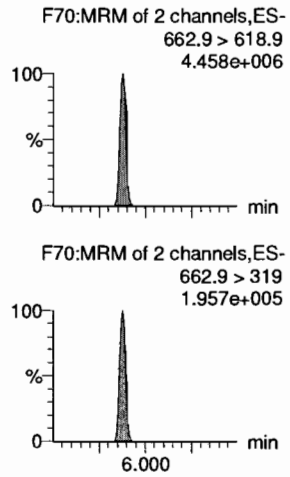

**PFDoA**



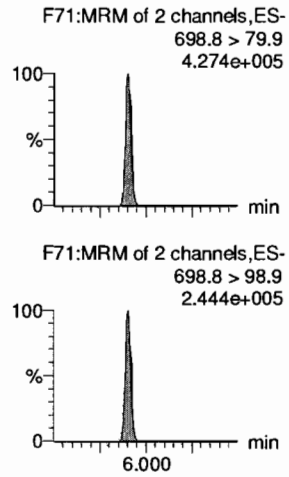

**N-MeFOSA**



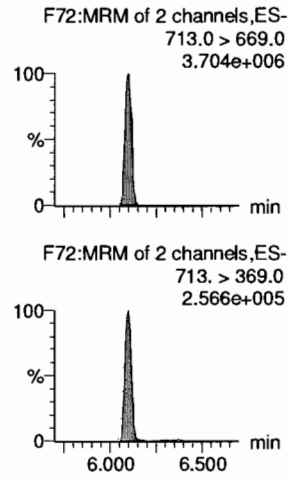

**PFTrDA**



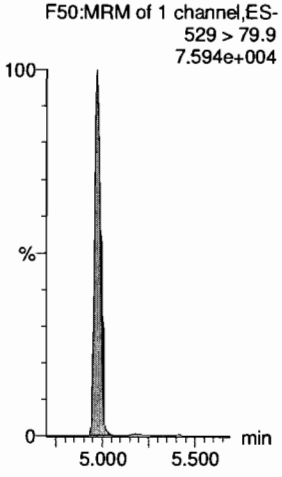

**PFDoS**



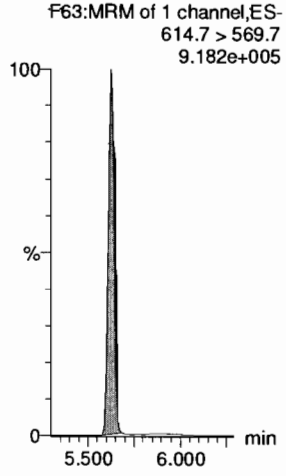

**PFTeDA**



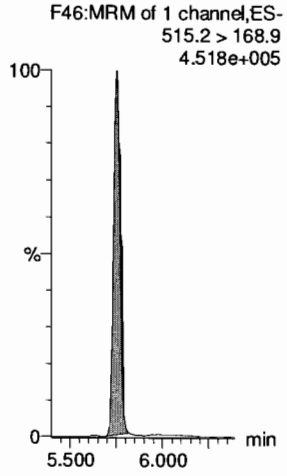

**13C2-8:2 FTS**



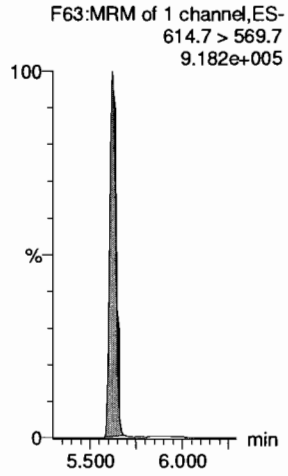

**13C2-PFDoA**



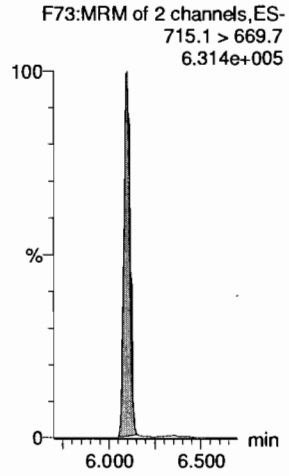

**d3-N-MeFOSA**



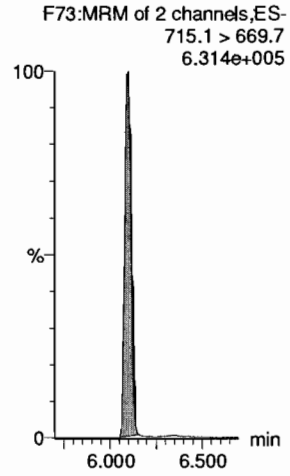

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

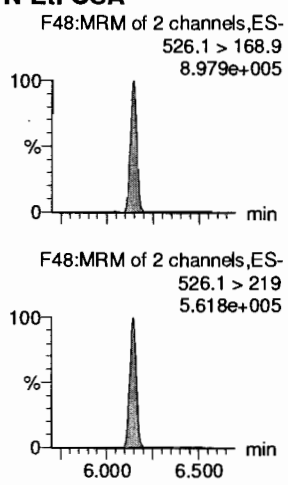


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

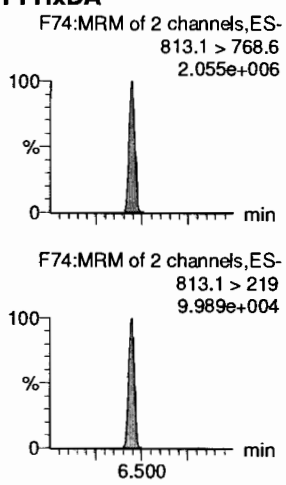
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

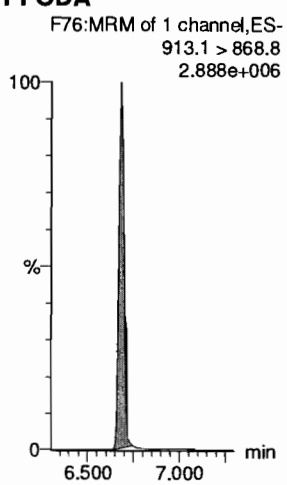
**N-EtFOSA**



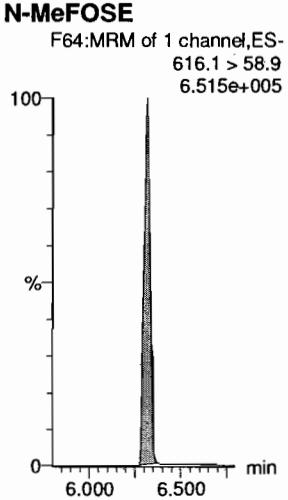

**PFHxDA**



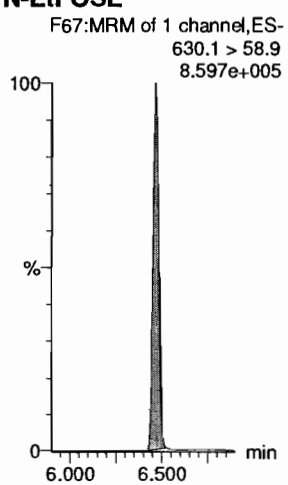

**PFODA**




**N-MeFOSE**




**N-EtFOSE**

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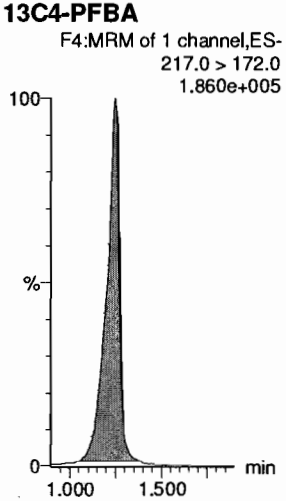
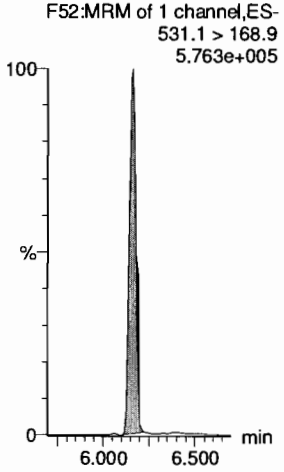
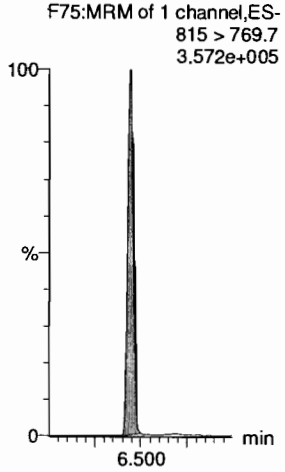


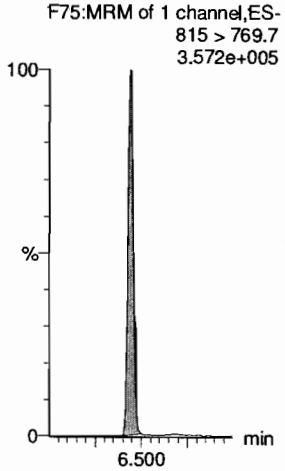

**d5-N-ETFOSA**



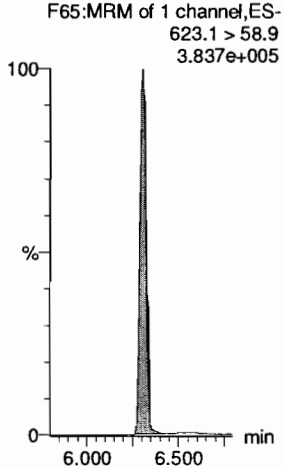

**13C2-PFHxDA**



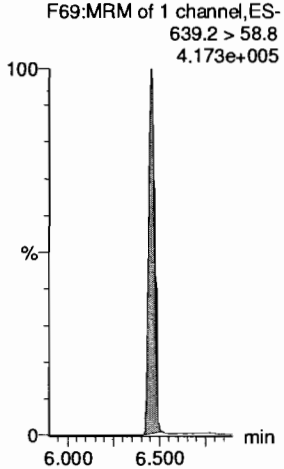

**13C2-PFHxDA**



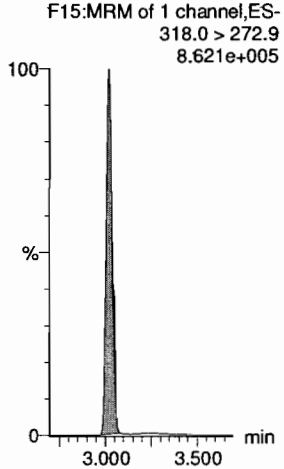

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

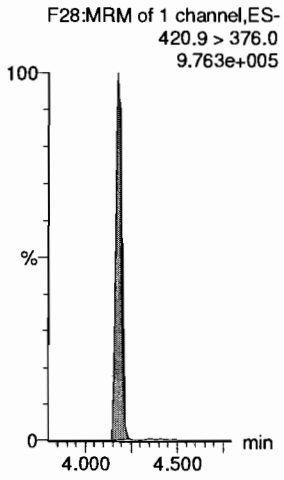


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

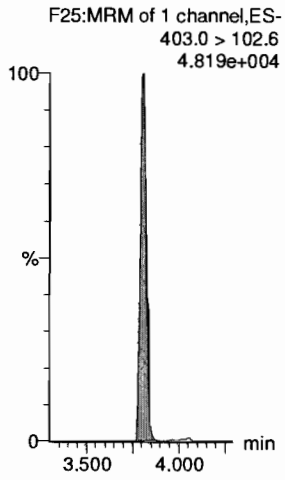
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_14, Date: 06-Aug-2019, Time: 12:48:12, ID: ST190806M1-7 PFC CS4 19G2307, Description: PFC CS4 19G2307**

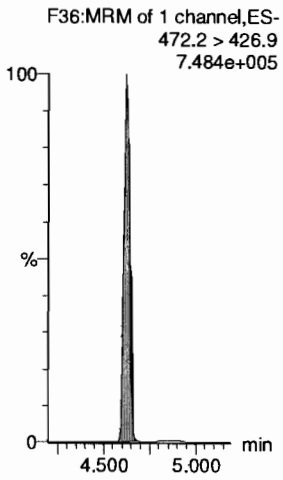
**13C8-PFOA**



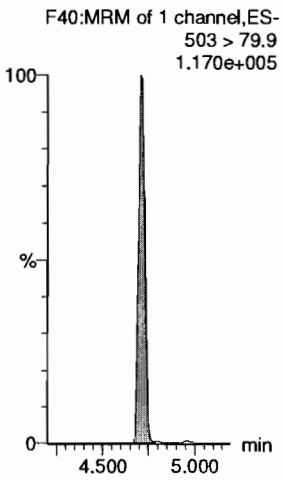

**18O2-PFHxS**



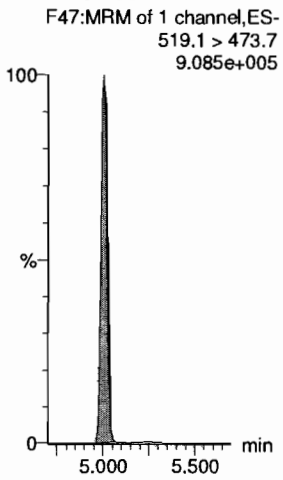

**13C9-PFNA**



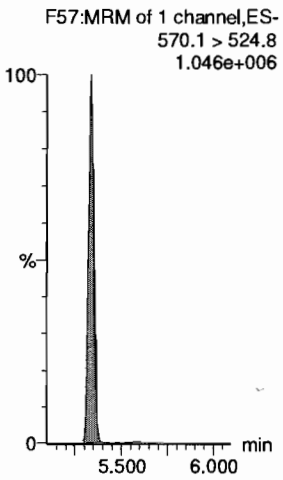

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

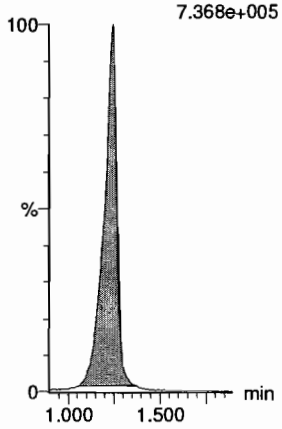


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

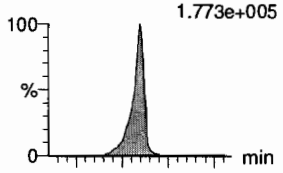
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

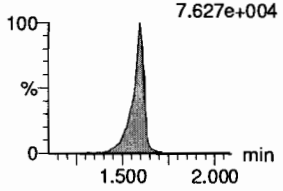
**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.368e+005



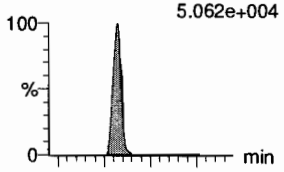

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
1.773e+005



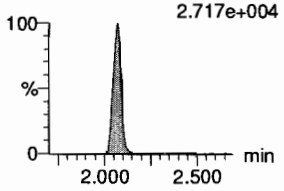

F6:MRM of 2 channels,ES-
248.9 > 98.9
7.627e+004



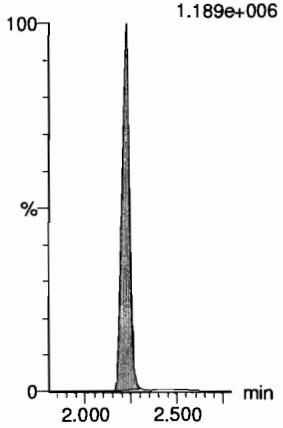

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
5.062e+004



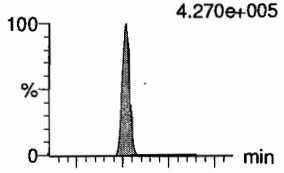

F5:MRM of 2 channels,ES-
240.9 > 116.9
2.717e+004



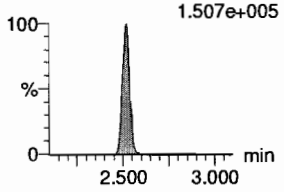

**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
1.189e+006



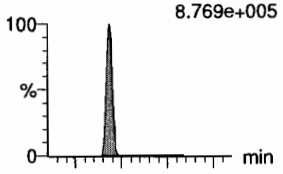

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
4.270e+005



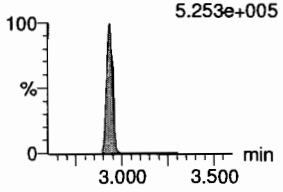

F11:MRM of 2 channels,ES-
299.0 > 99.0
1.507e+005



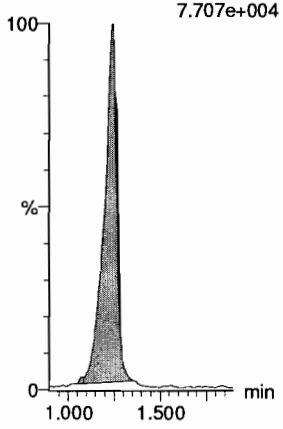

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
8.769e+005



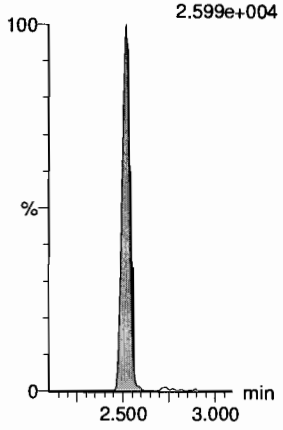

F16:MRM of 2 channels,ES-
327.0 > 80.9
5.253e+005



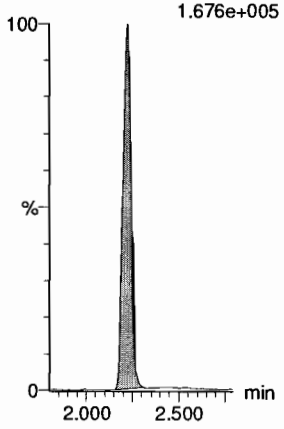

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
7.707e+004



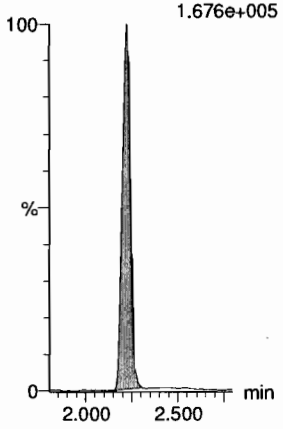

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.599e+004



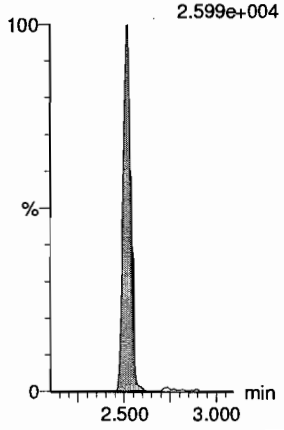

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
1.676e+005



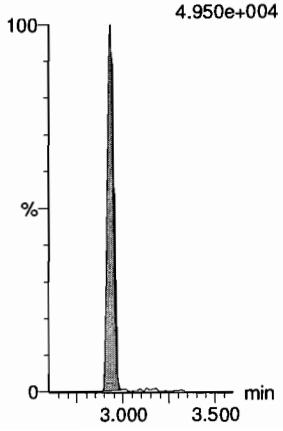

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
1.676e+005




**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.599e+004




**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
4.950e+004

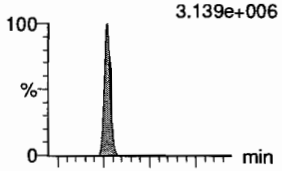


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

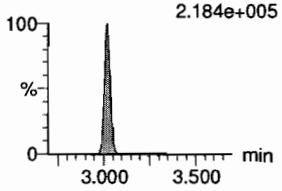
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

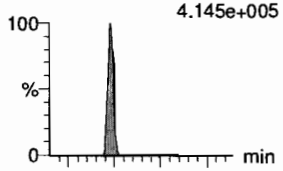
**PFHxA**
F13:MRM of 2 channels,ES-
313.0 > 269.0
3.139e+006



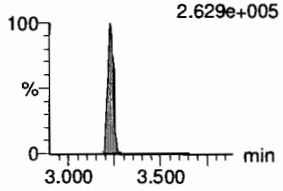
F13:MRM of 2 channels,ES-
313 > 118.9
2.184e+005



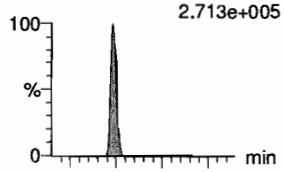
**PFPeS**
F19:MRM of 2 channels,ES-
349.1 > 80.1
4.145e+005



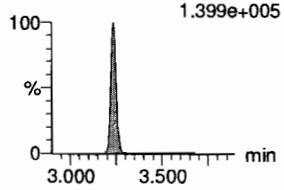
F19:MRM of 2 channels,ES-
349.1 > 99
2.629e+005



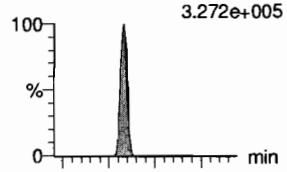
**HFPO-DA**
F9:MRM of 3 channels,ES-
285.1 > 168.9
2.713e+005



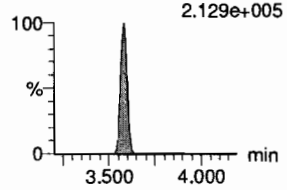
F9:MRM of 3 channels,ES-
285.1 > 184.9
1.399e+005



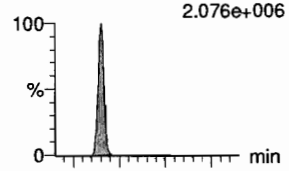
**5:3 FTCA**
F18:MRM of 2 channels,ES-
340.9 > 236.9
3.272e+005



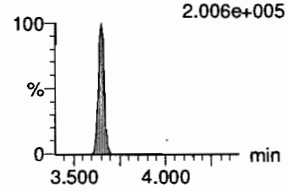
F18:MRM of 2 channels,ES-
340.9 > 216.9
2.129e+005



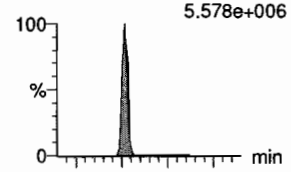
**PFHpA**
F20:MRM of 2 channels,ES-
363.0 > 318.9
2.076e+006



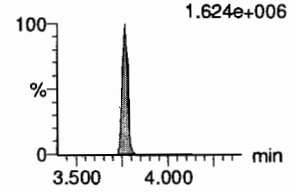
F20:MRM of 2 channels,ES-
363.0 > 169.0
2.006e+005



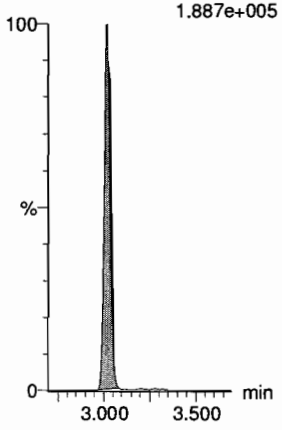
**ADONA**
F22:MRM of 2 channels,ES-
376.8 > 250.9
5.578e+006



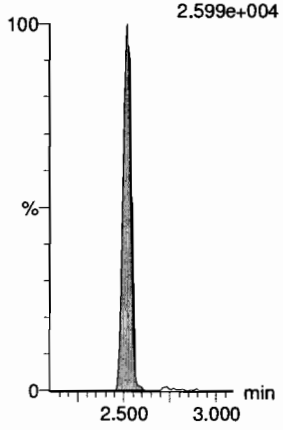
F22:MRM of 2 channels,ES-
376.8 > 85.0
1.624e+006



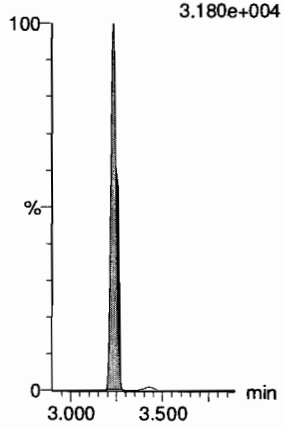
**13C2-PFHxA**
F14:MRM of 1 channel,ES-
315.0 > 270.0
1.887e+005



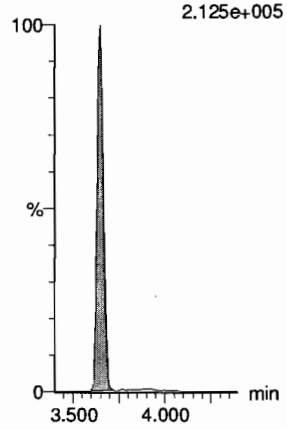
**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.599e+004



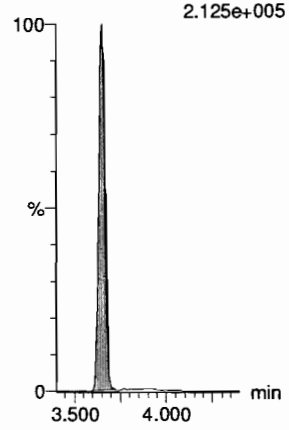
**13C3-HFPO-DA**
F10:MRM of 2 channels,ES-
287.0 > 168.9
3.180e+004



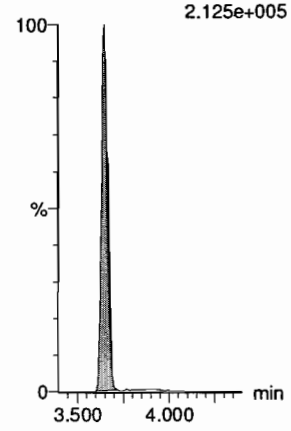
**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
2.125e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
2.125e+005



**13C4-PFHpA**
F21:MRM of 1 channel,ES-
367.2 > 321.8
2.125e+005

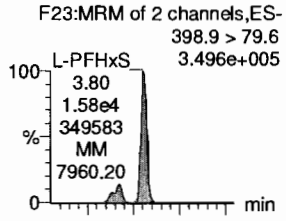


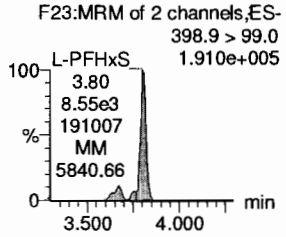
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

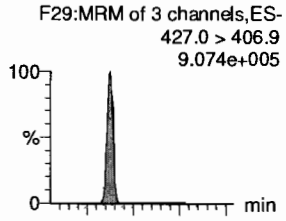
**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

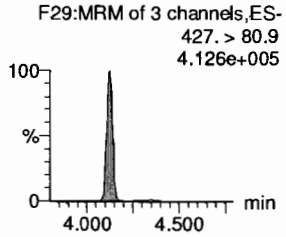
**L-PFHxS**



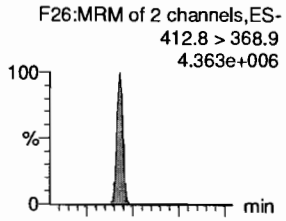



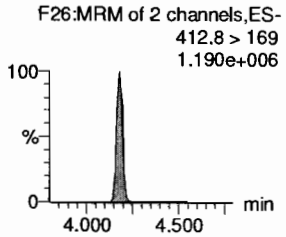

**6:2 FTS**



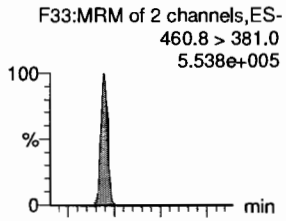



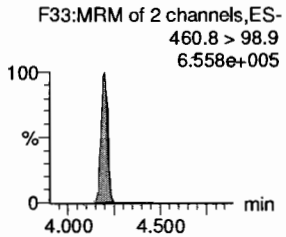

**L-PFOA**



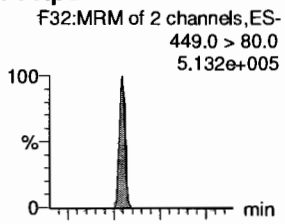



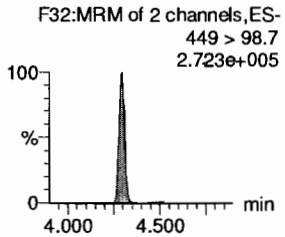

**PFEChS**



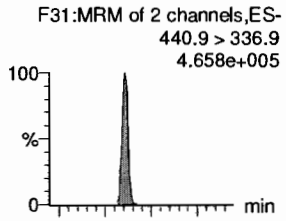



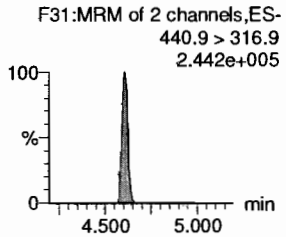

**PFHpS**



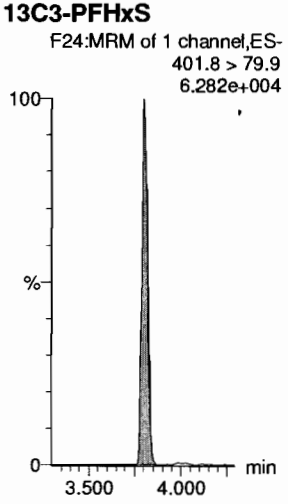




**7:3 FTCA**

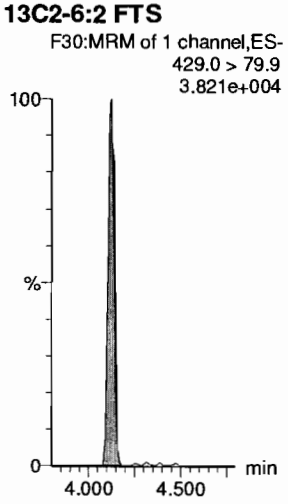


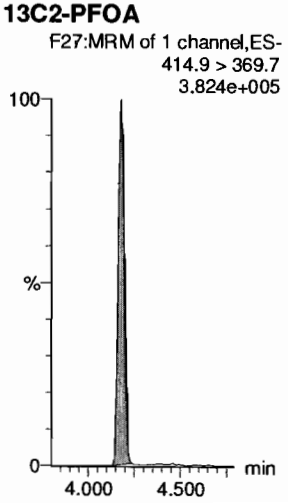

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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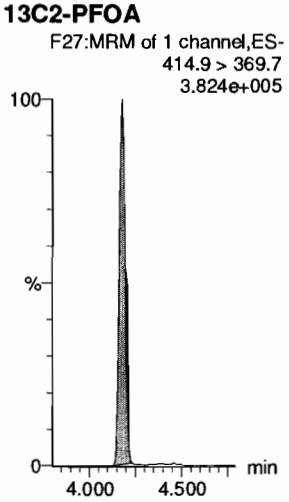
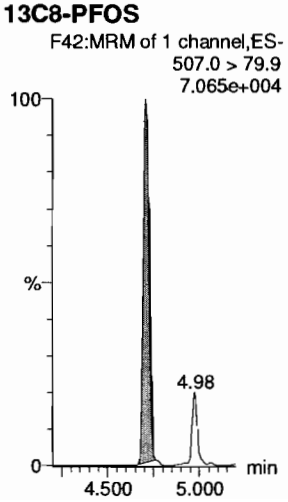
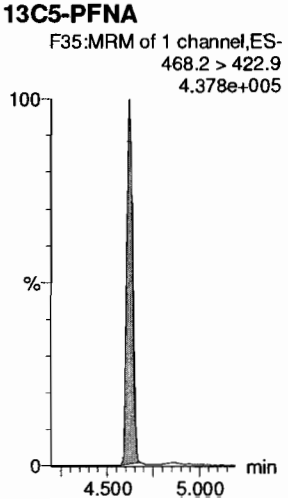



**13C8-PFOS**




**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

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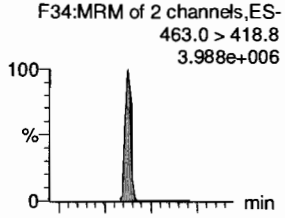
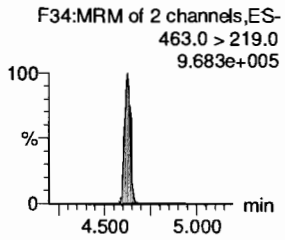
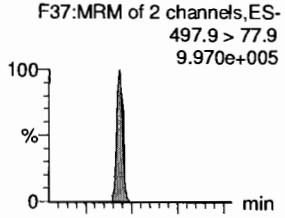
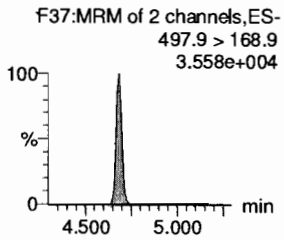


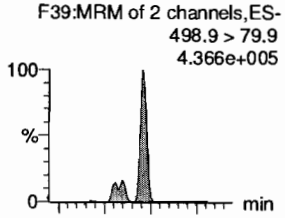



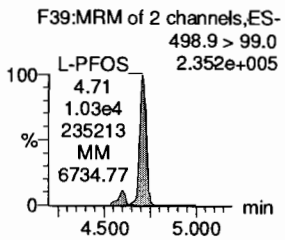

**PFOSA**




**L-PFOS**

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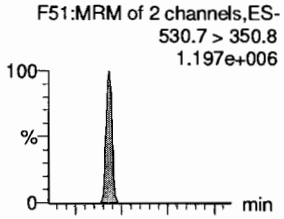


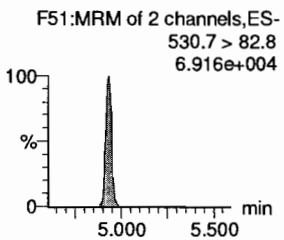


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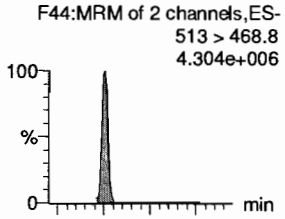
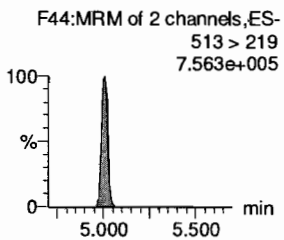
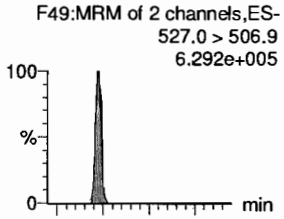
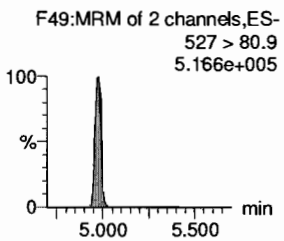


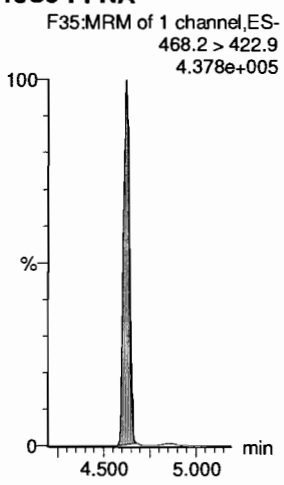




**8:2 FTS**




**13C5-PFNA**

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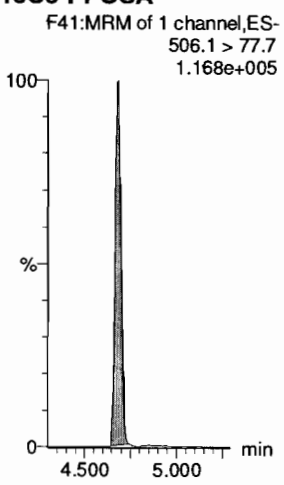
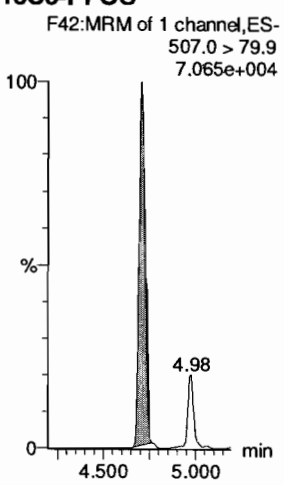



**13C8-PFOS**

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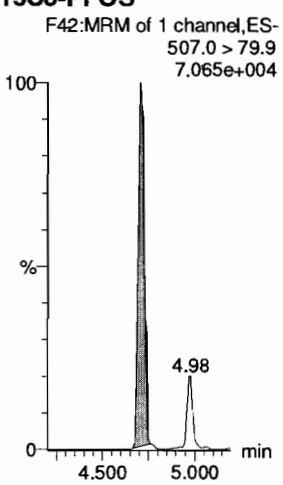


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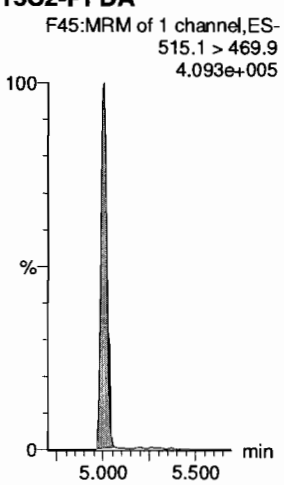
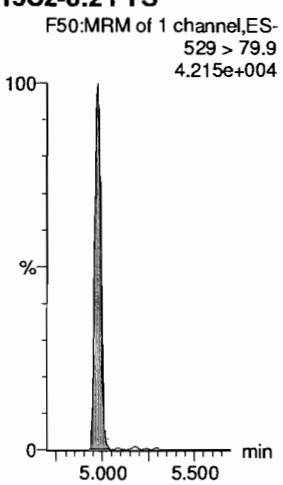



**13C2-8:2 FTS**



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Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

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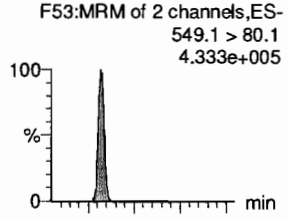
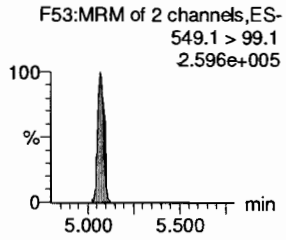
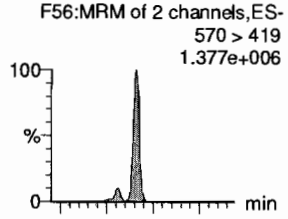
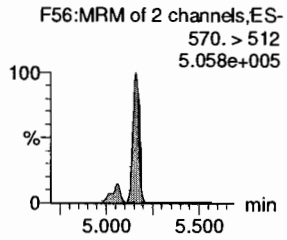



**L-MeFOSAA**

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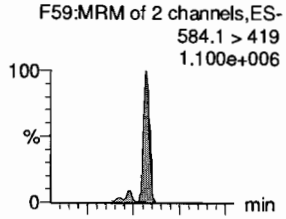


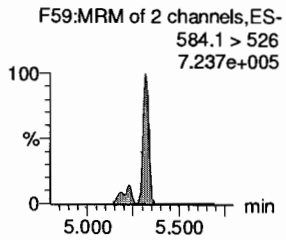


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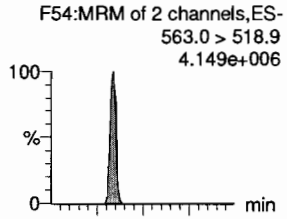


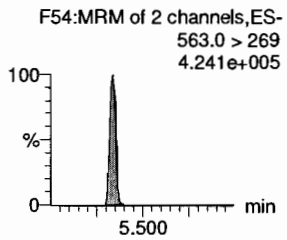


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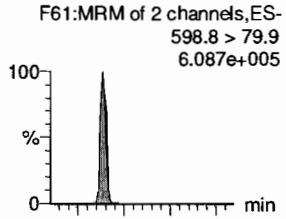


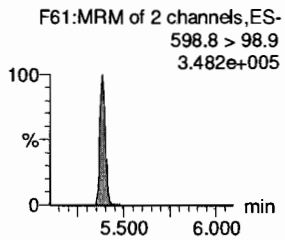


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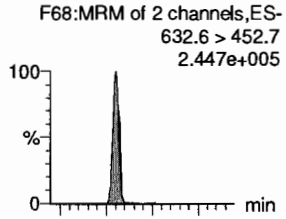
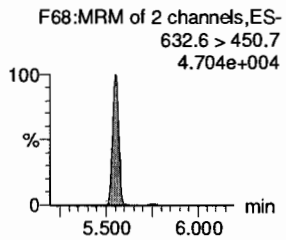
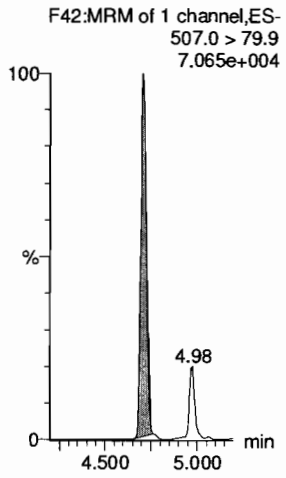
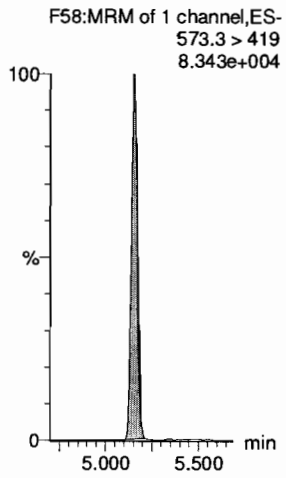



**13C8-PFOS**




**d3-N-MeFOSAA**

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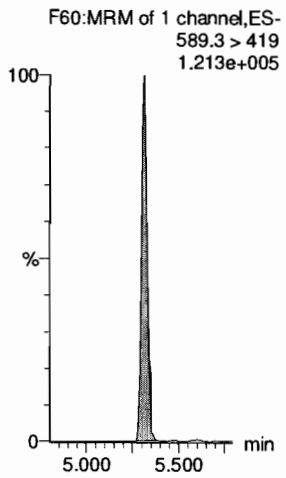
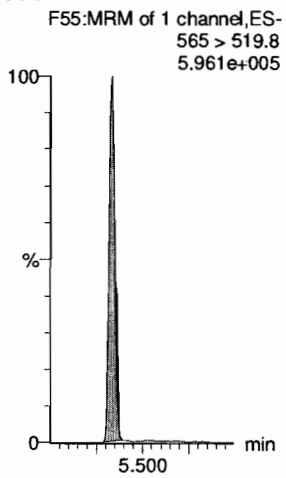
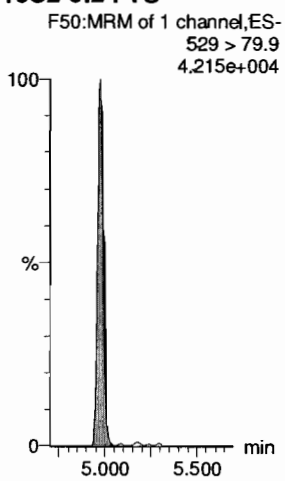



**13C2-PFUdA**




**13C2-8:2 FTS**

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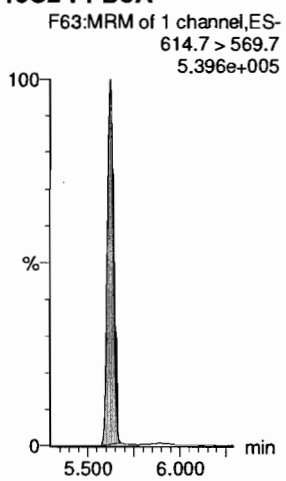

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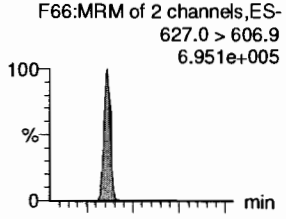
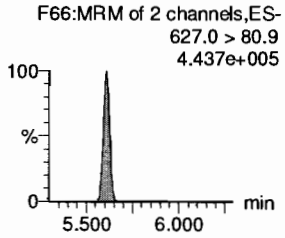
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

**10:2 FTS**

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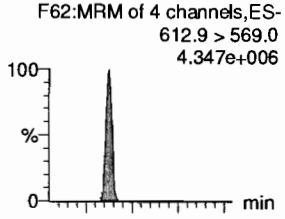
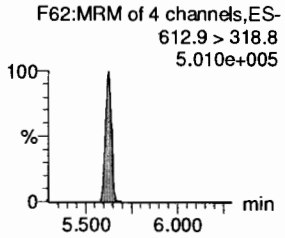
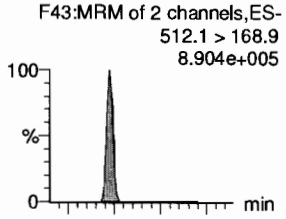
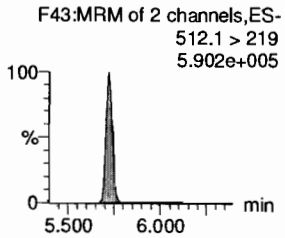


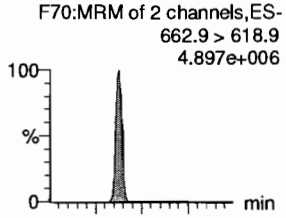



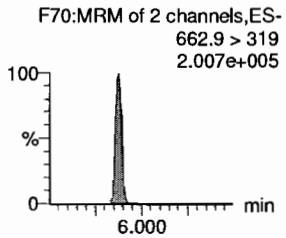

**N-MeFOSA**



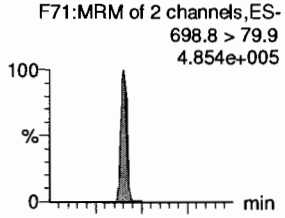



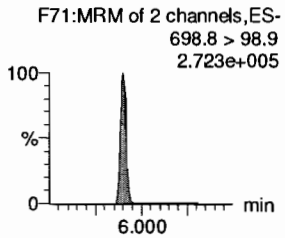

**PFTrDA**



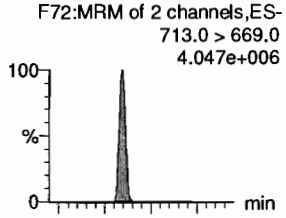



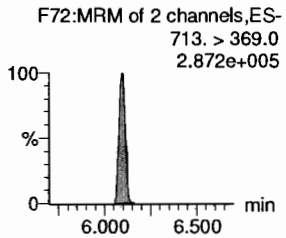

**PFDoS**



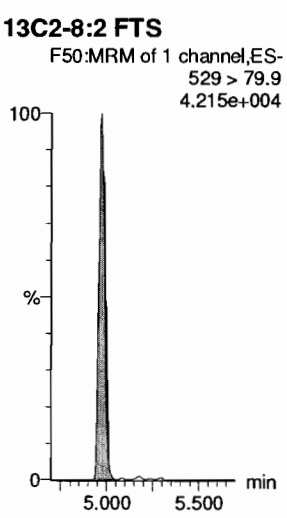




**PFTeDA**

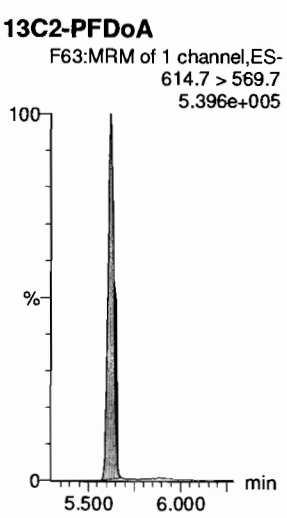


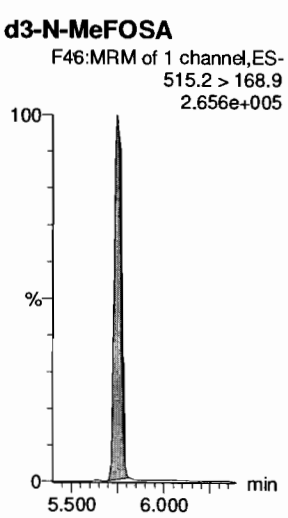

**13C2-8:2 FTS**




**13C2-PFDoA**




**d3-N-MeFOSA**

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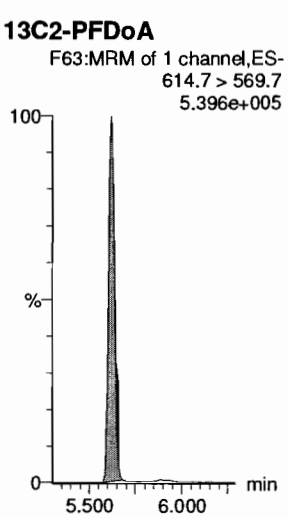


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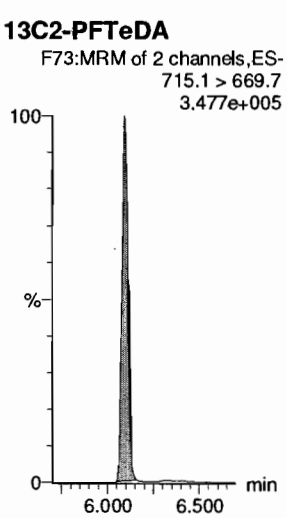


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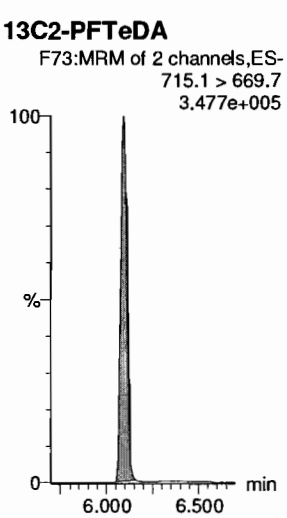
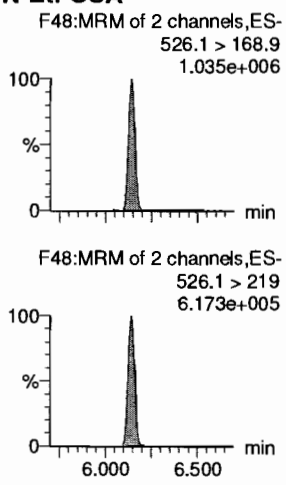


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

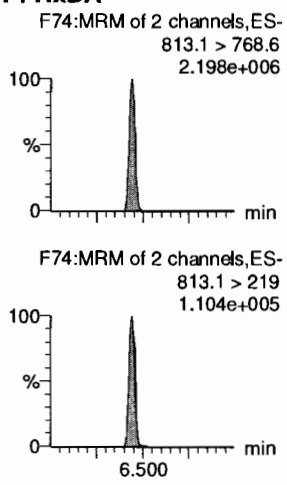
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

**N-EtFOSA**




**PFHxDA**

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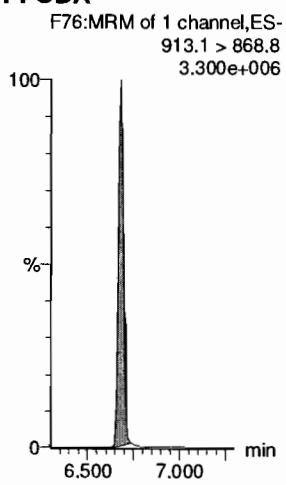
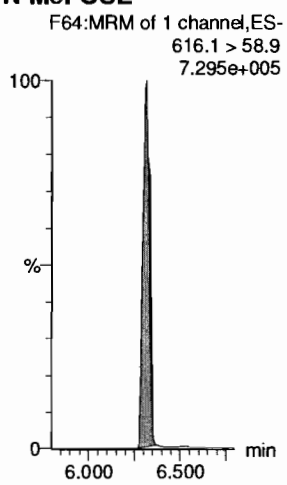
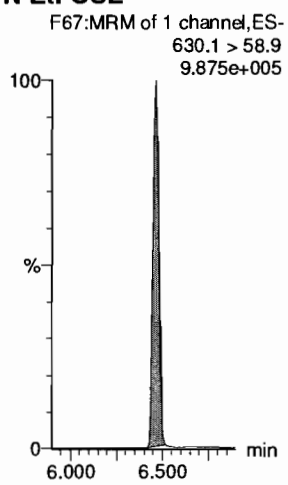


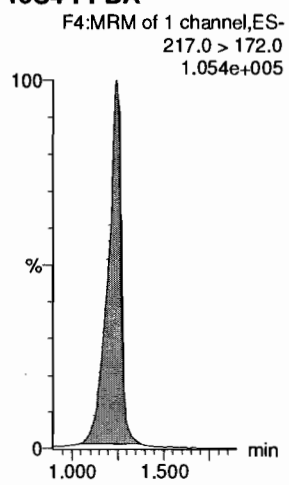

**N-MeFOSE**



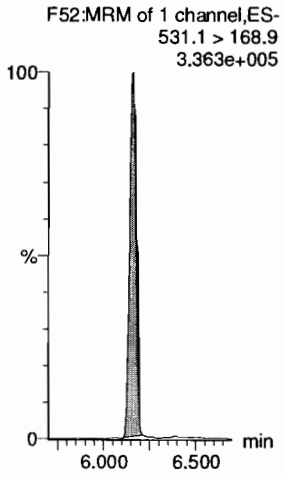

**N-EtFOSE**



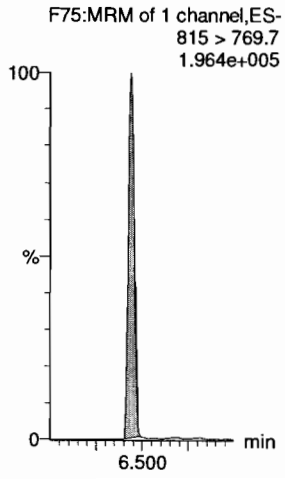

**13C4-PFBA**




**d5-N-ETFOSA**




**13C2-PFHxDA**

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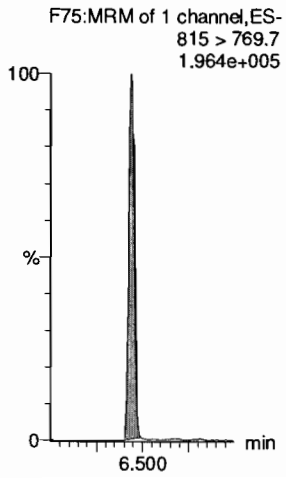
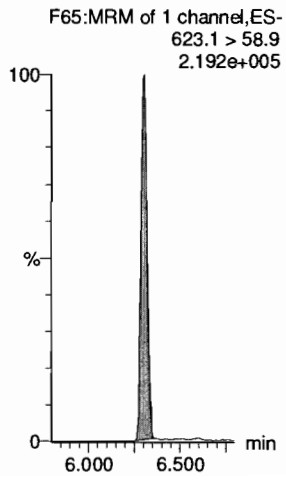
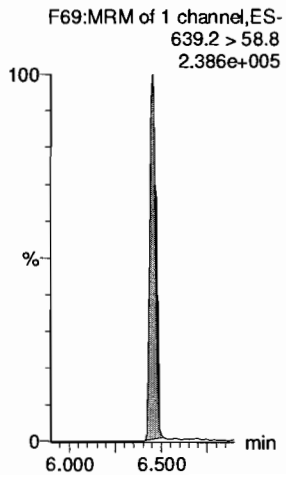


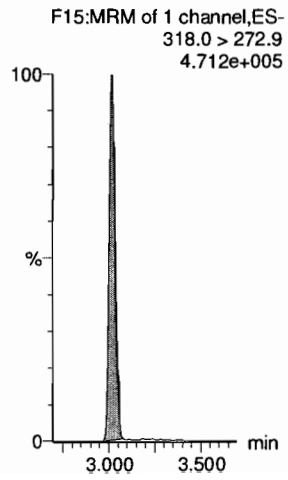

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

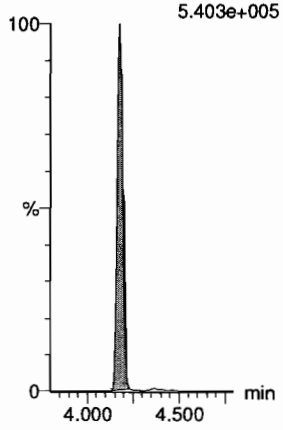


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

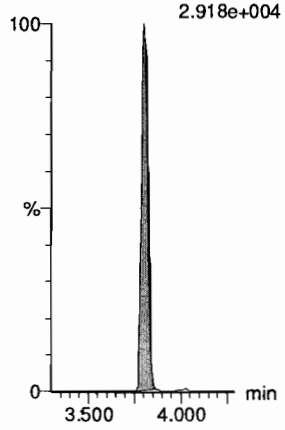
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_15, Date: 06-Aug-2019, Time: 12:58:44, ID: ST190806M1-8 PFC CS5 19G2308, Description: PFC CS5 19G2308**

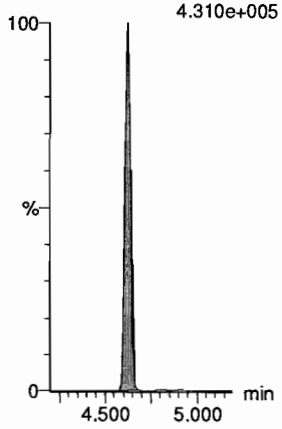
**13C8-PFOA**



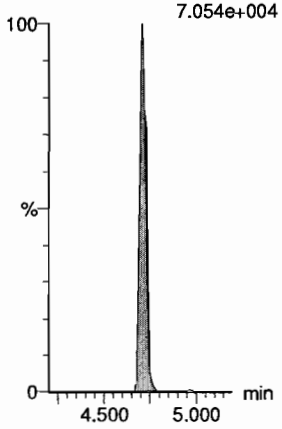

**18O2-PFHxS**



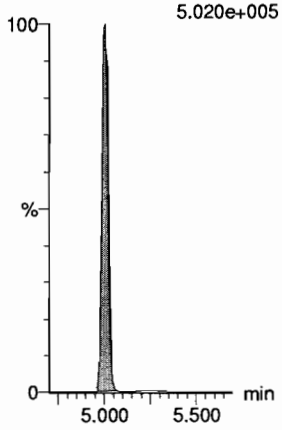

**13C9-PFNA**



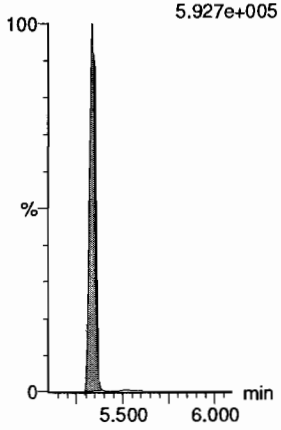

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

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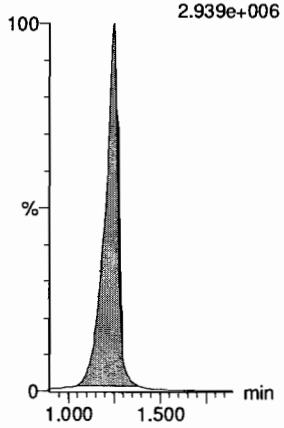
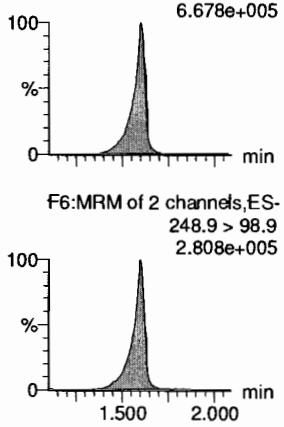
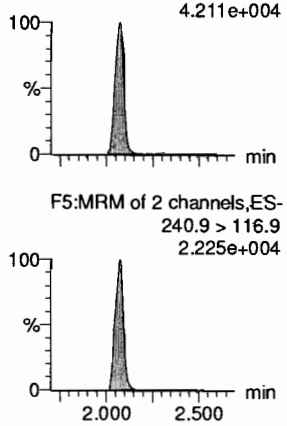


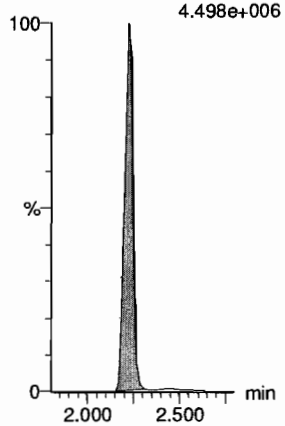

**PFPrS**



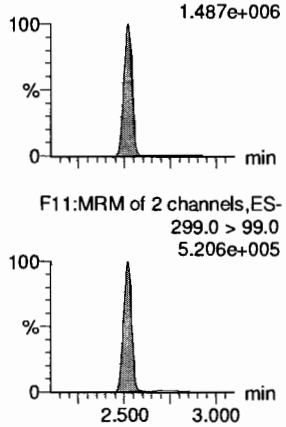

**3:3 FTCA**



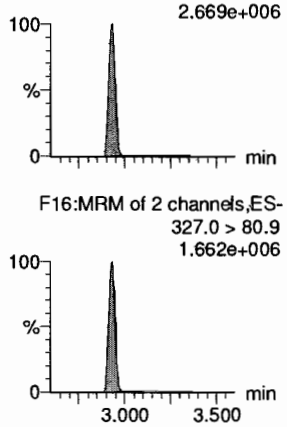

**PFPeA**



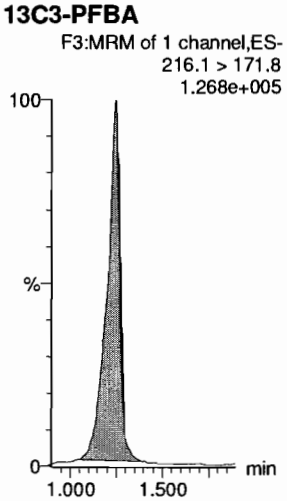

**PFBS**



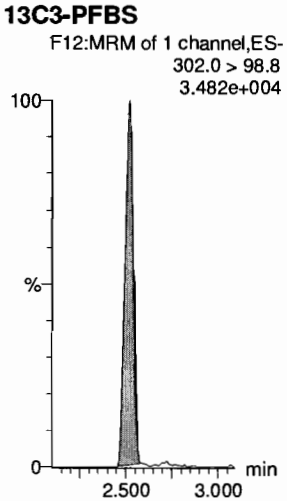

**4:2 FTS**




**13C3-PFBA**




**13C3-PFBS**

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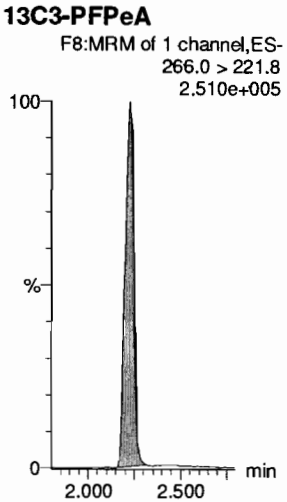
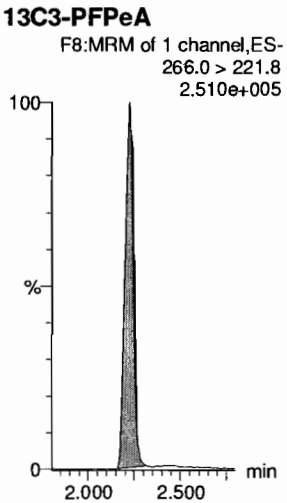



**13C3-PFPeA**

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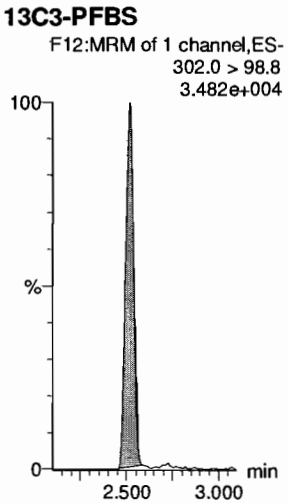
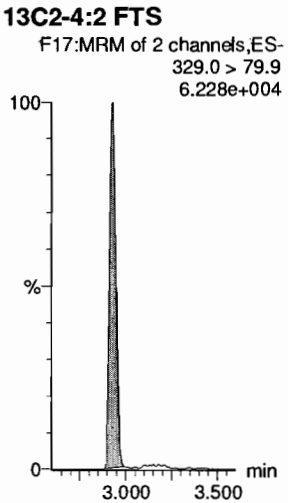



**13C2-4:2 FTS**

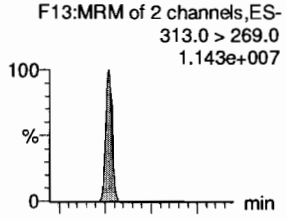


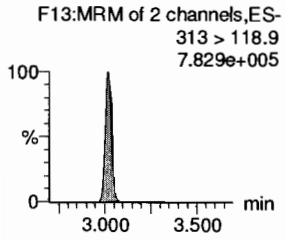
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

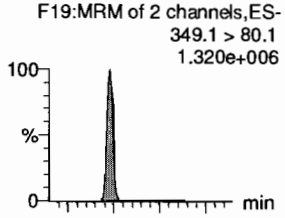
**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

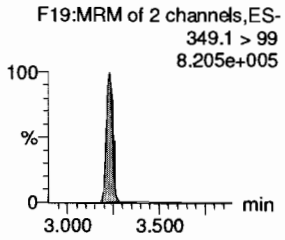
**PFHxA**



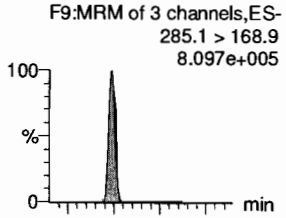



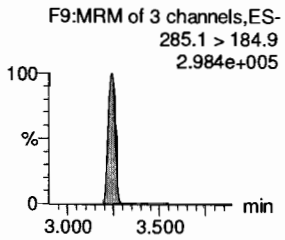

**PFPeS**



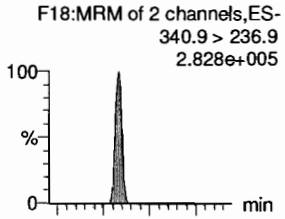



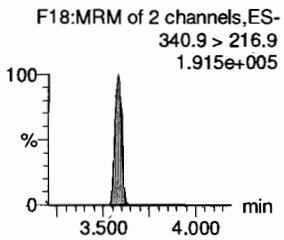

**HFPO-DA**



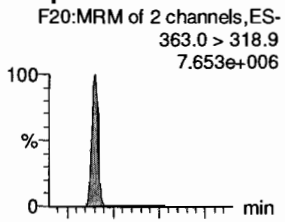



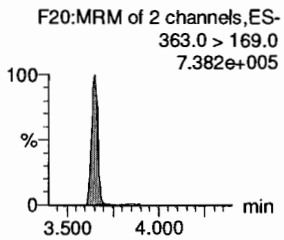

**5:3 FTCA**



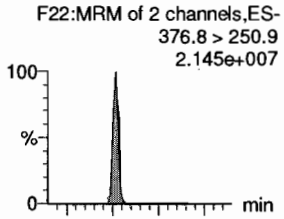



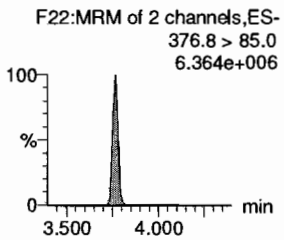

**PFHpA**



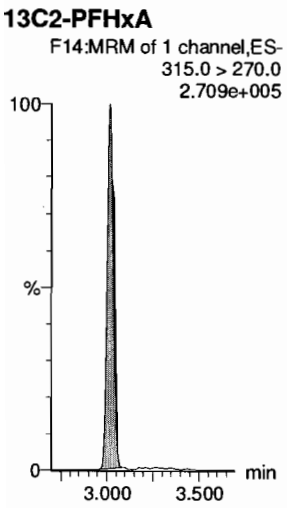




**ADONA**

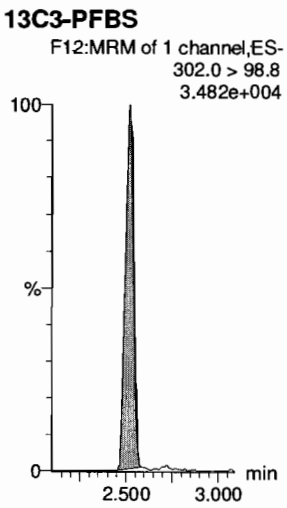


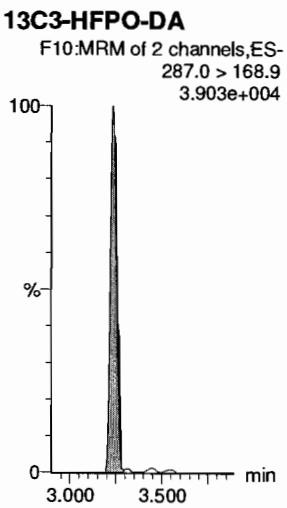

**13C2-PFHxA**



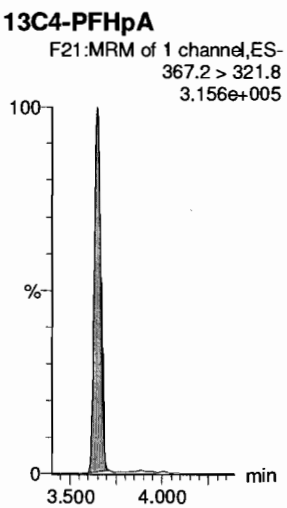

**13C3-PFBS**



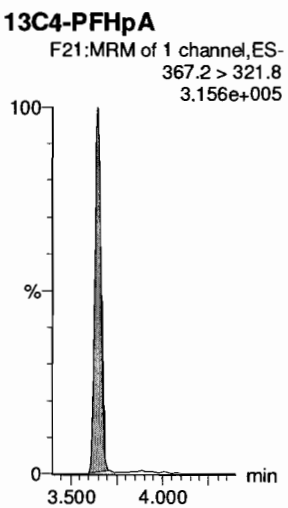

**13C3-HFPO-DA**



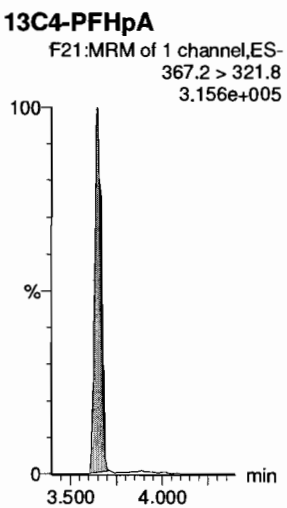

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

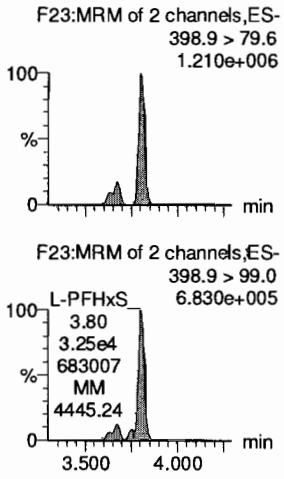


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

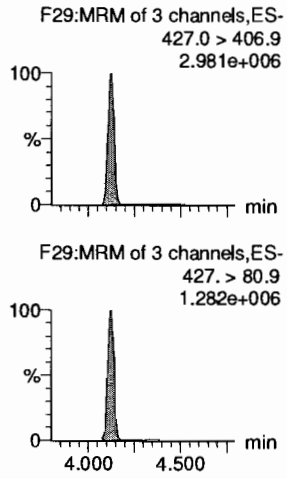
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

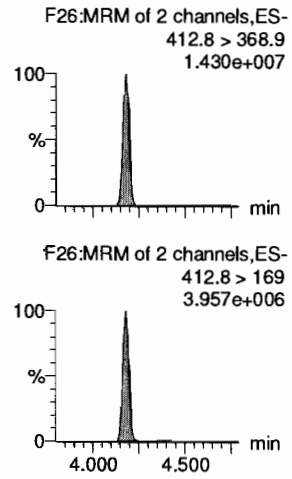
**L-PFHxS**



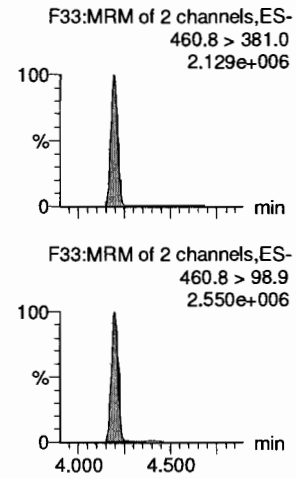

**6:2 FTS**



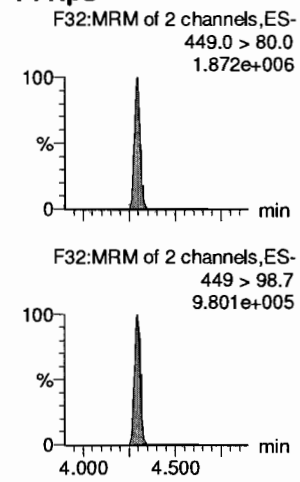

**L-PFOA**



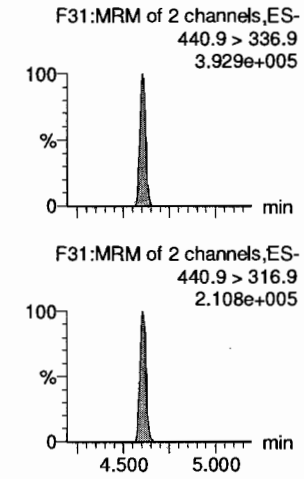

**PFEChS**



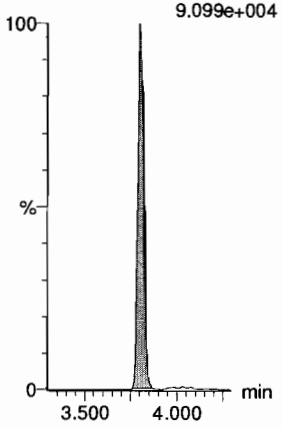

**PFHpS**



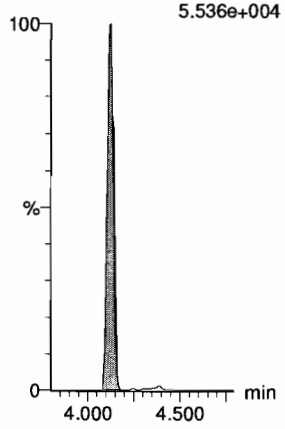

**7:3 FTCA**



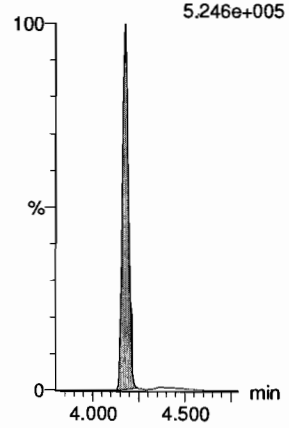

**13C3-PFHxS**



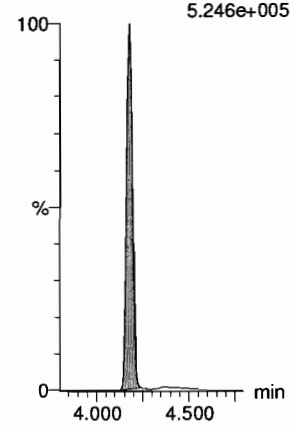

**13C2-6:2 FTS**



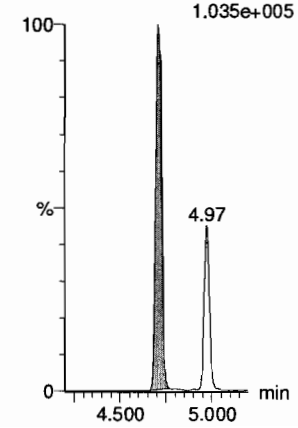

**13C2-PFOA**



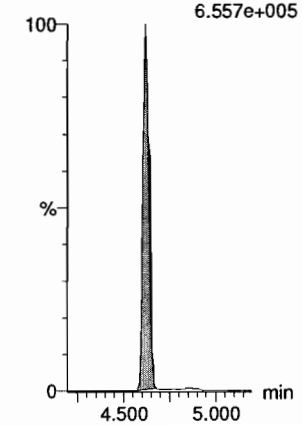

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

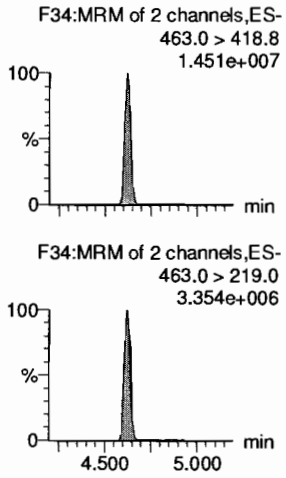


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

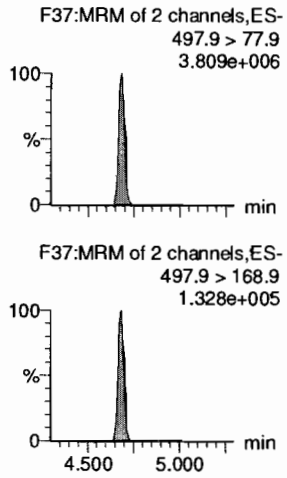
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

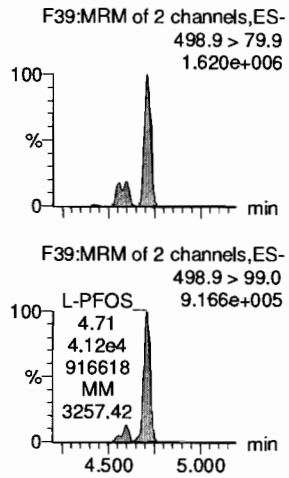
**PFNA**



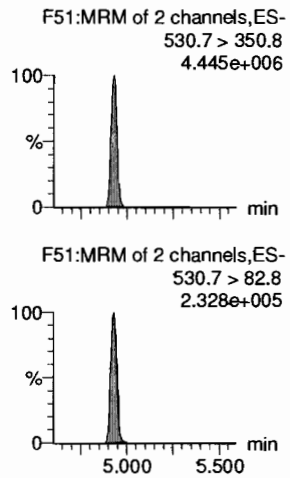

**PFOSA**



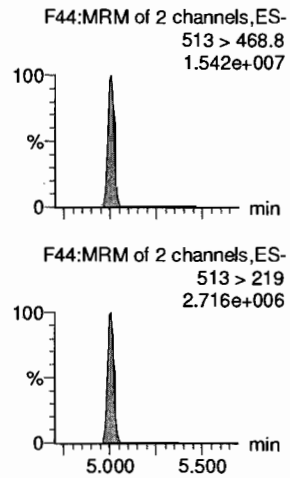

**L-PFOS**



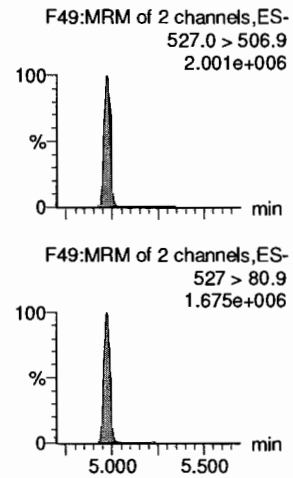

**9Cl-PF30NS**



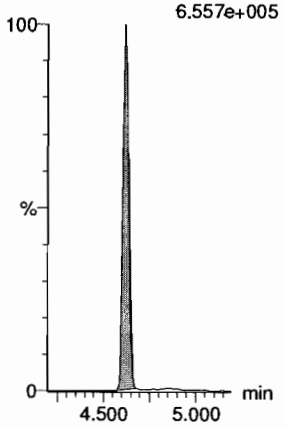

**PFDA**



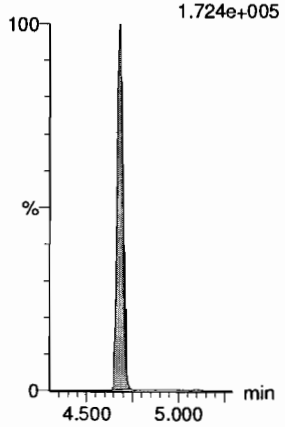

**8:2 FTS**



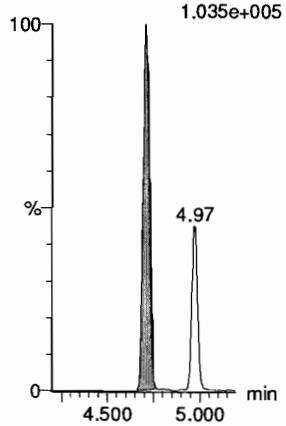

**13C5-PFNA**



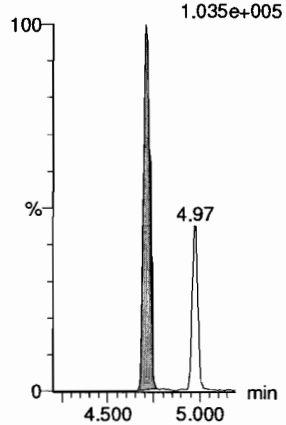

**13C8-PFOSA**



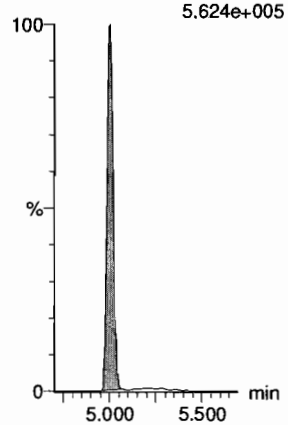

**13C8-PFOS**



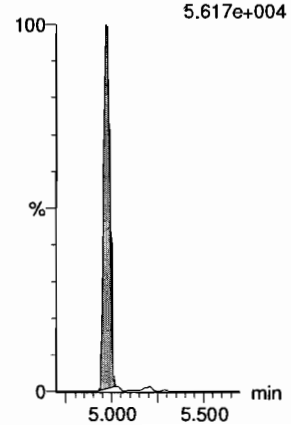

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

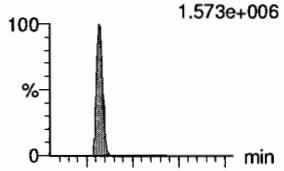


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

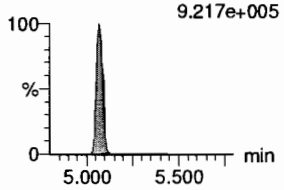
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

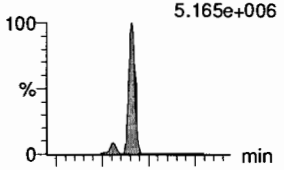
**PFNS**
F53:MRM of 2 channels,ES-
549.1 > 80.1
1.573e+006



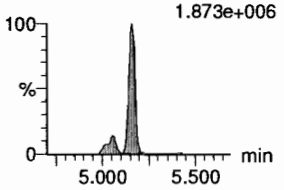

F53:MRM of 2 channels,ES-
549.1 > 99.1
9.217e+005



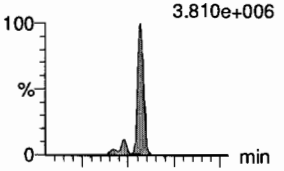

**L-MeFOSAA**
F56:MRM of 2 channels,ES-
570 > 419
5.165e+006



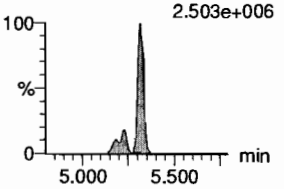

F56:MRM of 2 channels,ES-
570. > 512
1.873e+006



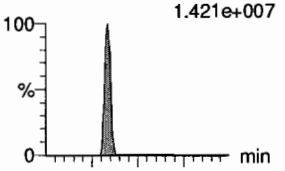

**L-EtFOSAA**
F59:MRM of 2 channels,ES-
584.1 > 419
3.810e+006



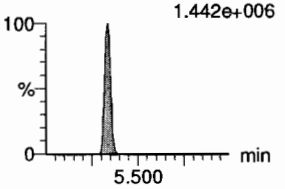

F59:MRM of 2 channels,ES-
584.1 > 526
2.503e+006



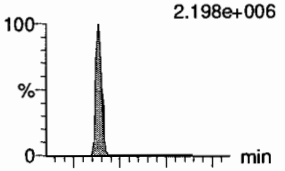

**PFUdA**
F54:MRM of 2 channels,ES-
563.0 > 518.9
1.421e+007



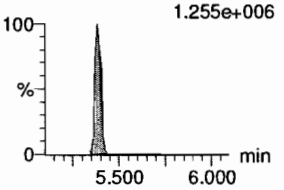

F54:MRM of 2 channels,ES-
563.0 > 269
1.442e+006



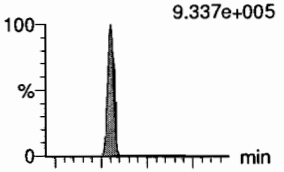

**PFDS**
F61:MRM of 2 channels,ES-
598.8 > 79.9
2.198e+006



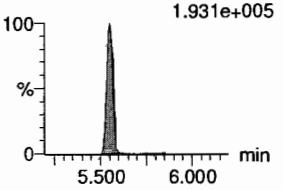

F61:MRM of 2 channels,ES-
598.8 > 98.9
1.255e+006



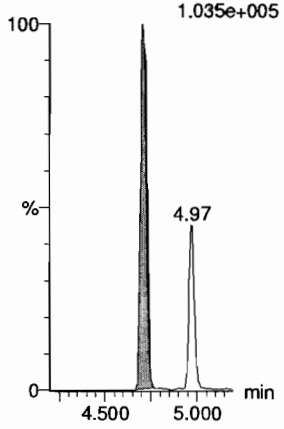

**11Cl-PF30UdS**
F68:MRM of 2 channels,ES-
632.6 > 452.7
9.337e+005



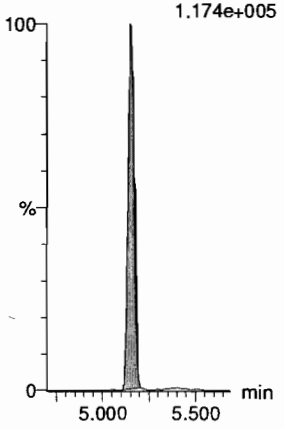

F68:MRM of 2 channels,ES-
632.6 > 450.7
1.931e+005



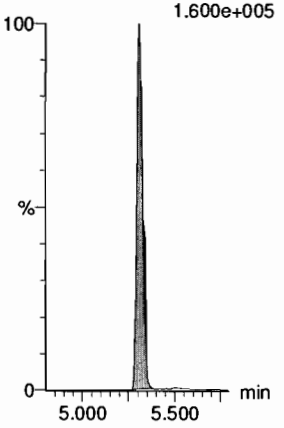

**13C8-PFOS**
F42:MRM of 1 channel,ES-
507.0 > 79.9
1.035e+005



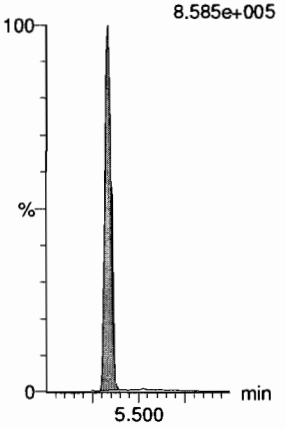

**d3-N-MeFOSAA**
F58:MRM of 1 channel,ES-
573.3 > 419
1.174e+005



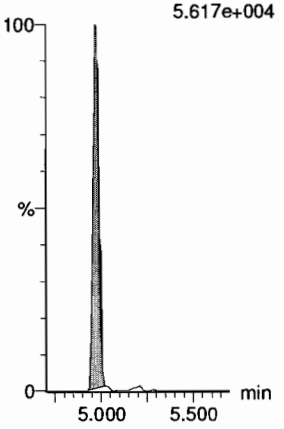

**d5-N-EtFOSAA**
F60:MRM of 1 channel,ES-
589.3 > 419
1.600e+005



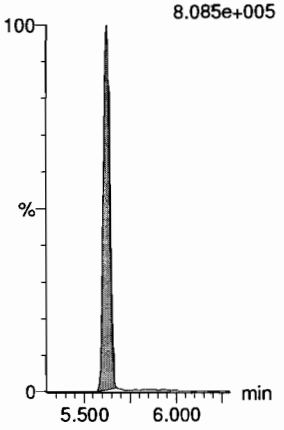

**13C2-PFUdA**
F55:MRM of 1 channel,ES-
565 > 519.8
8.585e+005




**13C2-8:2 FTS**
F50:MRM of 1 channel,ES-
529 > 79.9
5.617e+004




**13C2-PFDoA**
F63:MRM of 1 channel,ES-
614.7 > 569.7
8.085e+005

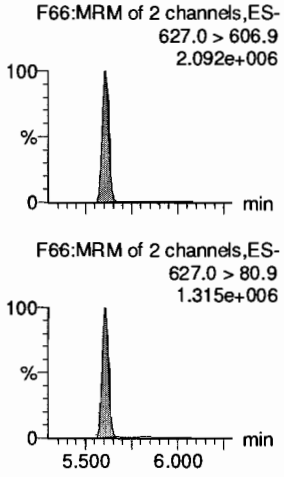


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

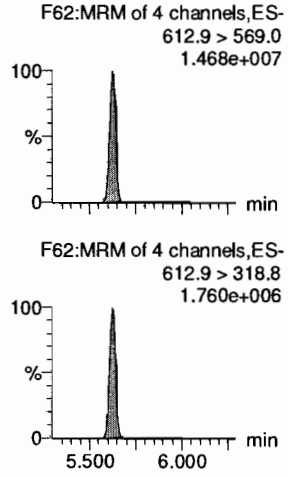
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

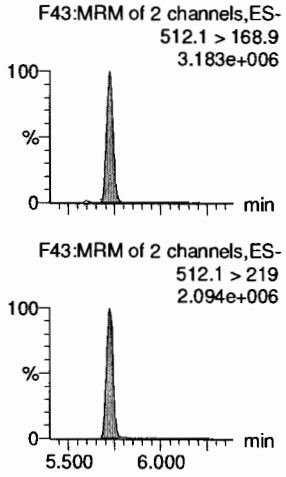
**10:2 FTS**



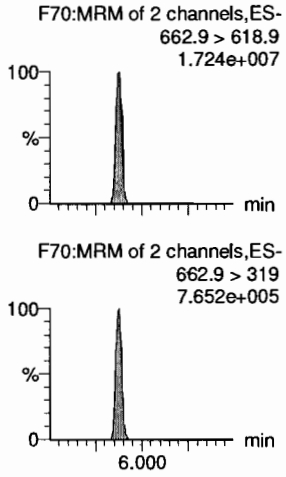

**PFDoA**



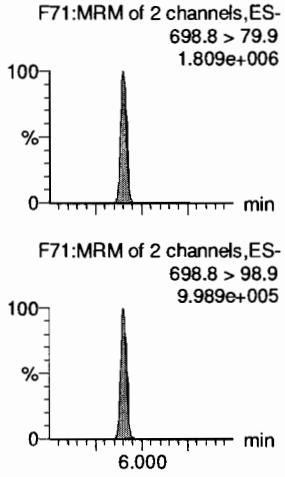

**N-MeFOSA**



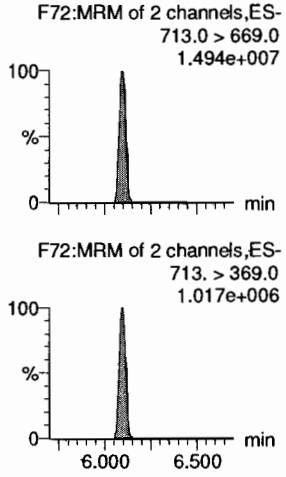

**PFTrDA**



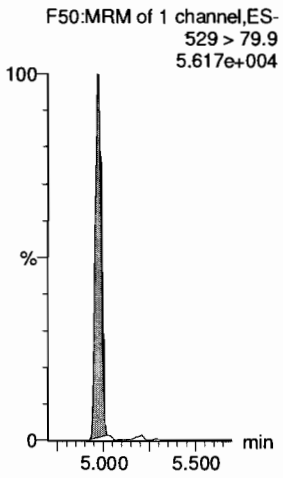

**PFDoS**



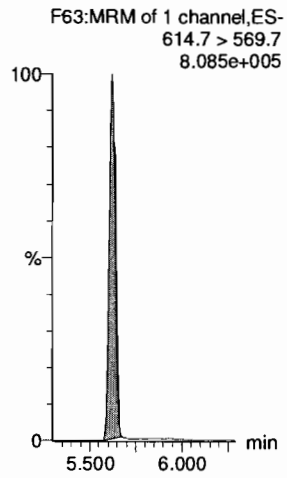

**PFTeDA**



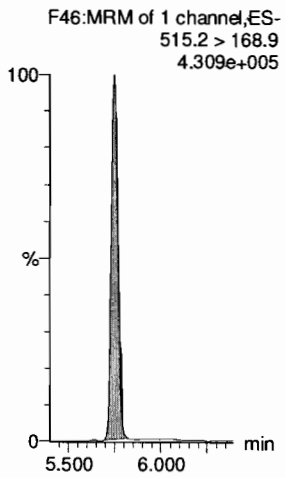

**13C2-8:2 FTS**



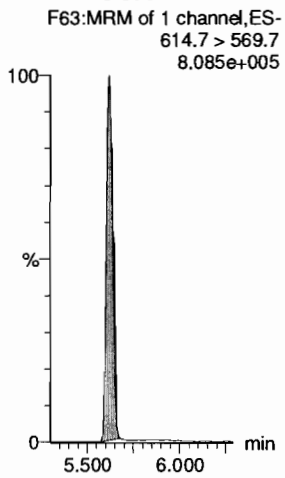

**13C2-PFDoA**



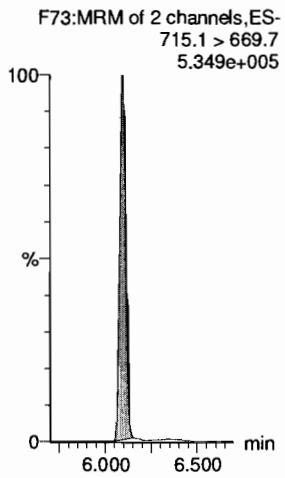

**d3-N-MeFOSA**



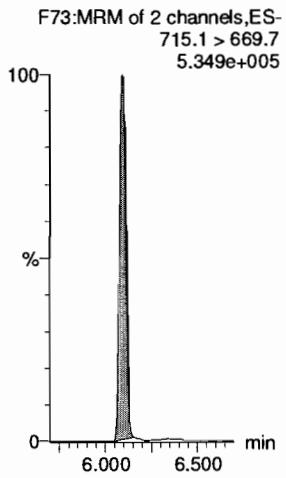

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

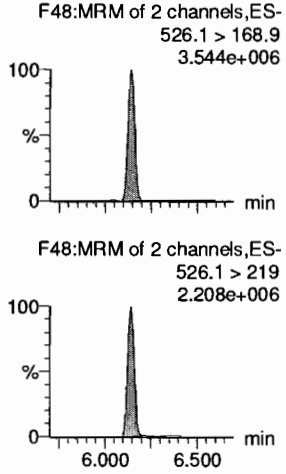


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

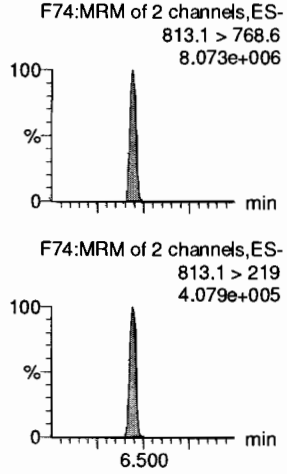
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

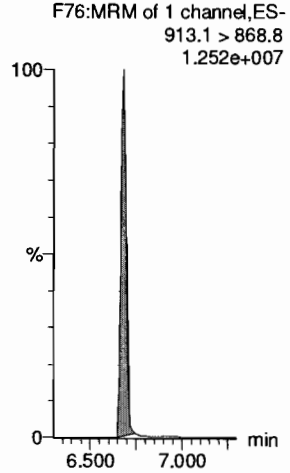
**N-EtFOSA**



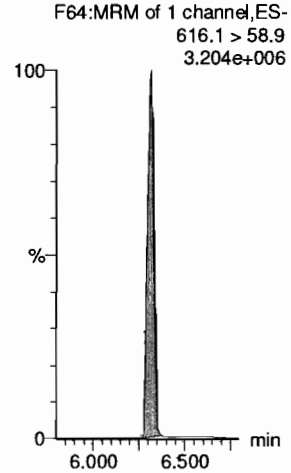

**PFHxDA**



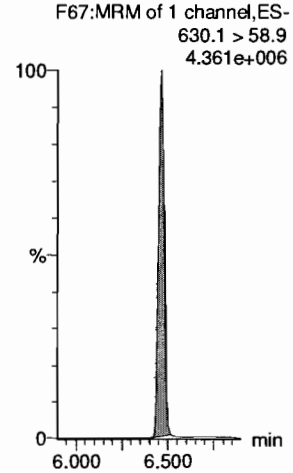

**PFODA**



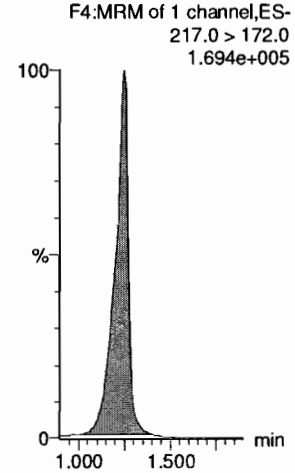

**N-MeFOSE**



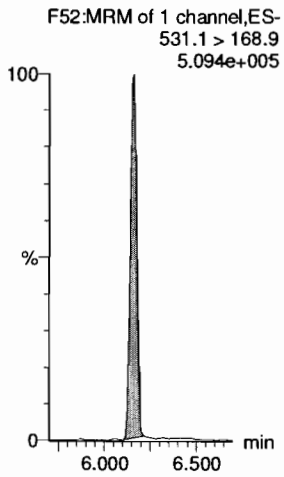

**N-EtFOSE**



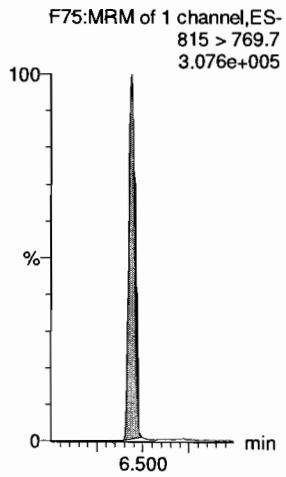

**13C4-PFBA**



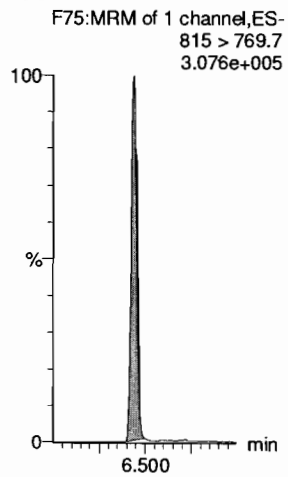

**d5-N-ETFOSA**



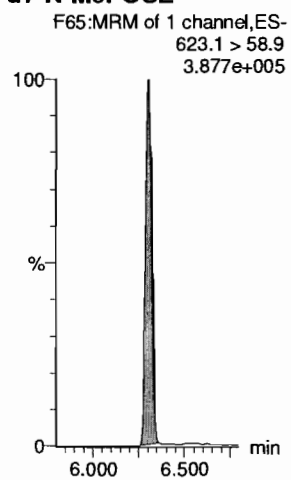

**13C2-PFHxDA**



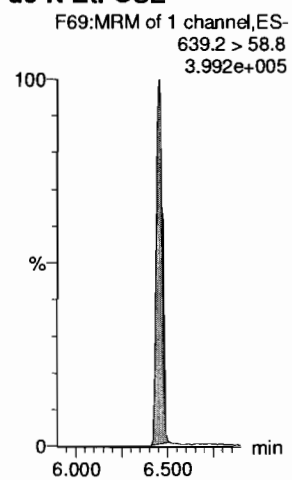

**13C2-PFHxDA**



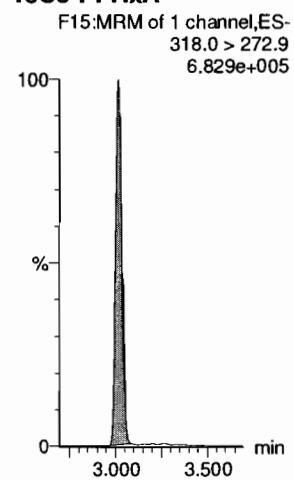

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

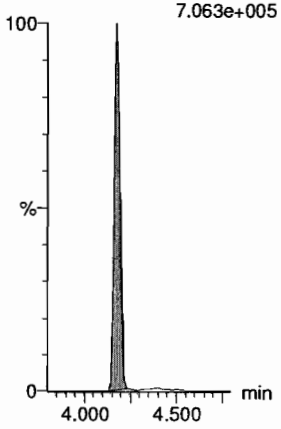


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

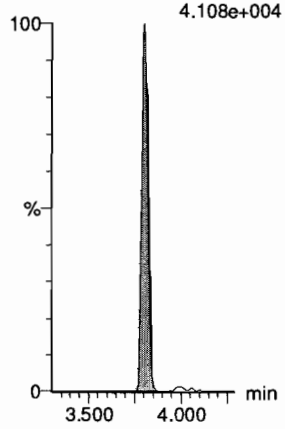
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_16, Date: 06-Aug-2019, Time: 13:09:22, ID: ST190806M1-9 PFC CS6 19G2309, Description: PFC CS6 19G2309**

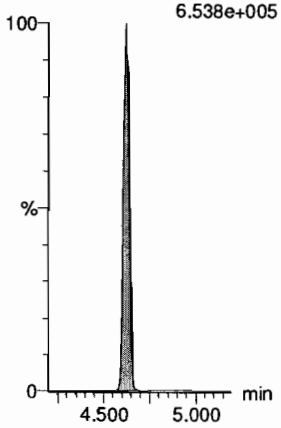
**13C8-PFOA**



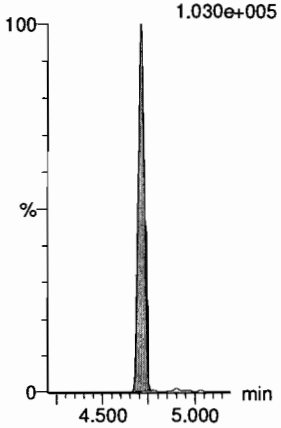

**18O2-PFHxS**



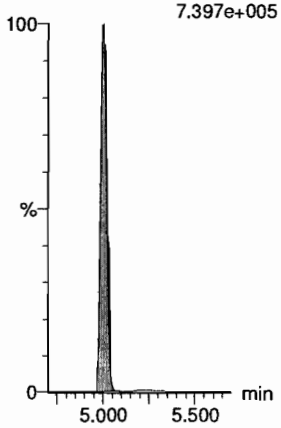

**13C9-PFNA**



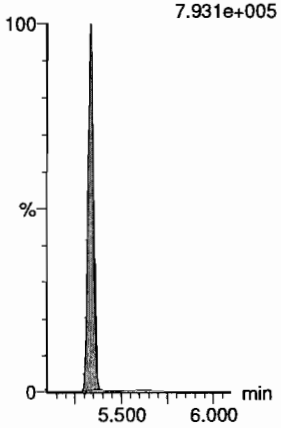

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**

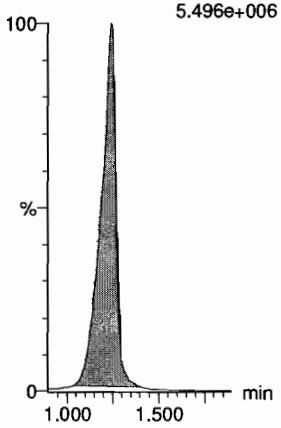


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

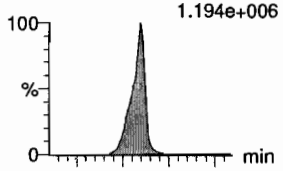
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

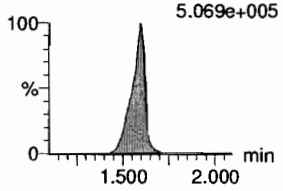
**PFBA**
F2:MRM of 1 channel,ES-
213.0 > 168.8
5.496e+006



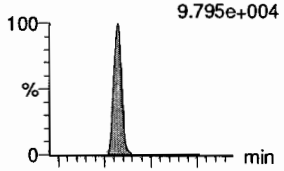

**PFPrS**
F6:MRM of 2 channels,ES-
248.9 > 79.9
1.194e+006



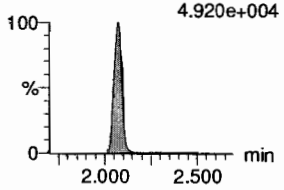

F6:MRM of 2 channels,ES-
248.9 > 98.9
5.069e+005



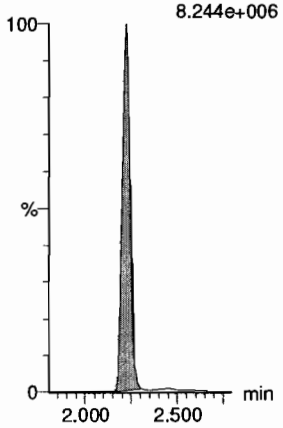

**3:3 FTCA**
F5:MRM of 2 channels,ES-
240.9 > 176.9
9.795e+004



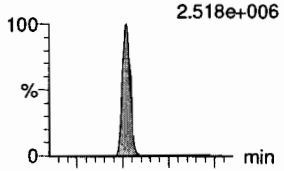

F5:MRM of 2 channels,ES-
240.9 > 116.9
4.920e+004



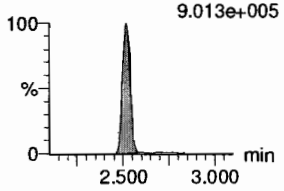

**PFPeA**
F7:MRM of 1 channel,ES-
263.1 > 218.9
8.244e+006



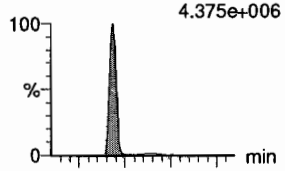

**PFBS**
F11:MRM of 2 channels,ES-
299.0 > 79.7
2.518e+006



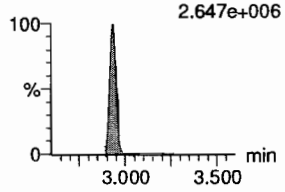

F11:MRM of 2 channels,ES-
299.0 > 99.0
9.013e+005



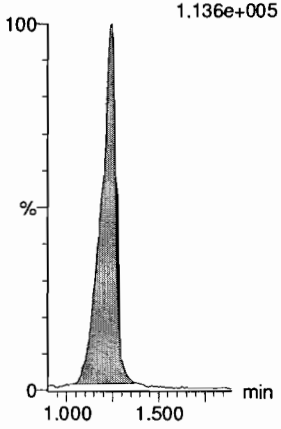

**4:2 FTS**
F16:MRM of 2 channels,ES-
327.0 > 306.9
4.375e+006



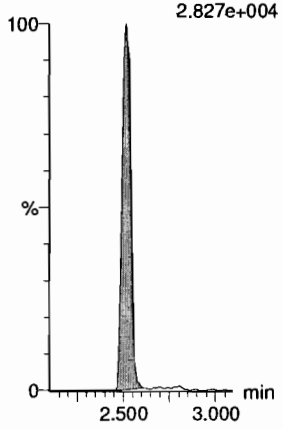

F16:MRM of 2 channels,ES-
327.0 > 80.9
2.647e+006



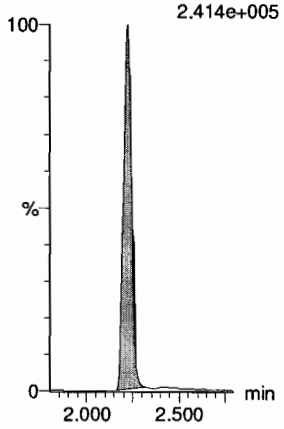

**13C3-PFBA**
F3:MRM of 1 channel,ES-
216.1 > 171.8
1.136e+005



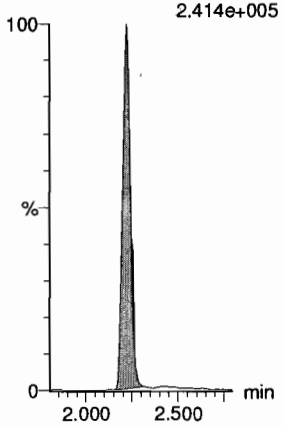

**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.827e+004



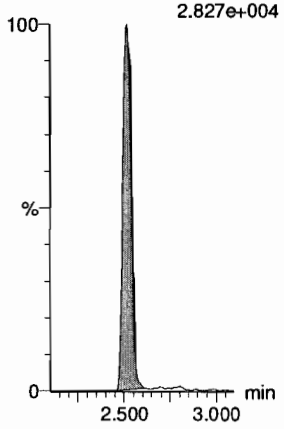

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
2.414e+005



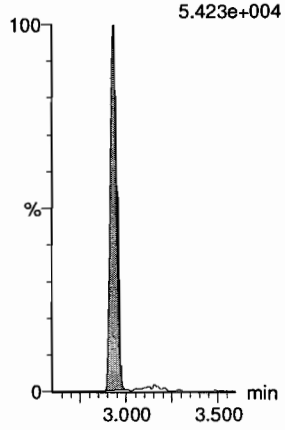

**13C3-PFPeA**
F8:MRM of 1 channel,ES-
266.0 > 221.8
2.414e+005




**13C3-PFBS**
F12:MRM of 1 channel,ES-
302.0 > 98.8
2.827e+004




**13C2-4:2 FTS**
F17:MRM of 2 channels,ES-
329.0 > 79.9
5.423e+004

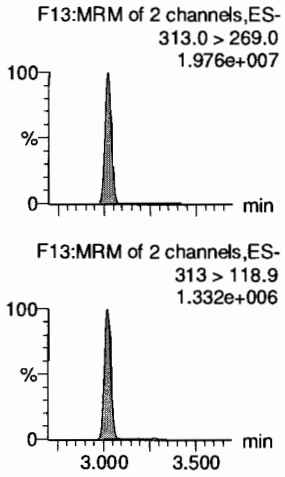


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

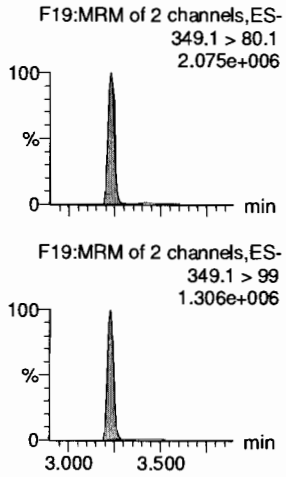
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

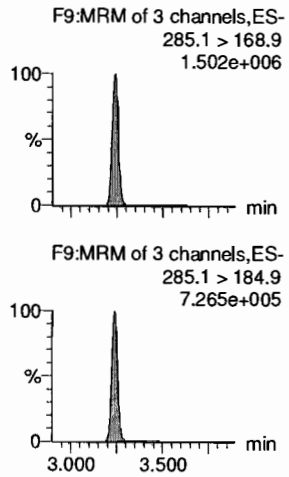
**PFHxA**



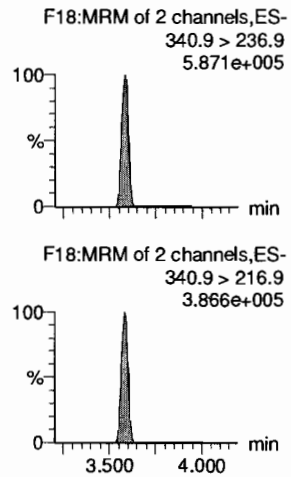

**PFPeS**



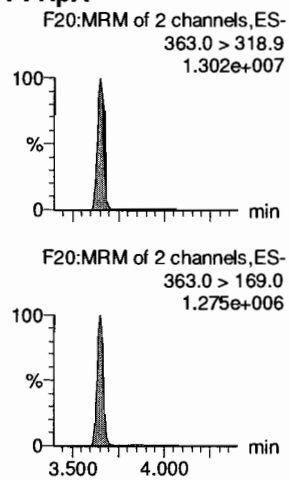

**HFPO-DA**



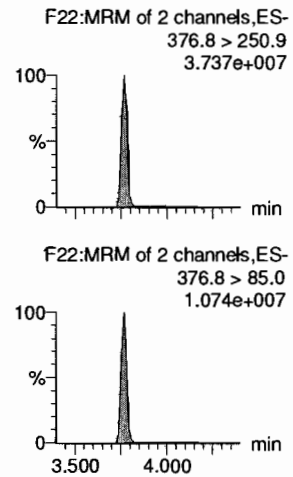

**5:3 FTCA**



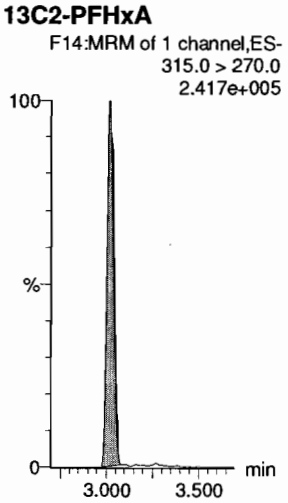

**PFHpA**



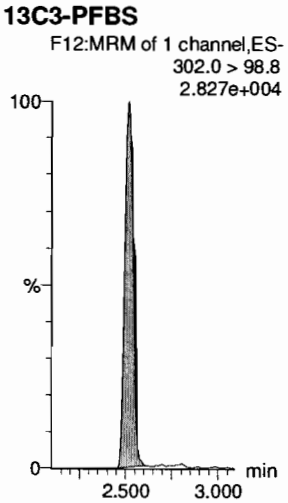

**ADONA**



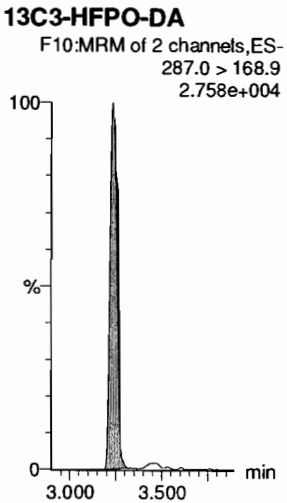

**13C2-PFHxA**



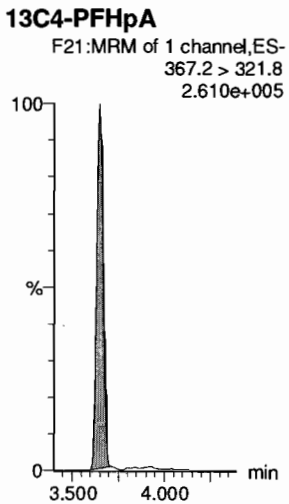

**13C3-PFBS**



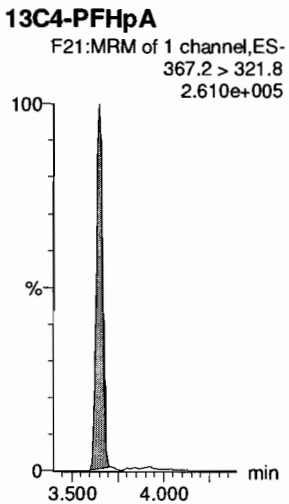

**13C3-HFPO-DA**



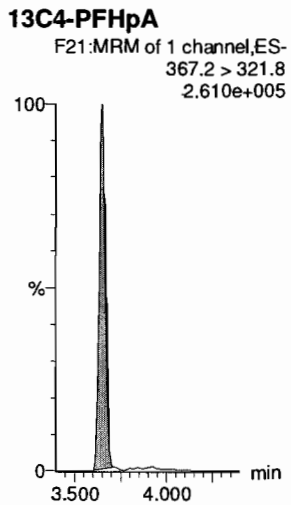

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

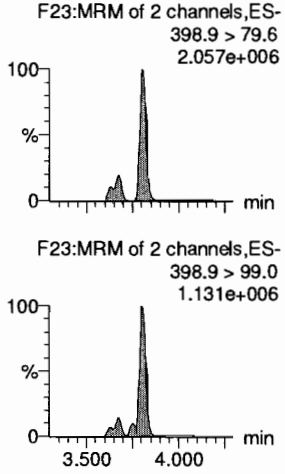


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

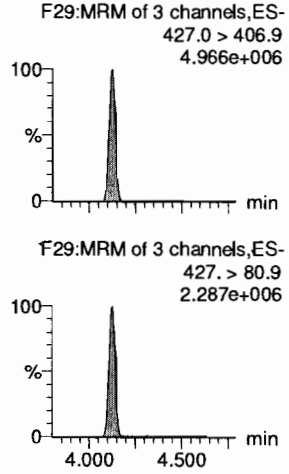
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

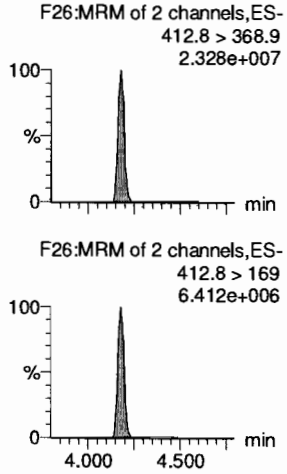
**L-PFHxS**



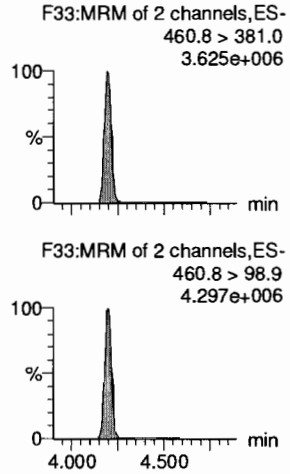

**6:2 FTS**



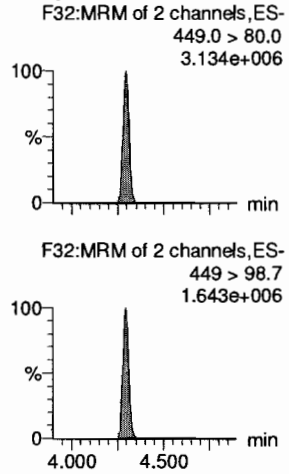

**L-PFOA**



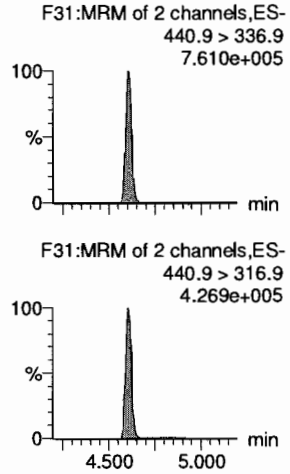

**PFEChS**



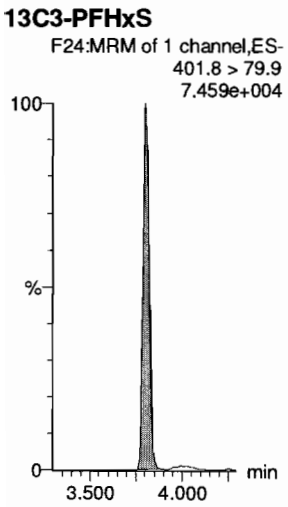

**PFHpS**



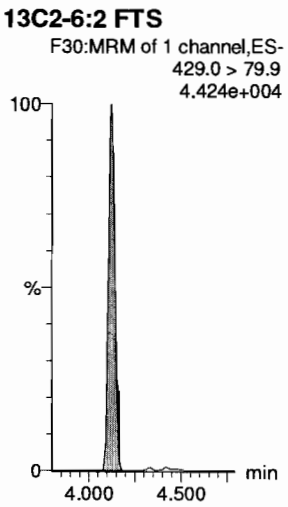

**7:3 FTCA**



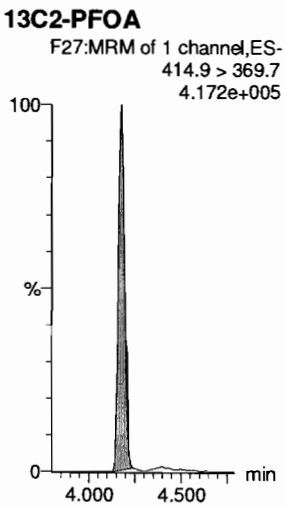

**13C3-PFHxS**



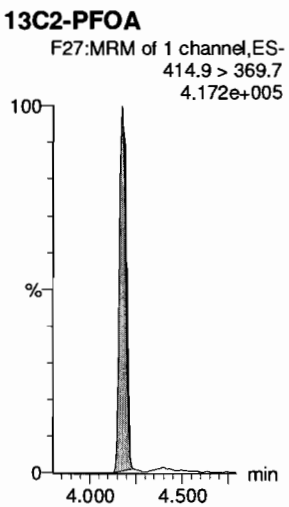

**13C2-6:2 FTS**



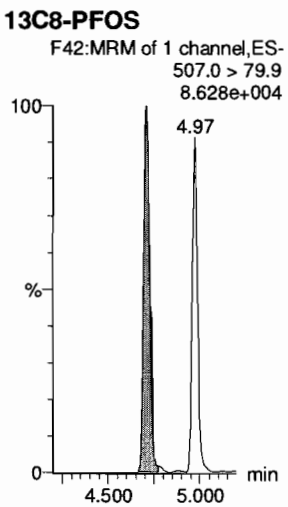

**13C2-PFOA**



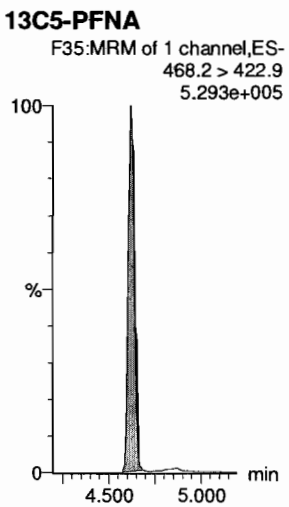

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

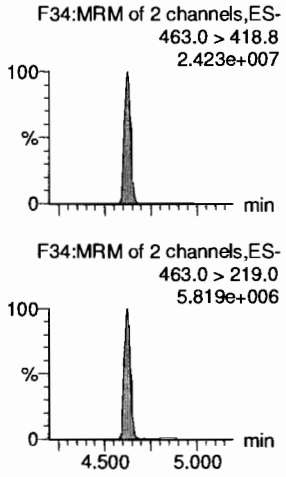


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

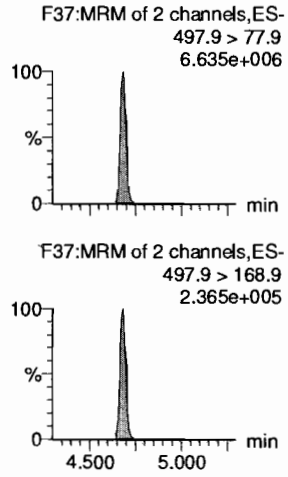
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

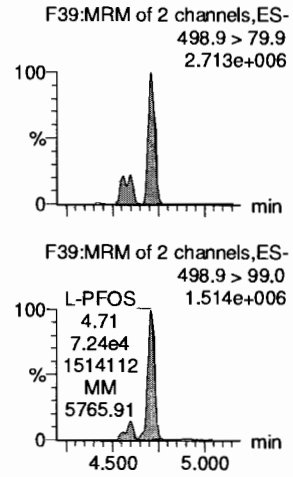
**PFNA**



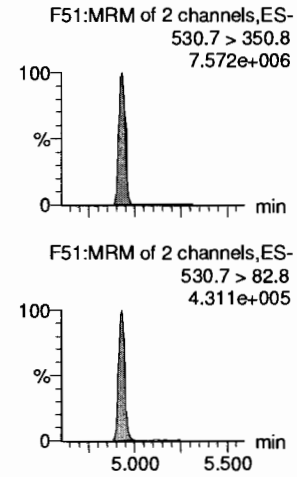

**PFOSA**



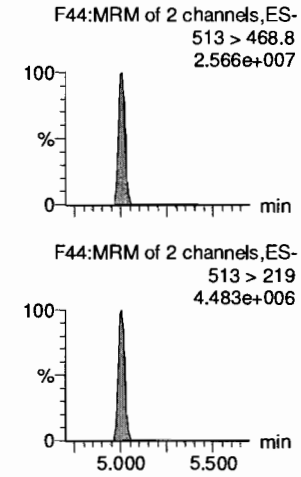

**L-PFOS**



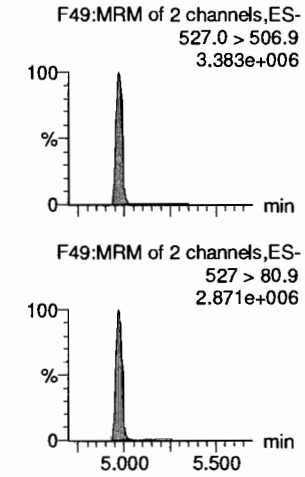

**9Cl-PF30NS**



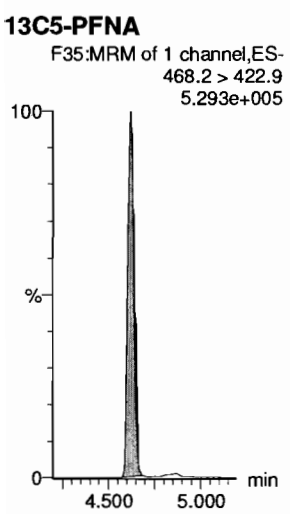

**PFDA**



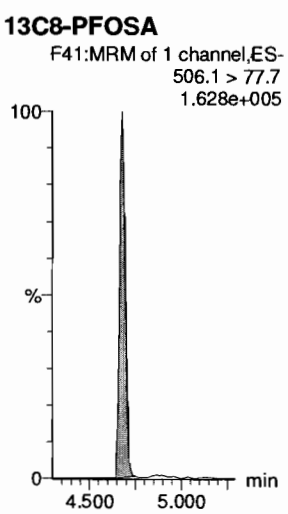

**8:2 FTS**



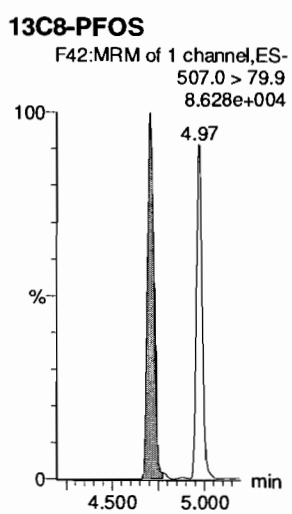

**13C5-PFNA**



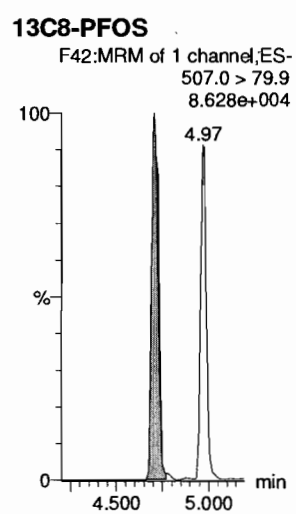

**13C8-PFOSA**



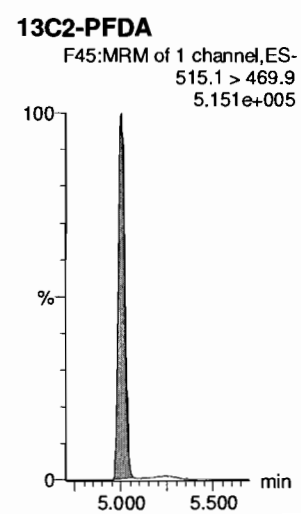

**13C8-PFOS**



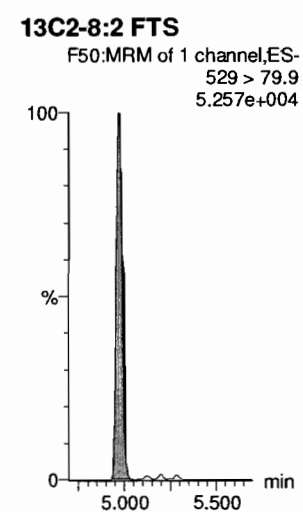

**13C8-PFOS**




**13C2-PFDA**




**13C2-8:2 FTS**

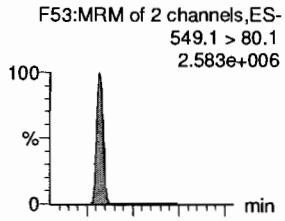


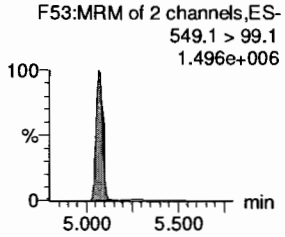
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

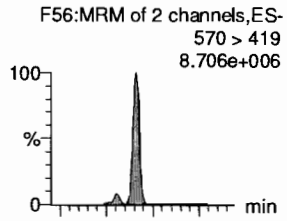
**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

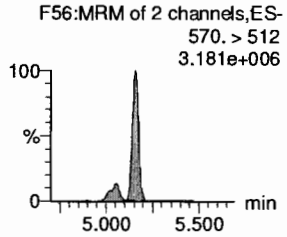
**PFNS**



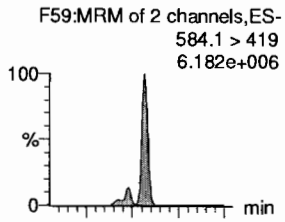



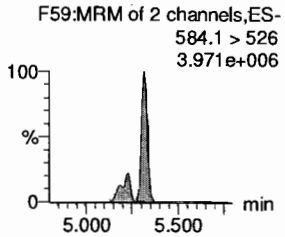

**L-MeFOSAA**



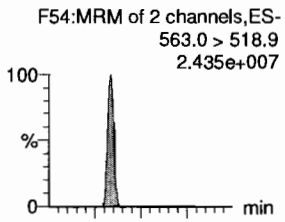



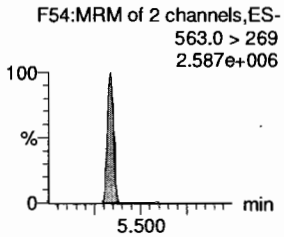

**L-EtFOSAA**



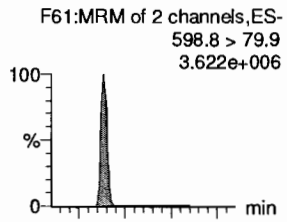



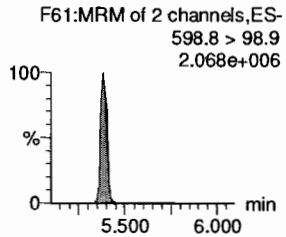

**PFUdA**



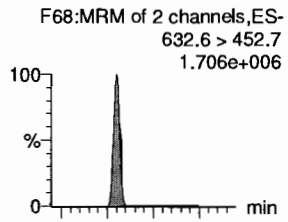



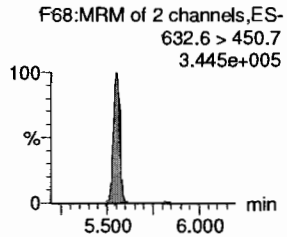

**PFDS**



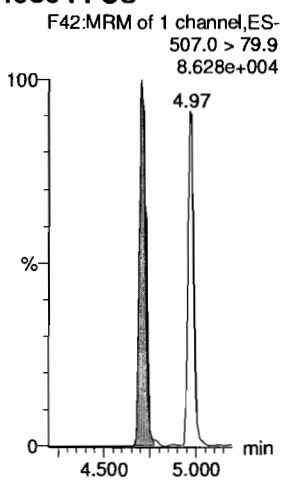




**11Cl-PF30UdS**

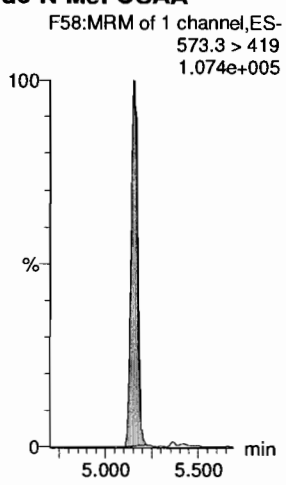


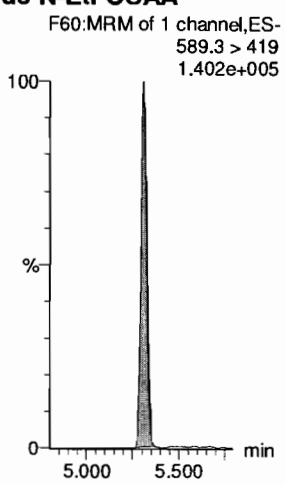

**13C8-PFOS**



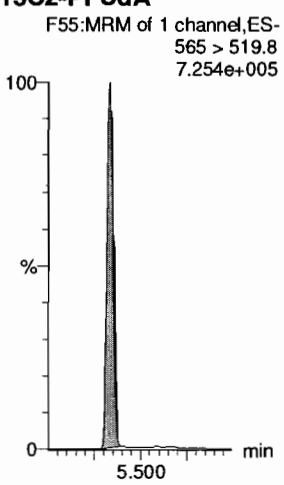

**d3-N-MeFOSAA**



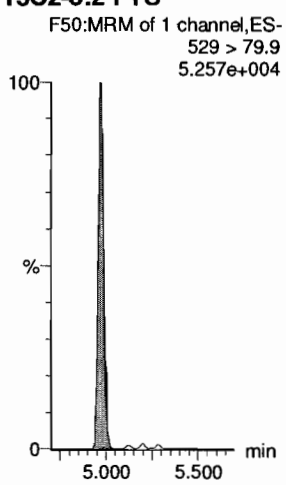

**d5-N-EtFOSAA**



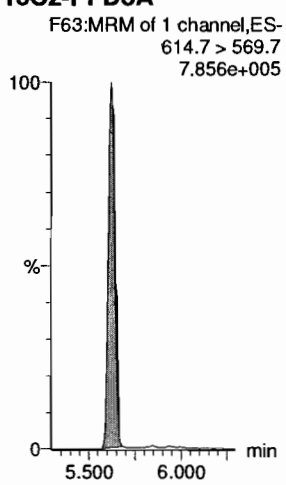

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**

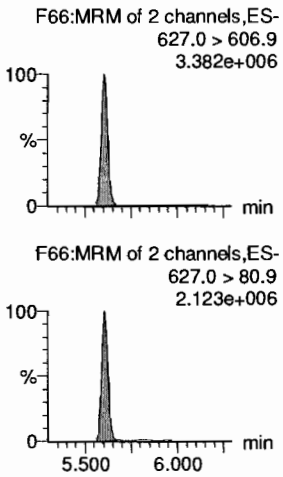


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

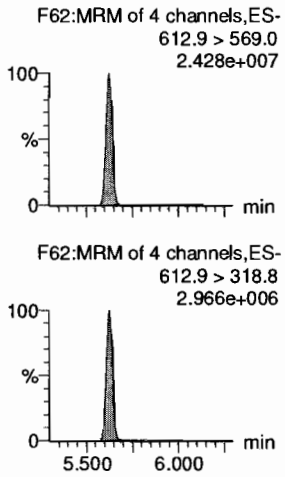
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

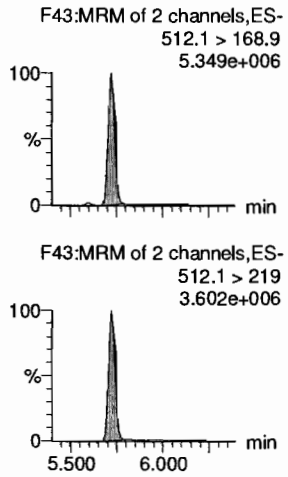
**10:2 FTS**



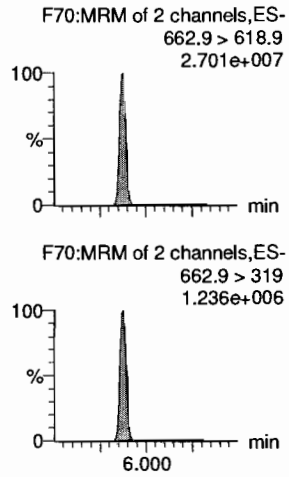

**PFDoA**



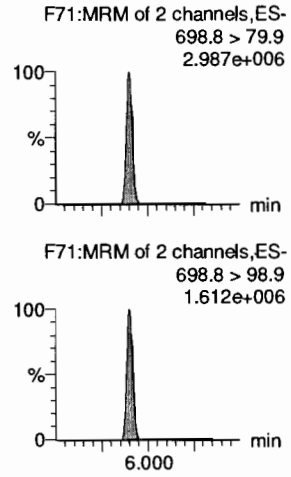

**N-MeFOSA**



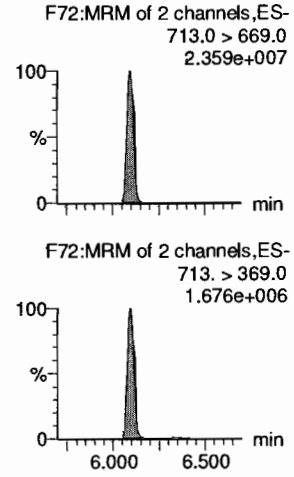

**PFTrDA**



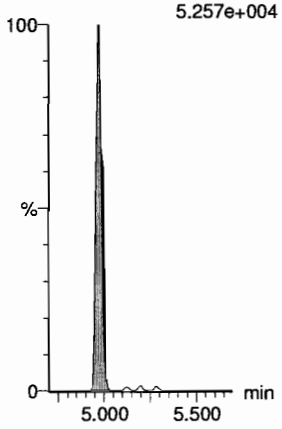

**PFDoS**



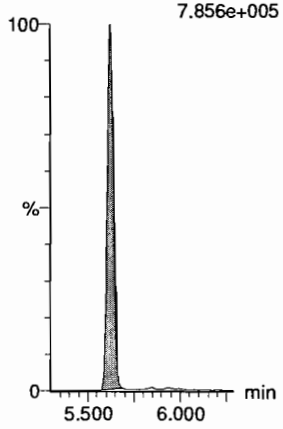

**PFTeDA**



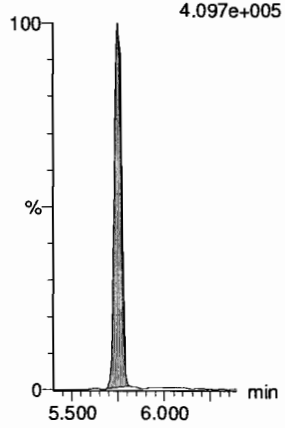

**13C2-8:2 FTS**



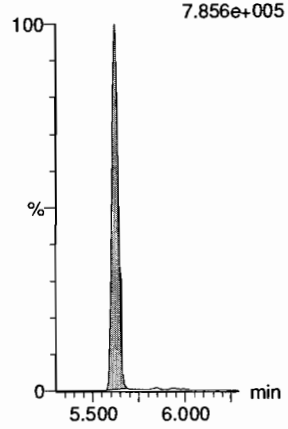

**13C2-PFDoA**



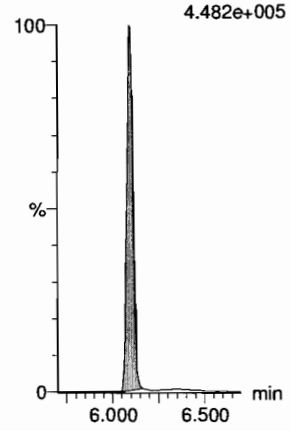

**d3-N-MeFOSA**



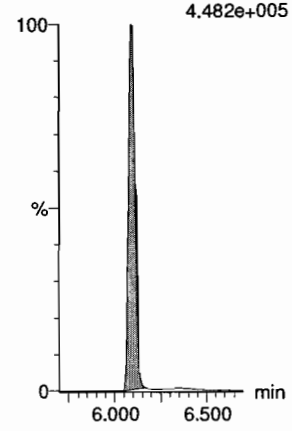

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

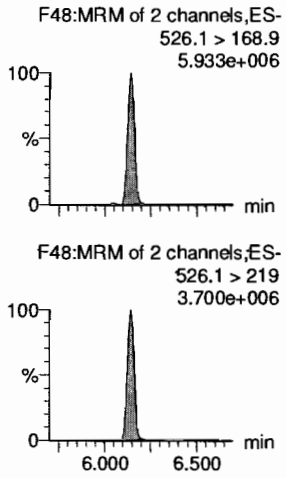


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

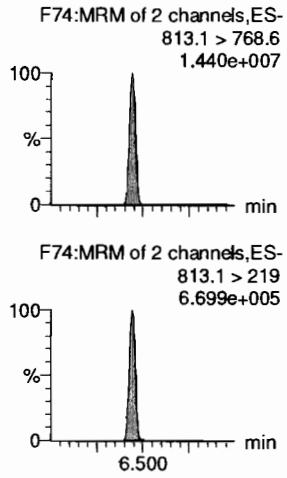
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

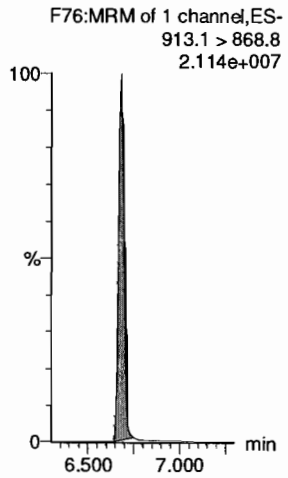
**N-EtFOSA**



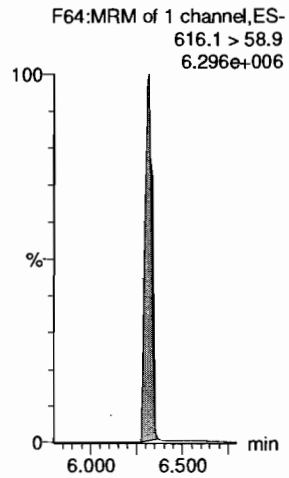

**PFHxDA**



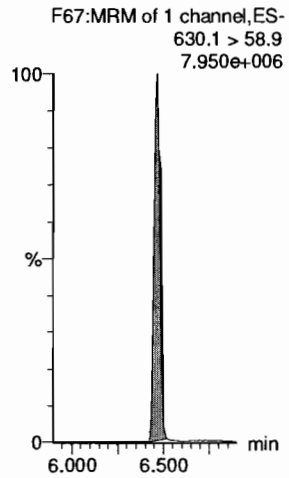

**PFODA**



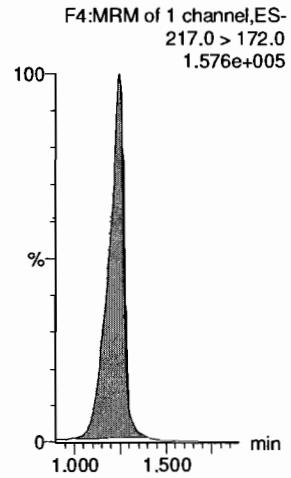

**N-MeFOSE**



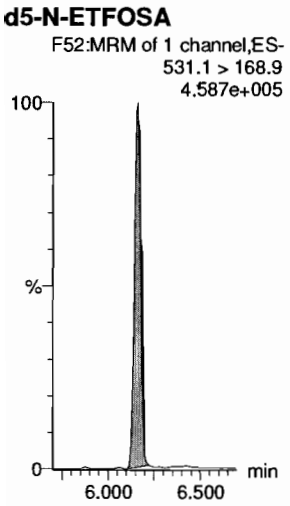

**N-EtFOSE**



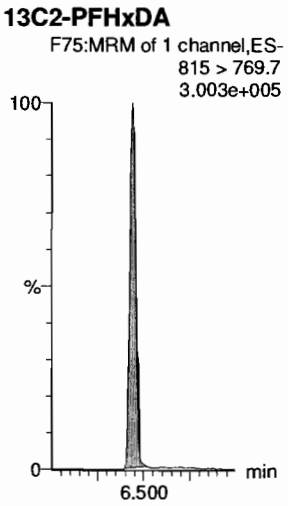

**13C4-PFBA**



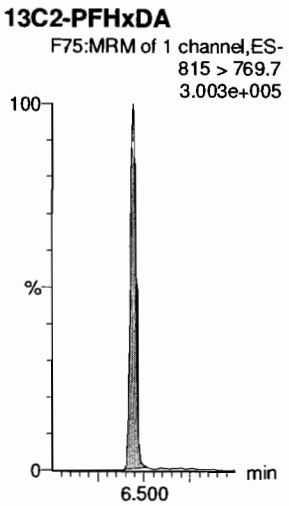

**d5-N-ETFOSA**



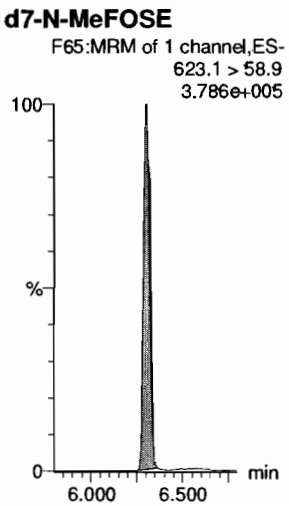

**13C2-PFHxDA**



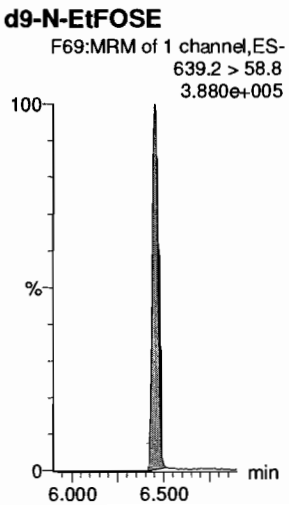

**13C2-PFHxDA**



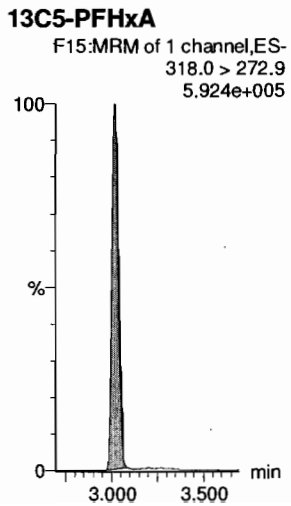

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

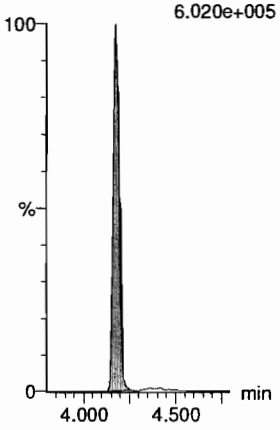


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-CRV.qld

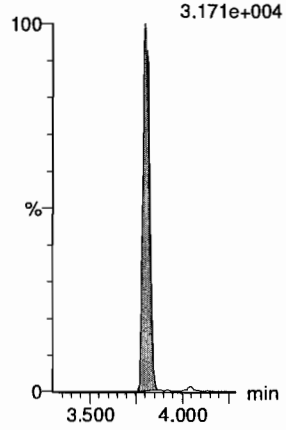
Last Altered: Tuesday, August 06, 2019 14:25:35 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:25:51 Pacific Daylight Time

**Name: 190806M1_17, Date: 06-Aug-2019, Time: 13:19:56, ID: ST190806M1-10 PFC CS7 19G2310, Description: PFC CS7 19G2310**

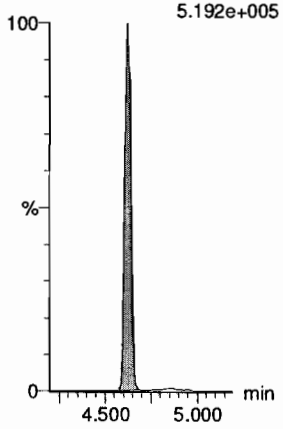
**13C8-PFOA**



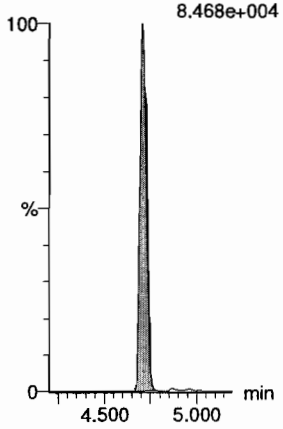

**18O2-PFHxS**



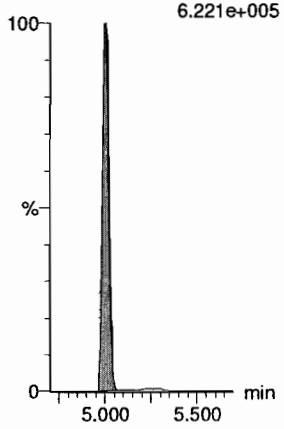

**13C9-PFNA**



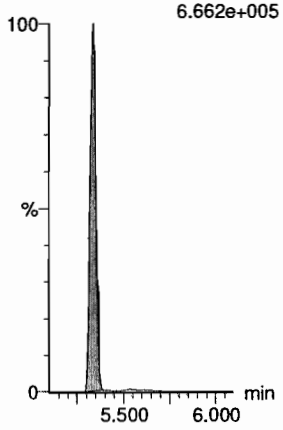

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
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Ⓐ Compounds not present in ICV

jgm 8/6/19

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | 25145.951 | 35569.426 | 1.00 | 1.25 | 8.837 | 7.4 | 74.1 | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 8440.379 | 1.00 | | | | Ⓐ | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 61171.934 | 1.00 | | | | ↓ | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | 34531.250 | 61171.934 | 1.00 | 2.23 | 7.056 | 8.1 | 80.8 | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | 9630.222 | 8440.379 | 1.00 | 2.52 | 14.262 | 6.6 | 74.9 | NO | 2.708 | NO |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | 17568.904 | 14726.410 | 1.00 | 2.93 | 14.913 | 6.8 | 72.7 | NO | 1.697 | NO |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 35569.426 | 49046.980 | 1.00 | 1.25 | 9.065 | 12.6 | 100.7 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 8440.379 | 7992.151 | 1.00 | 2.52 | 13.201 | 12.0 | 95.9 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 61171.934 | 134484.078 | 1.00 | 2.23 | 5.686 | 11.1 | 88.5 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 61171.934 | 134484.078 | 1.00 | 2.23 | 5.686 | 11.1 | 88.5 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 8440.379 | 7992.151 | 1.00 | 2.52 | 13.201 | 12.0 | 95.9 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 14726.410 | 7992.151 | 1.00 | 2.93 | 23.033 | 12.6 | 101.1 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | 73070.266 | 53014.730 | 1.00 | 3.02 | 6.892 | 8.3 | 83.5 | NO | 14.134 | NO |
| 15 | 8 | PFPeS | 349.1>80.1 | 9272.857 | 8440.379 | 1.00 | 3.23 | 13.733 | 8.4 | 83.8 | NO | 1.574 | NO |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 7224.712 | 1.00 | | | | Ⓐ | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 63332.367 | 1.00 | | | | ↓ | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | 49338.008 | 63332.367 | 1.00 | 3.65 | 9.738 | 7.9 | 78.5 | NO | 10.474 | NO |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 63332.367 | 1.00 | | | | Ⓐ | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 53014.730 | 134484.078 | 1.00 | 3.02 | 4.928 | 5.0 | 99.7 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 8440.379 | 7992.151 | 1.00 | 2.52 | 13.201 | 12.0 | 95.9 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 7224.712 | 134484.078 | 1.00 | 3.24 | 0.672 | 4.6 | 91.2 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 63332.367 | 134484.078 | 1.00 | 3.65 | 5.887 | 12.1 | 97.1 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 63332.367 | 134484.078 | 1.00 | 3.65 | 5.887 | 12.1 | 97.1 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 63332.367 | 134484.078 | 1.00 | 3.65 | 5.887 | 12.1 | 97.1 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 8627.210 | 17185.674 | 1.00 | 3.80 | 6.275 | 7.4 | 81.0 | NO | 1.906 | NO |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | 18846.033 | 10783.161 | 1.00 | 4.12 | 21.847 | 7.6 | 80.0 | NO | 2.158 | NO |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 94527.711 | 107073.898 | 1.00 | 4.18 | 11.035 | 8.0 | 80.0 | NO | 3.606 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 107073.898 | 1.00 | | | | Ⓐ | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | 10957.684 | 19633.945 | 1.00 | 4.29 | 6.976 | 7.8 | 82.4 | NO | 1.921 | NO |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 114143.211 | 1.00 | | | | Ⓐ | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 17185.674 | 7992.151 | 1.00 | 3.80 | 26.879 | 12.2 | 97.3 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 10783.161 | 18967.494 | 1.00 | 4.12 | 7.106 | 12.6 | 101.2 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 107073.898 | 153524.344 | 1.00 | 4.18 | 8.718 | 12.2 | 97.7 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 107073.898 | 153524.344 | 1.00 | 4.18 | 8.718 | 12.2 | 97.7 | NO | | |

8/6/19

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
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**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 19633.945 | 18967.494 | 1.00 | 4.71 | 12.939 | 13.1 | 104.6 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 114143.211 | 108209.742 | 1.00 | 4.62 | 13.185 | 13.0 | 104.1 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | 81224.117 | 114143.211 | 1.00 | 4.62 | 8.895 | 7.8 | 78.2 | NO | 4.299 | NO |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 19857.043 | 31135.252 | 1.00 | 4.69 | 7.972 | 7.6 | 75.7 | NO | 29.116 | NO |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 11941.563 | 19633.945 | 1.00 | 4.71 | 7.603 | 7.0 | 76.2 | NO | 2.083 | NO |
| 43 | 25 | 9Cl-PF3ONS | 530.7 > 350.8 | | 19633.945 | 1.00 | | | | (A) | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 91781.609 | 109733.109 | 1.00 | 5.01 | 10.455 | 8.0 | 80.0 | NO | 5.753 | NO |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | 11535.483 | 10489.390 | 1.00 | 4.98 | 13.747 | 7.3 | 76.1 | NO | 1.159 | NO |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 114143.211 | 108209.742 | 1.00 | 4.62 | 13.185 | 13.0 | 104.1 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 31135.252 | 146723.875 | 1.00 | 4.68 | 2.653 | 12.7 | 101.4 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 19633.945 | 18967.494 | 1.00 | 4.71 | 12.939 | 13.1 | 104.6 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 19633.945 | 18967.494 | 1.00 | 4.71 | 12.939 | 13.1 | 104.6 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 109733.109 | 135902.250 | 1.00 | 5.01 | 10.093 | 12.9 | 103.3 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 10489.390 | 18967.494 | 1.00 | 4.98 | 6.913 | 12.1 | 97.1 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | 9482.340 | 19633.945 | 1.00 | 5.07 | 6.037 | 7.9 | 82.6 | NO | 1.696 | NO |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 38832.148 | 23169.717 | 1.00 | 5.16 | 20.950 | 8.2 | 82.1 | NO | 2.758 | NO |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 28957.176 | 29404.248 | 1.00 | 5.32 | 12.310 | 8.8 | 88.2 | NO | 1.469 | NO |
| 56 | 33 | PFUdA | 563.0 > 518.9 | 80747.359 | 147921.688 | 1.00 | 5.34 | 6.823 | 8.1 | 80.5 | NO | 9.106 | NO |
| 57 | 34 | PFDS | 598.8 > 79.9 | 12334.874 | 10489.390 | 1.00 | 5.39 | 14.699 | 8.1 | 83.6 | NO | 1.726 | NO |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 156880.063 | 1.00 | | | | (A) | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 19633.945 | 18967.494 | 1.00 | 4.71 | 12.939 | 13.1 | 104.6 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 23169.717 | 146723.875 | 1.00 | 5.16 | 1.974 | 12.8 | 102.5 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 29404.248 | 146723.875 | 1.00 | 5.31 | 2.505 | 12.8 | 102.2 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 147921.688 | 146723.875 | 1.00 | 5.34 | 12.602 | 12.4 | 98.9 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 10489.390 | 18967.494 | 1.00 | 4.98 | 6.913 | 12.1 | 97.1 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 156880.063 | 135902.250 | 1.00 | 5.62 | 14.429 | 13.1 | 105.2 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | | 10489.390 | 1.00 | | | | (A) | NO | | |
| 67 | 37 | PFDoA | 612.9 > 569.0 | 96952.227 | 156880.063 | 1.00 | 5.62 | 7.725 | 7.4 | 74.2 | NO | 8.315 | NO |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 74399.047 | 1.00 | | | | (A) | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | 110530.734 | 156880.063 | 1.00 | 5.88 | 8.807 | 7.5 | 75.1 | NO | 22.294 | NO |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 105978.281 | 1.00 | | | | (A) | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 95195.242 | 105978.281 | 1.00 | 6.10 | 11.228 | 8.2 | 81.6 | NO | 14.869 | NO |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 156880.063 | 135902.250 | 1.00 | 5.62 | 14.429 | 13.1 | 105.2 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 156880.063 | 135902.250 | 1.00 | 5.62 | 14.429 | 13.1 | 105.2 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 74399.047 | 146723.875 | 1.00 | 5.75 | 6.338 | 144.0 | 96.0 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 156880.063 | 135902.250 | 1.00 | 5.62 | 14.429 | 13.1 | 105.2 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 105978.281 | 146723.875 | 1.00 | 6.10 | 9.029 | 13.2 | 105.5 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 105978.281 | 146723.875 | 1.00 | 6.10 | 9.029 | 13.2 | 105.5 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 96433.430 | 1.00 | | | | Ⓐ | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | | 58889.125 | 1.00 | | | | | NO | | |
| 81 | 44 | PFODA | 913.1 > 868.8 | | 58889.125 | 1.00 | | | | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 65939.266 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | | 66879.461 | 1.00 | | | | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 49046.980 | 49046.980 | 1.00 | 1.24 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 96433.430 | 146723.875 | 1.00 | 6.16 | 8.216 | 151.4 | 100.9 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 58889.125 | 146723.875 | 1.00 | 6.44 | 5.017 | 5.4 | 108.0 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 58889.125 | 146723.875 | 1.00 | 6.44 | 5.017 | 5.4 | 108.0 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 65939.266 | 146723.875 | 1.00 | 6.31 | 5.618 | 161.0 | 107.3 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 66879.461 | 146723.875 | 1.00 | 6.46 | 5.698 | 165.2 | 110.1 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 134484.078 | 134484.078 | 1.00 | 3.02 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 153524.344 | 153524.344 | 1.00 | 4.18 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 7992.151 | 7992.151 | 1.00 | 3.80 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 108209.742 | 108209.742 | 1.00 | 4.62 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 18967.494 | 18967.494 | 1.00 | 4.71 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 135902.250 | 135902.250 | 1.00 | 5.01 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 146723.875 | 146723.875 | 1.00 | 5.34 | 12.500 | 12.5 | 100.0 | NO | | |

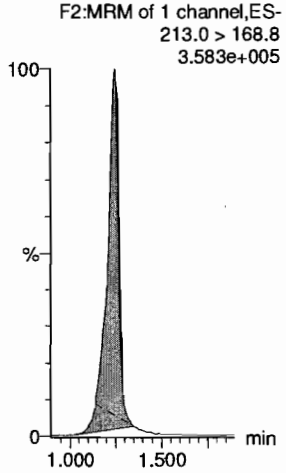
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

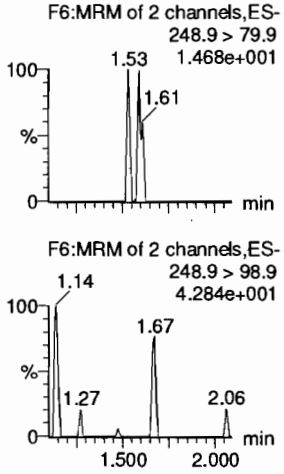
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080619_ICV.mdb 06 Aug 2019 14:41:50**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

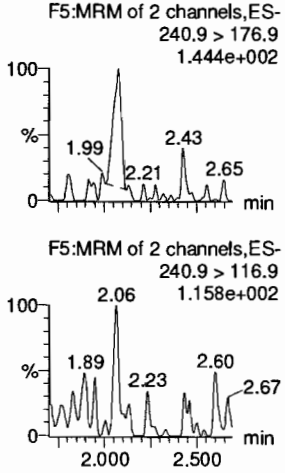
**PFBA**



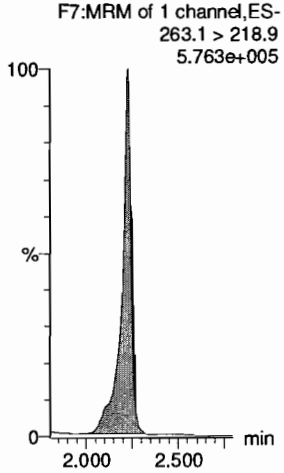

**PFPrS**



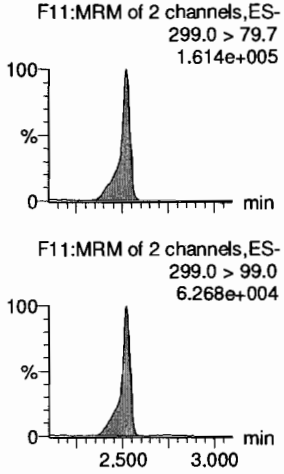

**3:3 FTCA**



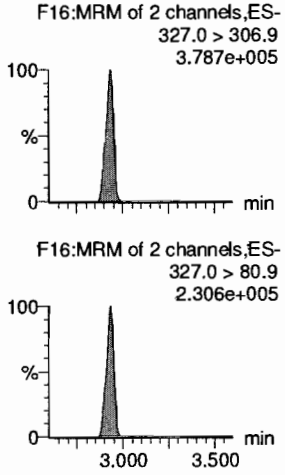

**PFPeA**



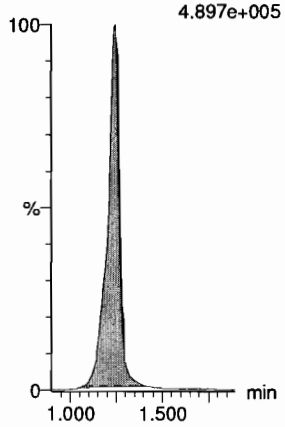

**PFBS**



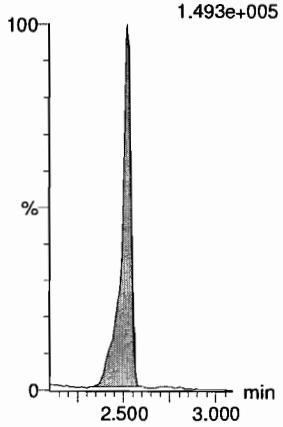

**4:2 FTS**



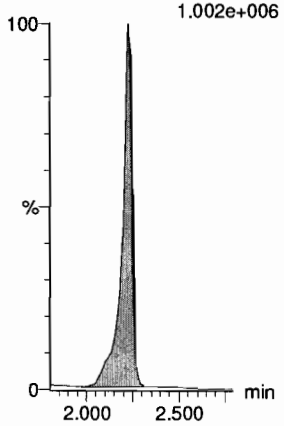

**13C3-PFBA**




**13C3-PFBS**




**13C3-PFPeA**

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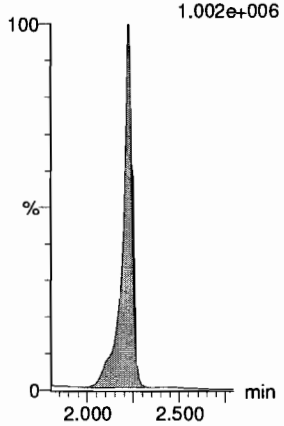
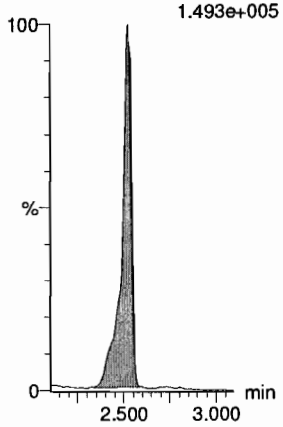
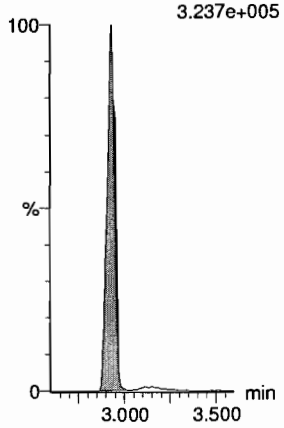



**13C3-PFBS**




**13C2-4:2 FTS**

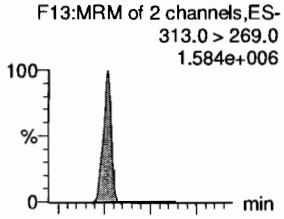


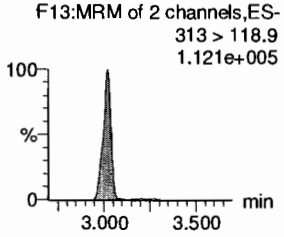
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

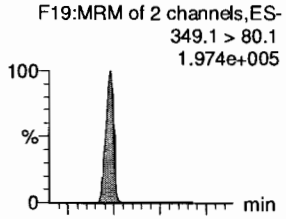
**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

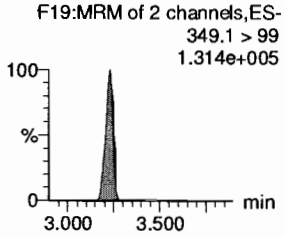
**PFHxA**



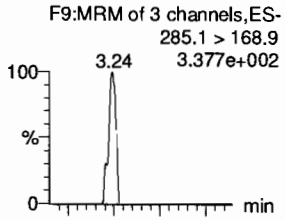



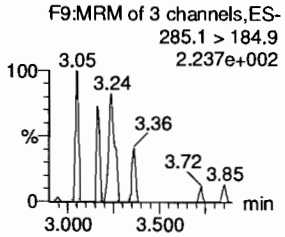

**PFPeS**



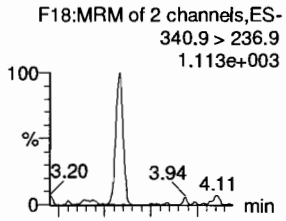



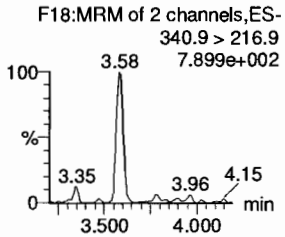

**HFPO-DA**



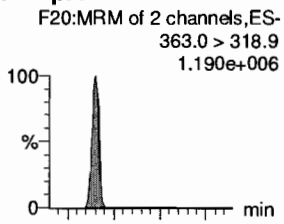



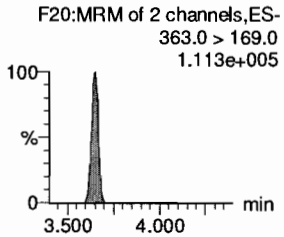

**5:3 FTCA**



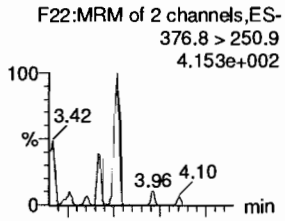



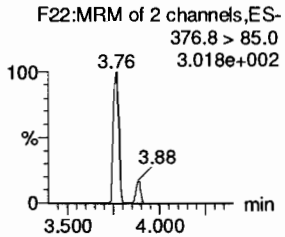

**PFHpA**



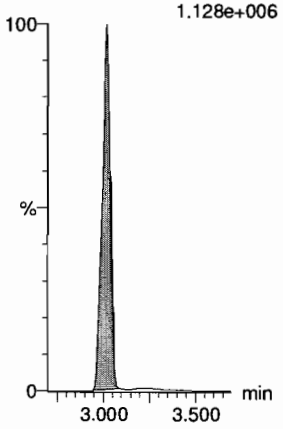




**ADONA**

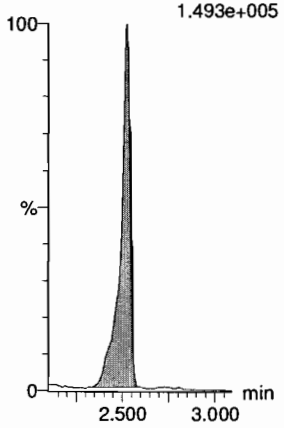


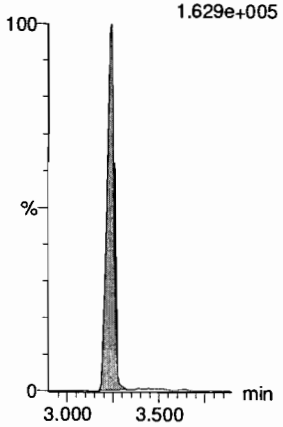

**13C2-PFHxA**



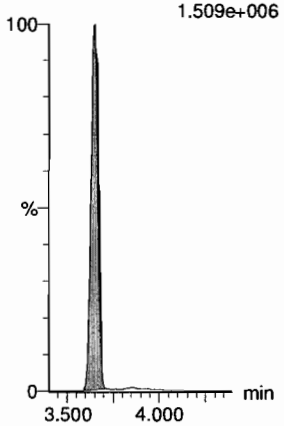

**13C3-PFBS**



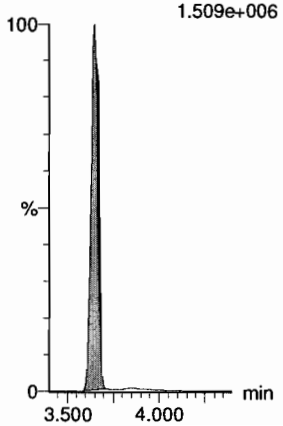

**13C3-HFPO-DA**



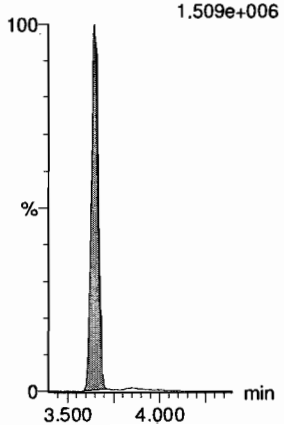

**13C4-PFHpA**




**13C4-PFHpA**




**13C4-PFHpA**

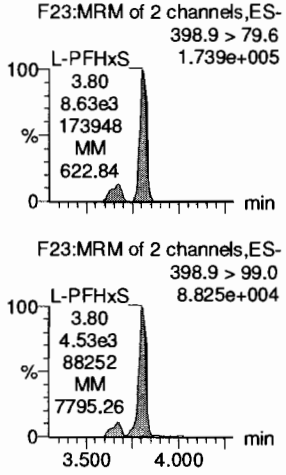


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

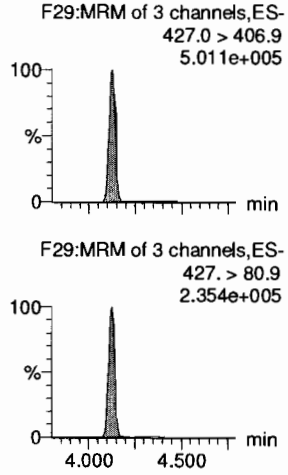
Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

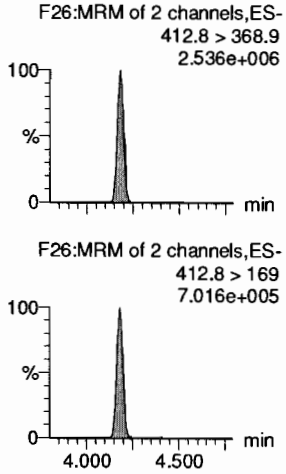
**L-PFHxS**



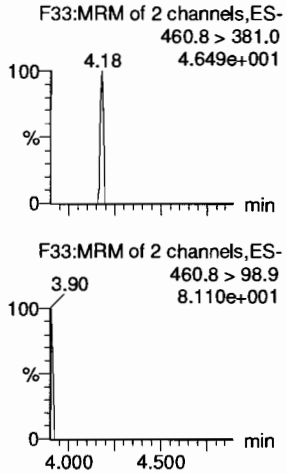

**6:2 FTS**



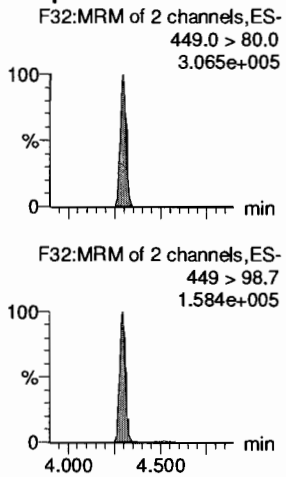

**L-PFOA**



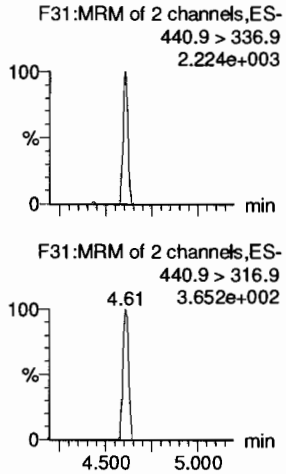

**PFEChS**



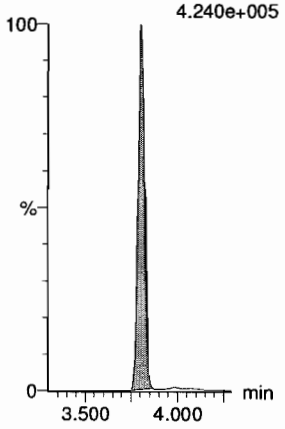

**PFHpS**



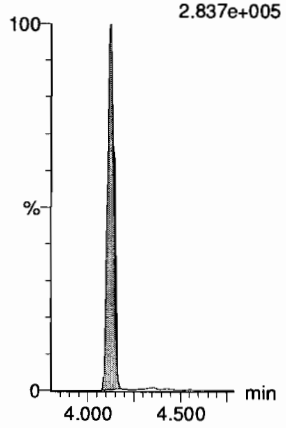

**7:3 FTCA**



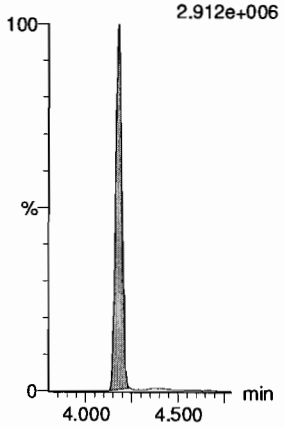

**13C3-PFHxS**



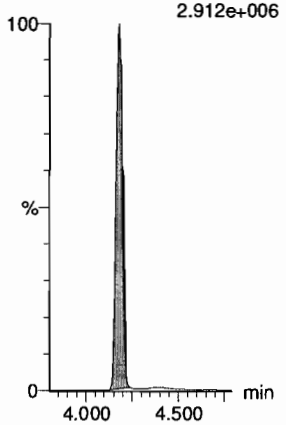

**13C2-6:2 FTS**



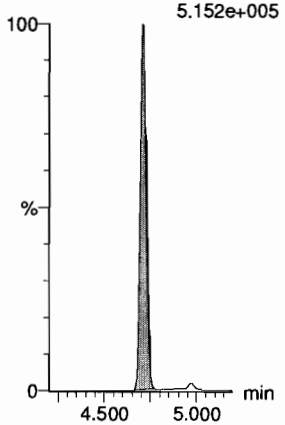

**13C2-PFOA**



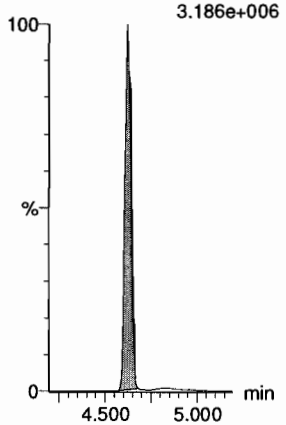

**13C2-PFOA**




**13C8-PFOS**




**13C5-PFNA**

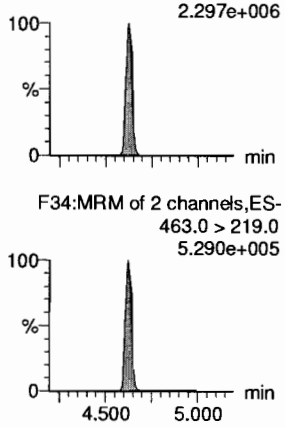


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

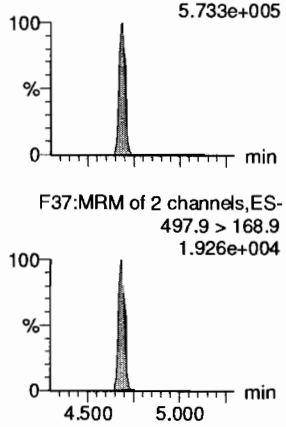
Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

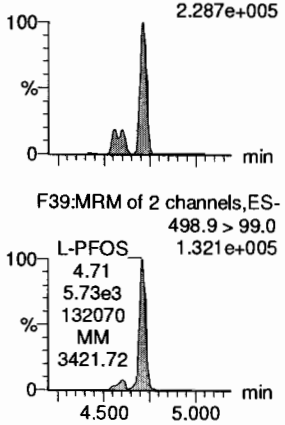
**PFNA**



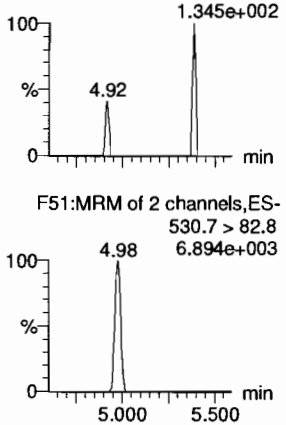

**PFOSA**



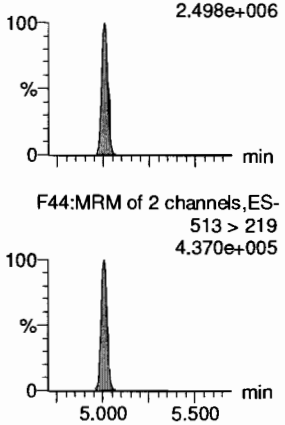

**L-PFOS**



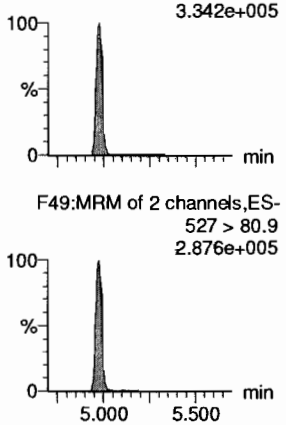

**9Cl-PF30NS**



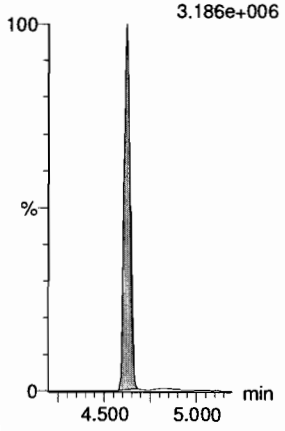

**PFDA**



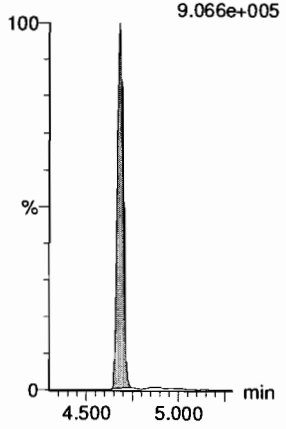

**8:2 FTS**



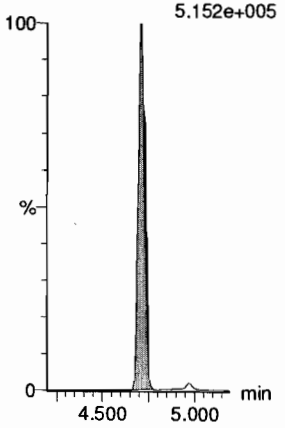

**13C5-PFNA**



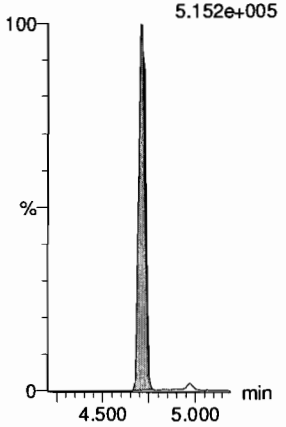

**13C8-PFOSA**




**13C8-PFOS**




**13C8-PFOS**

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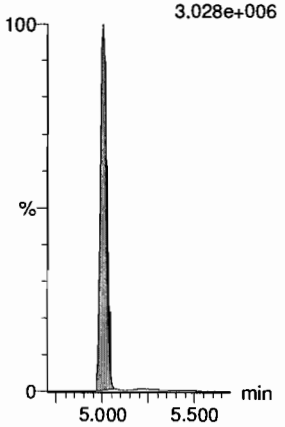
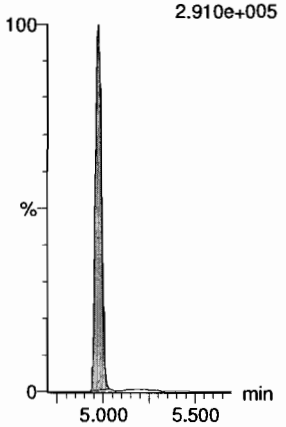



**13C2-8:2 FTS**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
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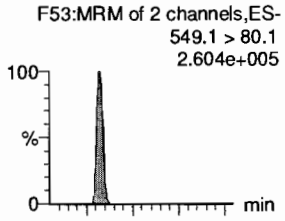
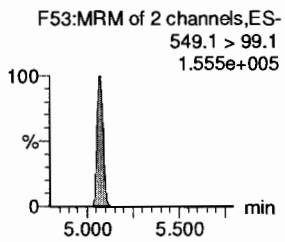
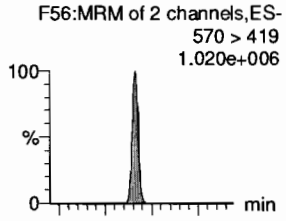
**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

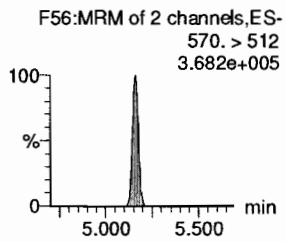
**PFNS**



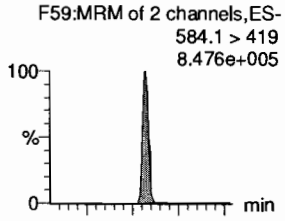



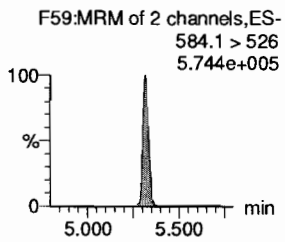

**L-MeFOSAA**



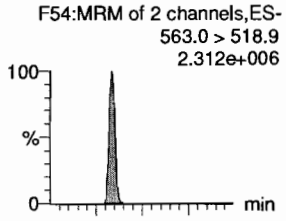



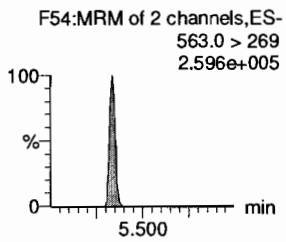

**L-EtFOSAA**




**PFUdA**

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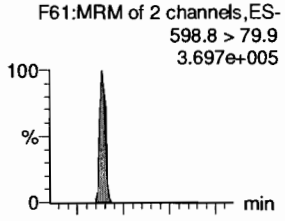
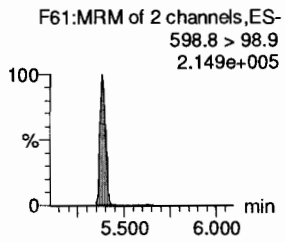
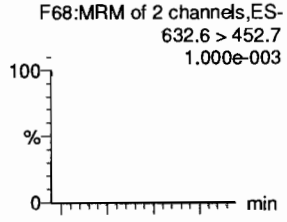
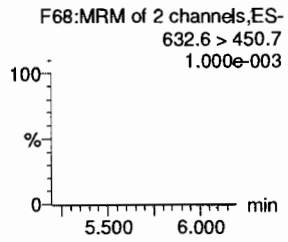


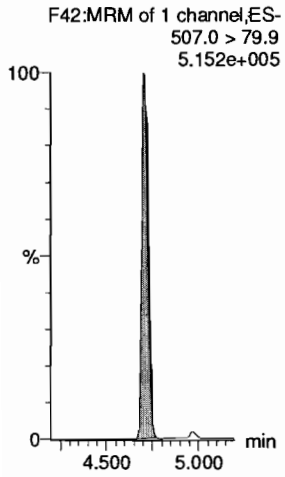




**11Cl-PF30UdS**

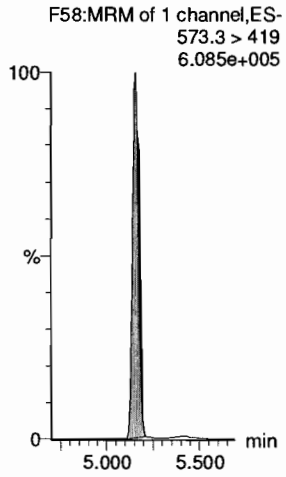


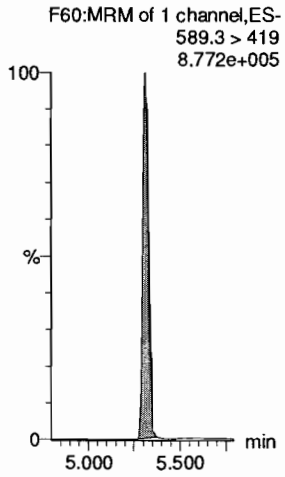

**13C8-PFOS**



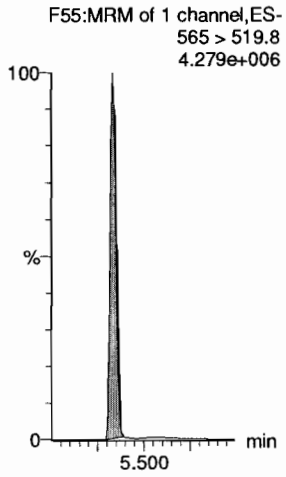

**d3-N-MeFOSAA**



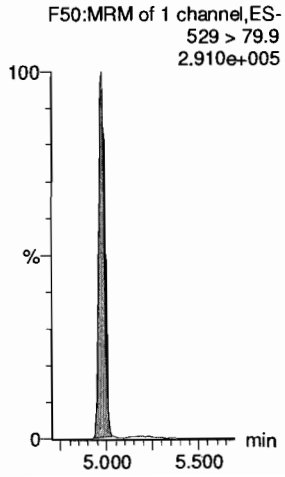

**d5-N-EtFOSAA**



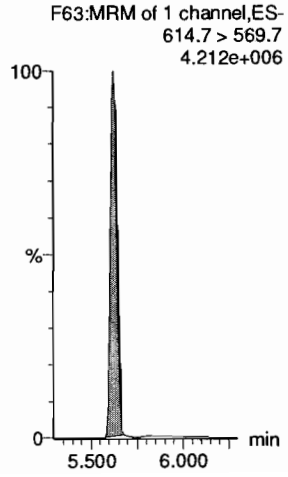

**13C2-PFUdA**




**13C2-8:2 FTS**




**13C2-PFDoA**



Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

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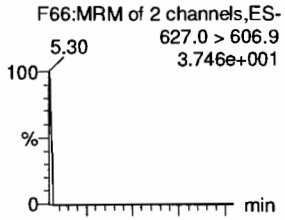
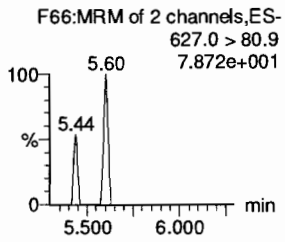
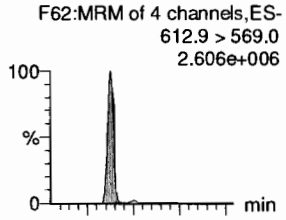
**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

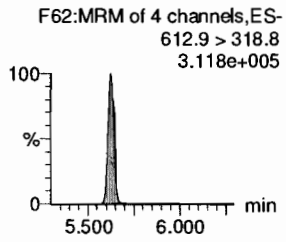
**10:2 FTS**



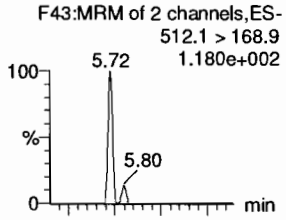



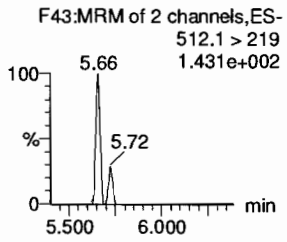

**PFDoA**



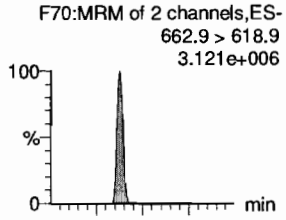



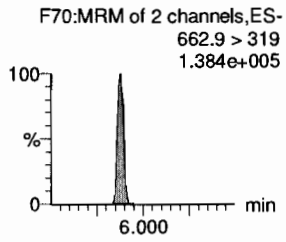

**N-MeFOSA**



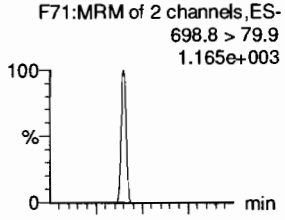



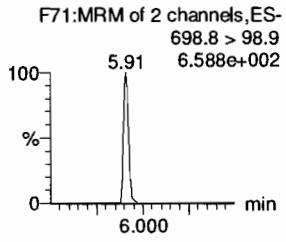

**PFTrDA**



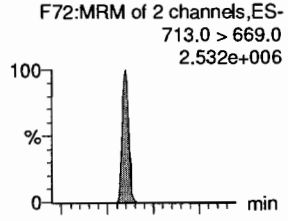



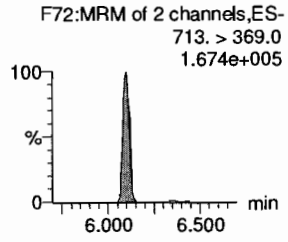

**PFDoS**



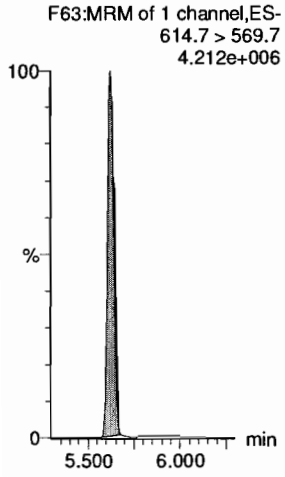




**PFTeDA**

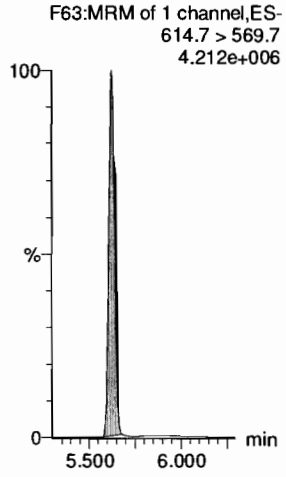


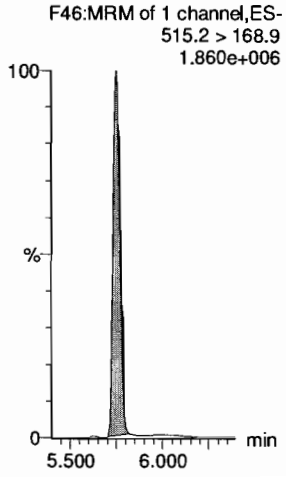

**13C2-PFDoA**



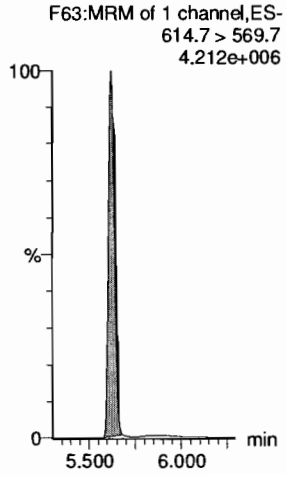

**13C2-PFDoA**



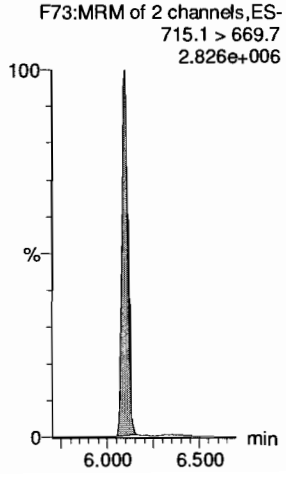

**d3-N-MeFOSA**



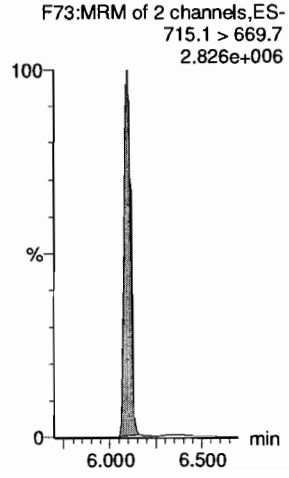

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

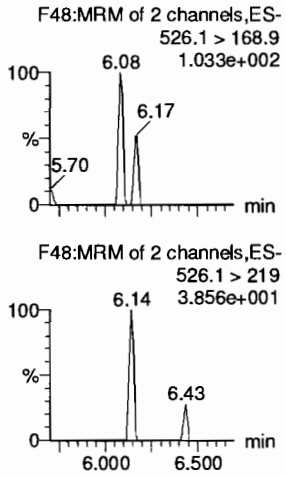


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

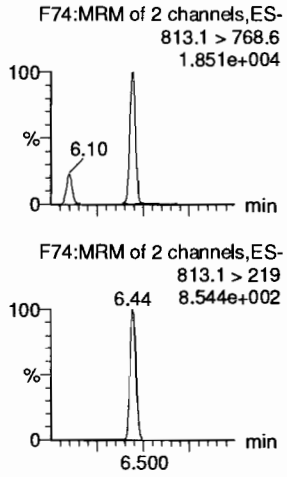
Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

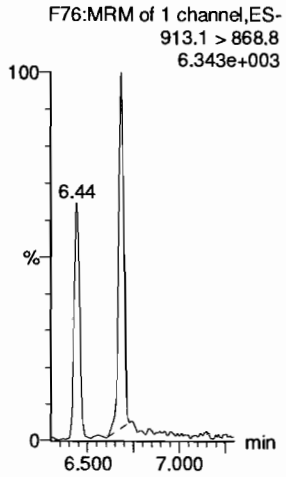
**N-EtFOSA**



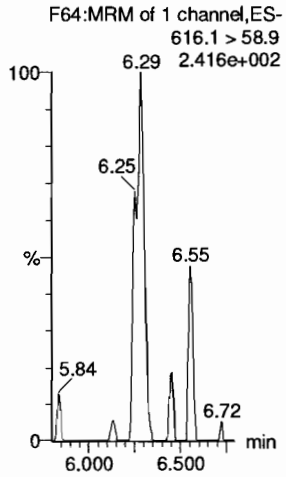

**PFHxDA**



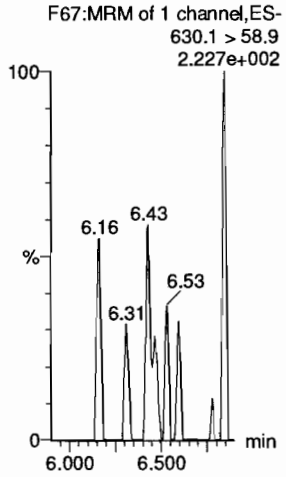

**PFODA**



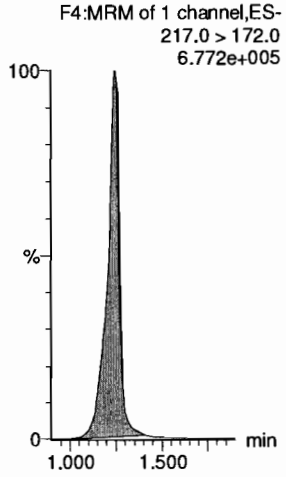

**N-MeFOSE**



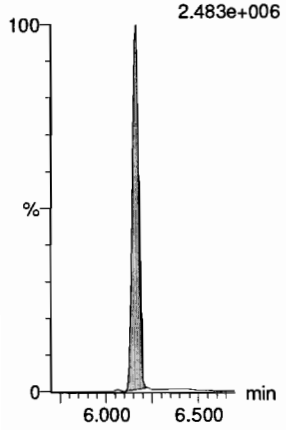

**N-EtFOSE**



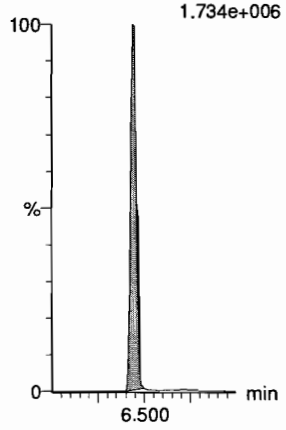

**13C4-PFBA**



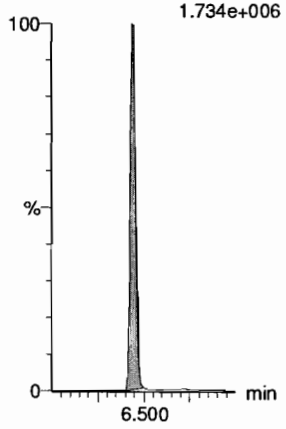

**d5-N-ETFOSA**



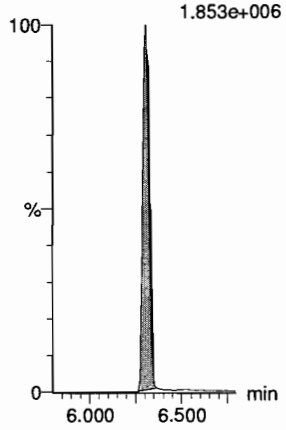

**13C2-PFHxDA**



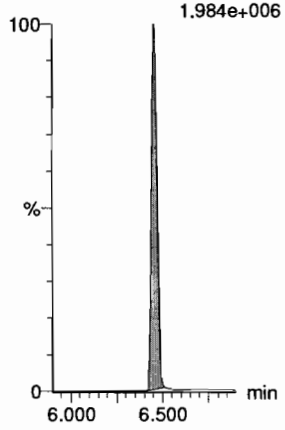

**13C2-PFHxDA**



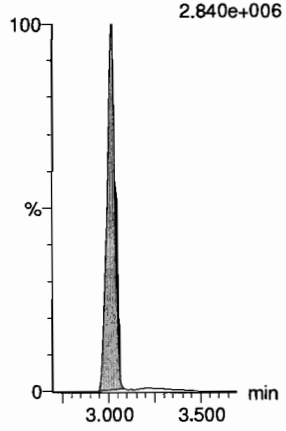

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

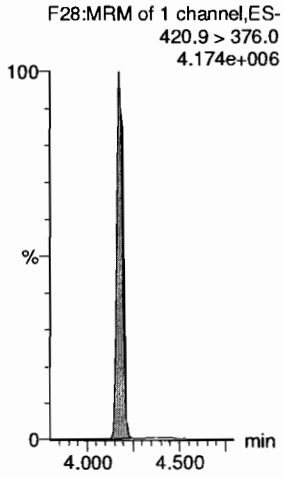


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-ICV.qld

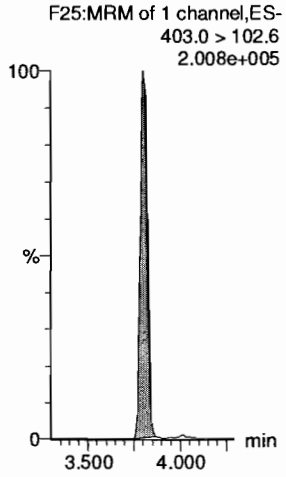
Last Altered: Tuesday, August 06, 2019 14:41:51 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:42:04 Pacific Daylight Time

**Name: 190806M1_19, Date: 06-Aug-2019, Time: 13:41:06, ID: ICV190806M1-1 PFC ICV 19G2311, Description: PFC ICV 19G2311**

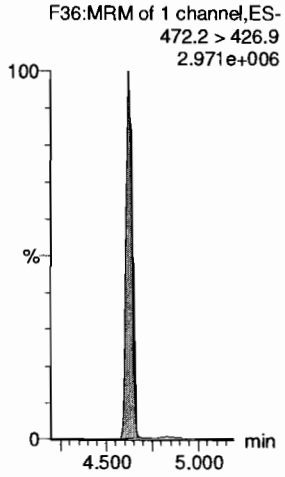
**13C8-PFOA**



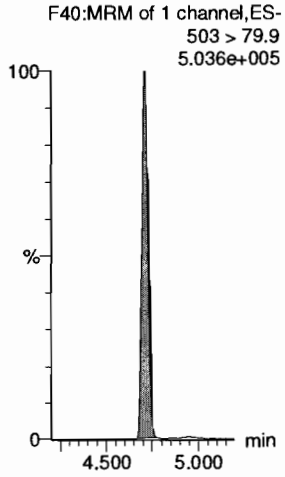

**18O2-PFHxS**



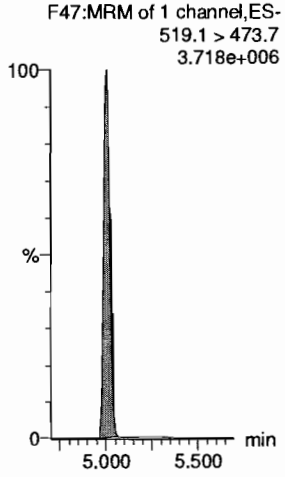

**13C9-PFNA**



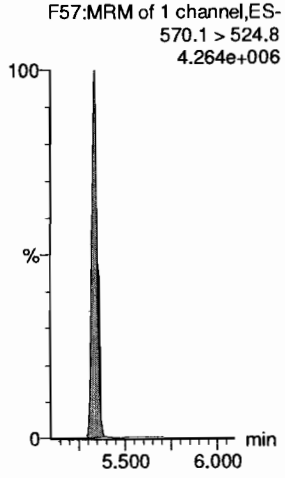

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PFBA | 213.0 > 168.8 | | 11265.370 | 1.00 | | | | | NO | | |
| 2 | 2 | PFPrS | 248.9 > 79.9 | | 2243.938 | 1.00 | | | | | NO | | |
| 3 | 3 | 3:3 FTCA | 240.9 > 176.9 | | 16395.564 | 1.00 | | | | | NO | | |
| 4 | 4 | PFPeA | 263.1 > 218.9 | | 16395.564 | 1.00 | | | | | NO | | |
| 5 | 5 | PFBS | 299.0 > 79.7 | | 2243.938 | 1.00 | | | | | NO | | |
| 6 | 6 | 4:2 FTS | 327.0 > 306.9 | | 3962.797 | 1.00 | | | | | NO | | |
| 7 | 47 | 13C3-PFBA | 216.1 > 171.8 | 11265.370 | 15966.533 | 1.00 | 1.25 | 8.820 | 12.2 | 98.0 | NO | | |
| 8 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2243.938 | 1985.362 | 1.00 | 2.52 | 14.128 | 12.8 | 102.6 | NO | | |
| 9 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16395.564 | 33201.531 | 1.00 | 2.23 | 6.173 | 12.0 | 96.1 | NO | | |
| 10 | 48 | 13C3-PFPeA | 266.0 > 221.8 | 16395.564 | 33201.531 | 1.00 | 2.23 | 6.173 | 12.0 | 96.1 | NO | | |
| 11 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2243.938 | 1985.362 | 1.00 | 2.52 | 14.128 | 12.8 | 102.6 | NO | | |
| 12 | 51 | 13C2-4:2 FTS | 329.0 >79.9 | 3962.797 | 1985.362 | 1.00 | 2.93 | 24.950 | 13.7 | 109.5 | NO | | |
| 13 | -1 | | | | | | | | | | | | |
| 14 | 7 | PFHxA | 313.0 > 269.0 | | 12976.611 | 1.00 | | | | | NO | | |
| 15 | 8 | PFPeS | 349.1>80.1 | | 2243.938 | 1.00 | | | | | NO | | |
| 16 | 9 | HFPO-DA | 285.1 > 168.9 | | 2035.856 | 1.00 | | | | | NO | | |
| 17 | 10 | 5:3 FTCA | 340.9 > 236.9 | | 16569.082 | 1.00 | | | | | NO | | |
| 18 | 11 | PFHpA | 363.0 > 318.9 | | 16569.082 | 1.00 | | | | | NO | | |
| 19 | 12 | ADONA | 376.8 > 250.9 | | 16569.082 | 1.00 | | | | | NO | | |
| 20 | 52 | 13C2-PFHxA | 315.0 > 270.0 | 12976.611 | 33201.531 | 1.00 | 3.02 | 4.886 | 4.9 | 98.9 | NO | | |
| 21 | 49 | 13C3-PFBS | 302.0 > 98.8 | 2243.938 | 1985.362 | 1.00 | 2.52 | 14.128 | 12.8 | 102.6 | NO | | |
| 22 | 50 | 13C3-HFPO-DA | 287.0 > 168.9 | 2035.856 | 33201.531 | 1.00 | 3.24 | 0.766 | 5.2 | 104.1 | NO | | |
| 23 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 16569.082 | 33201.531 | 1.00 | 3.65 | 6.238 | 12.9 | 102.9 | NO | | |
| 24 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 16569.082 | 33201.531 | 1.00 | 3.65 | 6.238 | 12.9 | 102.9 | NO | | |
| 25 | 53 | 13C4-PFHpA | 367.2 > 321.8 | 16569.082 | 33201.531 | 1.00 | 3.65 | 6.238 | 12.9 | 102.9 | NO | | |
| 26 | -1 | | | | | | | | | | | | |
| 27 | 13 | L-PFHxS | 398.9 > 79.6 | 9.142 | 4322.279 | 1.00 | 3.80 | 0.026 | 0.0 | | NO | 2.220 | NO |
| 28 | 15 | 6:2 FTS | 427.0 > 406.9 | | 2951.650 | 1.00 | | | | | NO | | |
| 29 | 16 | L-PFOA | 412.8 > 368.9 | 289.920 | 28206.791 | 1.00 | 4.18 | 0.128 | 0.1 | | NO | 4.182 | NO |
| 30 | 18 | PFecHS | 460.8 > 381.0 | | 28206.791 | 1.00 | | | | | NO | | |
| 31 | 19 | PFHpS | 449.0 > 80.0 | | 5060.746 | 1.00 | | | | | NO | | |
| 32 | 20 | 7:3 FTCA | 440.9 > 336.9 | | 29103.756 | 1.00 | | | | | NO | | |
| 33 | 54 | 13C3-PFHxS | 401.8 > 79.9 | 4322.279 | 1985.362 | 1.00 | 3.80 | 27.213 | 12.3 | 98.5 | NO | | |
| 34 | 55 | 13C2-6:2 FTS | 429.0 >79.9 | 2951.650 | 5231.330 | 1.00 | 4.12 | 7.053 | 12.6 | 100.4 | NO | | |
| 35 | 58 | 13C2-PFOA | 414.9 > 369.7 | 28206.791 | 39492.340 | 1.00 | 4.18 | 8.928 | 12.5 | 100.1 | NO | | |
| 36 | 58 | 13C2-PFOA | 414.9 > 369.7 | 28206.791 | 39492.340 | 1.00 | 4.18 | 8.928 | 12.5 | 100.1 | NO | | |

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5060.746 | 5231.330 | 1.00 | 4.71 | 12.092 | 12.2 | 97.7 | NO | | |
| 38 | 56 | 13C5-PFNA | 468.2 > 422.9 | 29103.756 | 29285.904 | 1.00 | 4.62 | 12.422 | 12.3 | 98.0 | NO | | |
| 39 | -1 | | | | | | | | | | | | |
| 40 | 21 | PFNA | 463.0 > 418.8 | | 29103.756 | 1.00 | | | | | NO | | |
| 41 | 22 | PFOSA | 497.9 > 77.9 | 16.580 | 8154.748 | 1.00 | 4.69 | 0.025 | | | NO | 14.870 | NO |
| 42 | 23 | L-PFOS | 498.9 > 79.9 | 1.618 | 5060.746 | 1.00 | 4.71 | 0.004 | 0.1 | | NO | 0.375 | YES |
| 43 | 25 | 9Cl-PF30NS | 530.7 > 350.8 | | 5060.746 | 1.00 | | | | | NO | | |
| 44 | 26 | PFDA | 513 > 468.8 | 45.884 | 28315.100 | 1.00 | 5.00 | 0.020 | | | NO | 19.533 | YES |
| 45 | 27 | 8:2 FTS | 527.0 > 506.9 | | 2827.974 | 1.00 | | | | | NO | | |
| 46 | 56 | 13C5-PFNA | 468.2 > 422.9 | 29103.756 | 29285.904 | 1.00 | 4.62 | 12.422 | 12.3 | 98.0 | NO | | |
| 47 | 57 | 13C8-PFOSA | 506.1 > 77.7 | 8154.748 | 40135.930 | 1.00 | 4.68 | 2.540 | 12.1 | 97.1 | NO | | |
| 48 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5060.746 | 5231.330 | 1.00 | 4.71 | 12.092 | 12.2 | 97.7 | NO | | |
| 49 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5060.746 | 5231.330 | 1.00 | 4.71 | 12.092 | 12.2 | 97.7 | NO | | |
| 50 | 60 | 13C2-PFDA | 515.1 > 469.9 | 28315.100 | 35394.926 | 1.00 | 5.01 | 10.000 | 12.8 | 102.3 | NO | | |
| 51 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2827.974 | 5231.330 | 1.00 | 4.97 | 6.757 | 11.9 | 94.9 | NO | | |
| 52 | -1 | | | | | | | | | | | | |
| 53 | 28 | PFNS | 549.1 > 80.1 | | 5060.746 | 1.00 | | | | | NO | | |
| 54 | 29 | L-MeFOSAA | 570 > 419 | 17.184 | 5657.148 | 1.00 | 5.10 | 0.038 | 0.1 | | NO | 3.951 | NO |
| 55 | 31 | L-EtFOSAA | 584.1 > 419 | 24.121 | 8123.527 | 1.00 | 5.27 | 0.037 | 0.1 | | NO | 4.297 | YES |
| 56 | 33 | PFUdA | 563.0 > 518.9 | | 39663.348 | 1.00 | | | | | NO | | |
| 57 | 34 | PFDS | 598.8 > 79.9 | | 2827.974 | 1.00 | | | | | NO | | |
| 58 | 35 | 11Cl-PF30UdS | 632.6 > 452.7 | | 38659.742 | 1.00 | | | | | NO | | |
| 59 | 59 | 13C8-PFOS | 507.0 > 79.9 | 5060.746 | 5231.330 | 1.00 | 4.71 | 12.092 | 12.2 | 97.7 | NO | | |
| 60 | 62 | d3-N-MeFOSAA | 573.3 > 419 | 5657.148 | 40135.930 | 1.00 | 5.16 | 1.762 | 11.4 | 91.5 | NO | | |
| 61 | 64 | d5-N-EtFOSAA | 589.3 > 419 | 8123.527 | 40135.930 | 1.00 | 5.31 | 2.530 | 12.9 | 103.2 | NO | | |
| 62 | 63 | 13C2-PFUdA | 565 > 519.8 | 39663.348 | 40135.930 | 1.00 | 5.33 | 12.353 | 12.1 | 97.0 | NO | | |
| 63 | 61 | 13C2-8:2 FTS | 529 > 79.9 | 2827.974 | 5231.330 | 1.00 | 4.97 | 6.757 | 11.9 | 94.9 | NO | | |
| 64 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38659.742 | 35394.926 | 1.00 | 5.62 | 13.653 | 12.4 | 99.5 | NO | | |
| 65 | -1 | | | | | | | | | | | | |
| 66 | 36 | 10:2 FTS | 627.0 > 606.9 | 6.183 | 2827.974 | 1.00 | 5.55 | 0.027 | 0.0 | | NO | 1.424 | NO |
| 67 | 37 | PFDoA | 612.9 > 569.0 | | 38659.742 | 1.00 | | | | | NO | | |
| 68 | 38 | N-MeFOSA | 512.1 > 168.9 | | 19069.643 | 1.00 | | | | | NO | | |
| 69 | 39 | PFTrDA | 662.9 > 618.9 | | 38659.742 | 1.00 | | | | | NO | | |
| 70 | 40 | PFDoS | 698.8 > 79.9 | | 26644.813 | 1.00 | | | | | NO | | |
| 71 | 41 | PFTeDA | 713.0 > 669.0 | 99.469 | 26644.813 | 1.00 | 6.10 | 0.047 | | | NO | 35.639 | YES |
| 72 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38659.742 | 35394.926 | 1.00 | 5.62 | 13.653 | 12.4 | 99.5 | NO | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

| | # | Name | Trace | Area | IS Area | wt/vol | RT | Response | Conc. | %Rec | Recovery ... | Ion Ratio | Ratio Out? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38659.742 | 35394.926 | 1.00 | 5.62 | 13.653 | 12.4 | 99.5 | NO | | |
| 74 | 66 | d3-N-MeFOSA | 515.2 > 168.9 | 19069.643 | 40135.930 | 1.00 | 5.75 | 5.939 | 134.9 | 89.9 | NO | | |
| 75 | 65 | 13C2-PFDoA | 614.7 > 569.7 | 38659.742 | 35394.926 | 1.00 | 5.62 | 13.653 | 12.4 | 99.5 | NO | | |
| 76 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 26644.813 | 40135.930 | 1.00 | 6.09 | 8.298 | 12.1 | 97.0 | NO | | |
| 77 | 67 | 13C2-PFTeDA | 715.1 > 669.7 | 26644.813 | 40135.930 | 1.00 | 6.09 | 8.298 | 12.1 | 97.0 | NO | | |
| 78 | -1 | | | | | | | | | | | | |
| 79 | 42 | N-EtFOSA | 526.1 > 168.9 | | 24789.801 | 1.00 | | | | | NO | | |
| 80 | 43 | PFHxDA | 813.1 > 768.6 | 190.799 | 13762.453 | 1.00 | 6.44 | 0.069 | 0.1 | | NO | 138.461 | NO |
| 81 | 44 | PFODA | 913.1 > 868.8 | 100.744 | 13762.453 | 1.00 | 6.68 | 0.037 | 0.0 | | NO | | |
| 82 | 45 | N-MeFOSE | 616.1 > 58.9 | | 15353.705 | 1.00 | | | | | NO | | |
| 83 | 46 | N-EtFOSE | 630.1 > 58.9 | 43.002 | 15437.210 | 1.00 | 6.46 | 0.418 | 0.2 | | NO | | |
| 84 | 72 | 13C4-PFBA | 217.0 > 172.0 | 15966.533 | 15966.533 | 1.00 | 1.25 | 12.500 | 12.5 | 100.0 | NO | | |
| 85 | 68 | d5-N-ETFOSA | 531.1 > 168.9 | 24789.801 | 40135.930 | 1.00 | 6.16 | 7.721 | 142.3 | 94.8 | NO | | |
| 86 | 69 | 13C2-PFHxDA | 815 > 769.7 | 13762.453 | 40135.930 | 1.00 | 6.44 | 4.286 | 4.6 | 92.3 | NO | | |
| 87 | 69 | 13C2-PFHxDA | 815 > 769.7 | 13762.453 | 40135.930 | 1.00 | 6.44 | 4.286 | 4.6 | 92.3 | NO | | |
| 88 | 70 | d7-N-MeFOSE | 623.1 > 58.9 | 15353.705 | 40135.930 | 1.00 | 6.31 | 4.782 | 137.0 | 91.3 | NO | | |
| 89 | 71 | d9-N-EtFOSE | 639.2 > 58.8 | 15437.210 | 40135.930 | 1.00 | 6.46 | 4.808 | 139.4 | 92.9 | NO | | |
| 90 | 73 | 13C5-PFHxA | 318.0 > 272.9 | 33201.531 | 33201.531 | 1.00 | 3.02 | 12.500 | 12.5 | 100.0 | NO | | |
| 91 | -1 | | | | | | | | | | | | |
| 92 | 75 | 13C8-PFOA | 420.9 > 376.0 | 39492.340 | 39492.340 | 1.00 | 4.18 | 12.500 | 12.5 | 100.0 | NO | | |
| 93 | 74 | 18O2-PFHxS | 403.0 > 102.6 | 1985.362 | 1985.362 | 1.00 | 3.80 | 12.500 | 12.5 | 100.0 | NO | | |
| 94 | 76 | 13C9-PFNA | 472.2 > 426.9 | 29285.904 | 29285.904 | 1.00 | 4.62 | 12.500 | 12.5 | 100.0 | NO | | |
| 95 | 77 | 13C4-PFOS | 503 > 79.9 | 5231.330 | 5231.330 | 1.00 | 4.71 | 12.500 | 12.5 | 100.0 | NO | | |
| 96 | 78 | 13C6-PFDA | 519.1 > 473.7 | 35394.926 | 35394.926 | 1.00 | 5.01 | 12.500 | 12.5 | 100.0 | NO | | |
| 97 | 79 | 13C7-PFUdA | 570.1 > 524.8 | 40135.930 | 40135.930 | 1.00 | 5.33 | 12.500 | 12.5 | 100.0 | NO | | |

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

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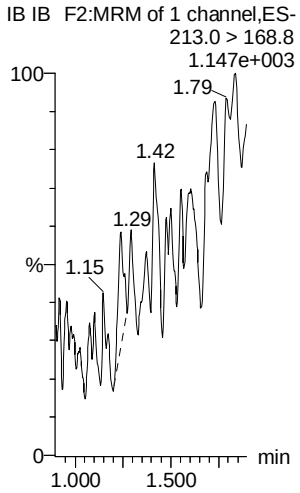
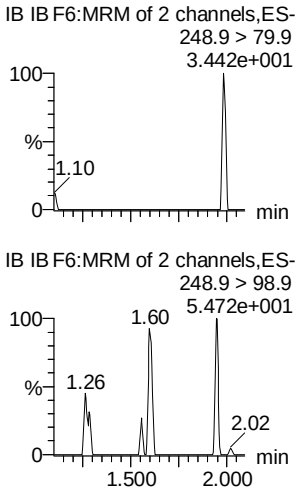
**Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_080219_ICV.mdb 03 Aug 2019 11:14:30**
**Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_08-06-19.cdb 06 Aug 2019 14:25:35**

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

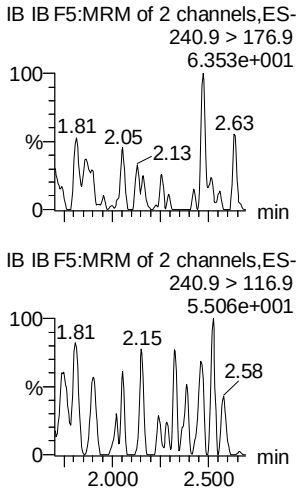
**PFBA**



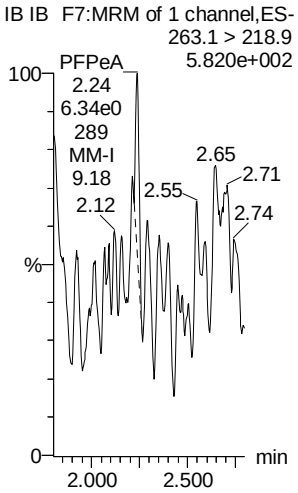

**PFPrS**



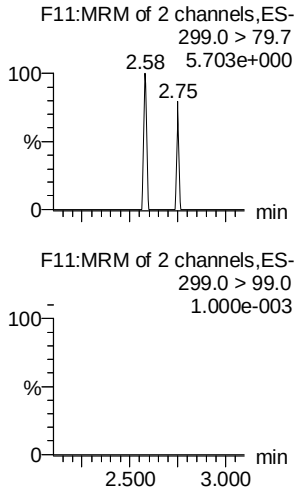

**3:3 FTCA**



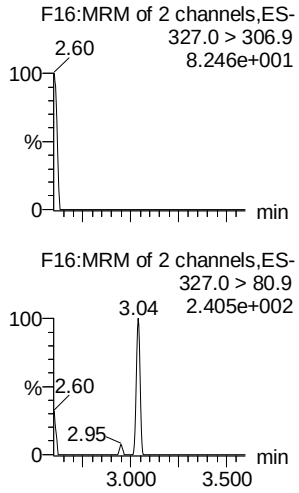

**PFPeA**



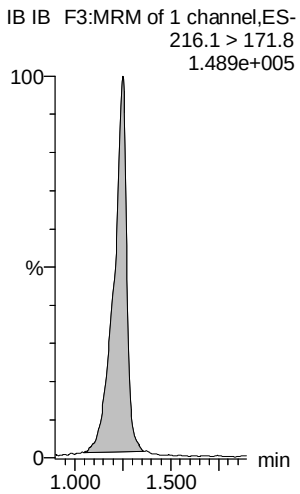

**PFBS**




**4:2 FTS**




**13C3-PFBA**

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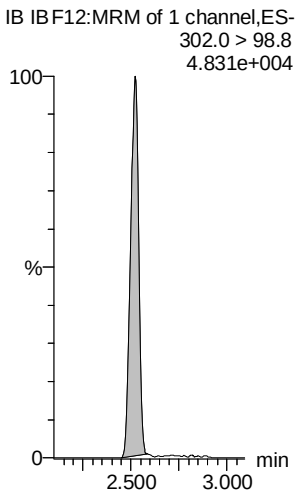
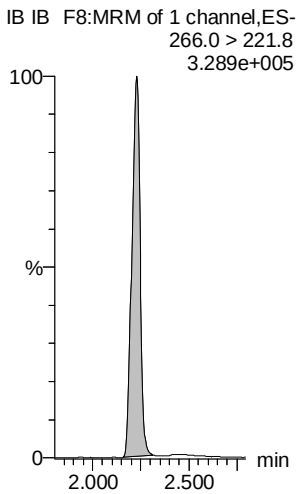



**13C3-PFPeA**

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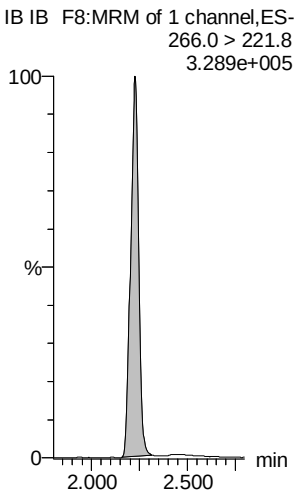


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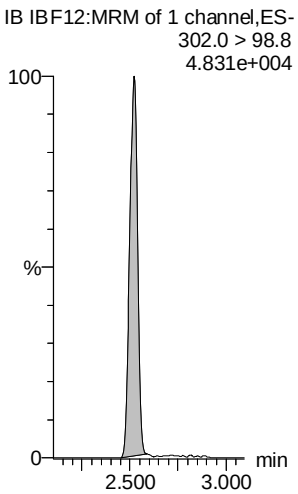
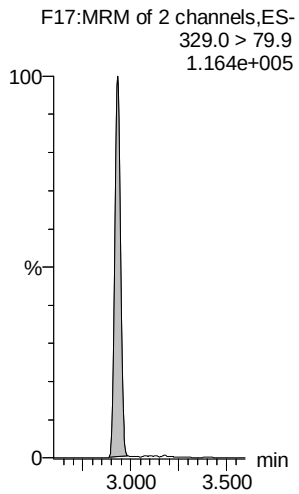



**13C2-4:2 FTS**

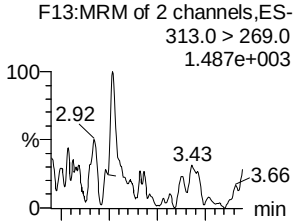


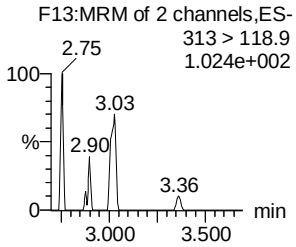
Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

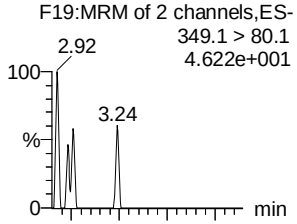
**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

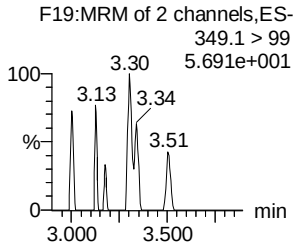
**PFHxA**



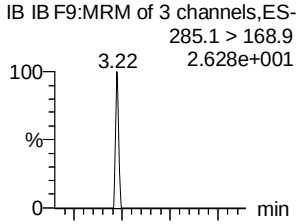



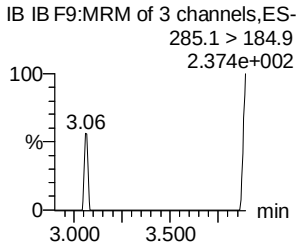

**PFPeS**



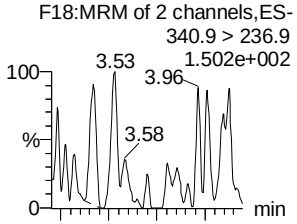



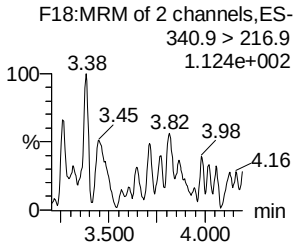

**HFPO-DA**



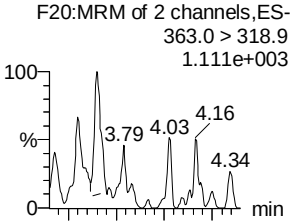



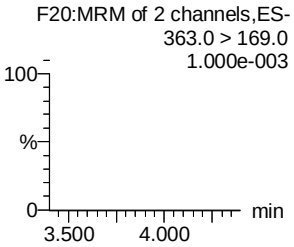

**5:3 FTCA**



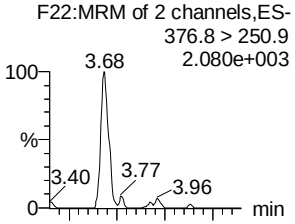



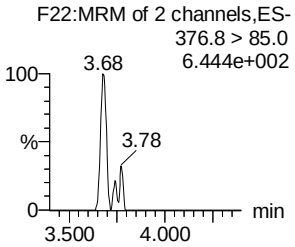

**PFHpA**




**ADONA**

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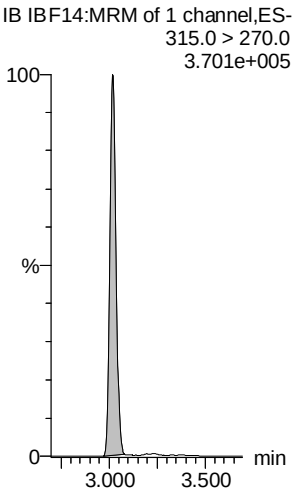
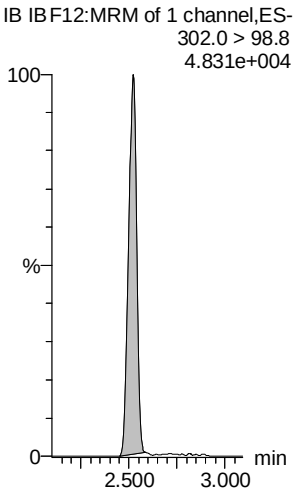
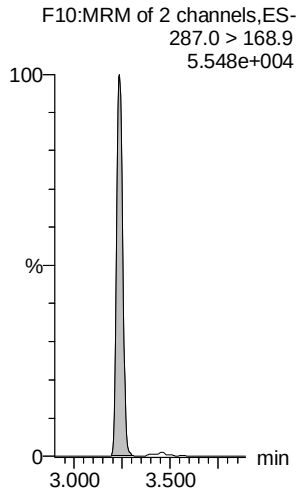



**13C3-PFBS**




**13C3-HFPO-DA**

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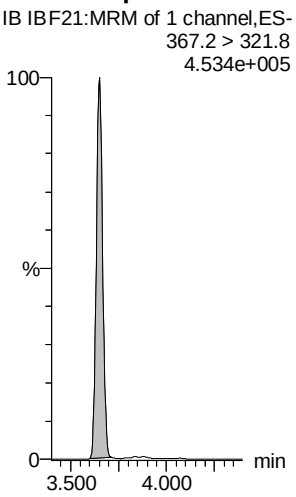


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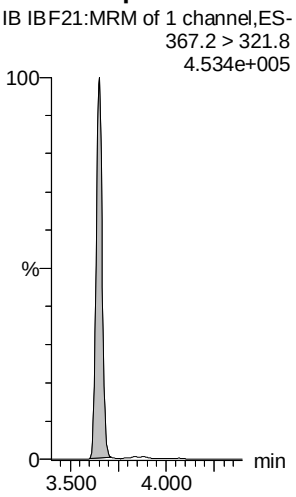


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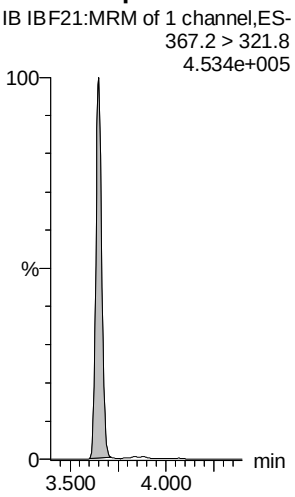

Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
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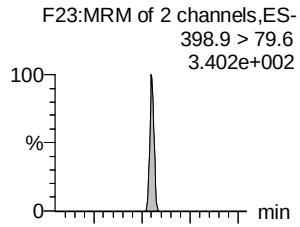
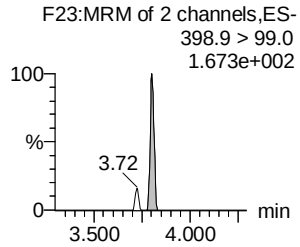
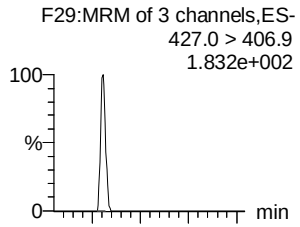
**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

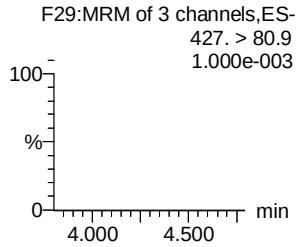
**L-PFHxS**



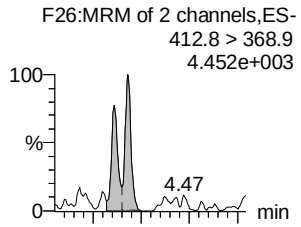



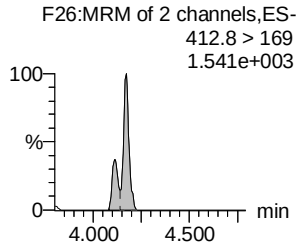

**6:2 FTS**



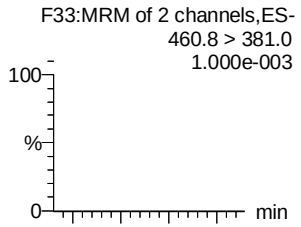



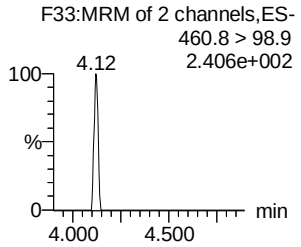

**L-PFOA**



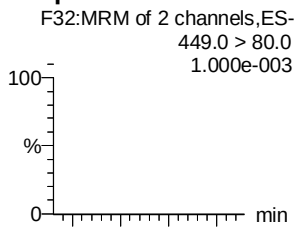



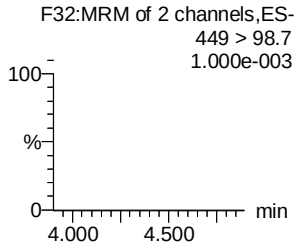

**PFEChS**



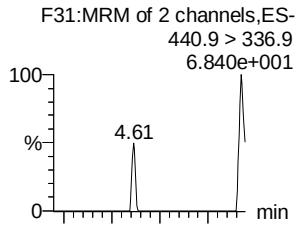



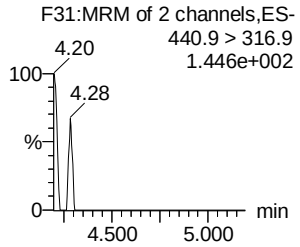

**PFHpS**



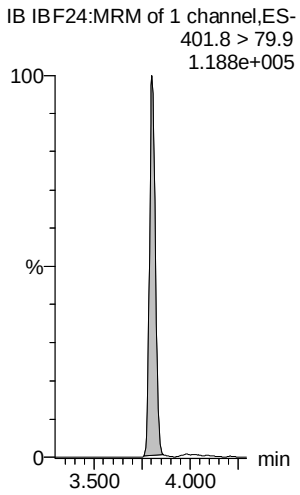




**7:3 FTCA**

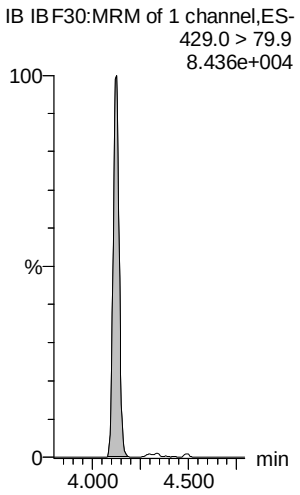


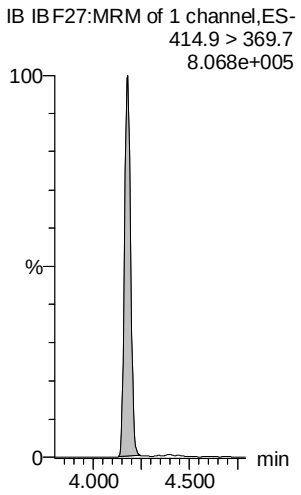

**13C3-PFHxS**




**13C2-6:2 FTS**




**13C2-PFOA**

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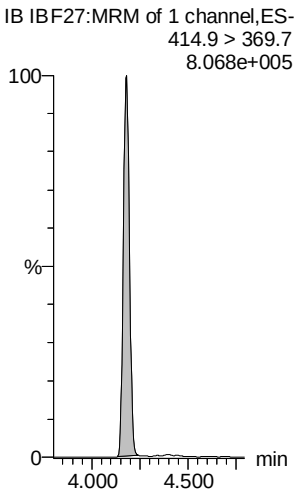
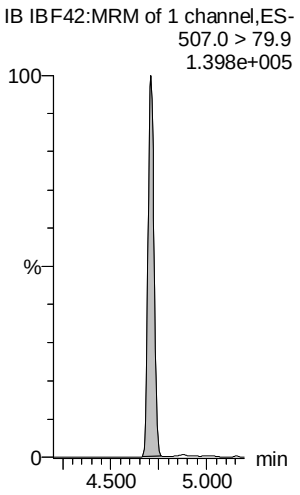
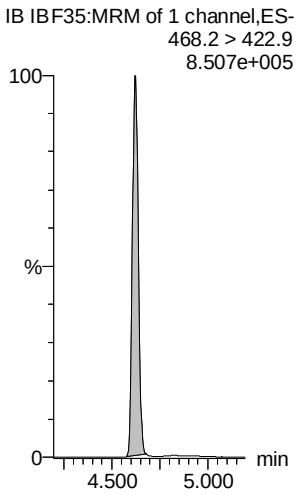



**13C8-PFOS**




**13C5-PFNA**



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Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

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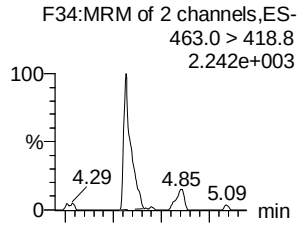
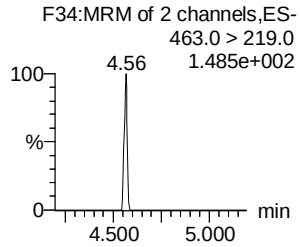
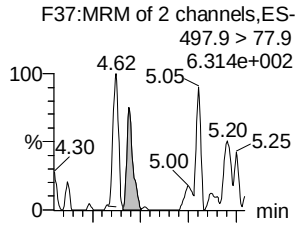
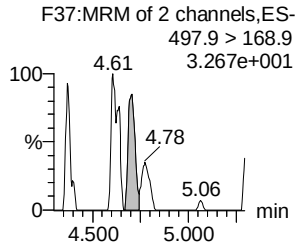


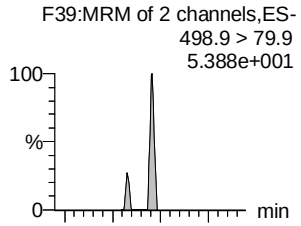



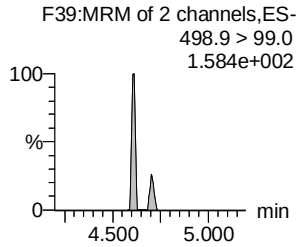

**PFOSA**




**L-PFOS**

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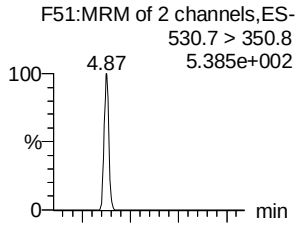


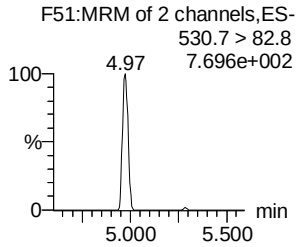


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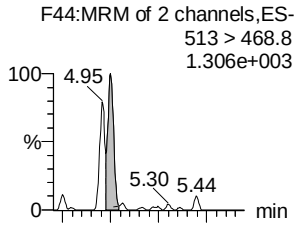
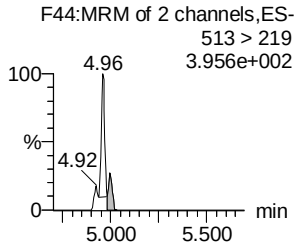
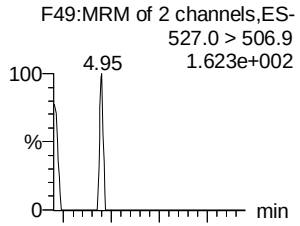
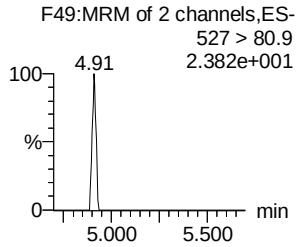


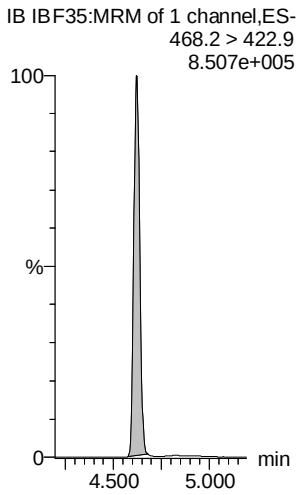




**8:2 FTS**

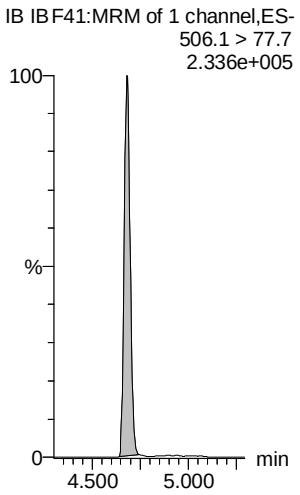



**13C5-PFNA**




**13C8-PFOSA**

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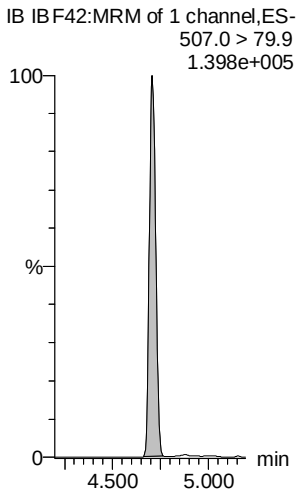


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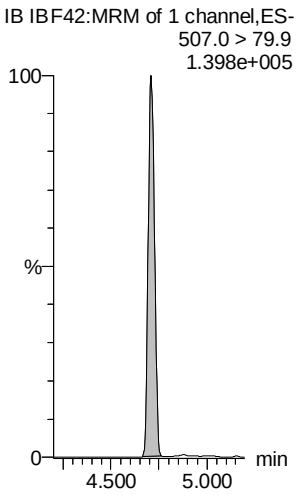


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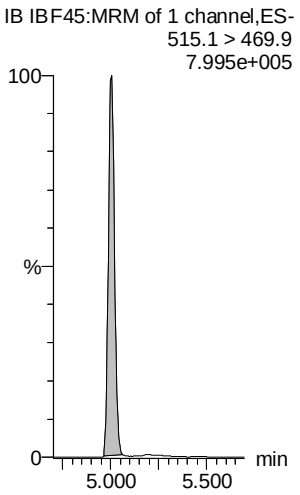
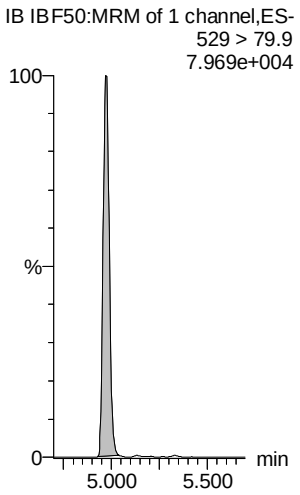



**13C2-8:2 FTS**



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Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

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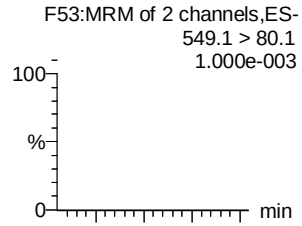


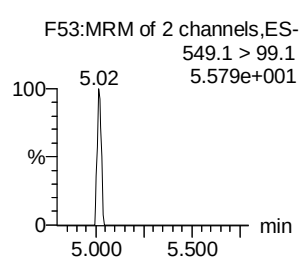


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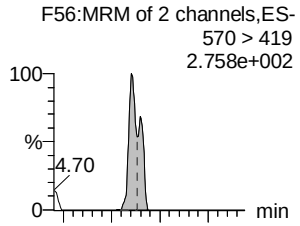


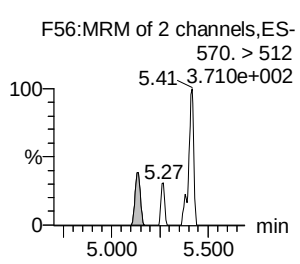


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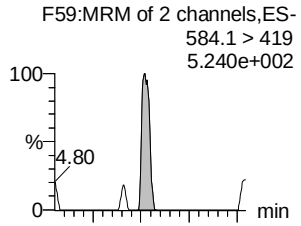


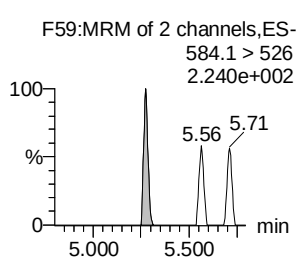


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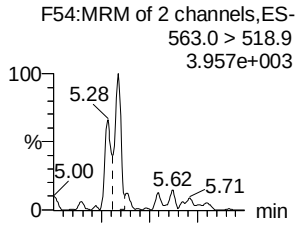


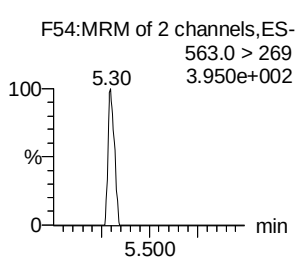


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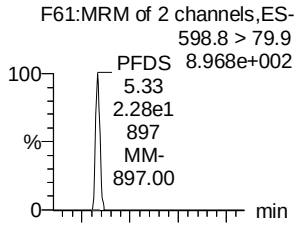


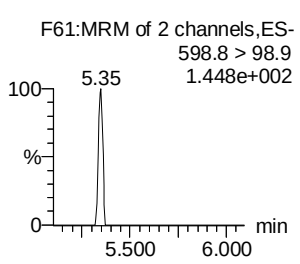


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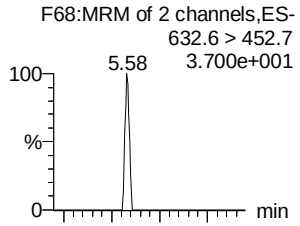


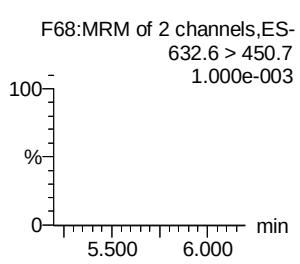


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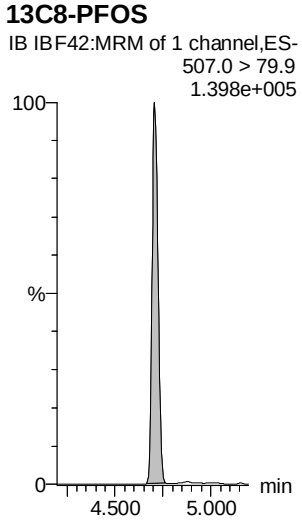
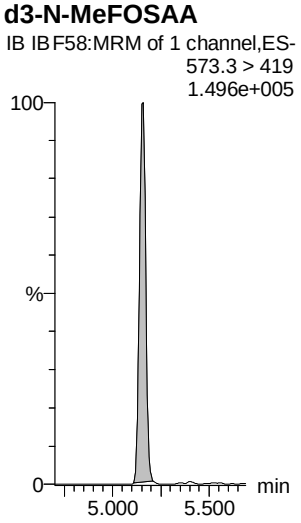



**d3-N-MeFOSAA**

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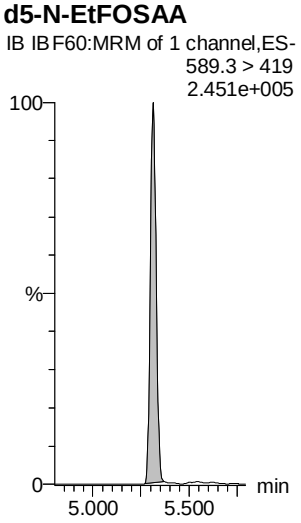
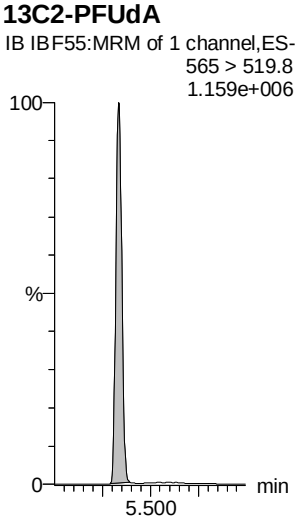



**13C2-PFUdA**

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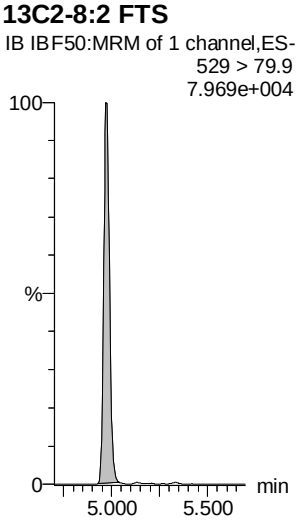


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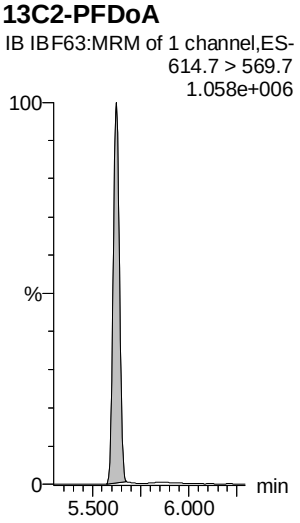

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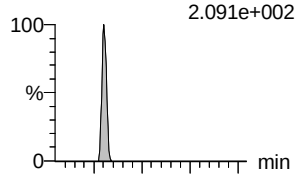
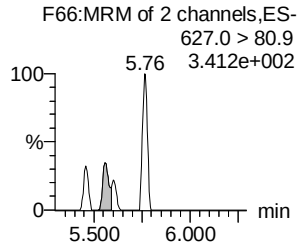
**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

**10:2 FTS**

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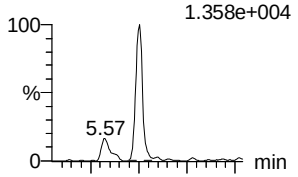
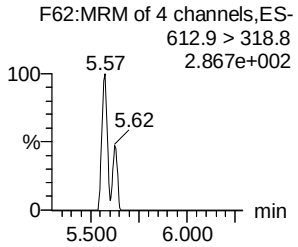
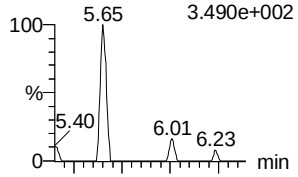
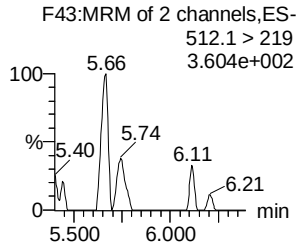



**N-MeFOSA**

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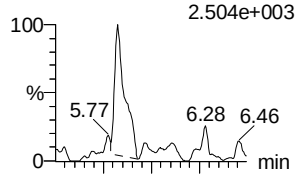


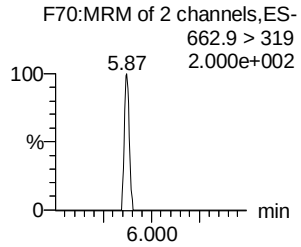


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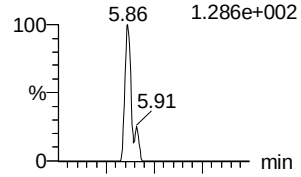
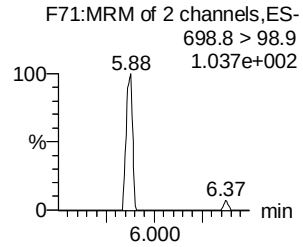
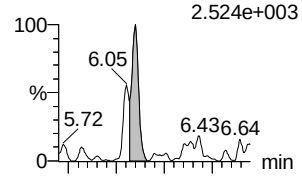
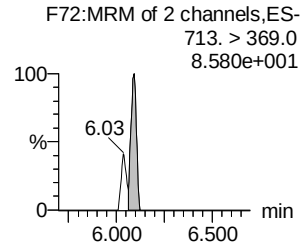


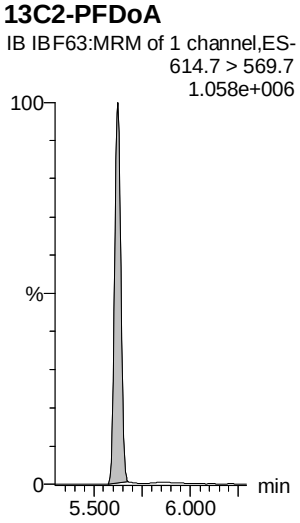




**PFTeDA**

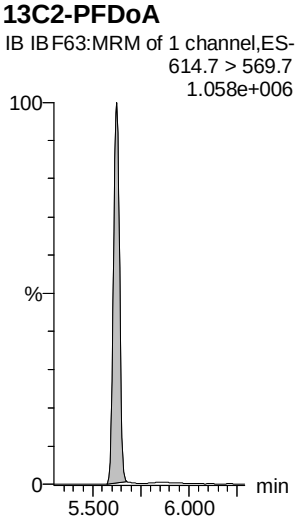


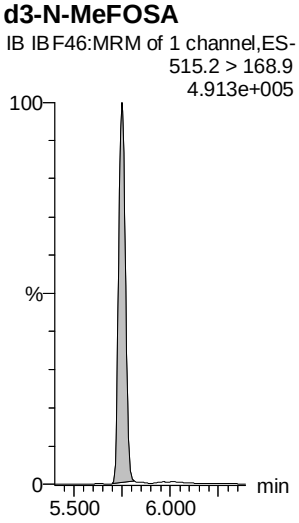

**13C2-PFDoA**



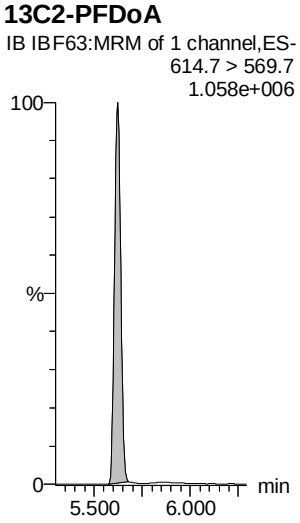

**13C2-PFDoA**



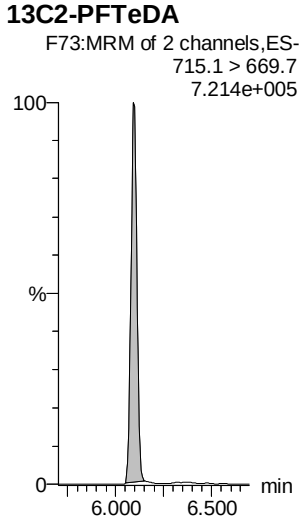

**d3-N-MeFOSA**



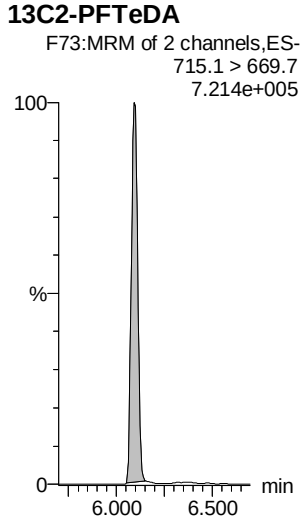

**13C2-PFDoA**




**13C2-PFTeDA**




**13C2-PFTeDA**

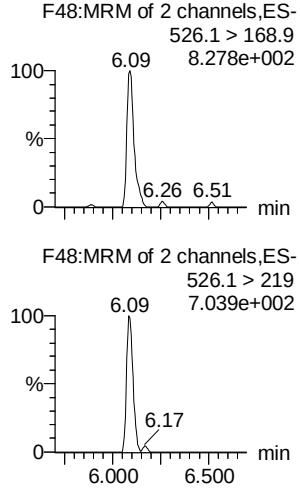


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

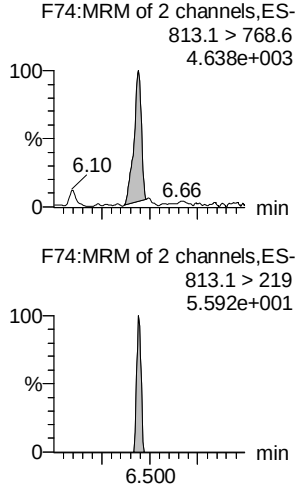
Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

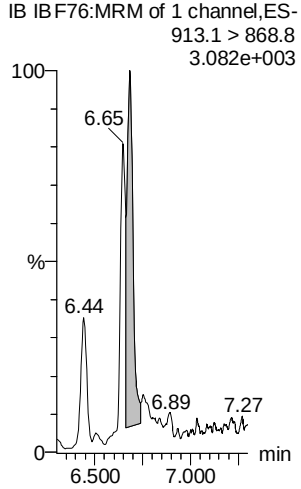
**N-EtFOSA**



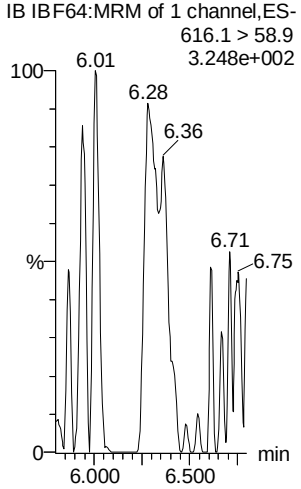

**PFHxDA**



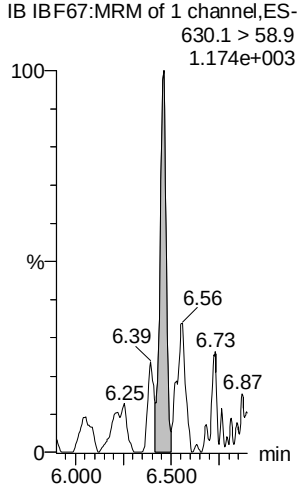

**PFODA**



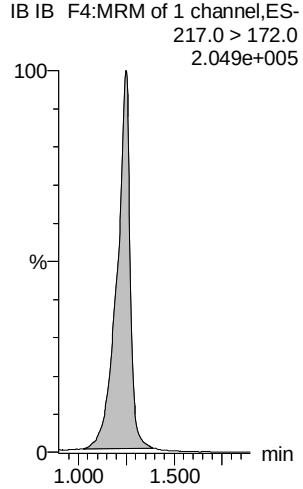

**N-MeFOSE**



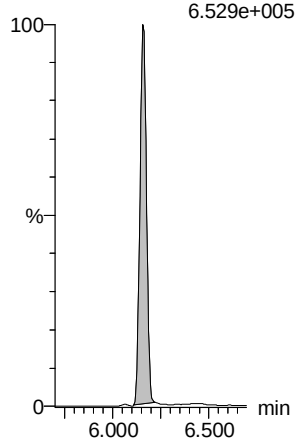

**N-EtFOSE**



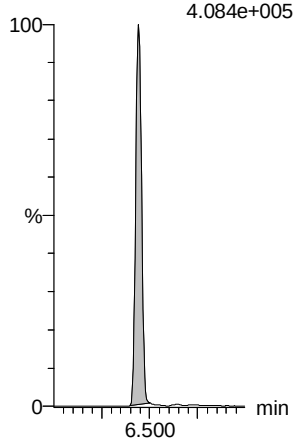

**13C4-PFBA**



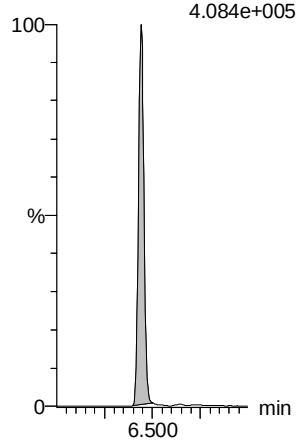

**d5-N-ETFOSA**



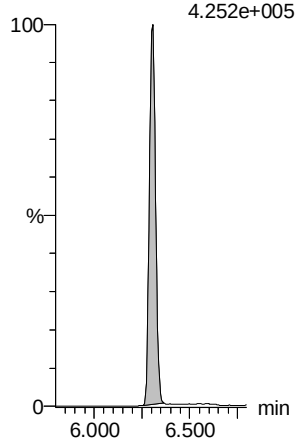

**13C2-PFHxDA**



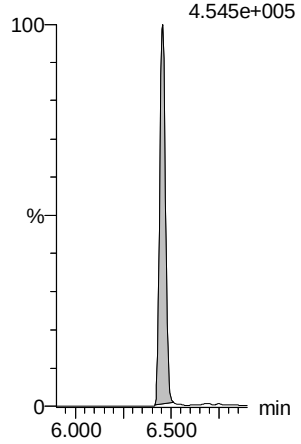

**13C2-PFHxDA**



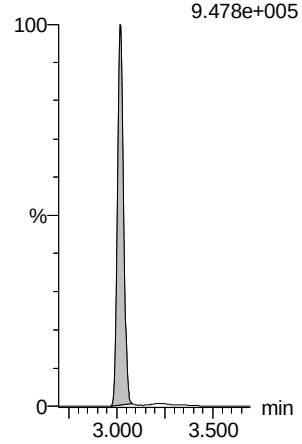

**d7-N-MeFOSE**




**d9-N-EtFOSE**




**13C5-PFHxA**

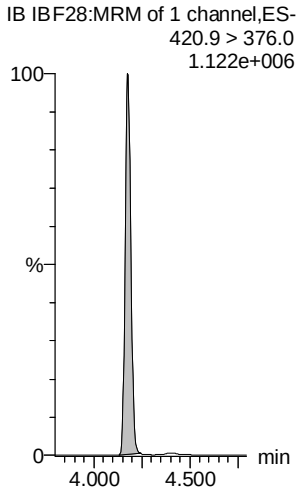


Dataset: F:\Projects\PFAS.PRO\Results\190806M1\190806M1-IB.qld

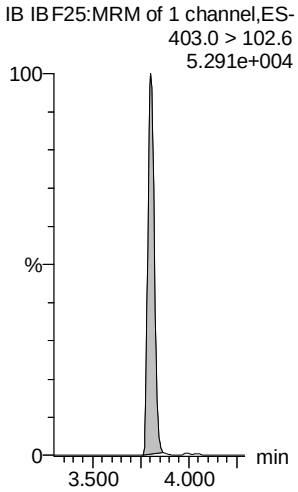
Last Altered: Tuesday, August 06, 2019 14:52:46 Pacific Daylight Time
Printed: Tuesday, August 06, 2019 14:53:21 Pacific Daylight Time

**Name: 190806M1_18, Date: 06-Aug-2019, Time: 13:30:34, ID: IB, Description: IB**

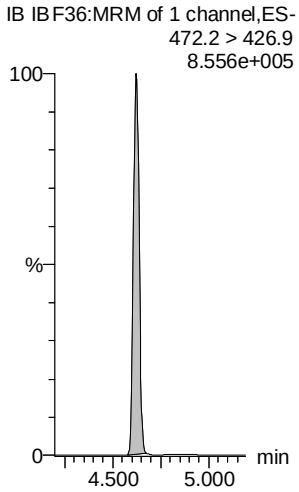
**13C8-PFOA**



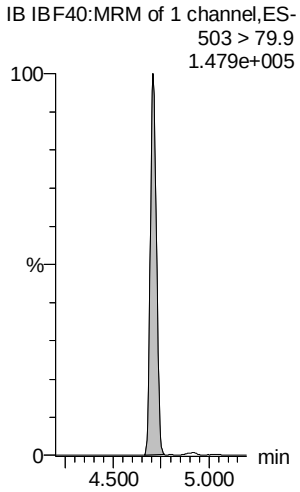

**18O2-PFHxS**



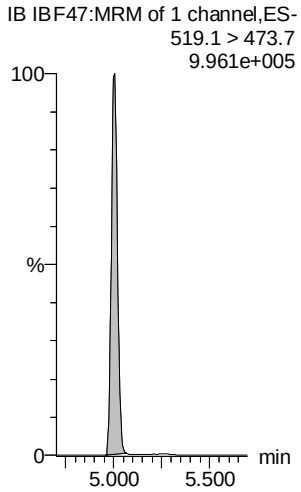

**13C9-PFNA**



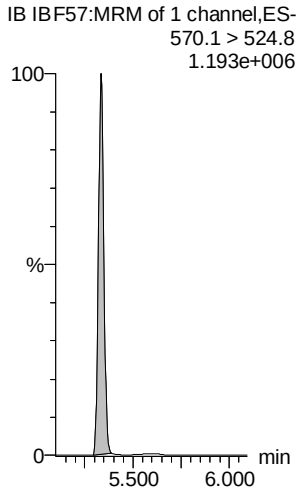

**13C4-PFOS**




**13C6-PFDA**




**13C7-PFUdA**



# TUNE CHECKS

Q4(M) 07-22-19

07/15/19 CCH 7/22/19

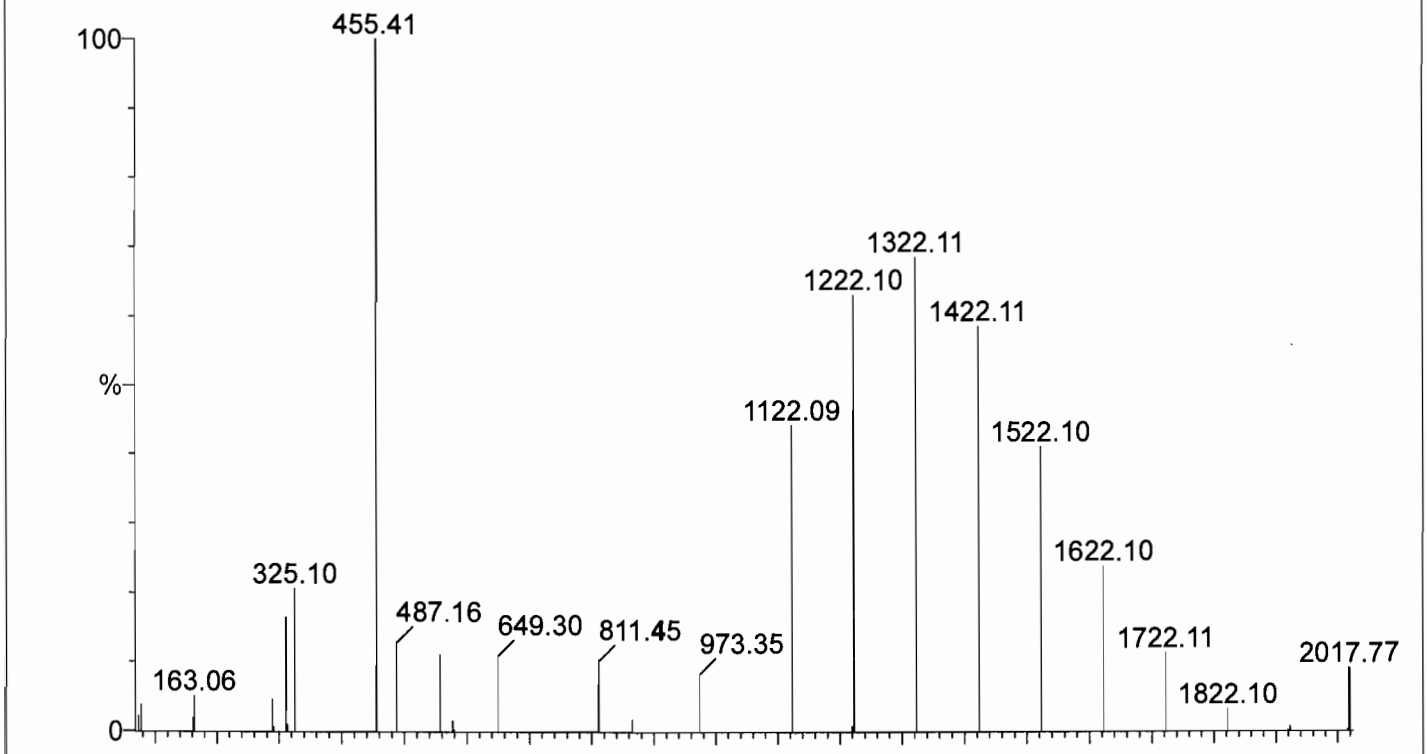
**Calibration Verification Report - MS1 Static**



**Printed:** **Mon Jul 22 09:46:06 2019**

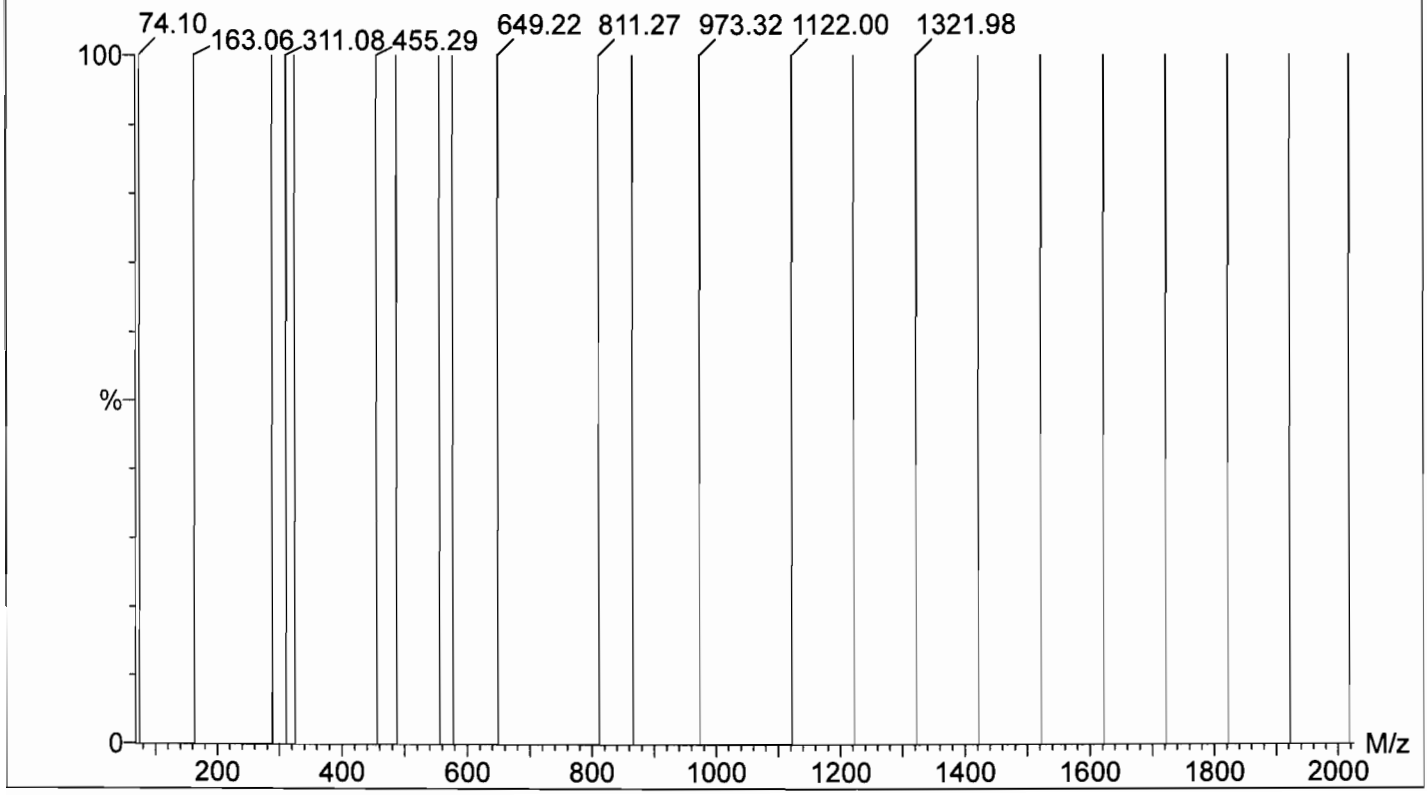
Data file: STATMS1V - Calibrated

23 matches of 23 tested references

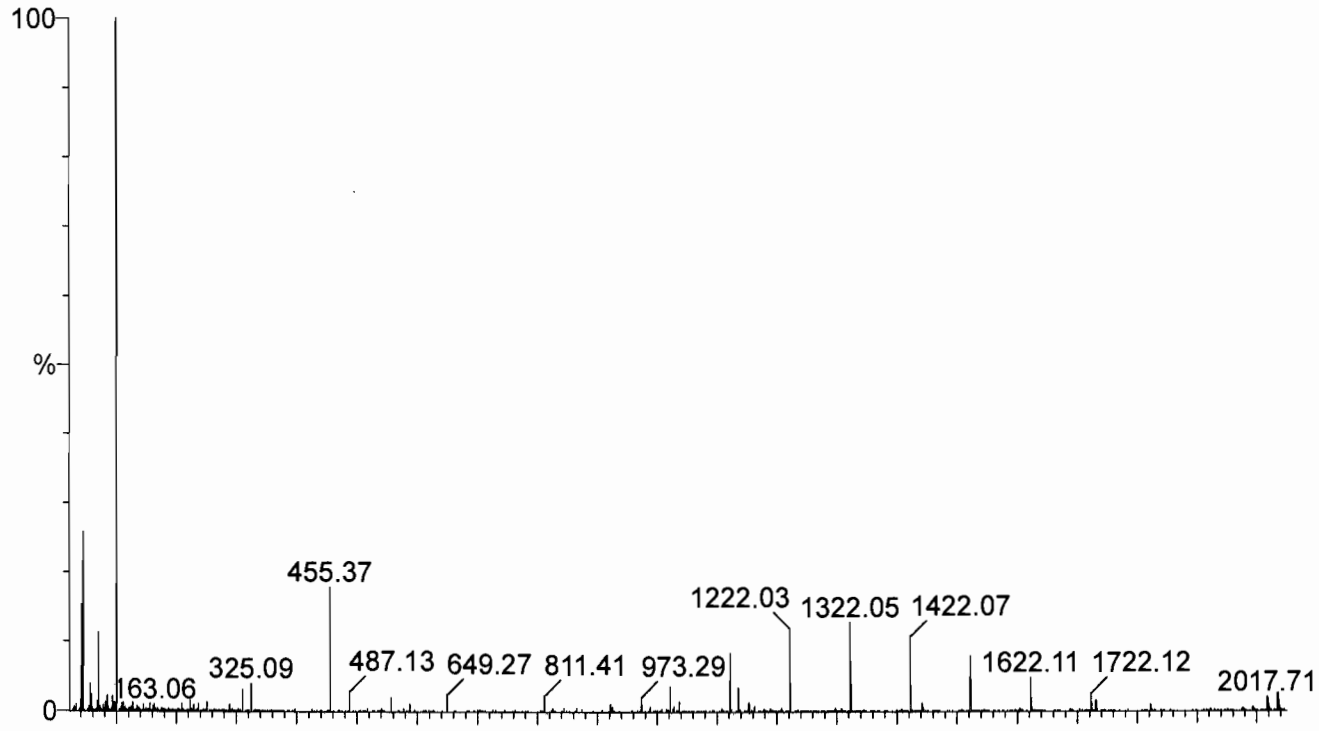



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

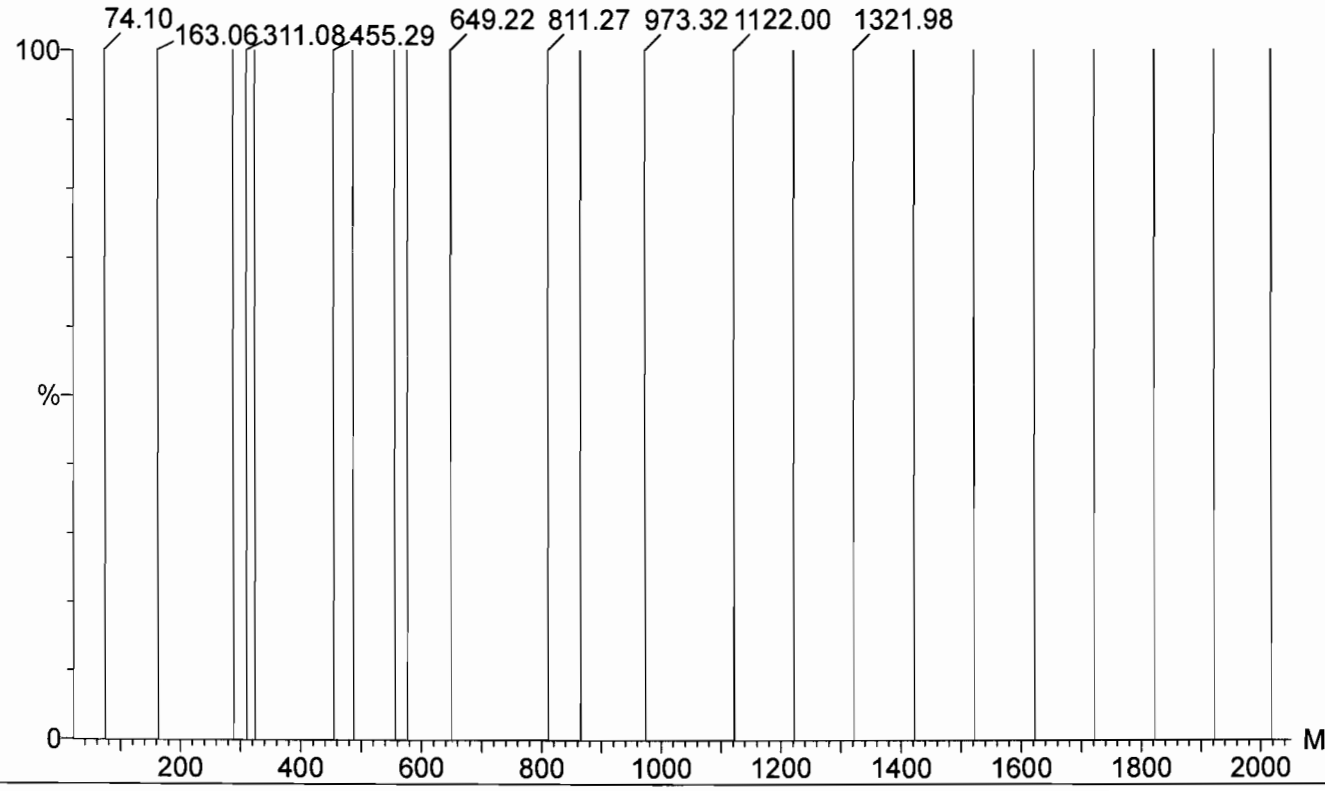
Mean residual = 0.0882 amu



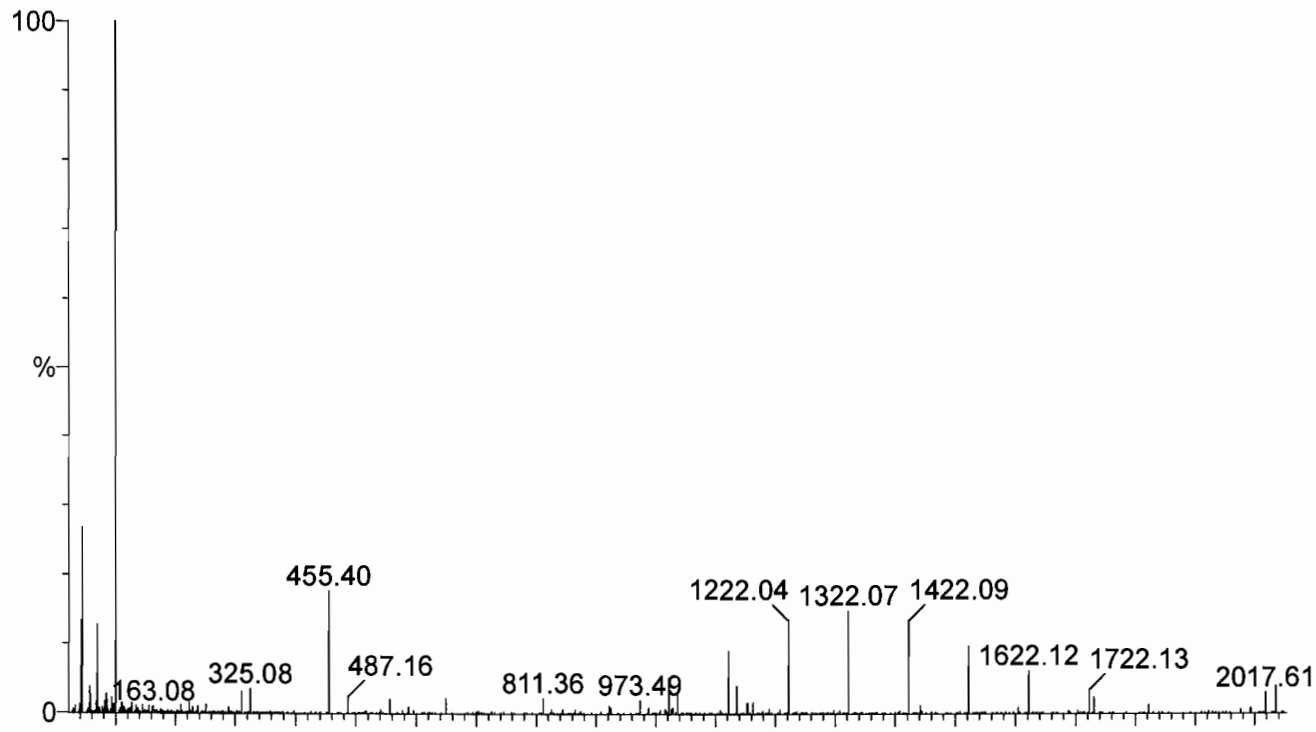
Data file: SCNMS1V - Calibrated 23 matches of 23 tested references



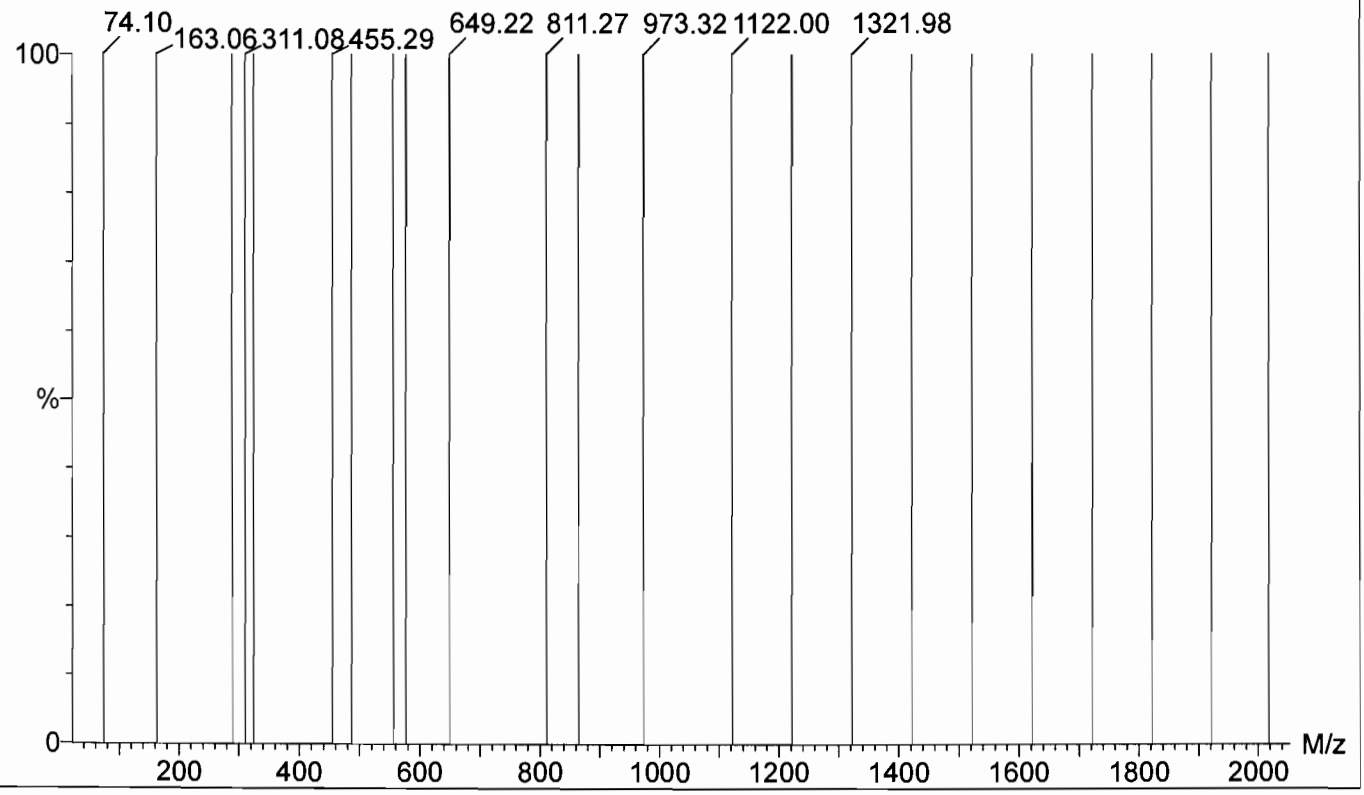

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0782 amu



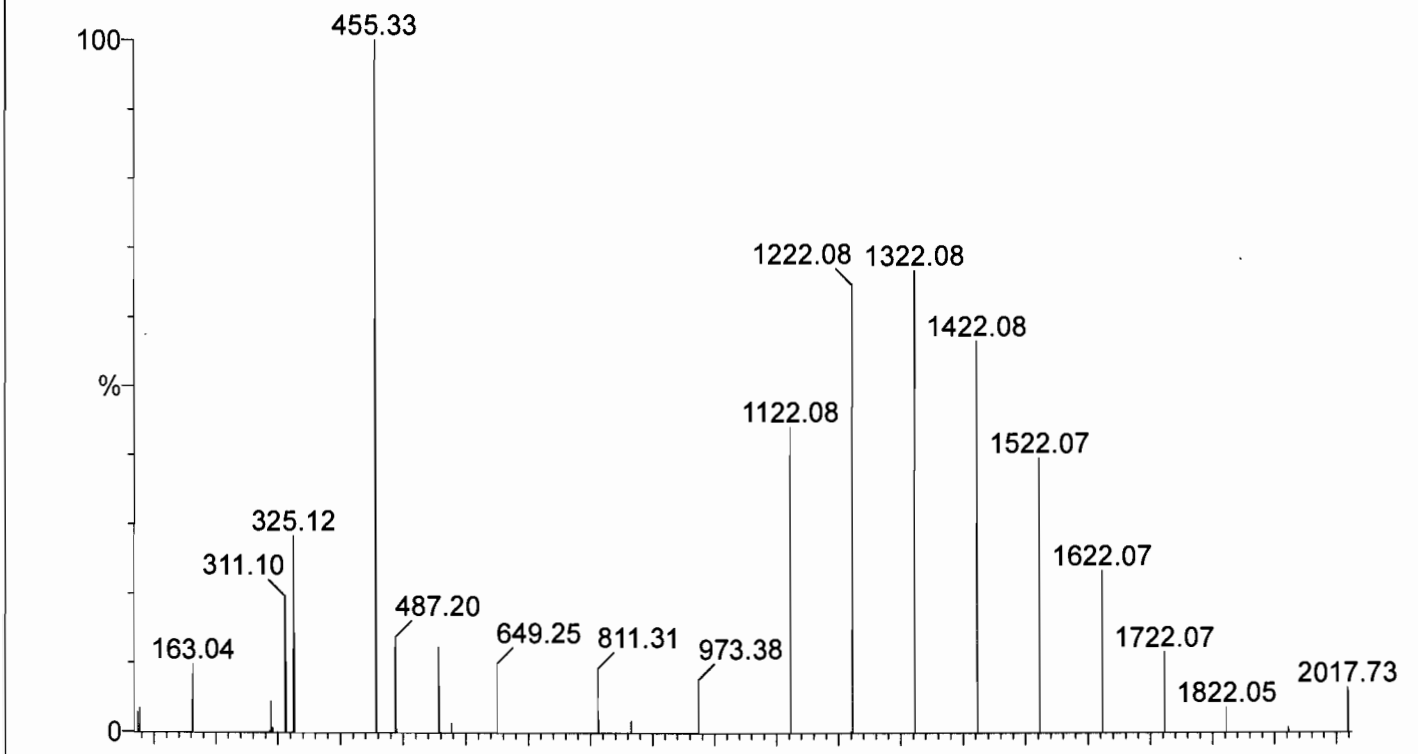
Data file: FASTMS1V - Calibrated 23 matches of 23 tested references



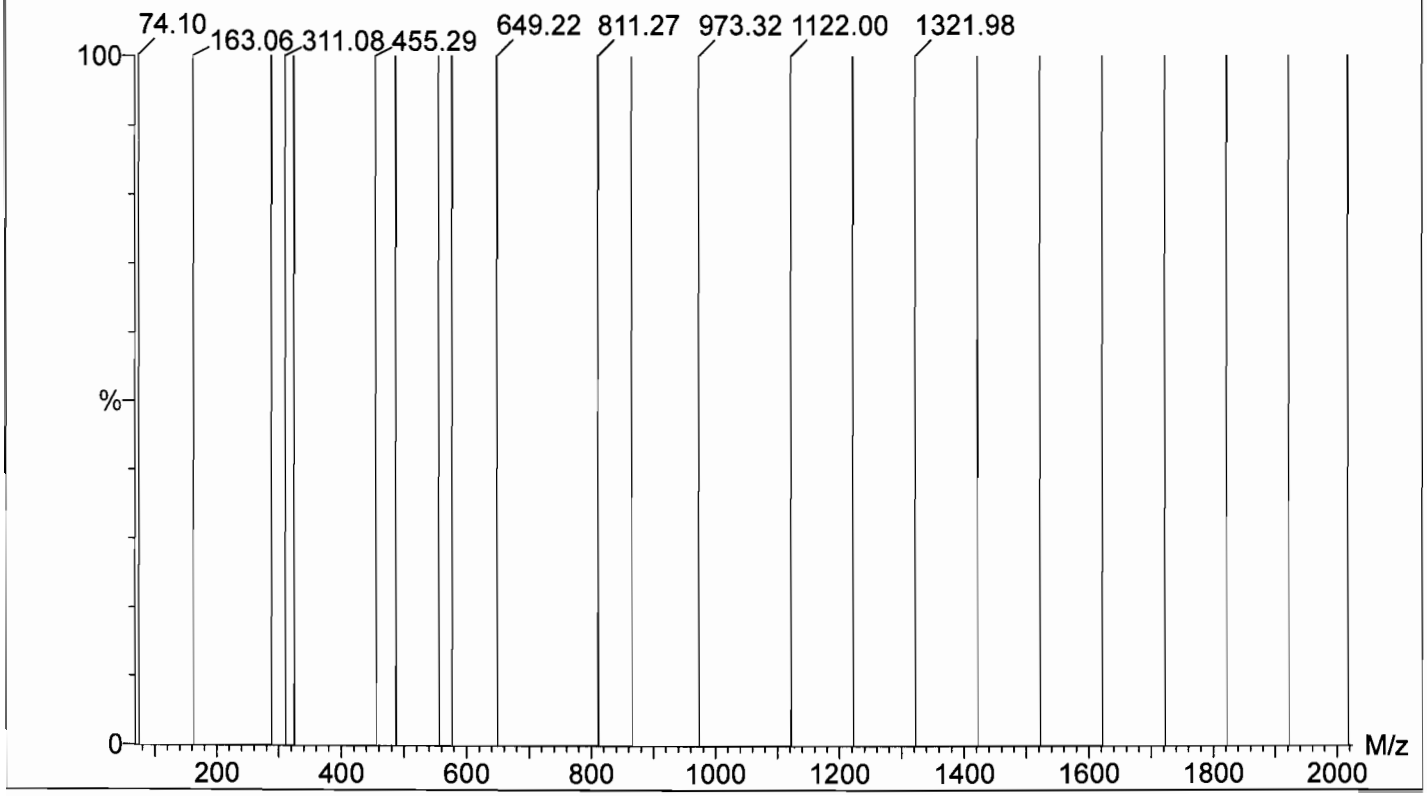

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.081 amu



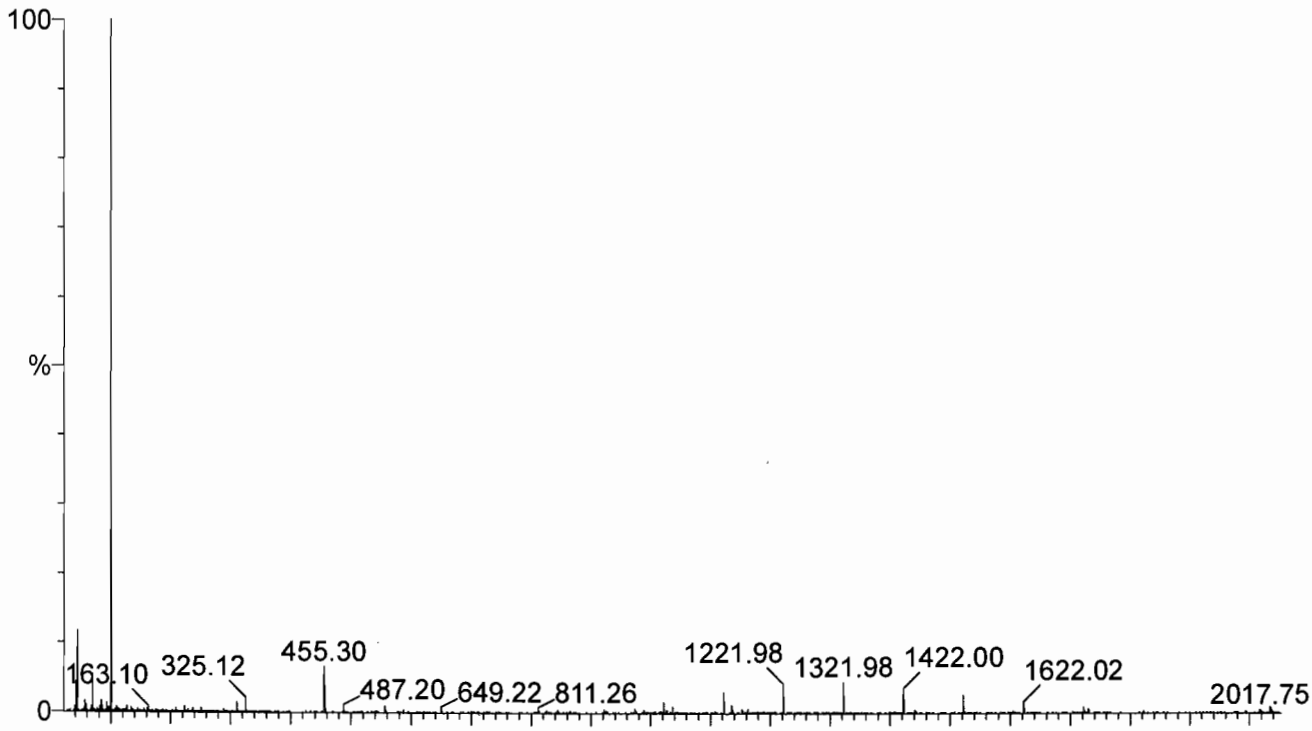
Data file: STATMS2V - Calibrated 23 matches of 23 tested references



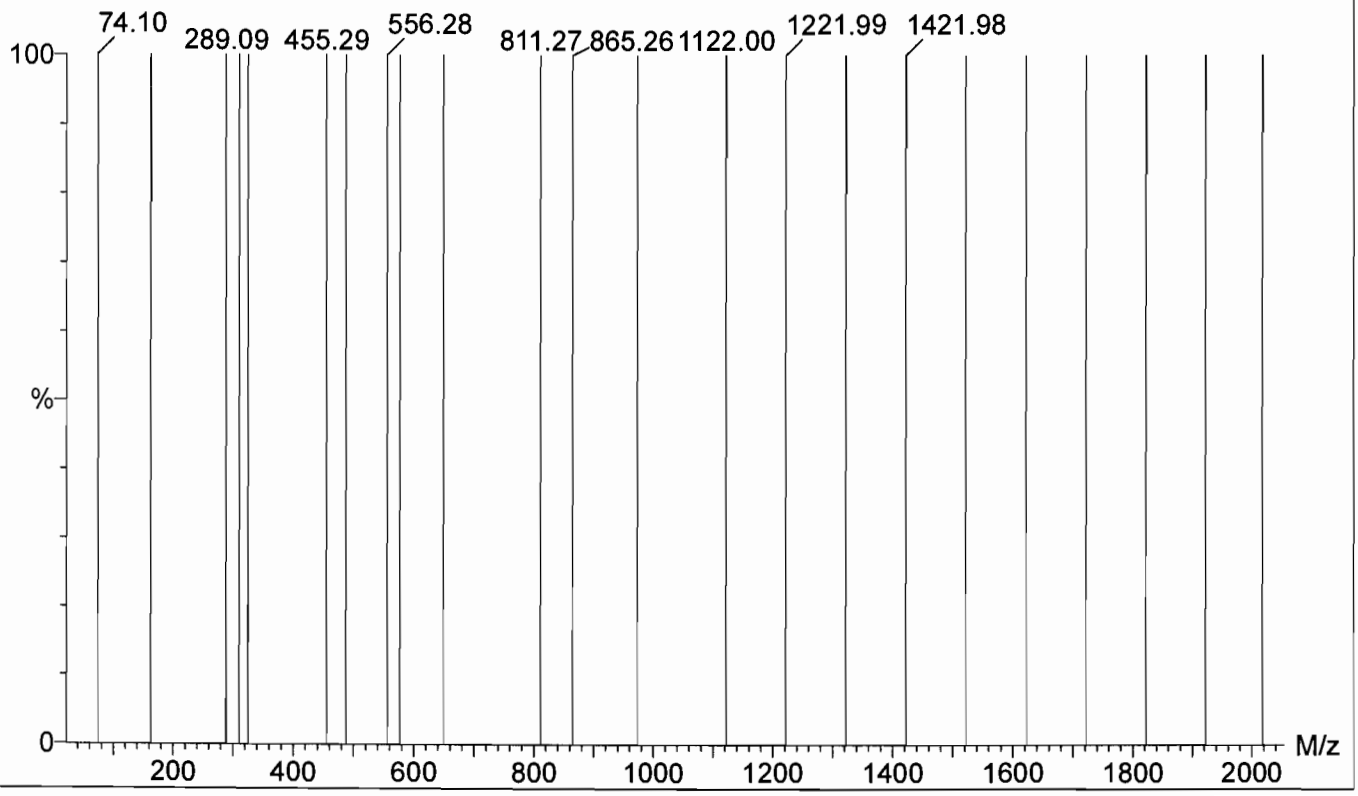

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.063 amu



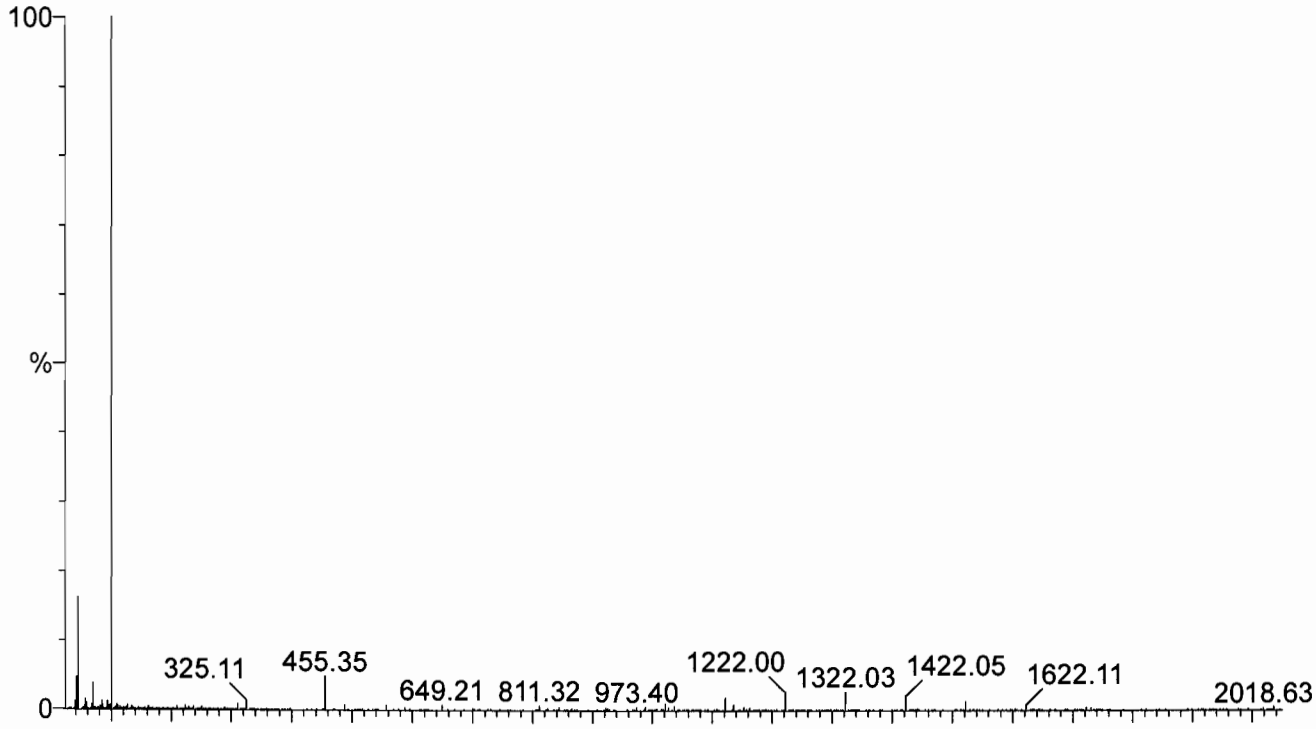
Data file: SCNMS2V - Calibrated 23 matches of 23 tested references



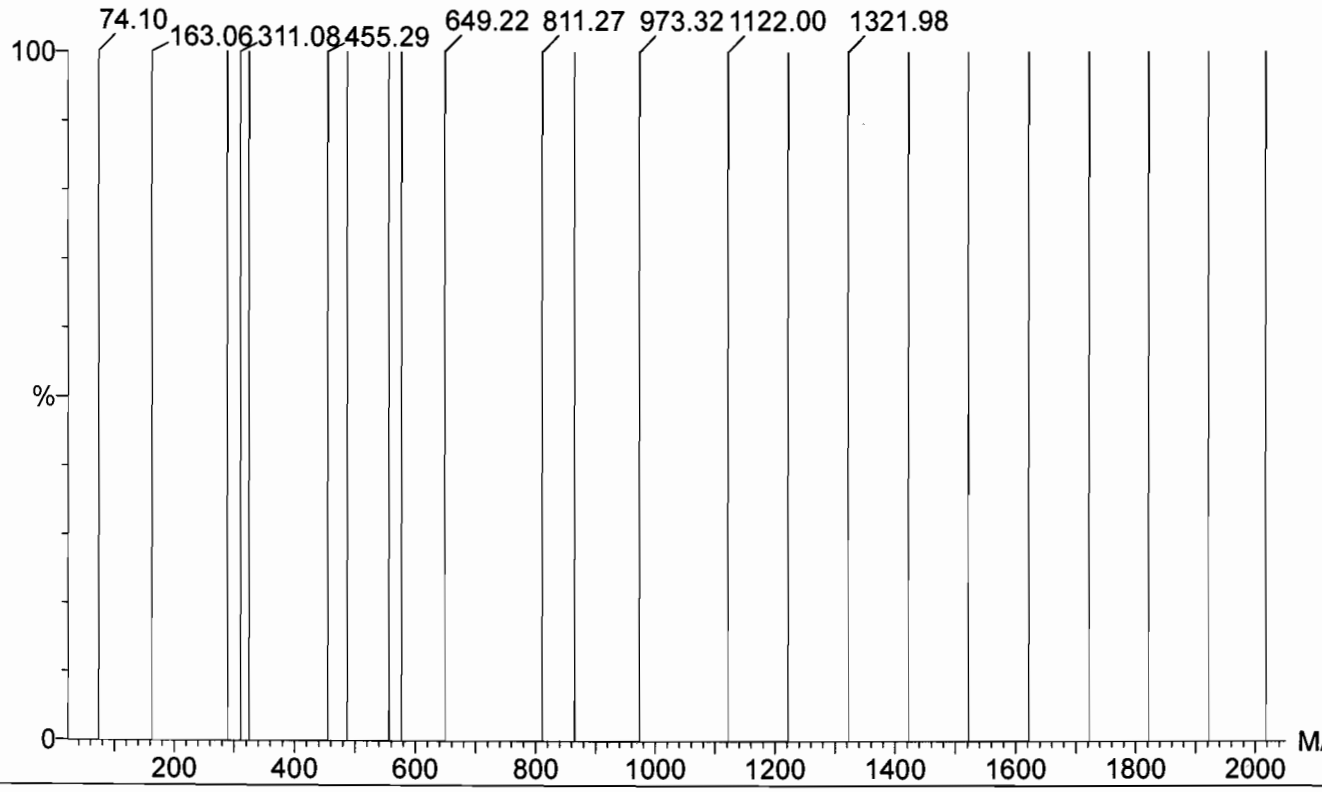

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0334 amu



Data file: FASTMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0885 amu



Q4(M) 07-26-19

07/15/19 Calt 7/26/19

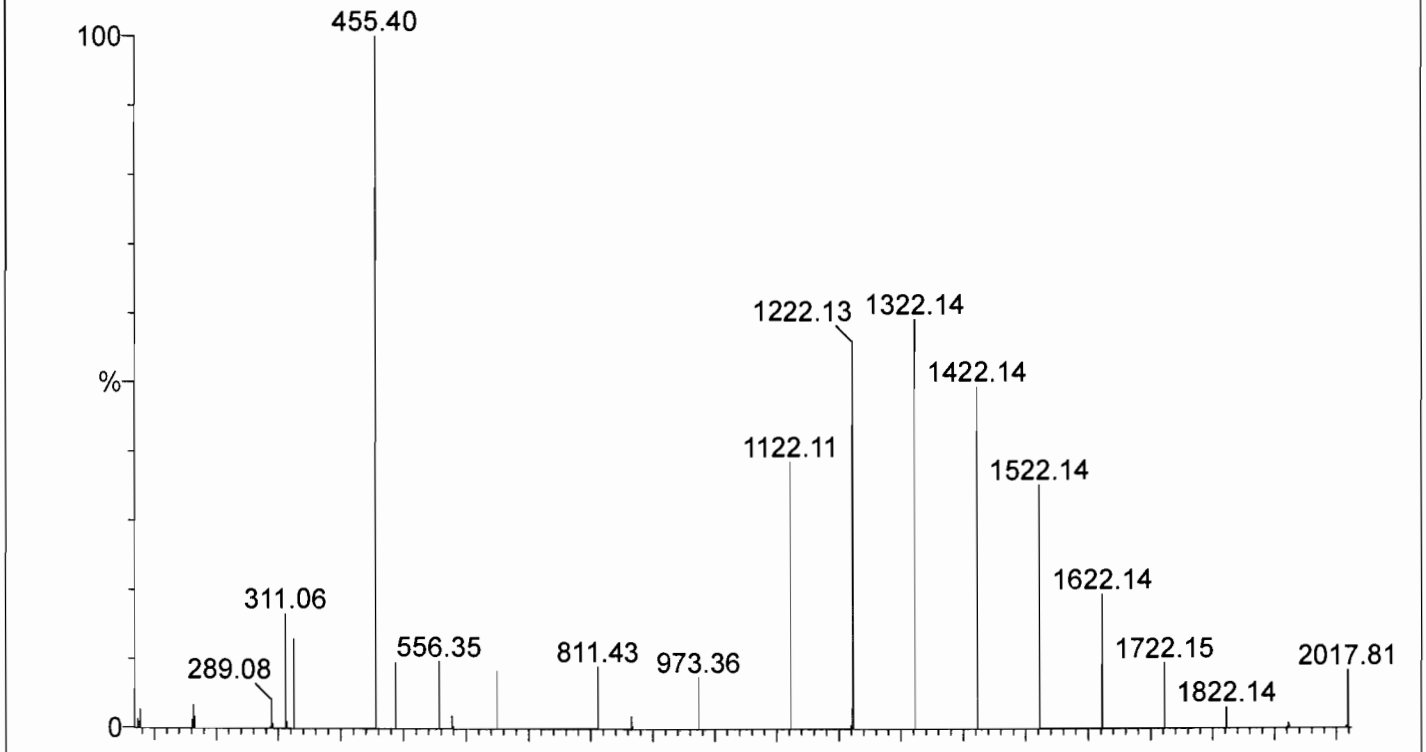
**Calibration Verification Report - MS1 Static**



**Printed:** **Fri Jul 26 07:48:07 2019**

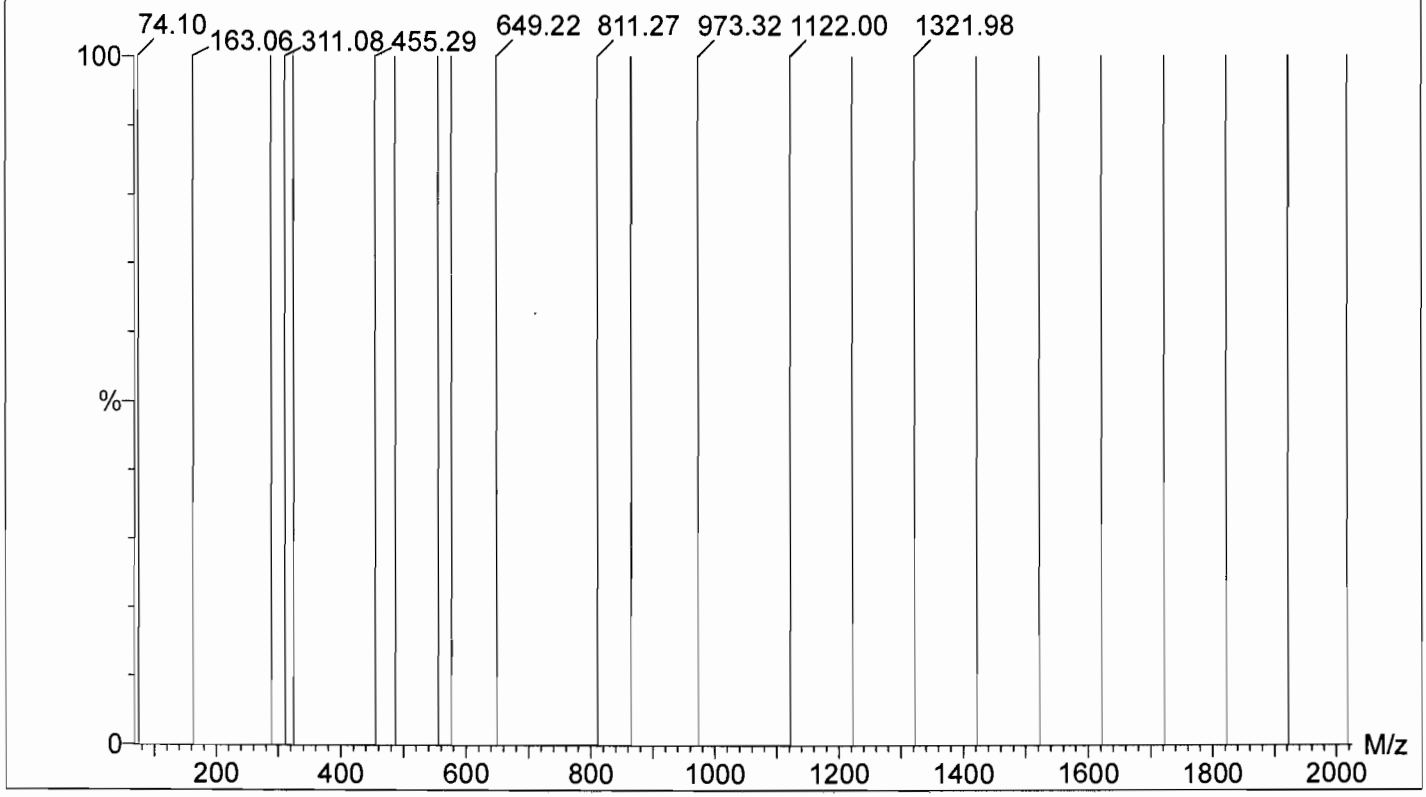
Data file: STATMS1V - Calibrated

23 matches of 23 tested references

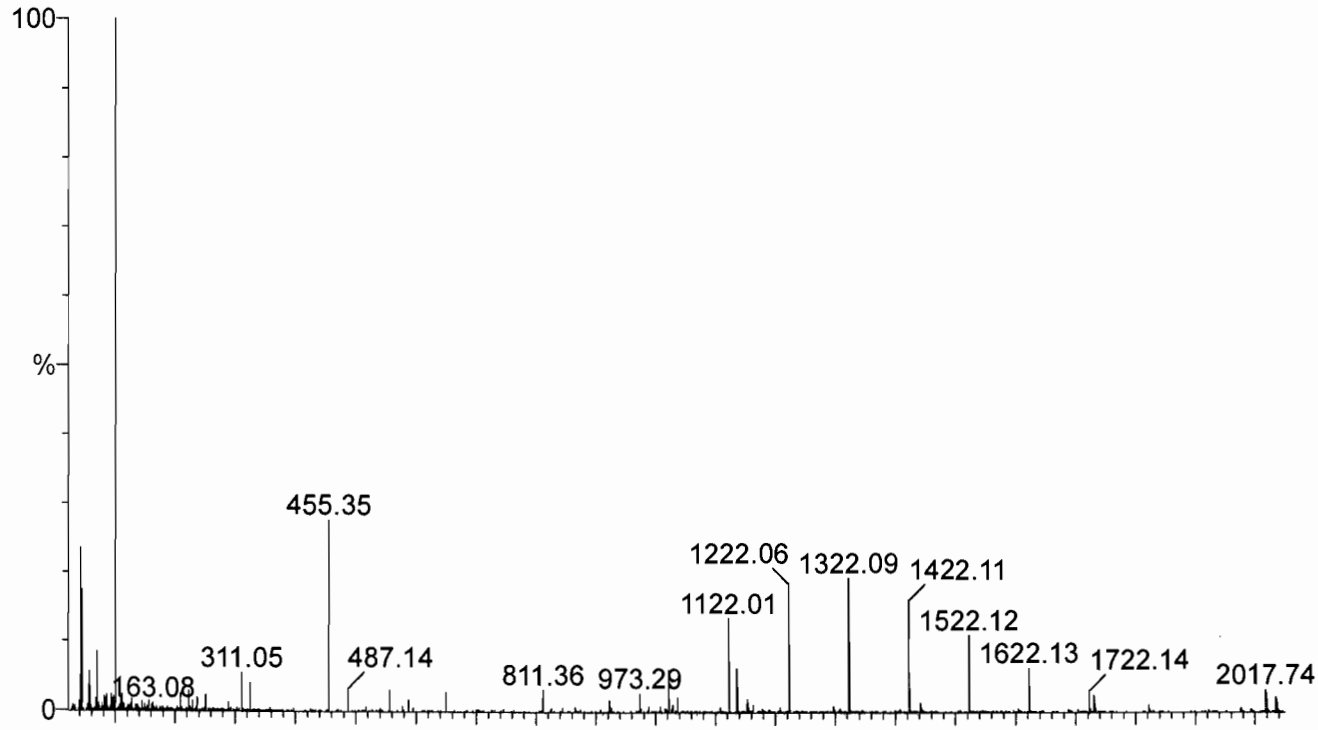



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

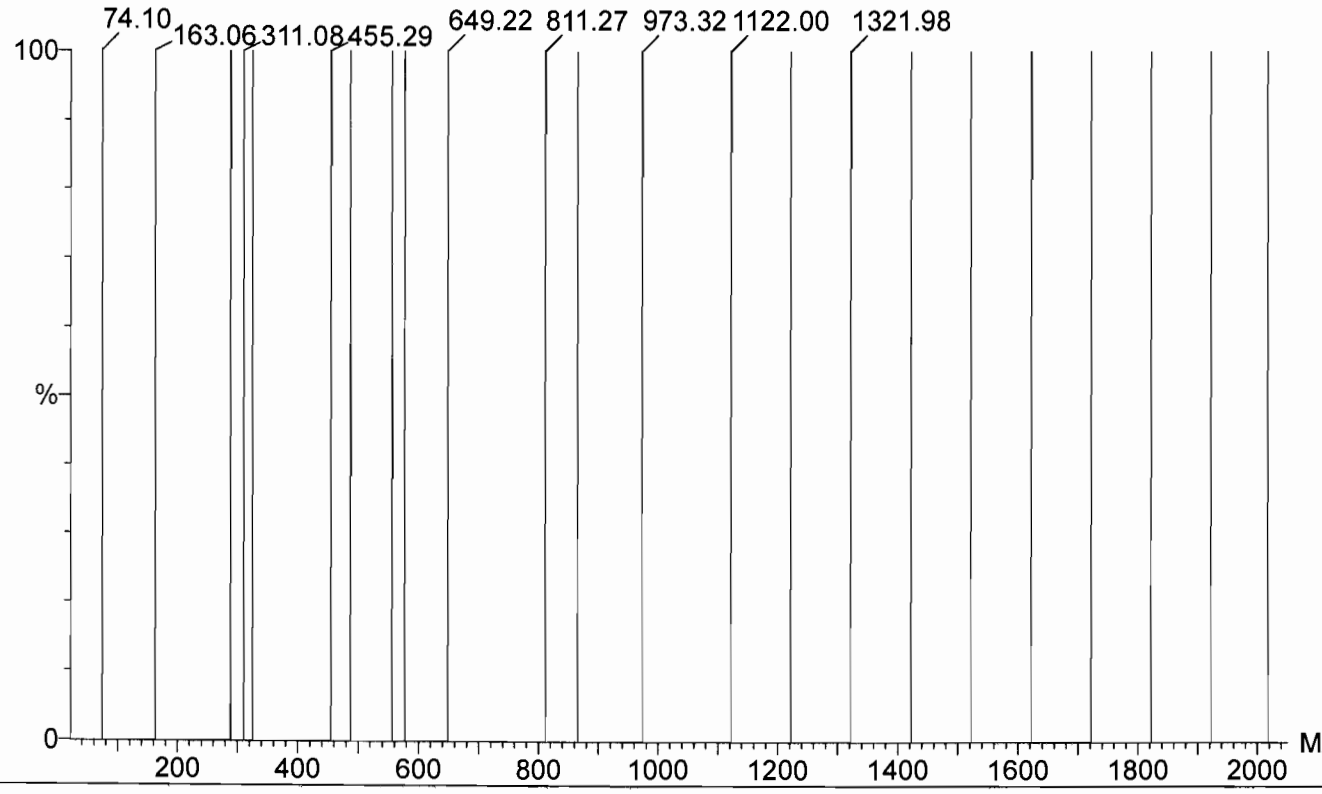
Mean residual = 0.105 amu



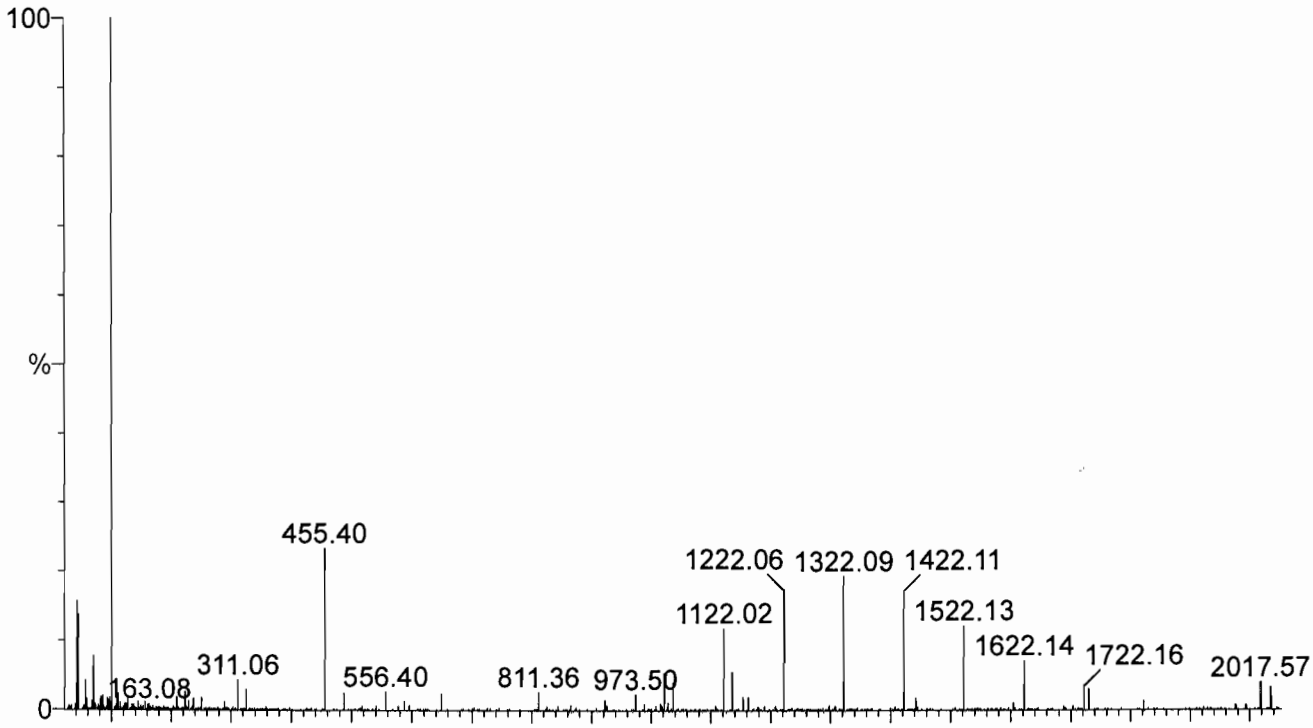
Data file: SCNMS1V - Calibrated 23 matches of 23 tested references



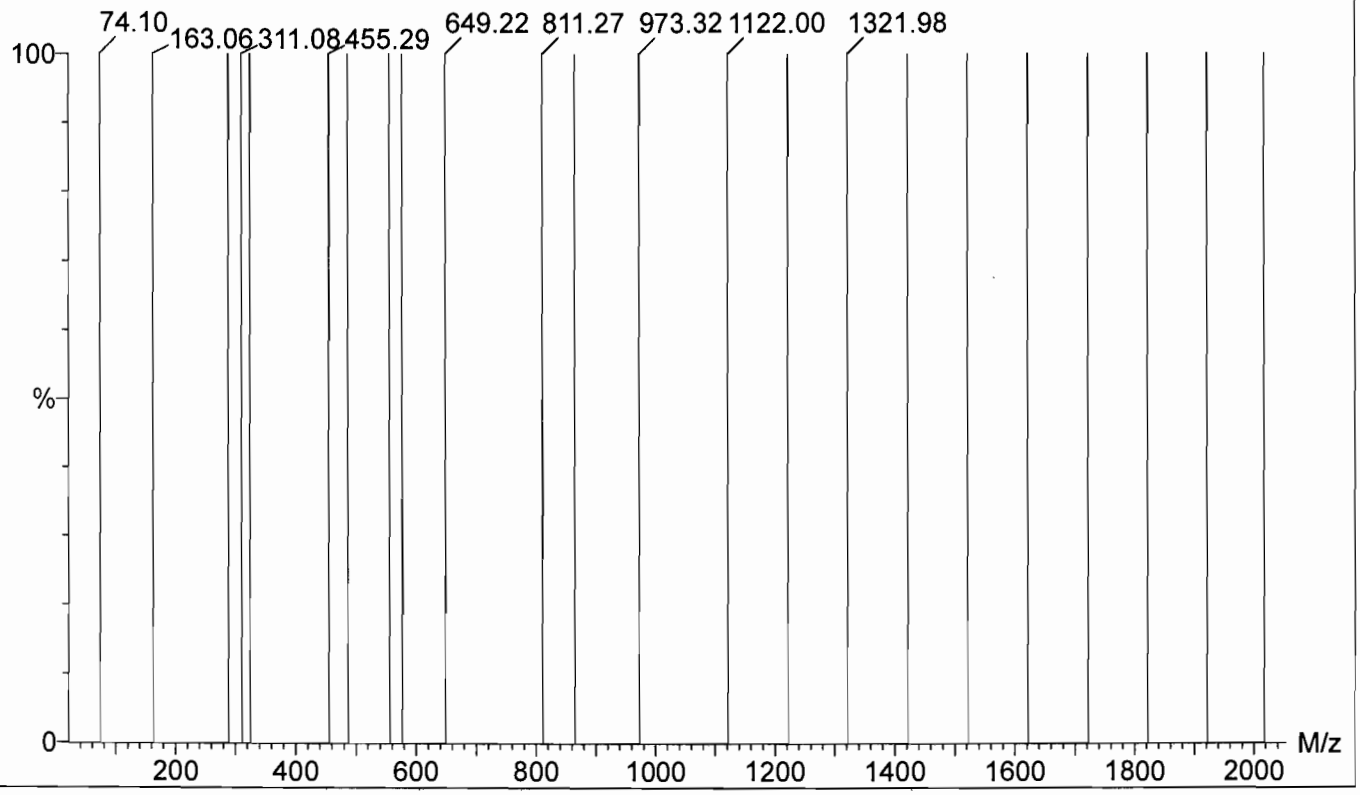

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0845 amu



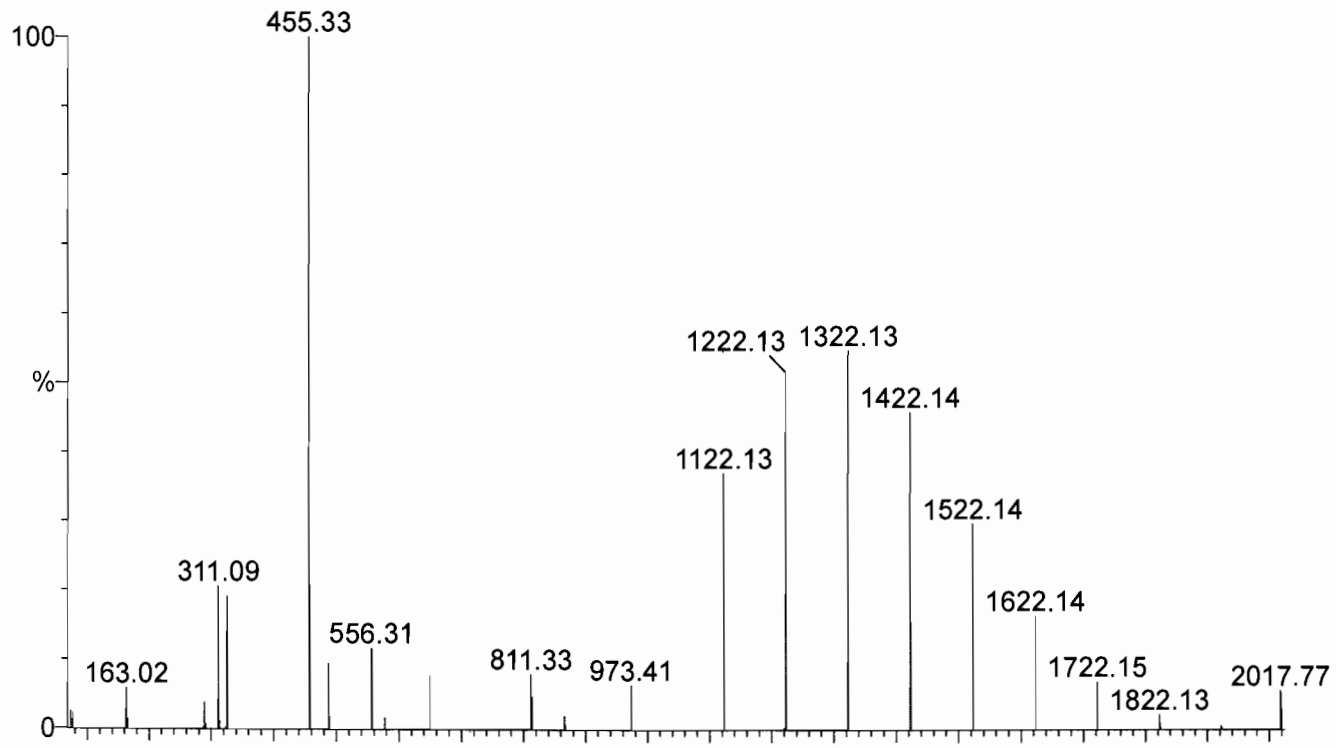
Data file: FASTMS1V - Calibrated 23 matches of 23 tested references



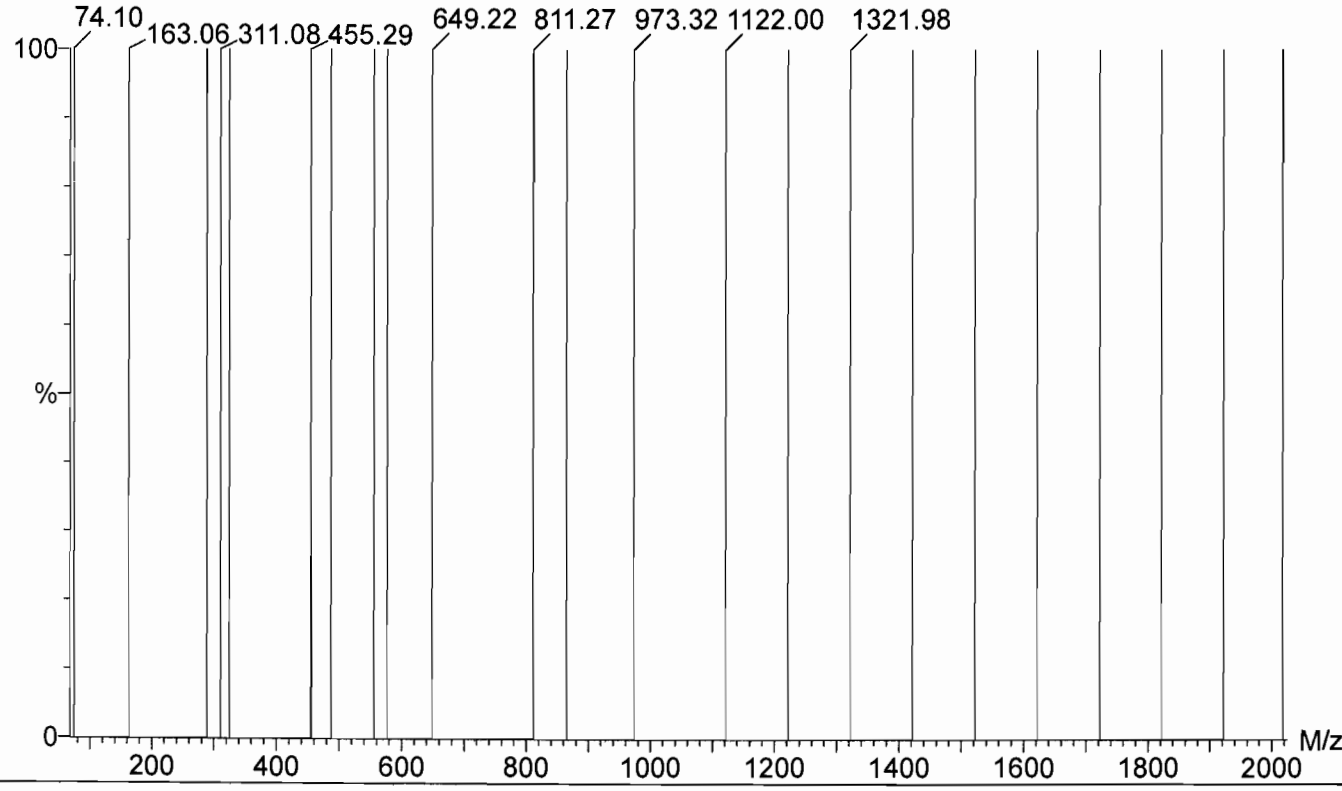

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0911 amu



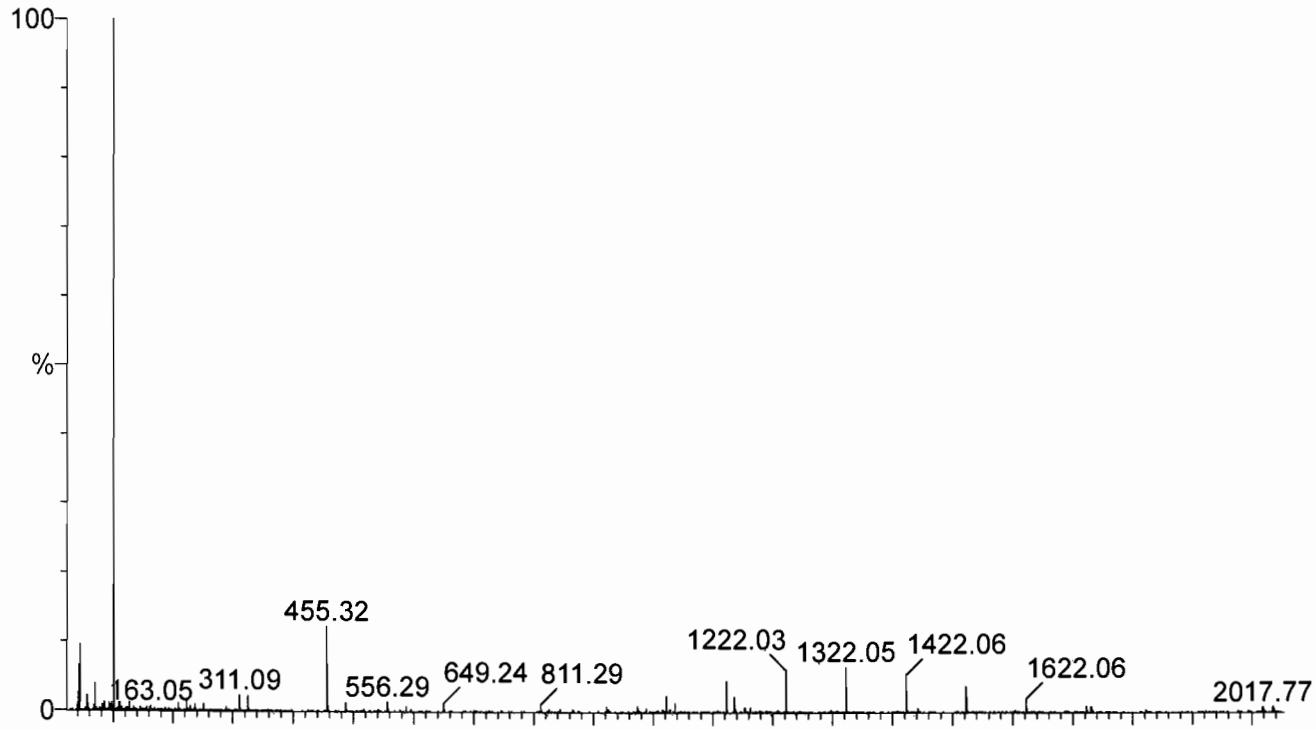
Data file: STATMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.095 amu



Data file: SCNMS2V - Calibrated 23 matches of 23 tested references

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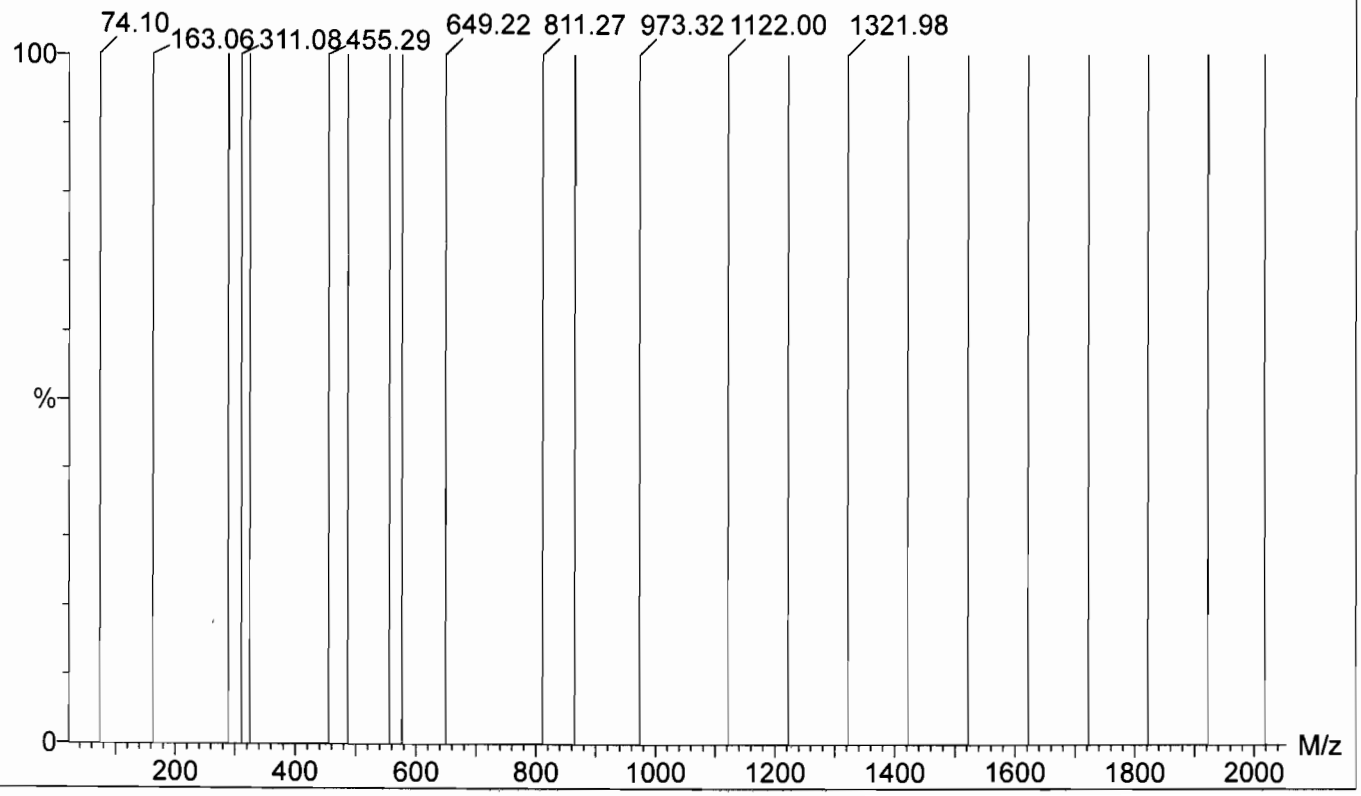
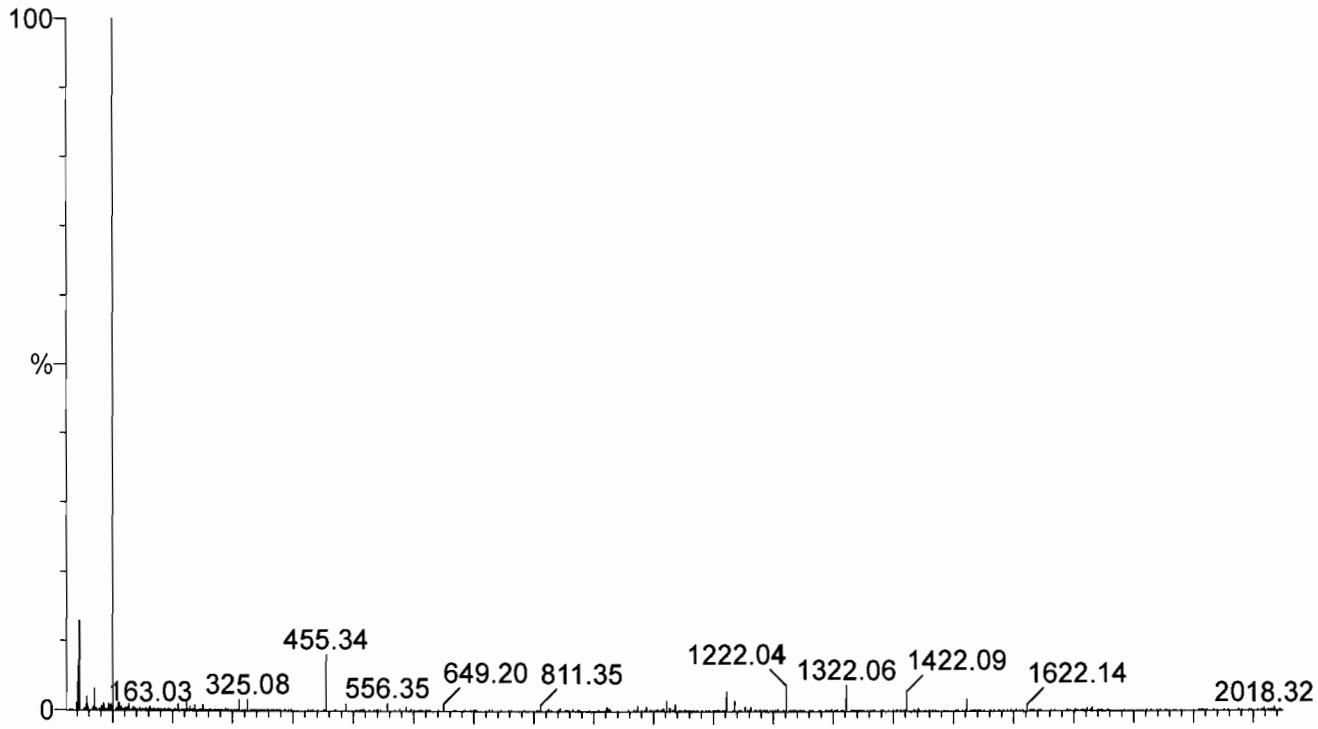
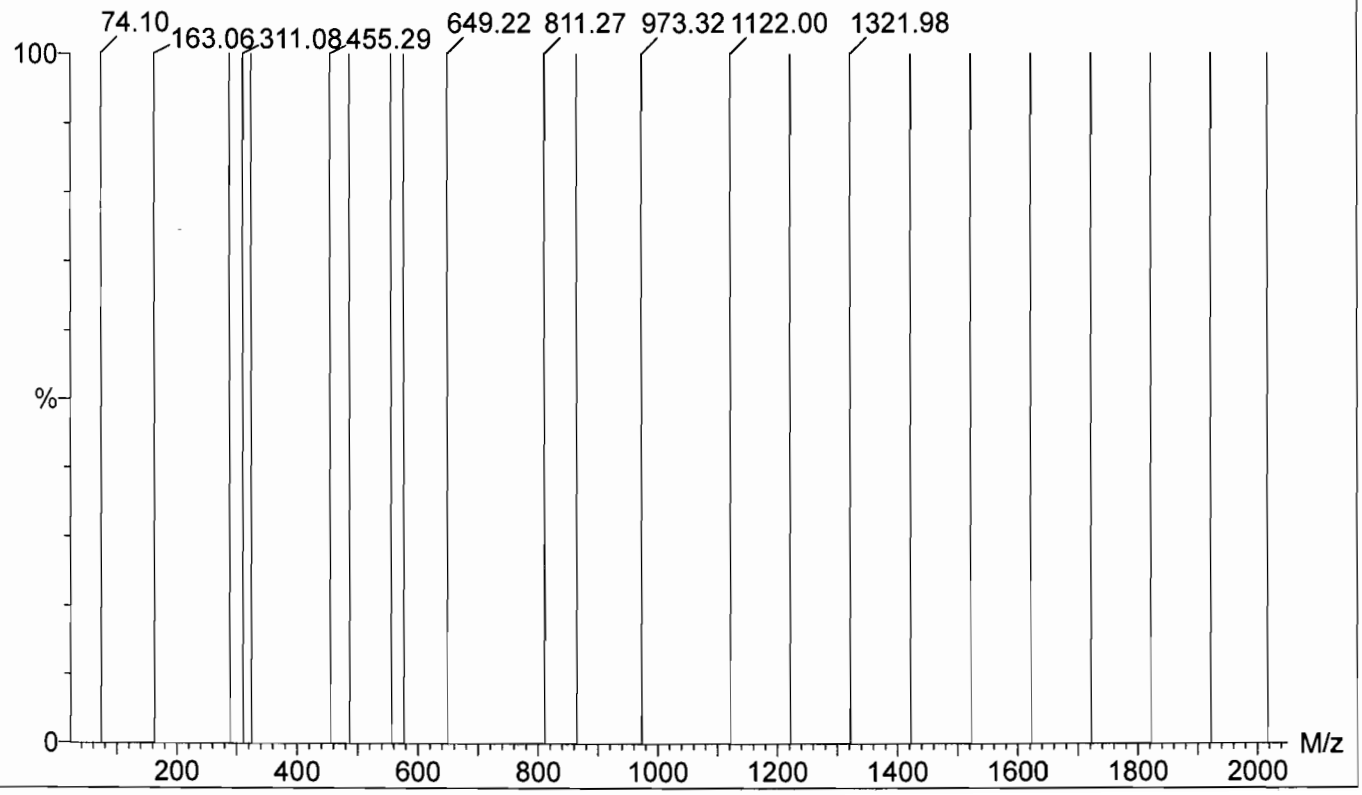


Data file: FASTMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0903 amu

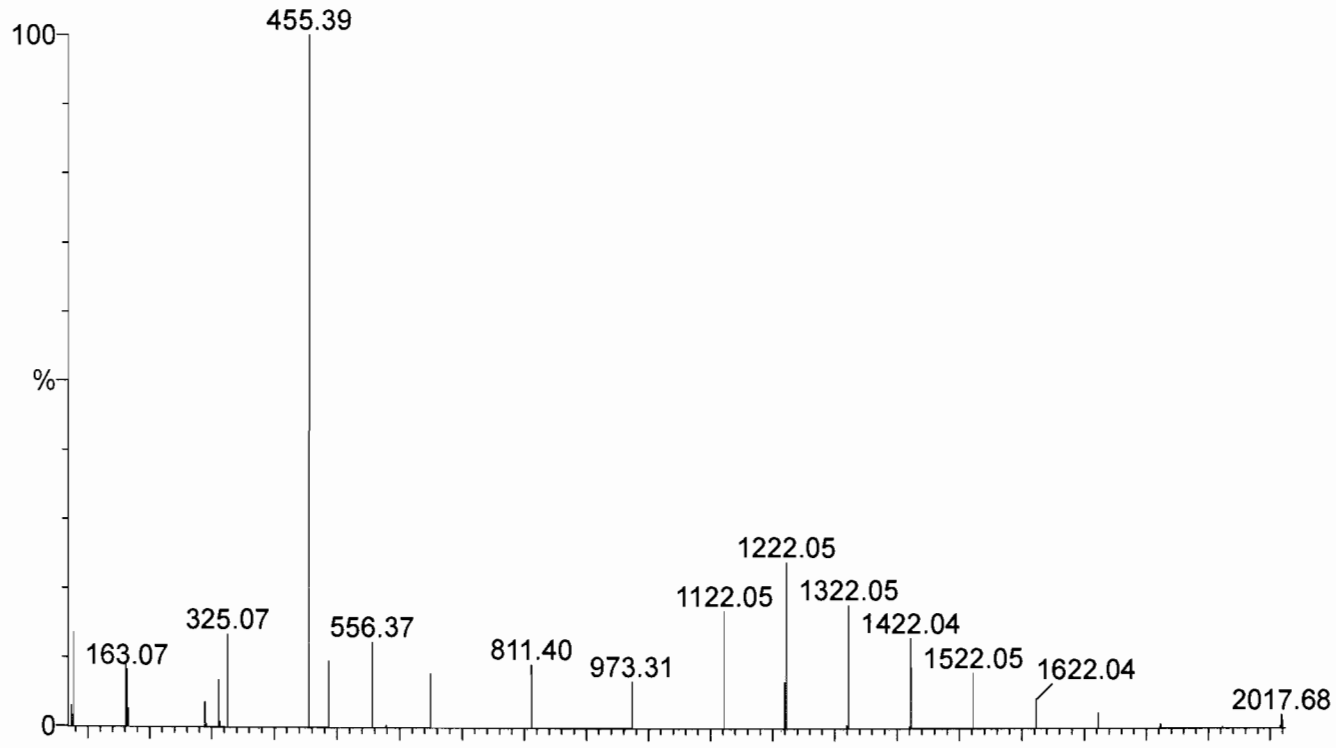


Q4 Tune check 07-28-19

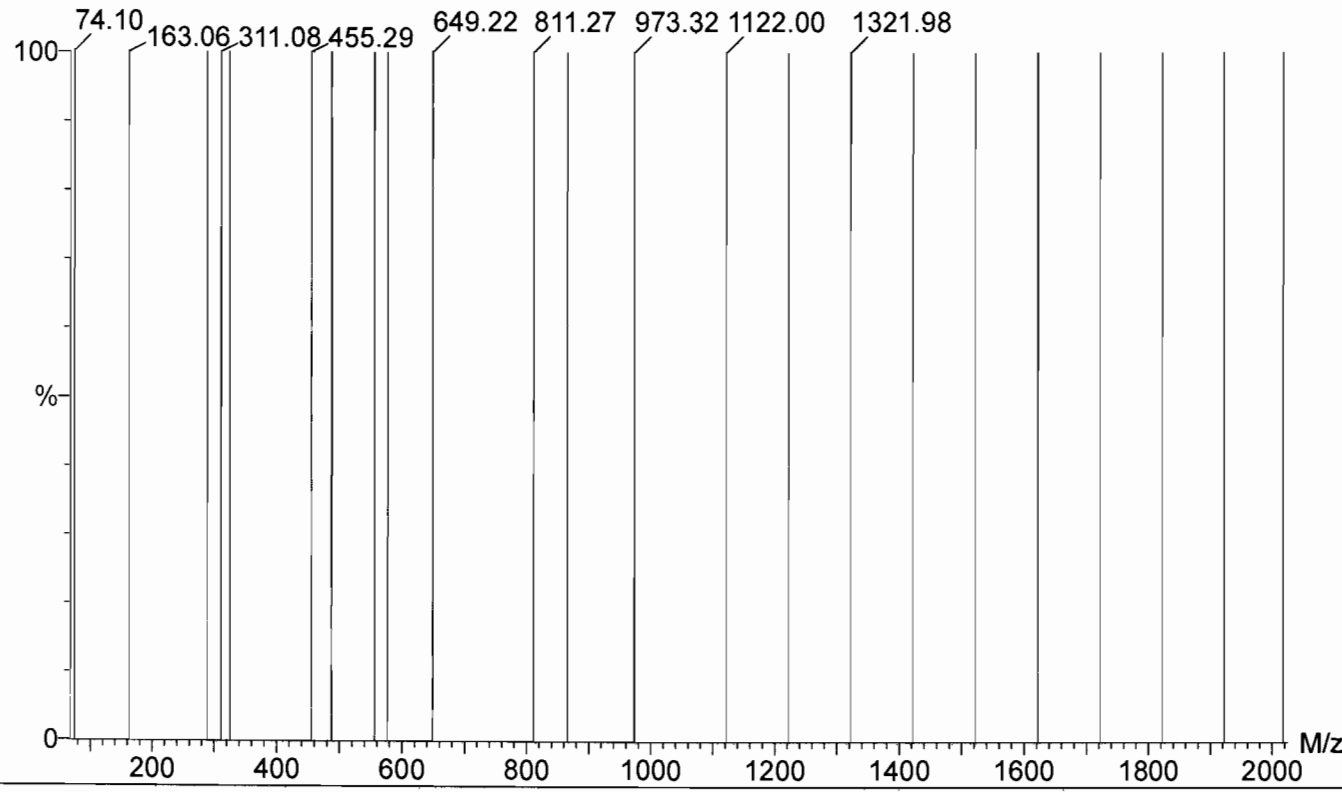
**Calibration Verification Report - MS1 Static** 20190715_4 **Page 1 of 6**

**Printed:** **Sun Jul 28 14:09:14 2019**

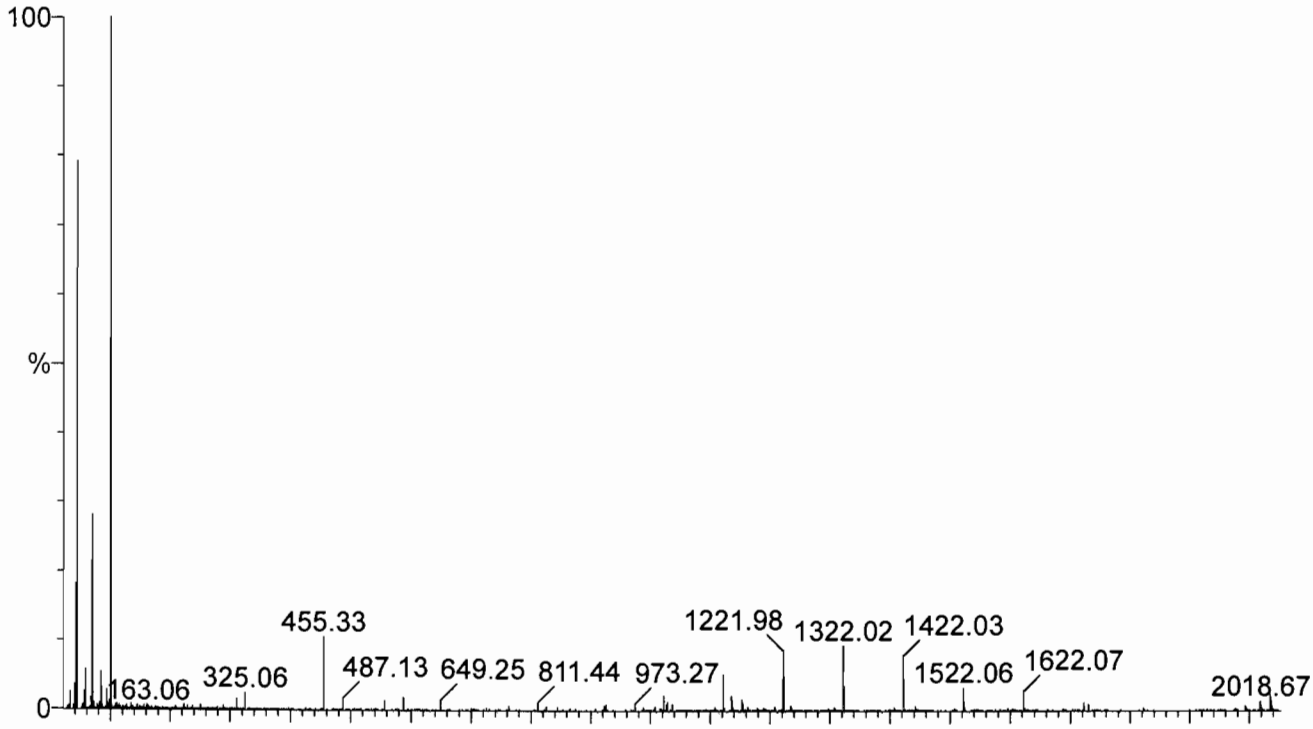
Data file: STATMS1V - Calibrated 21 matches of 23 tested references



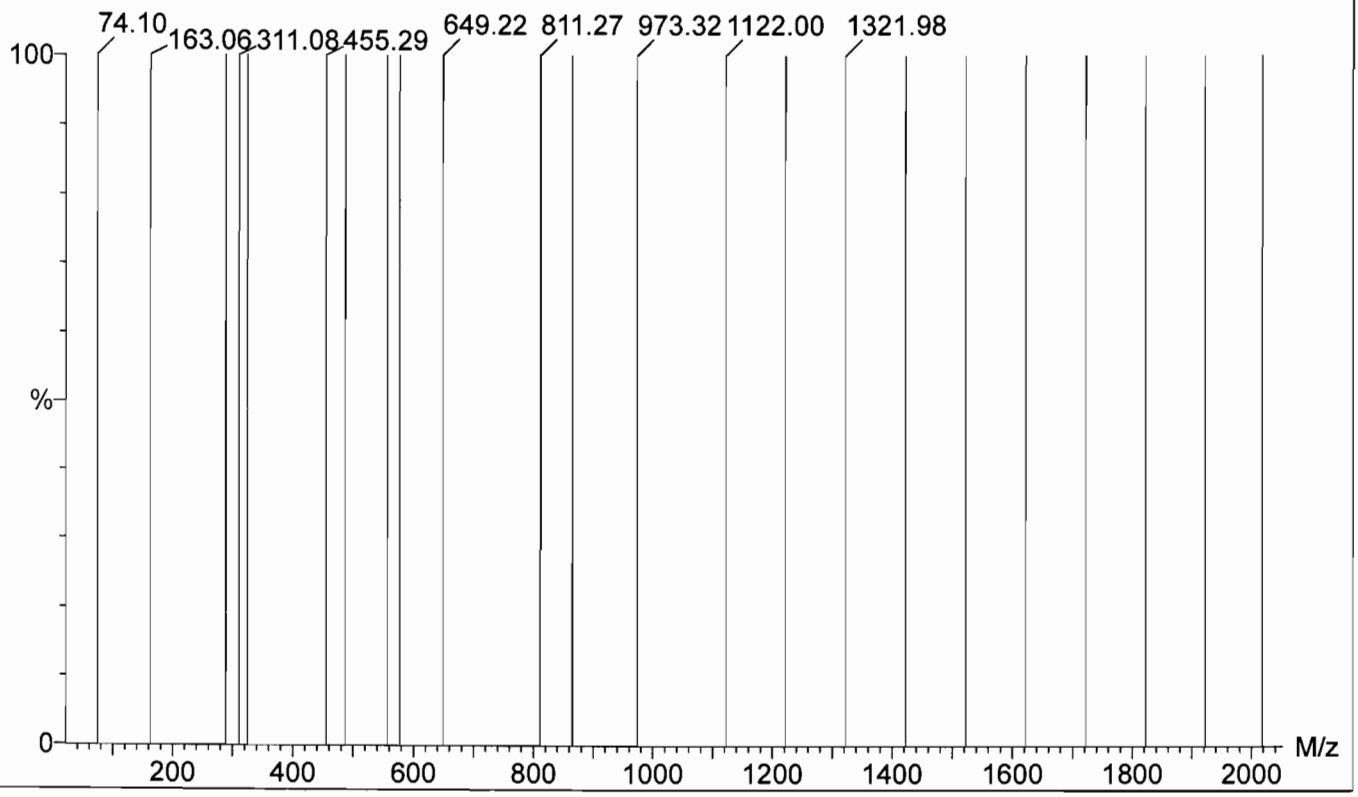

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.115 amu



Data file: SCNMS1V - Calibrated 23 matches of 23 tested references

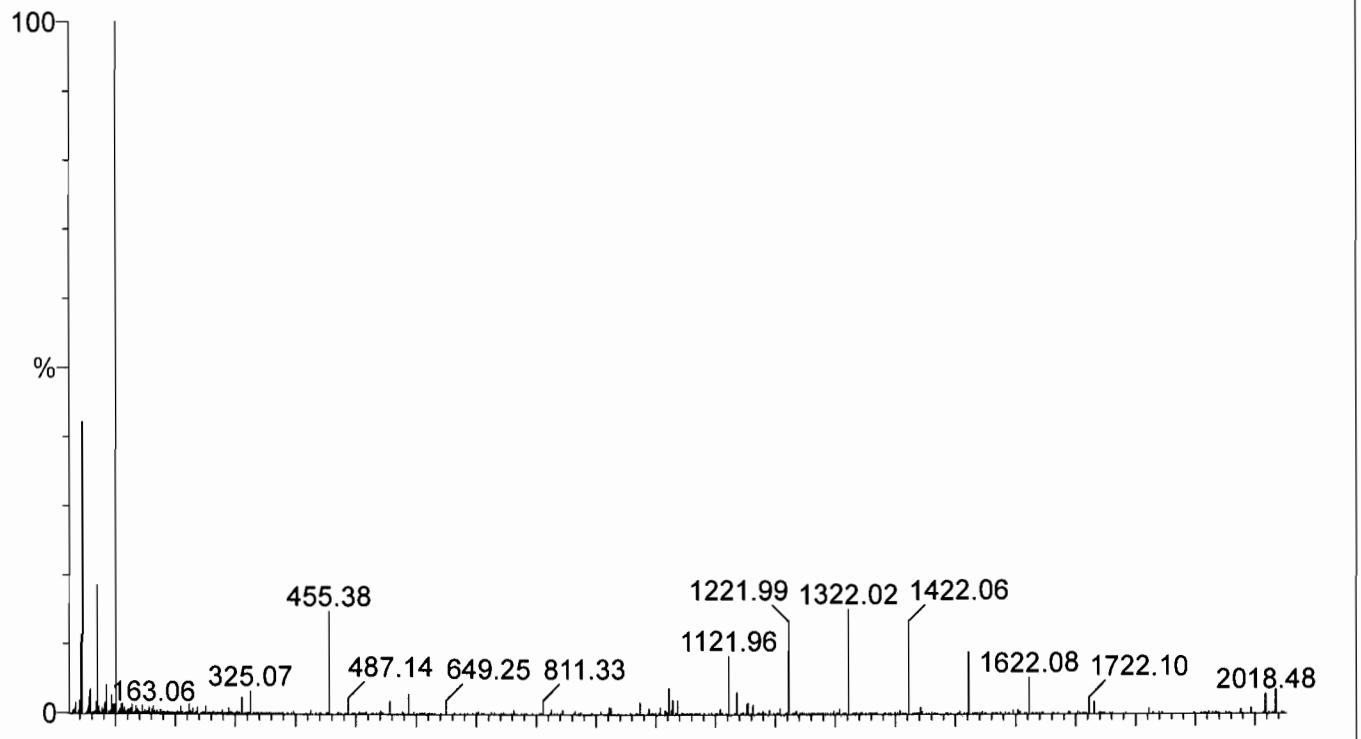



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.105 amu



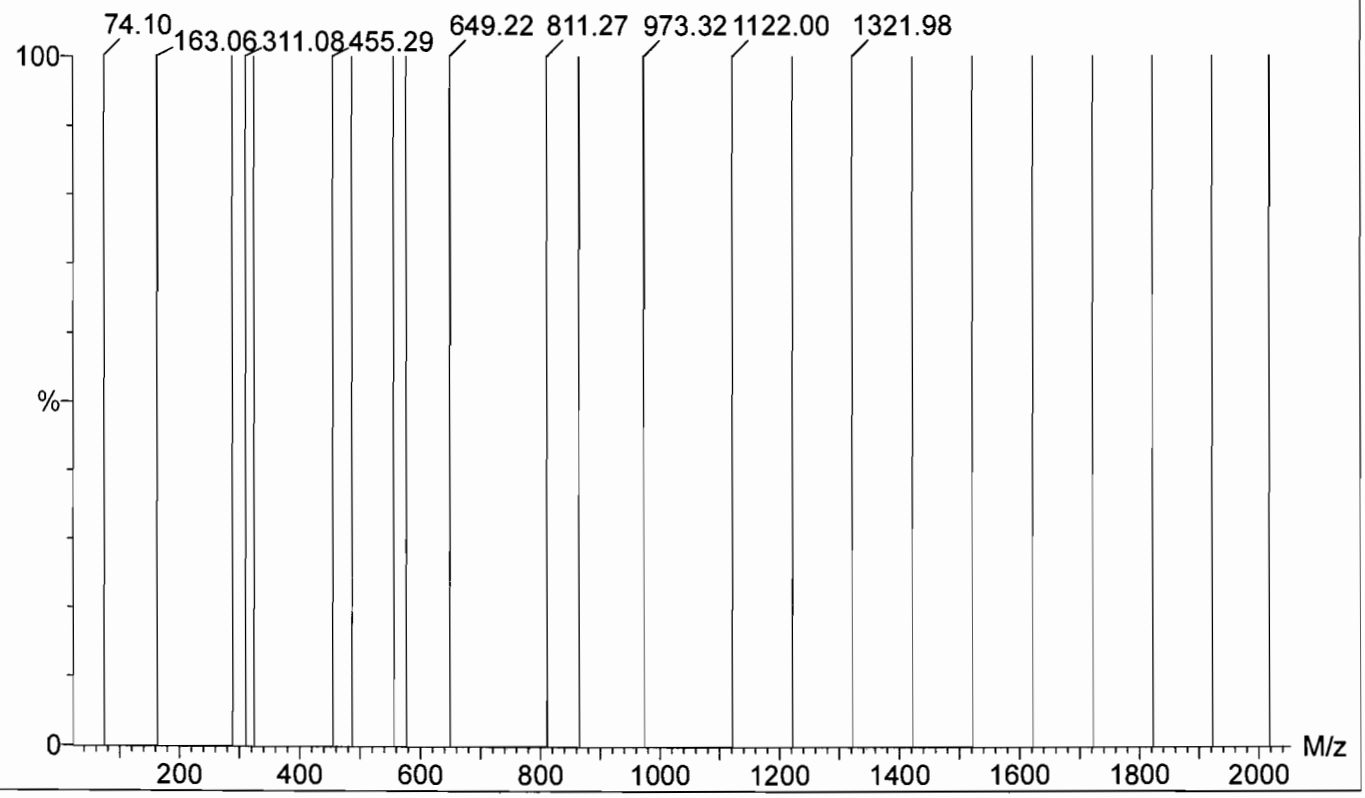
Data file: FASTMS1V - Calibrated

23 matches of 23 tested references

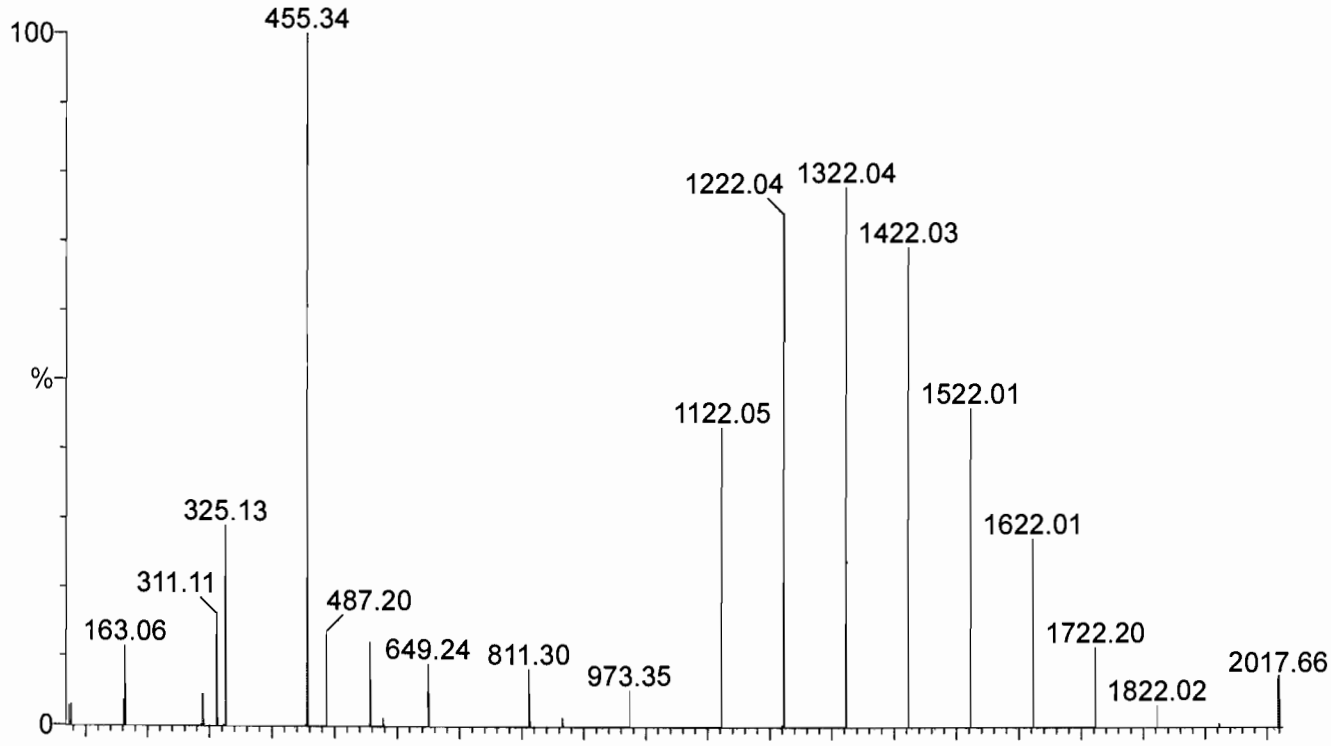



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

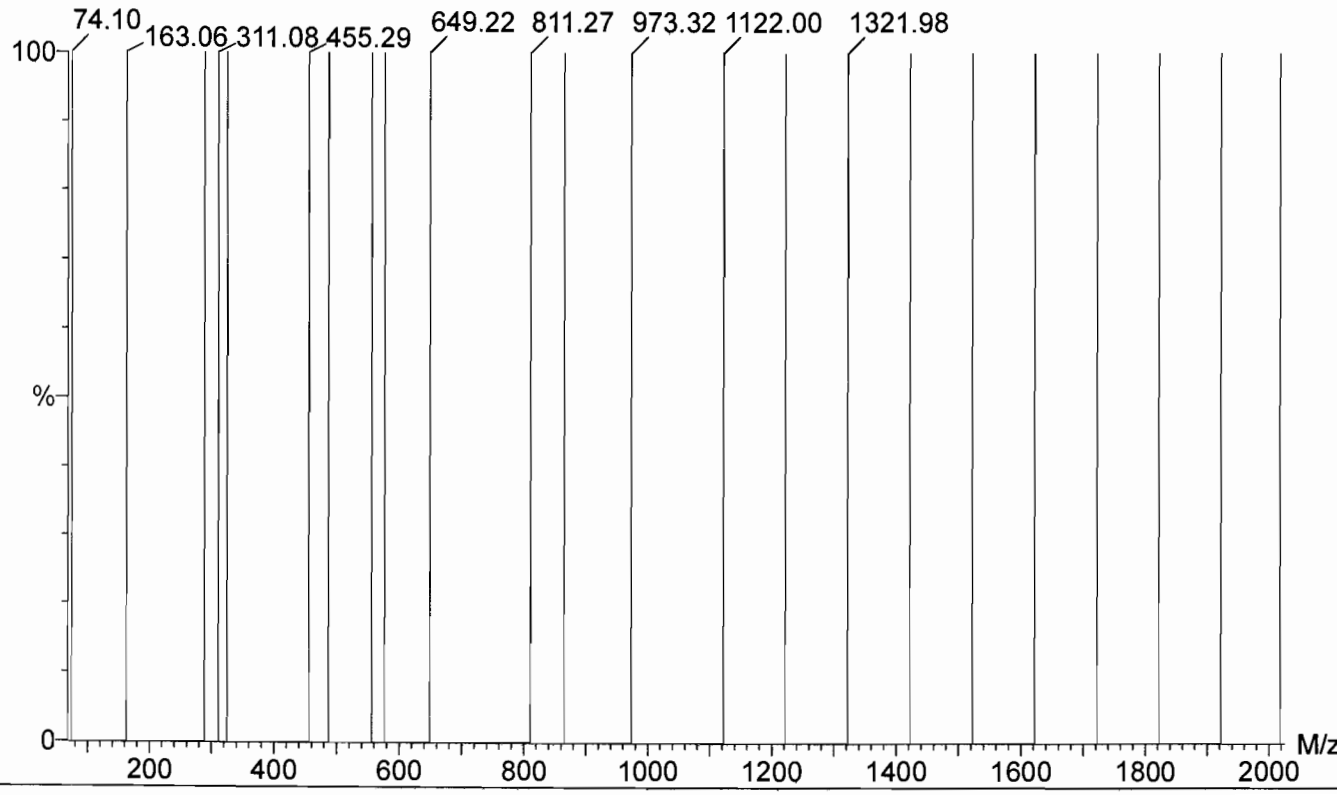
Mean residual = 0.103 amu



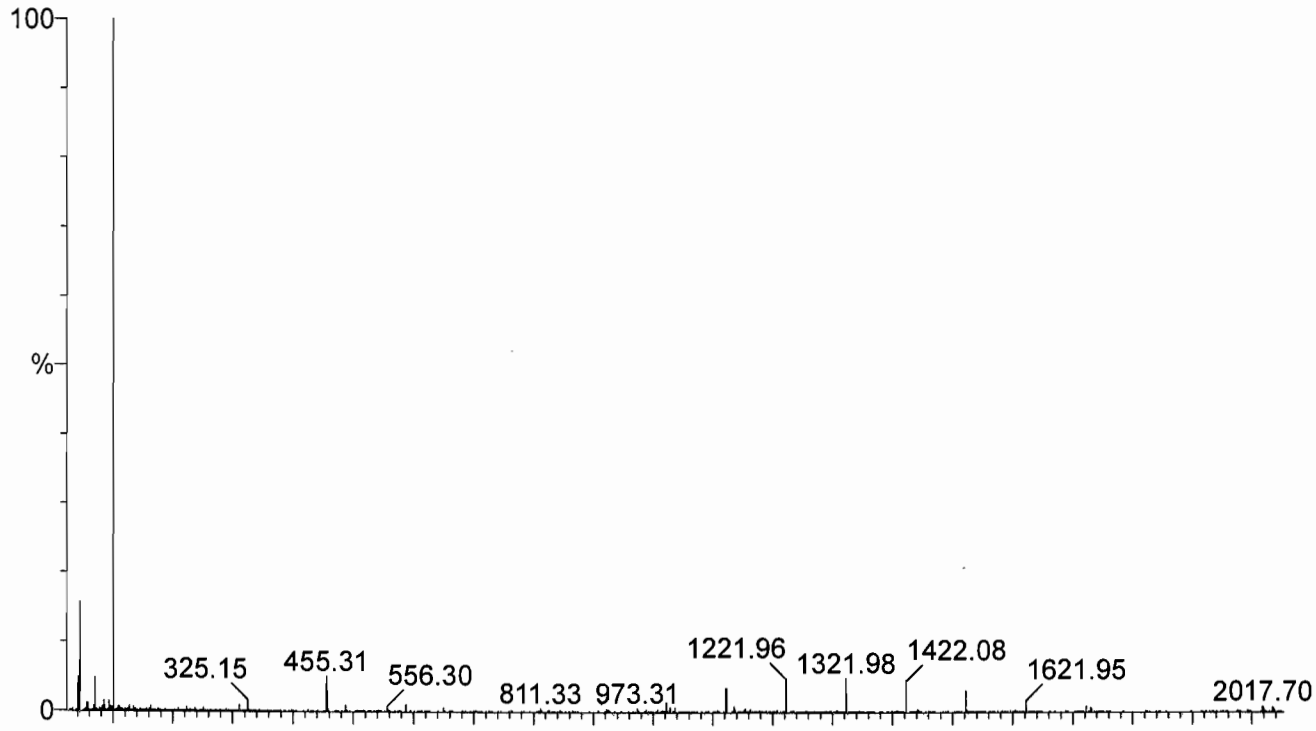
Data file: STATMS2V - Calibrated 23 matches of 23 tested references



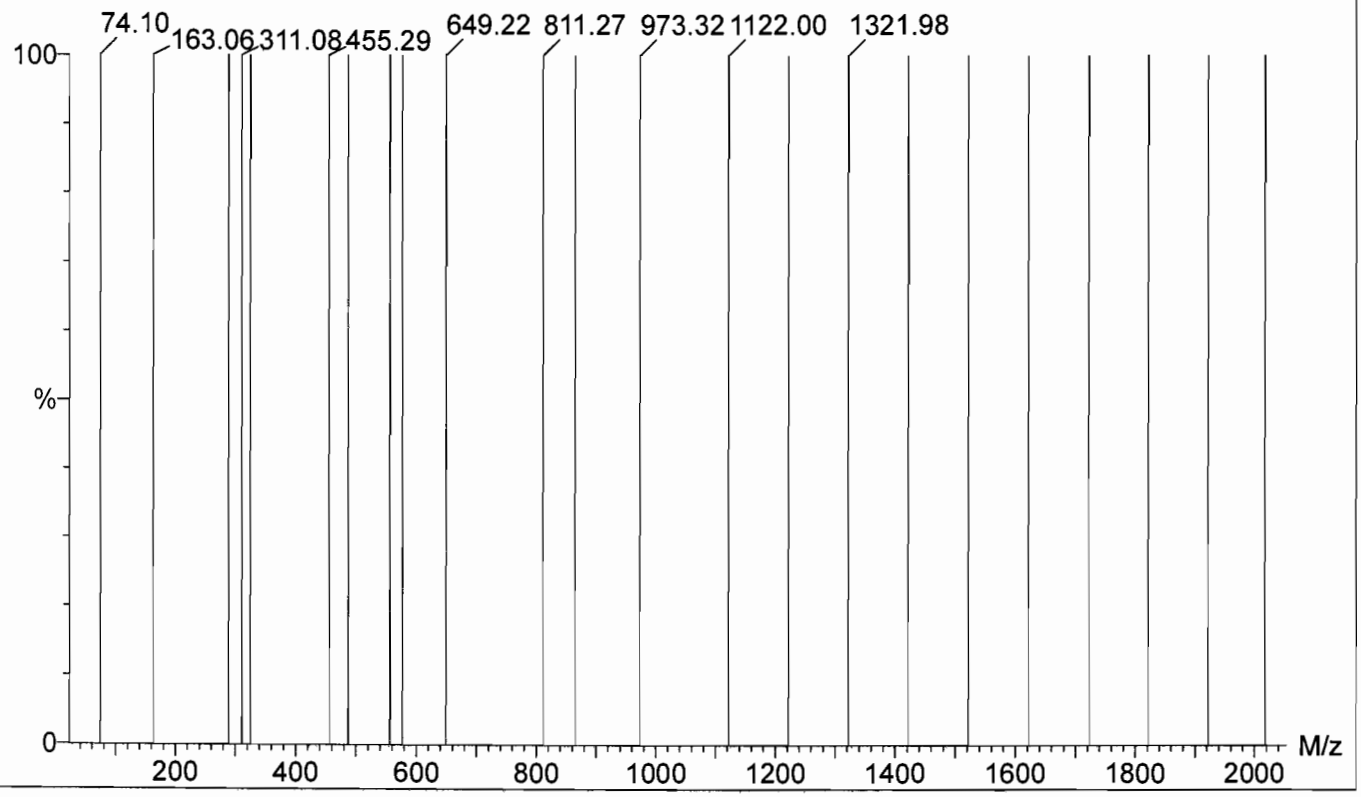

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0492 amu



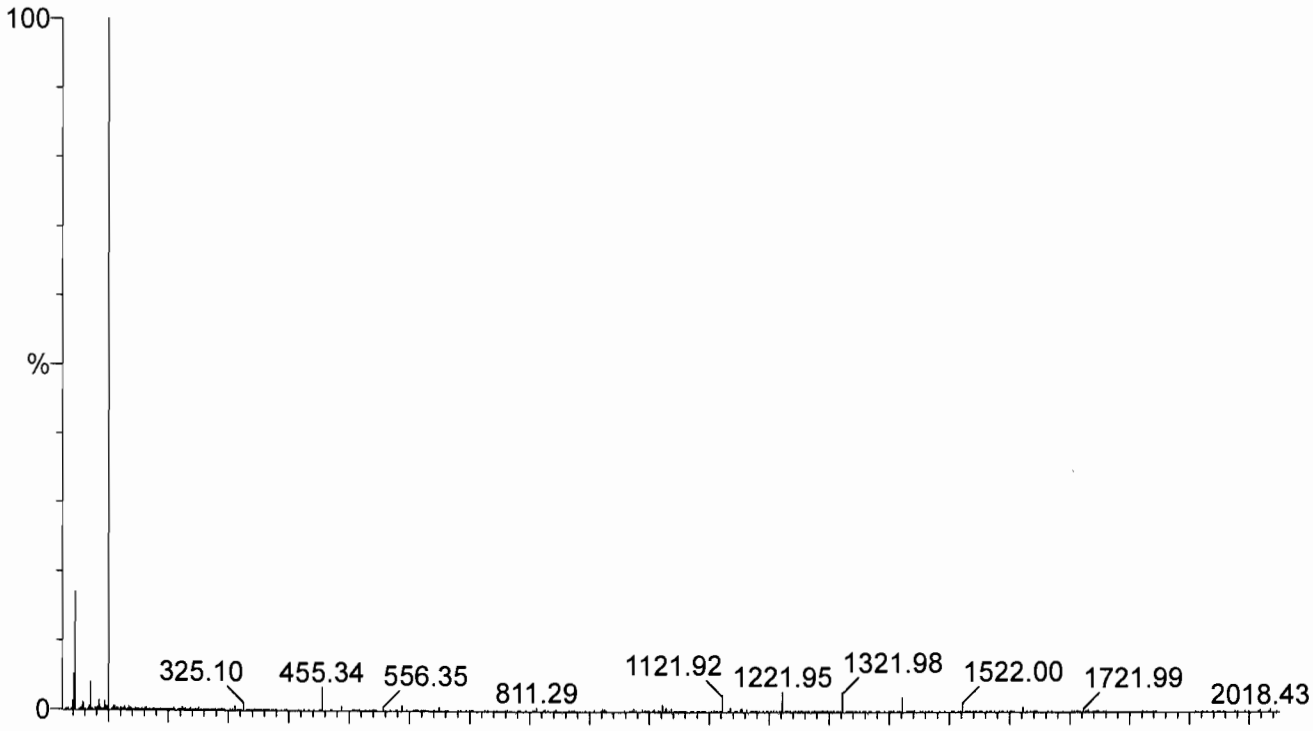
Data file: SCNMS2V - Calibrated 23 matches of 23 tested references



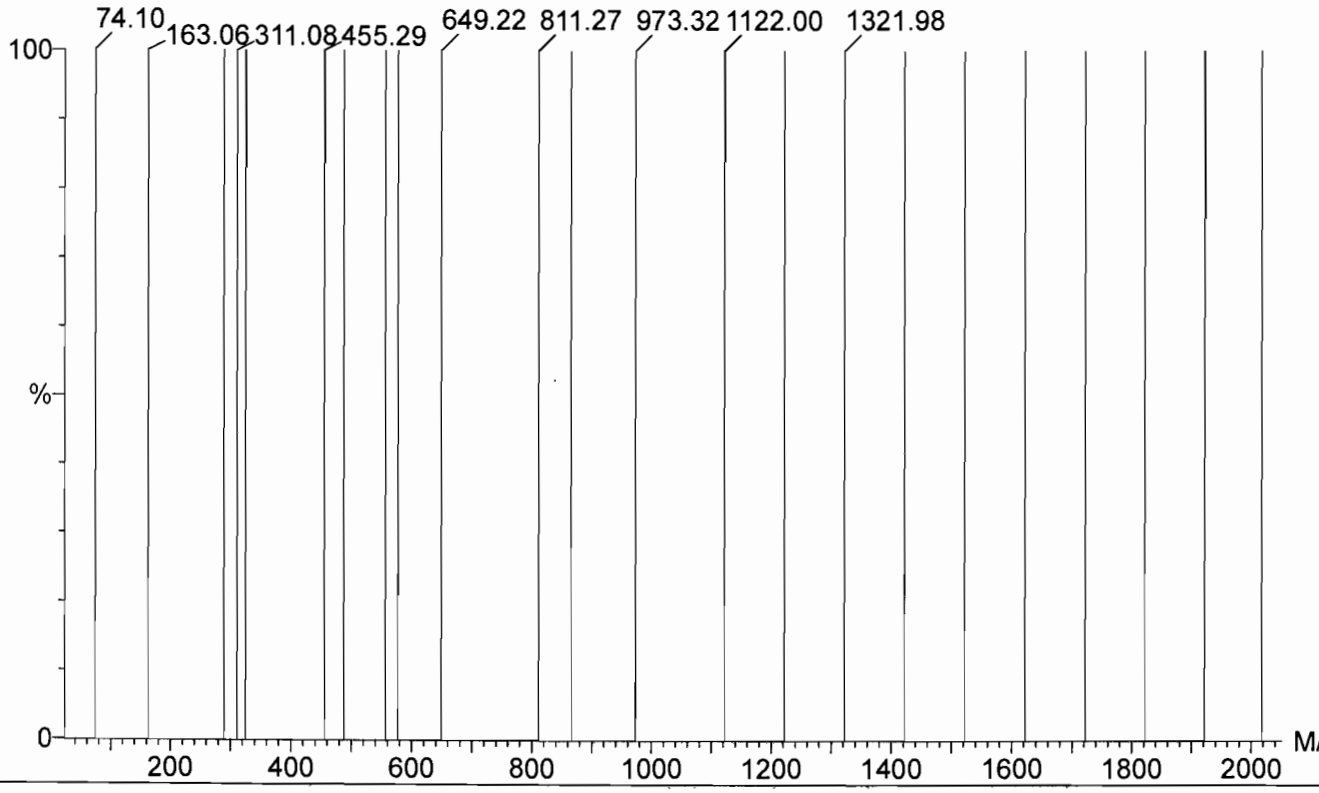

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0424 amu



Data file: FASTMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0807 amu



Q4(M) 07-29-19

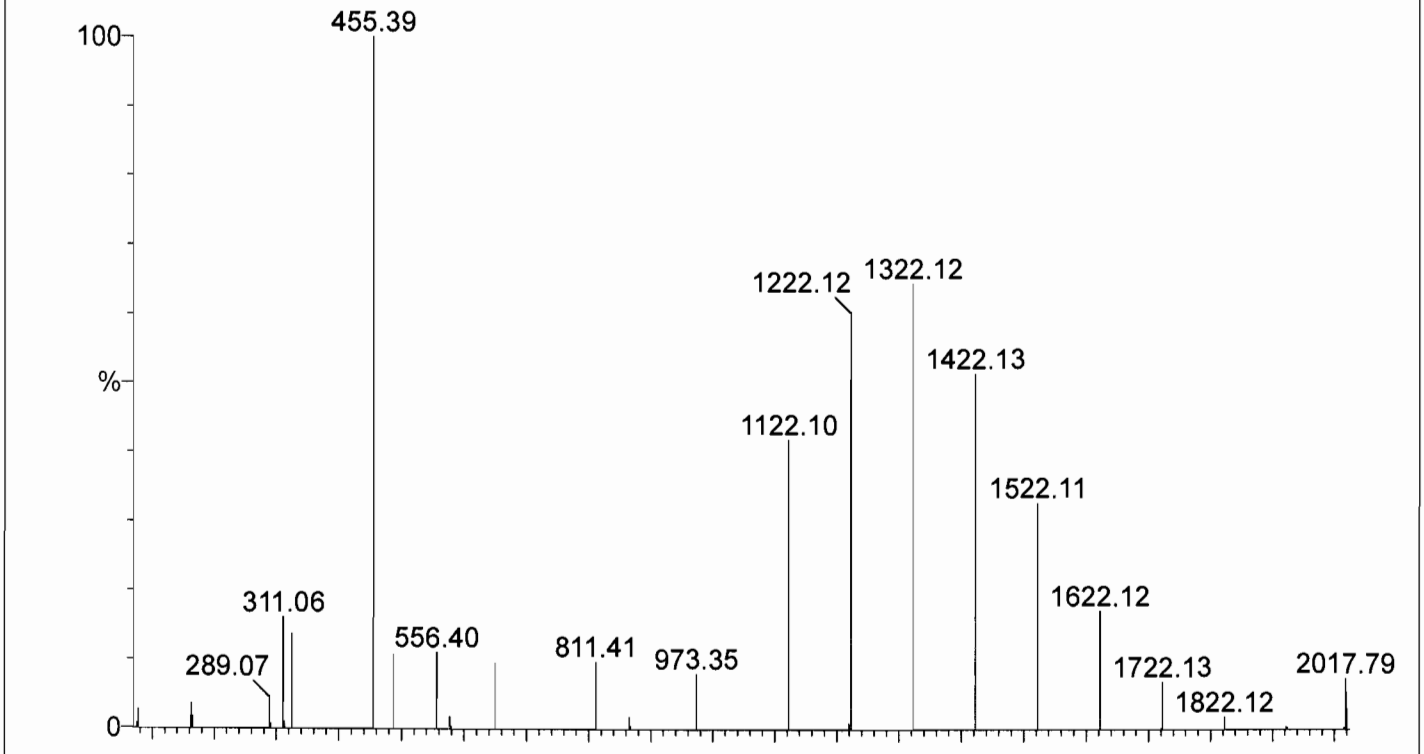
07/15/19 CGH 7/29/19

**Calibration Verification Report - MS1 Static** 

**Printed:** **Mon Jul 29 08:27:35 2019**

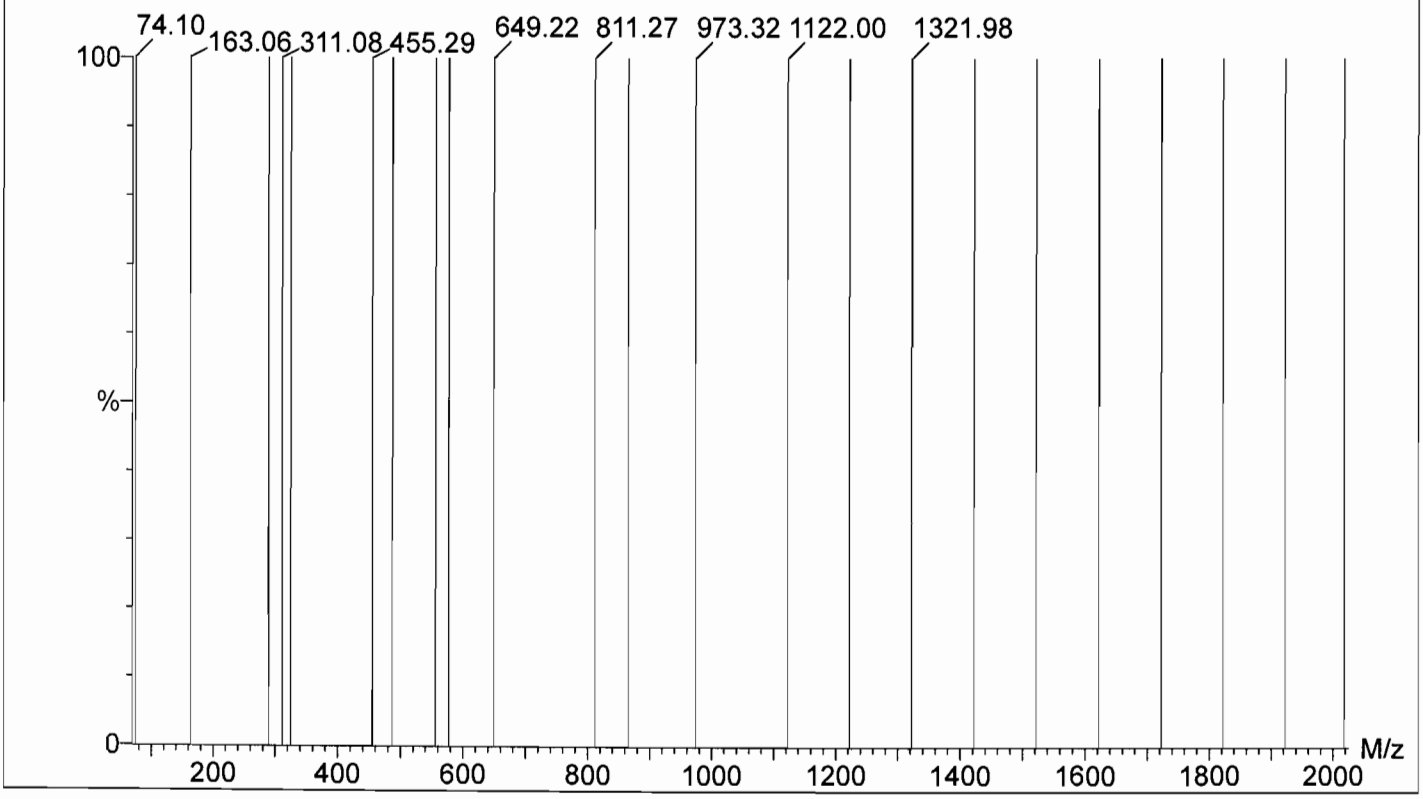
Data file: STATMS1V - Calibrated

23 matches of 23 tested references

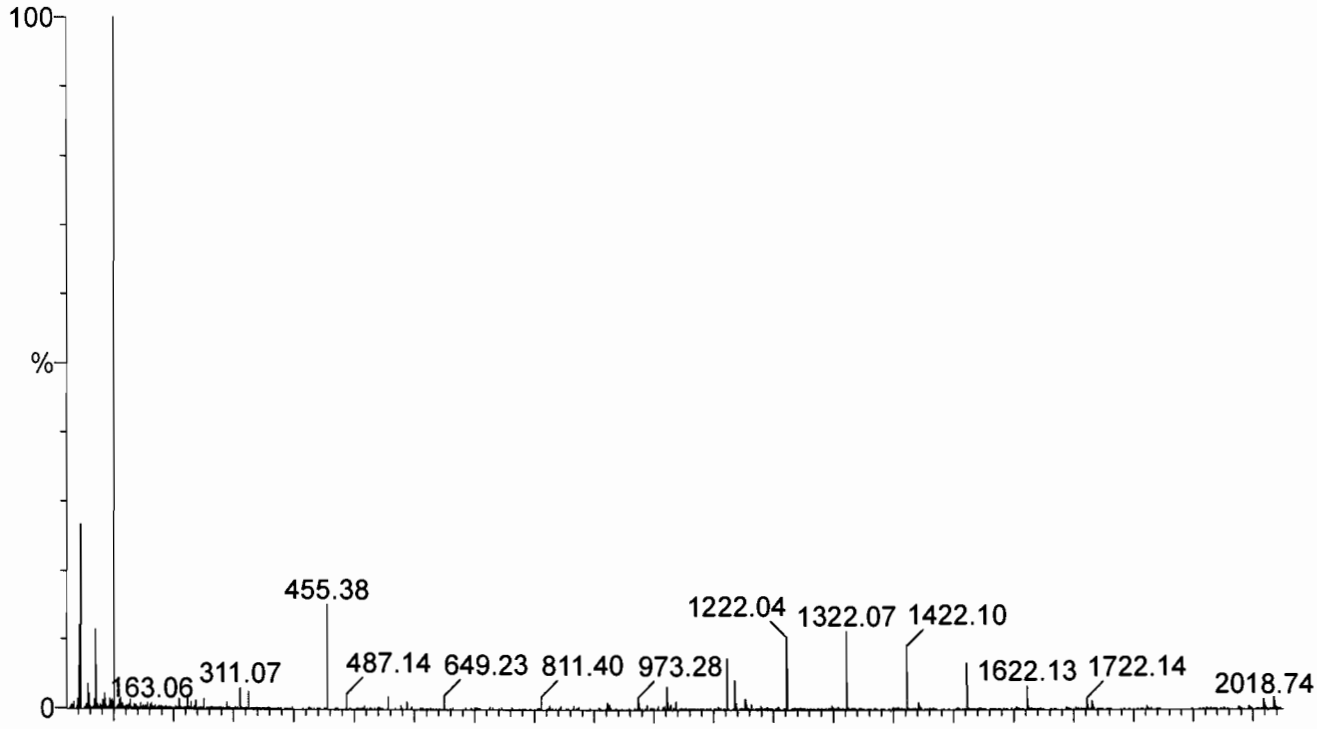



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

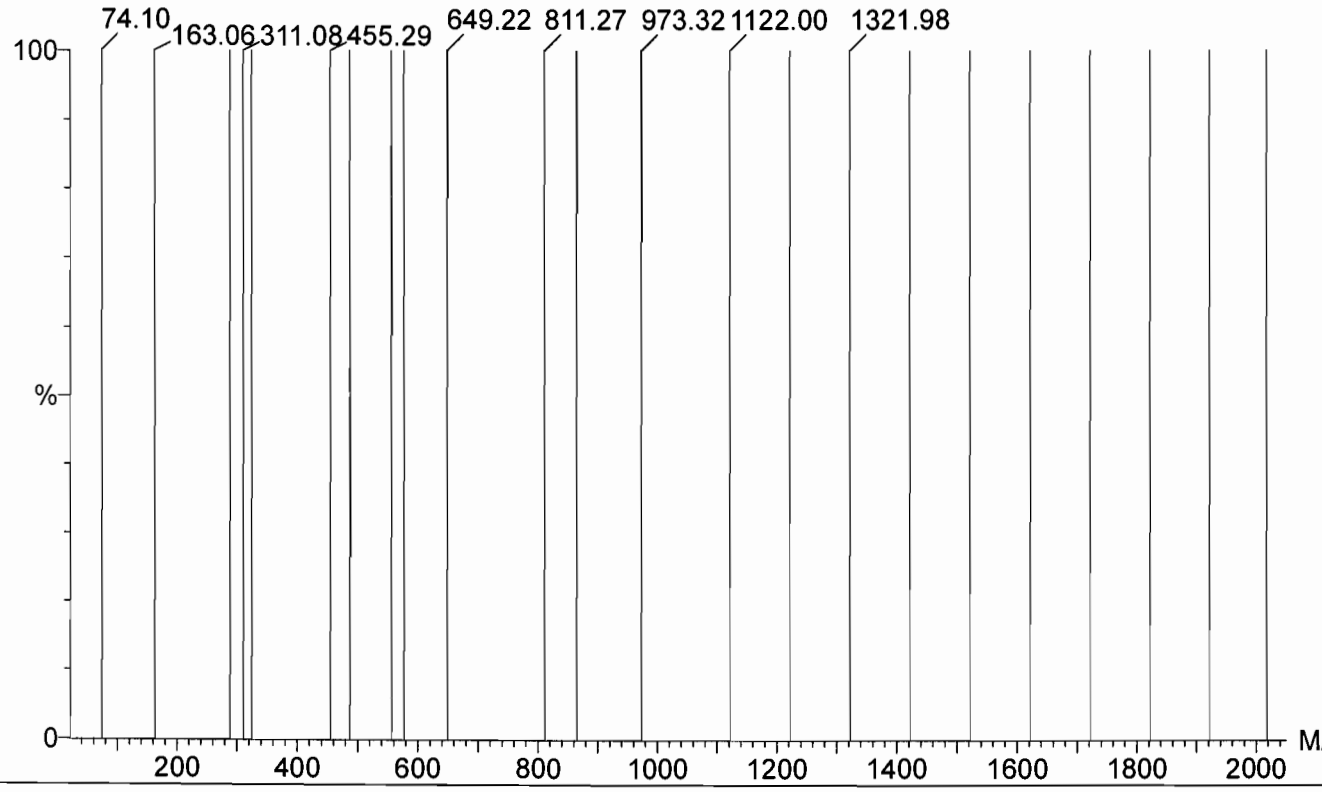
Mean residual = 0.0975 amu



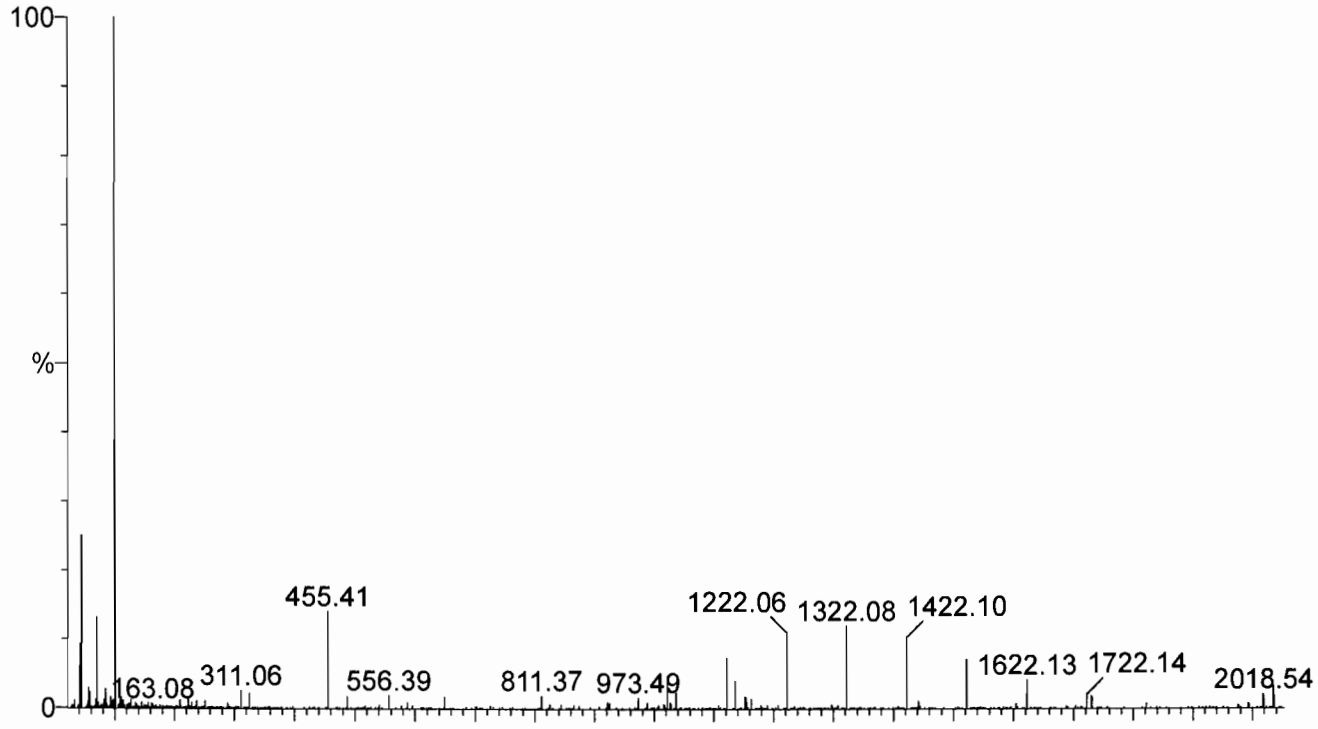
Data file: SCNMS1V - Calibrated 23 matches of 23 tested references



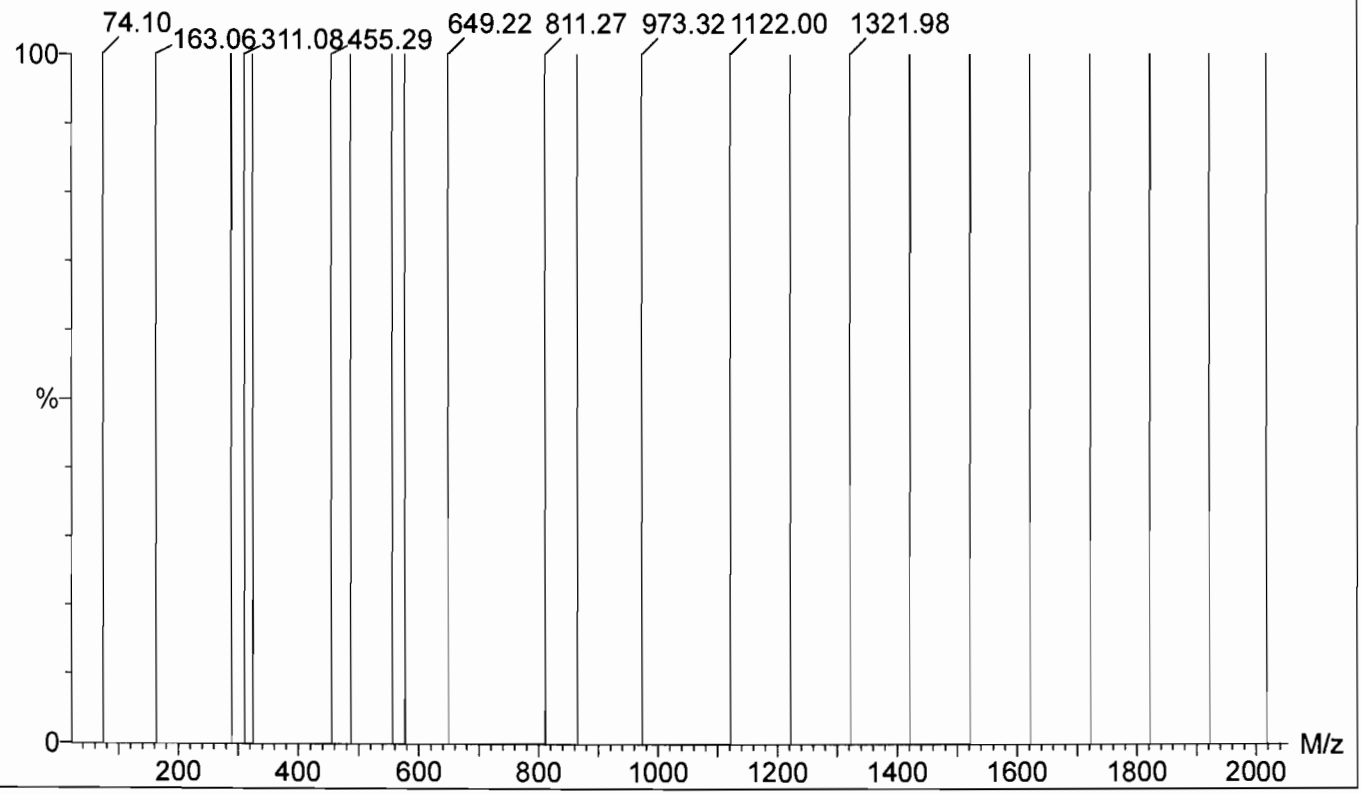

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.126 amu



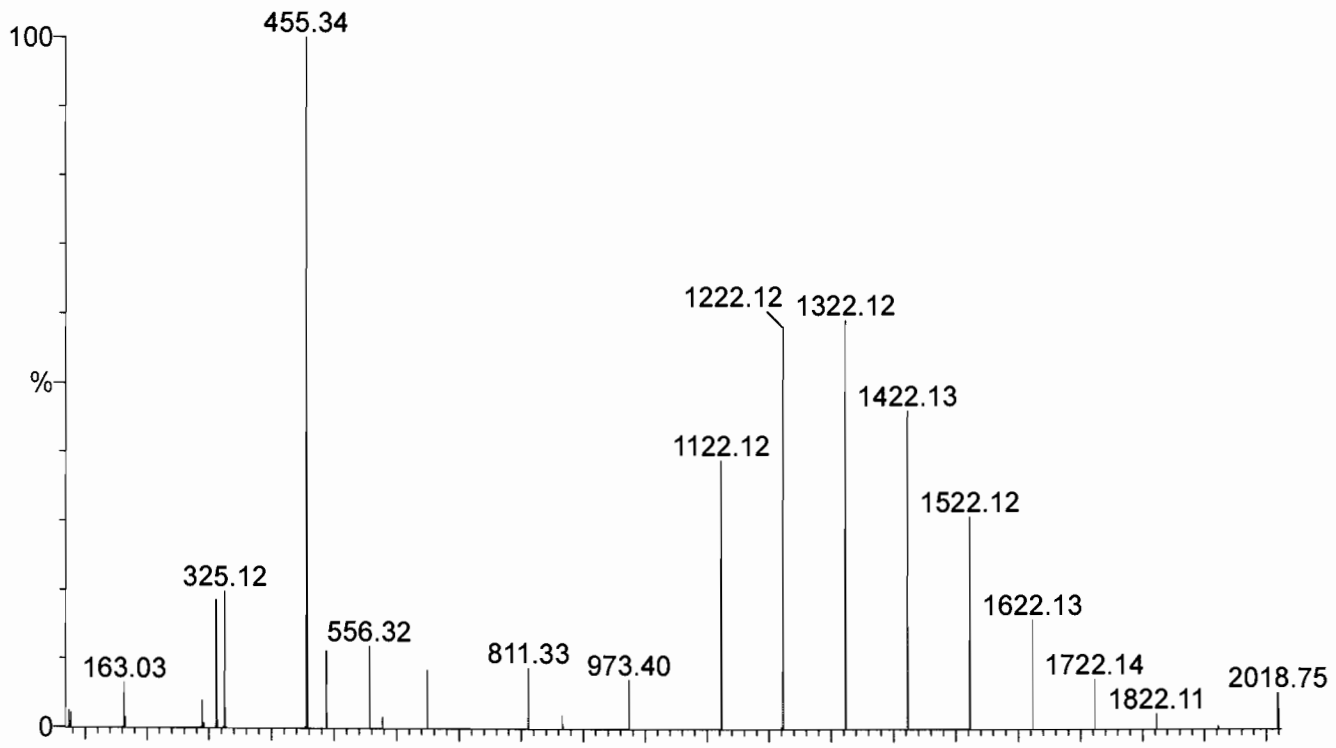
Data file: FASTMS1V - Calibrated 23 matches of 23 tested references



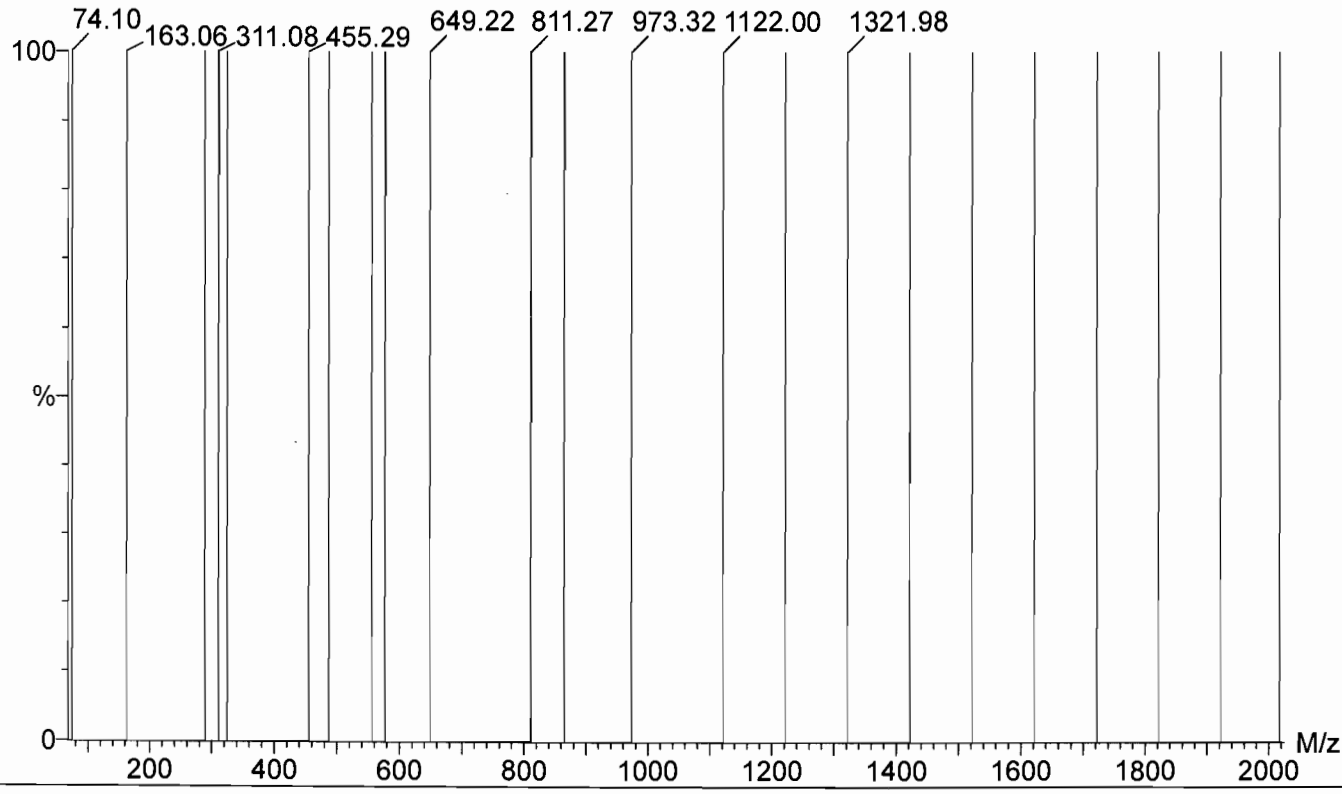

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.125 amu



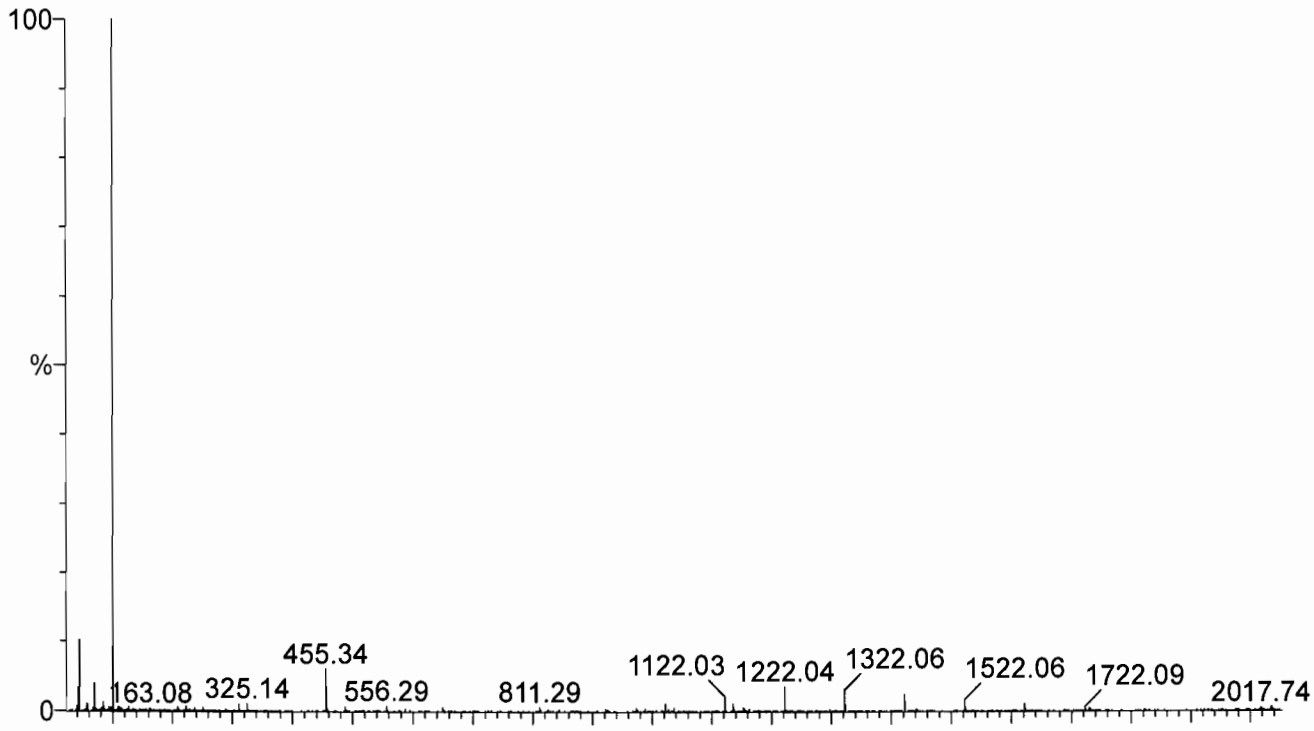
Data file: STATMS2V - Calibrated 23 matches of 23 tested references



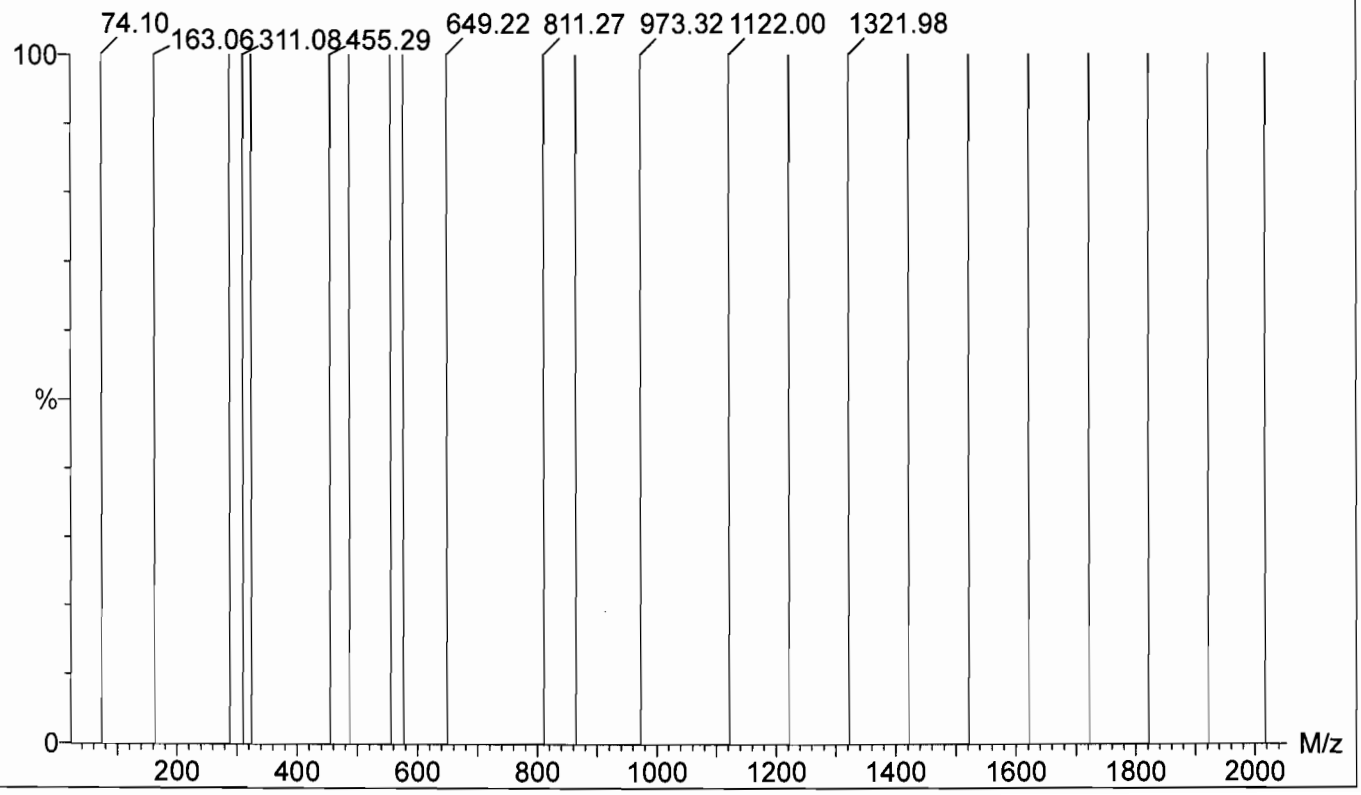

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.135 amu



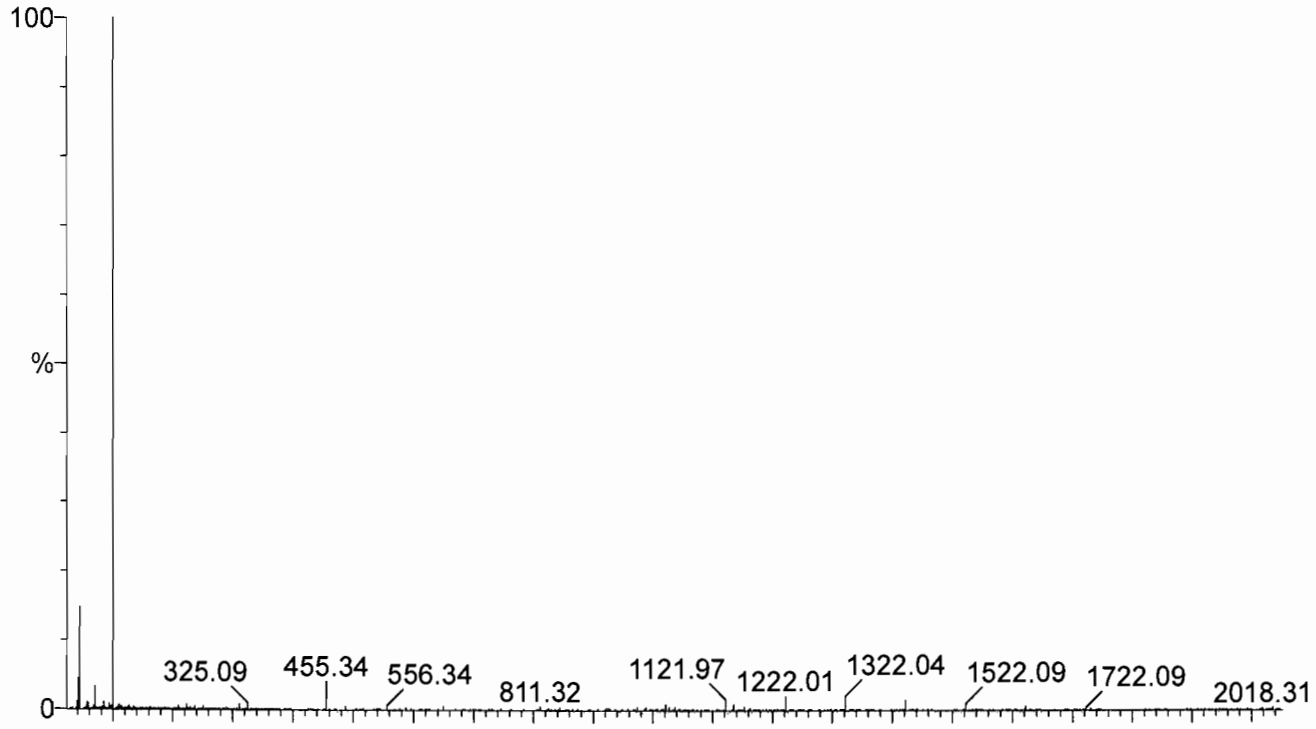
Data file: SCNMS2V - Calibrated 23 matches of 23 tested references



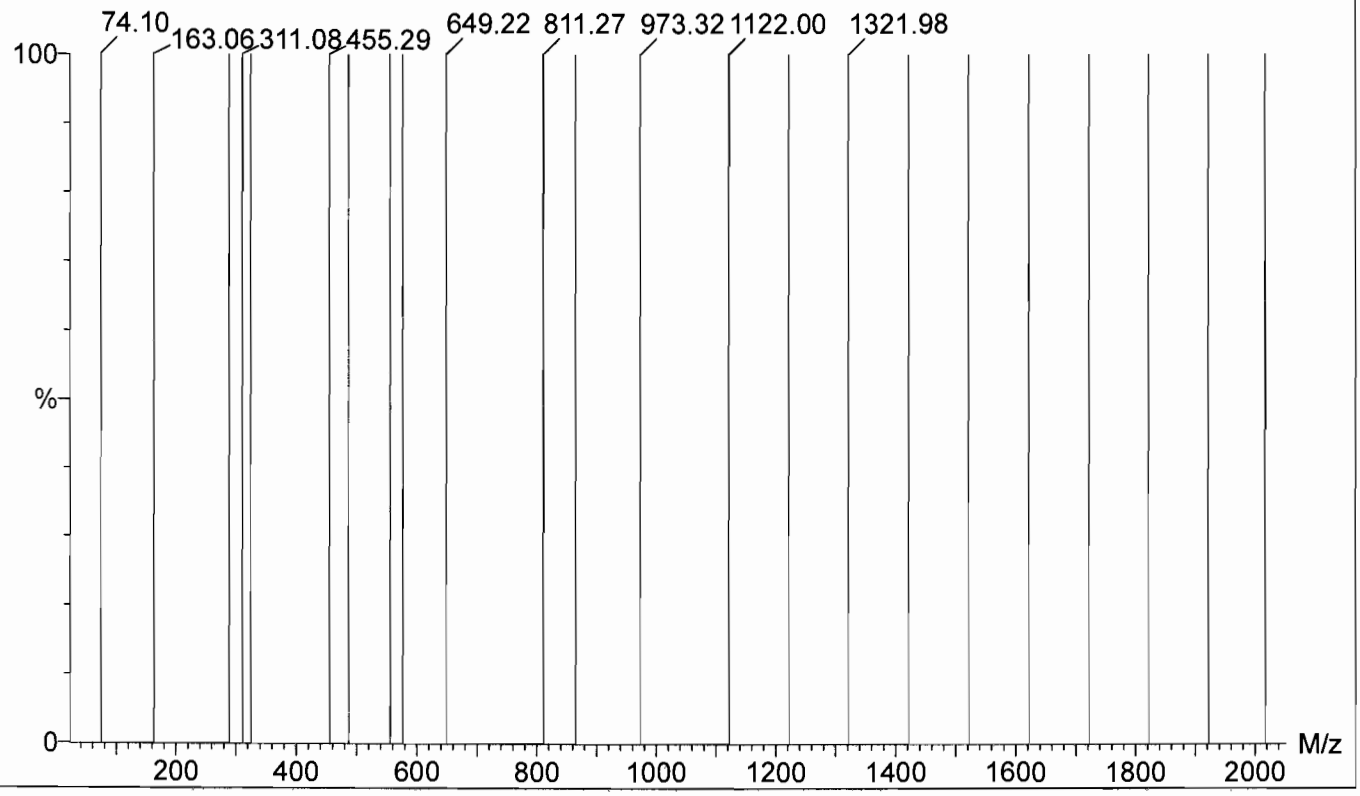

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0553 amu



Data file: FASTMS2V - Calibrated 22 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0795 amu

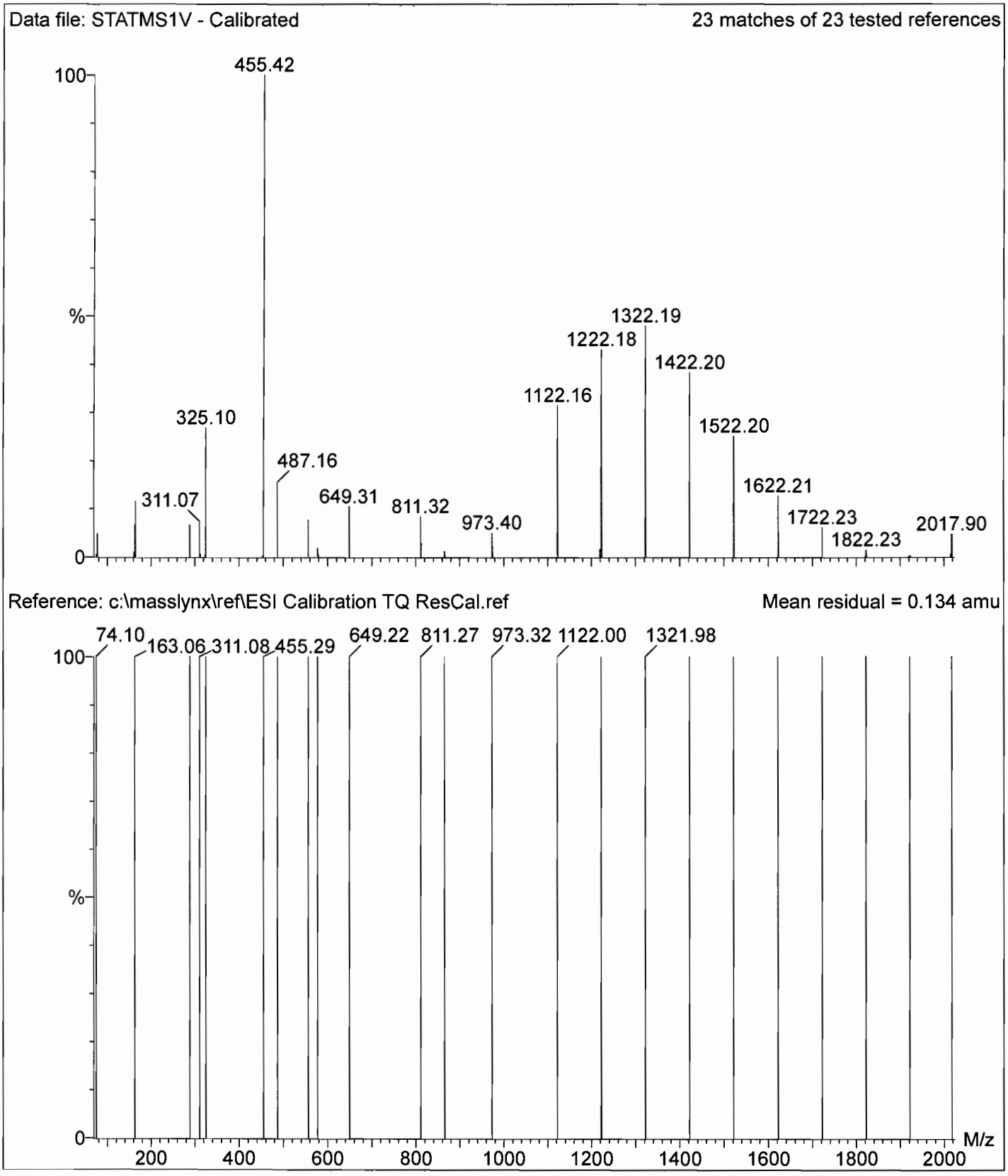


Q4(M) 08-02-19

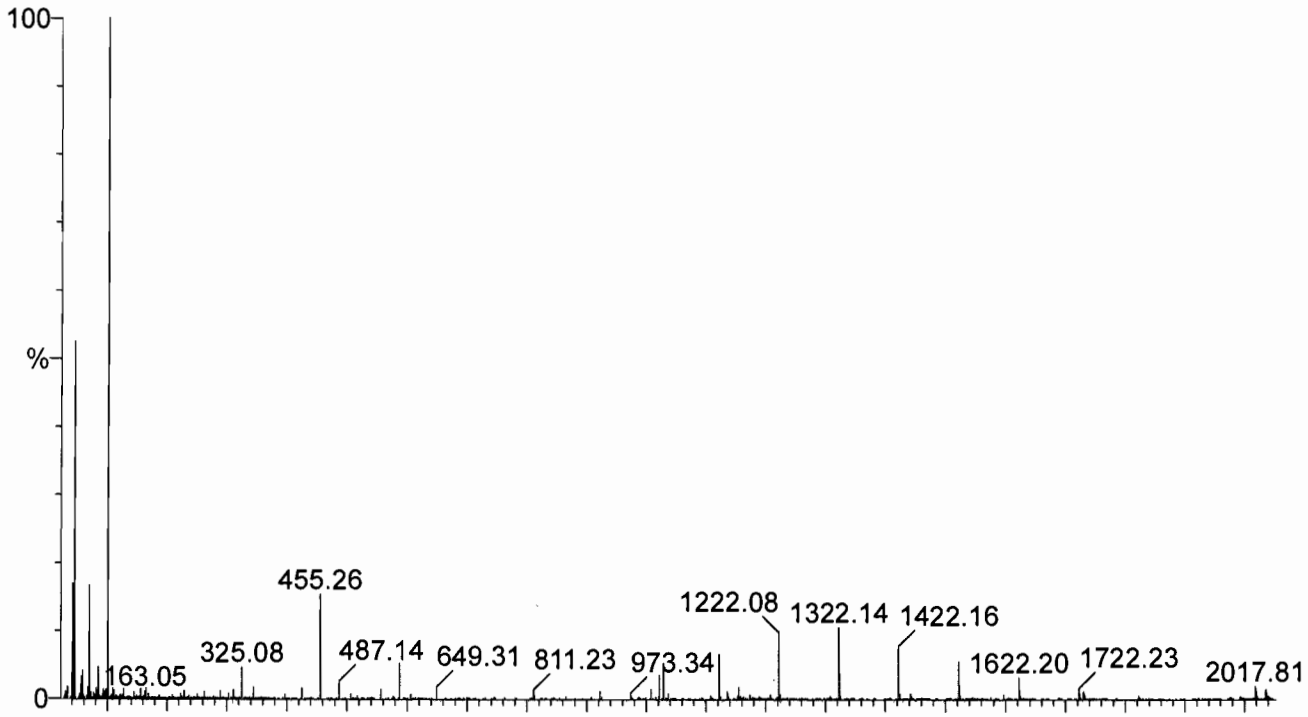
7/15/19 Cleb 8/02/19

**Calibration Verification Report - MS1 Static** 

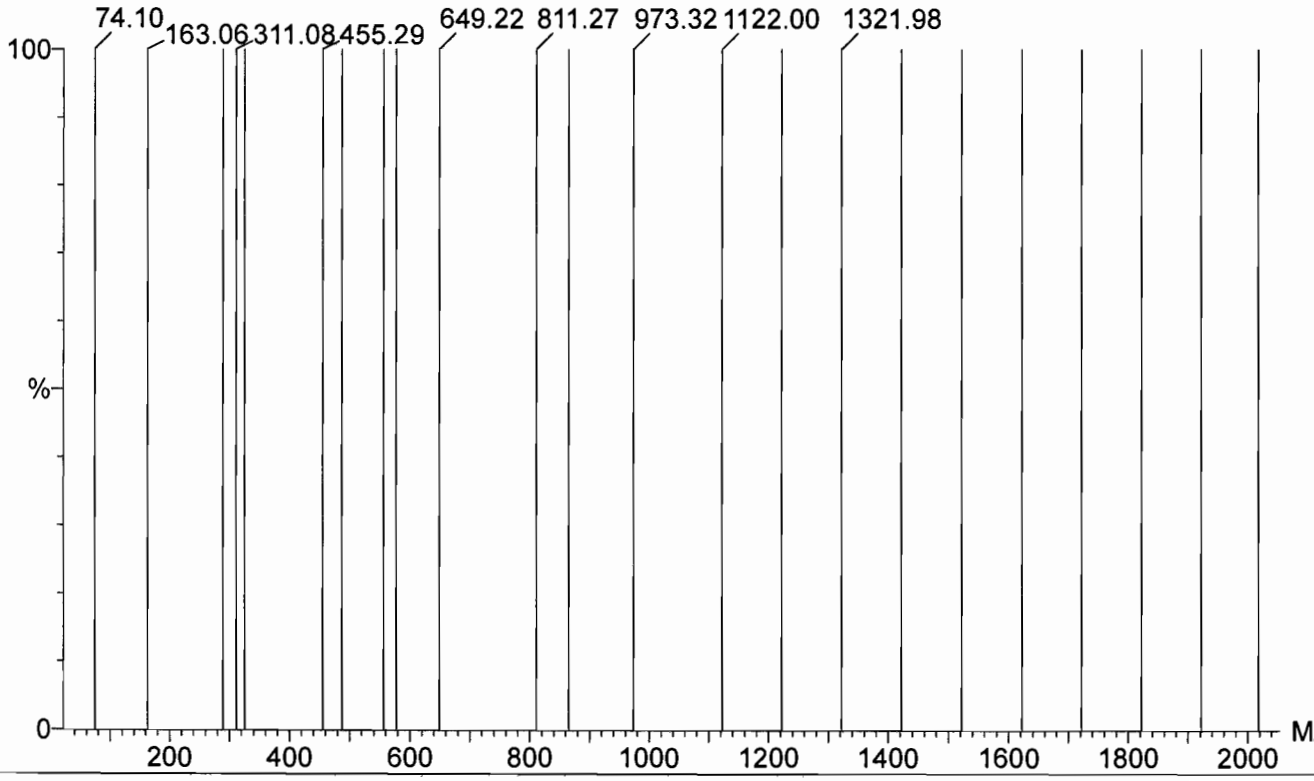
**Printed:** **Fri Aug 02 08:24:16 2019**



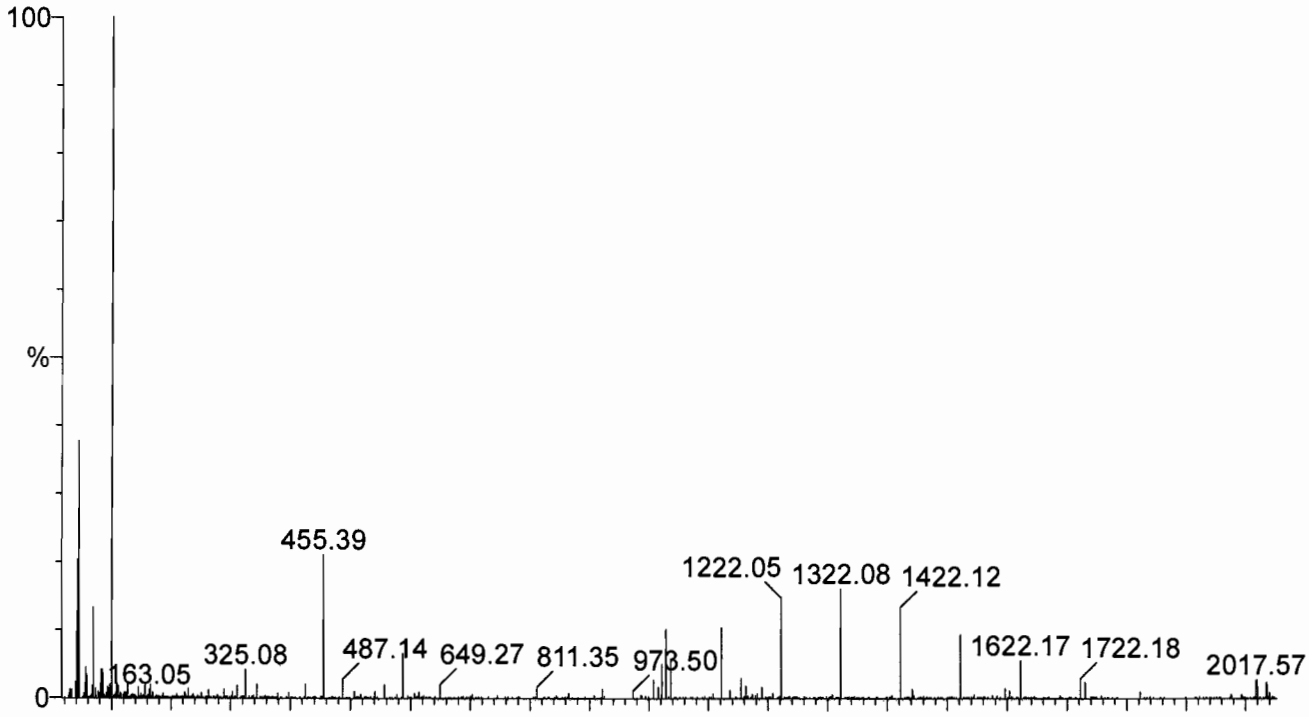
Data file: SCNMS1V - Calibrated 23 matches of 23 tested references



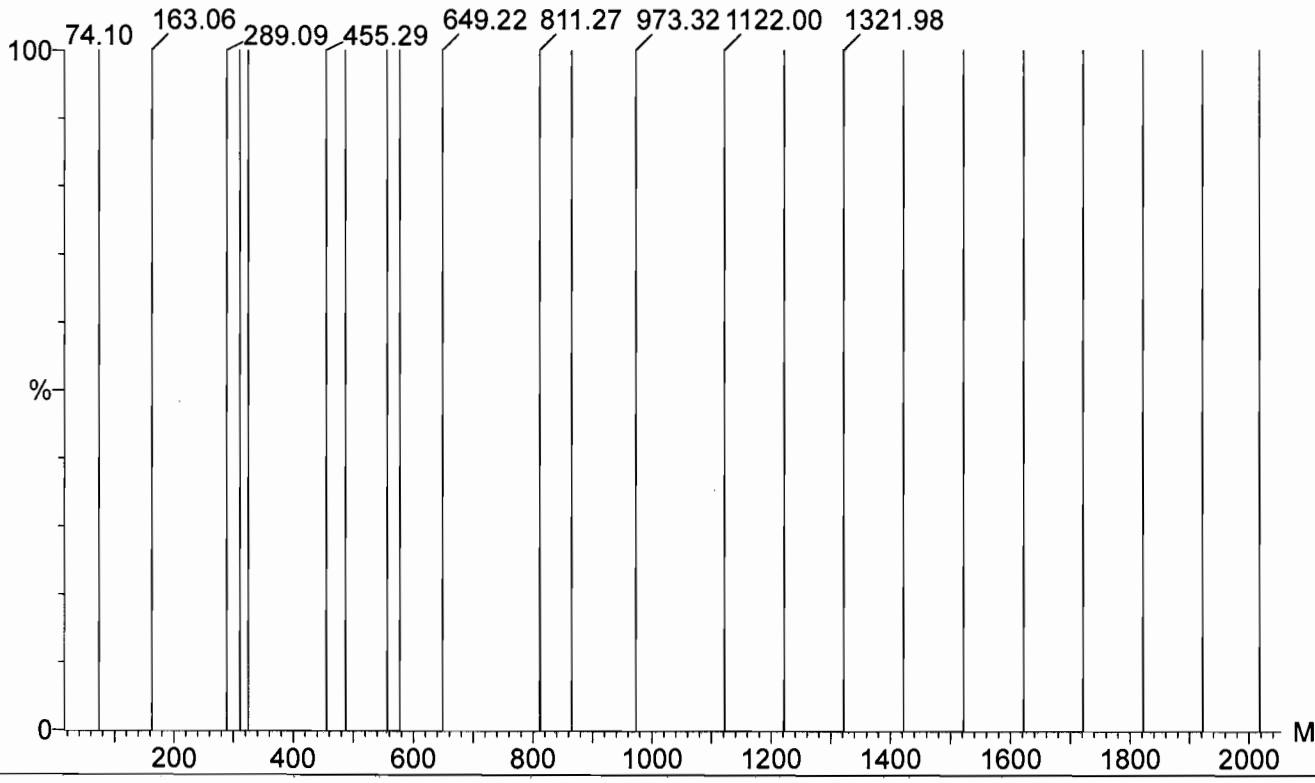

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.11 amu



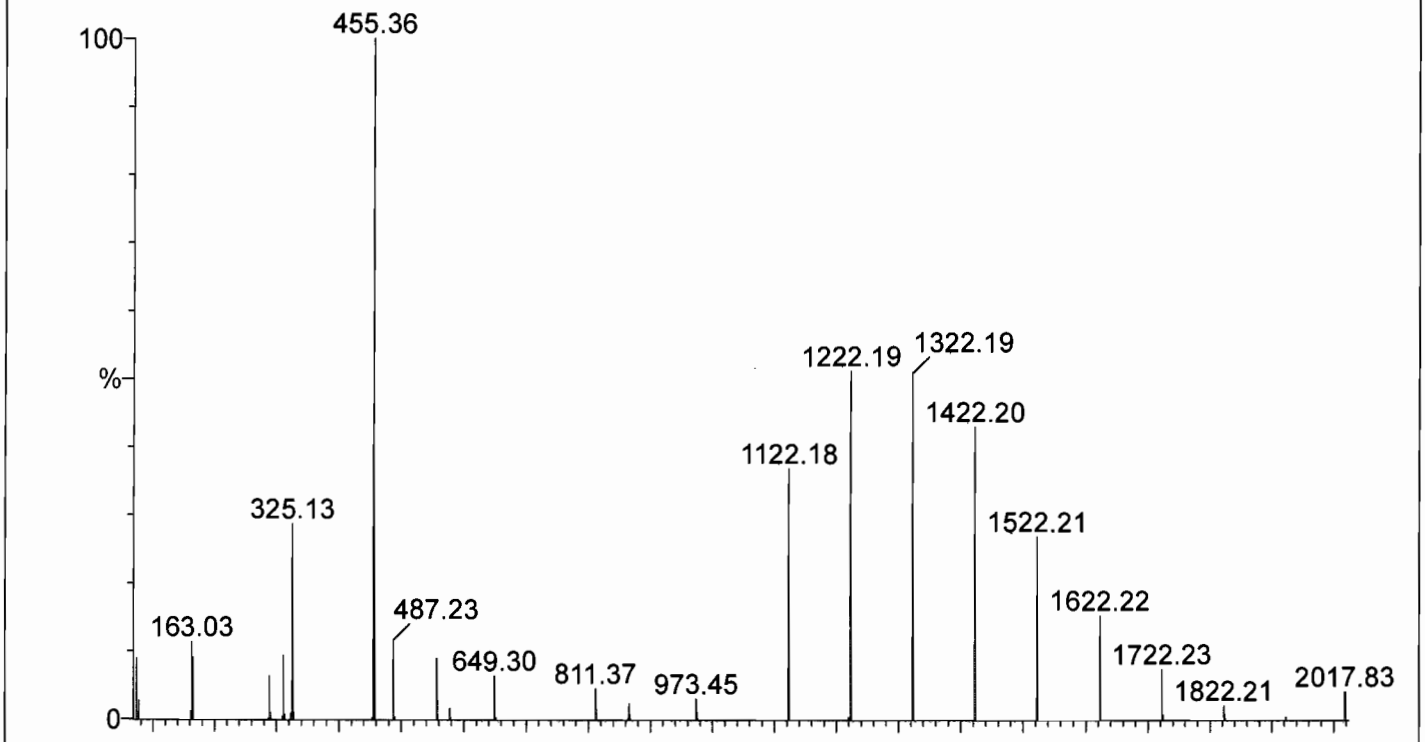
Data file: FASTMS1V - Calibrated 23 matches of 23 tested references



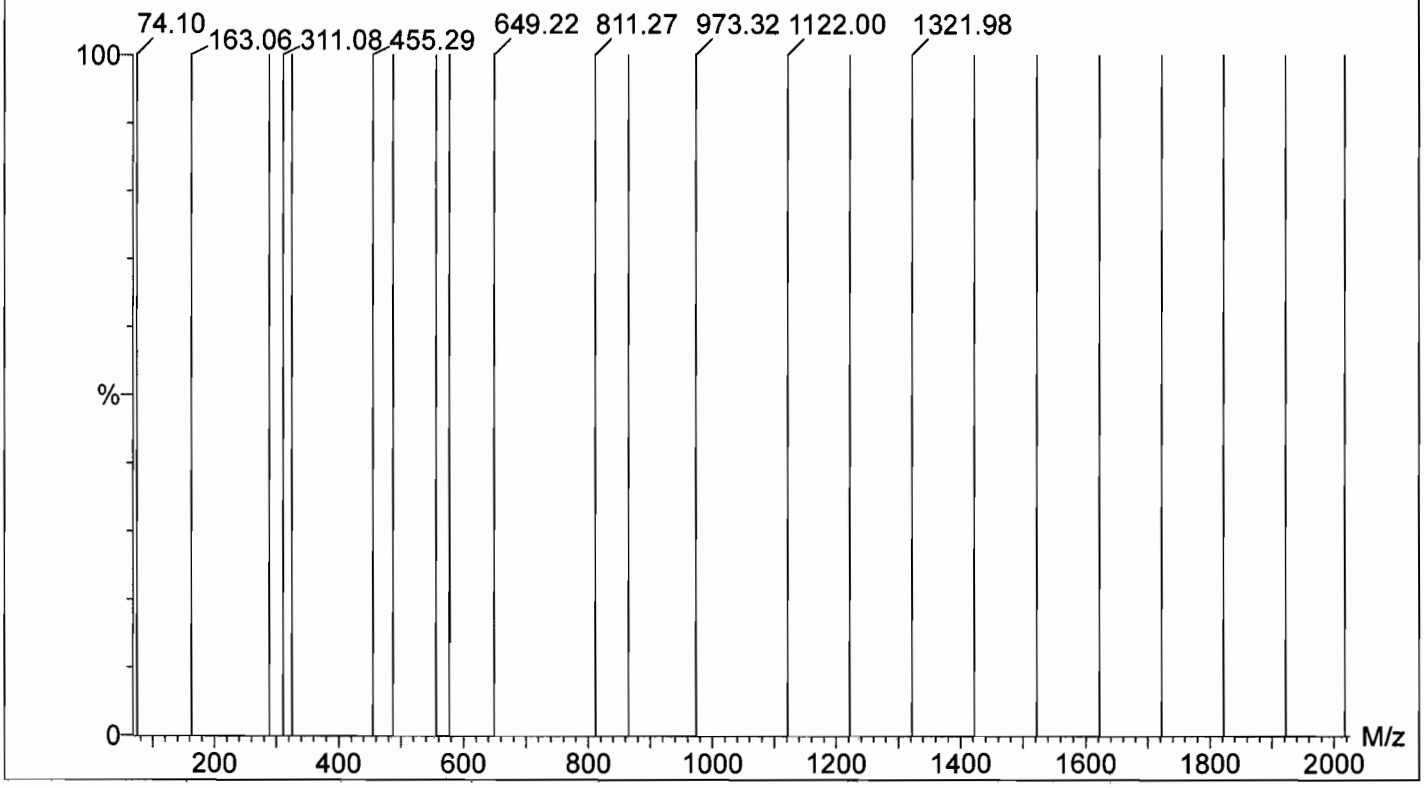

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0989 amu



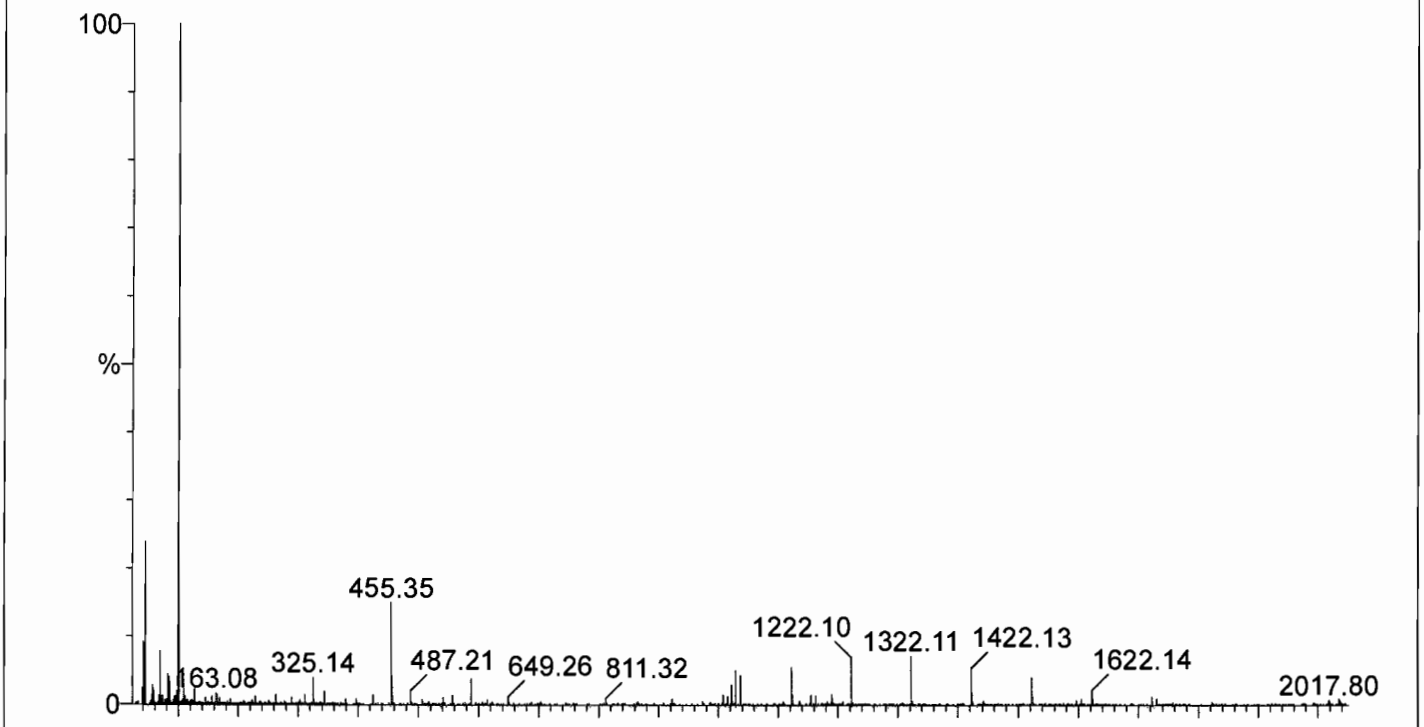
Data file: STATMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.139 amu



Data file: SCNMS2V - Calibrated 23 matches of 23 tested references

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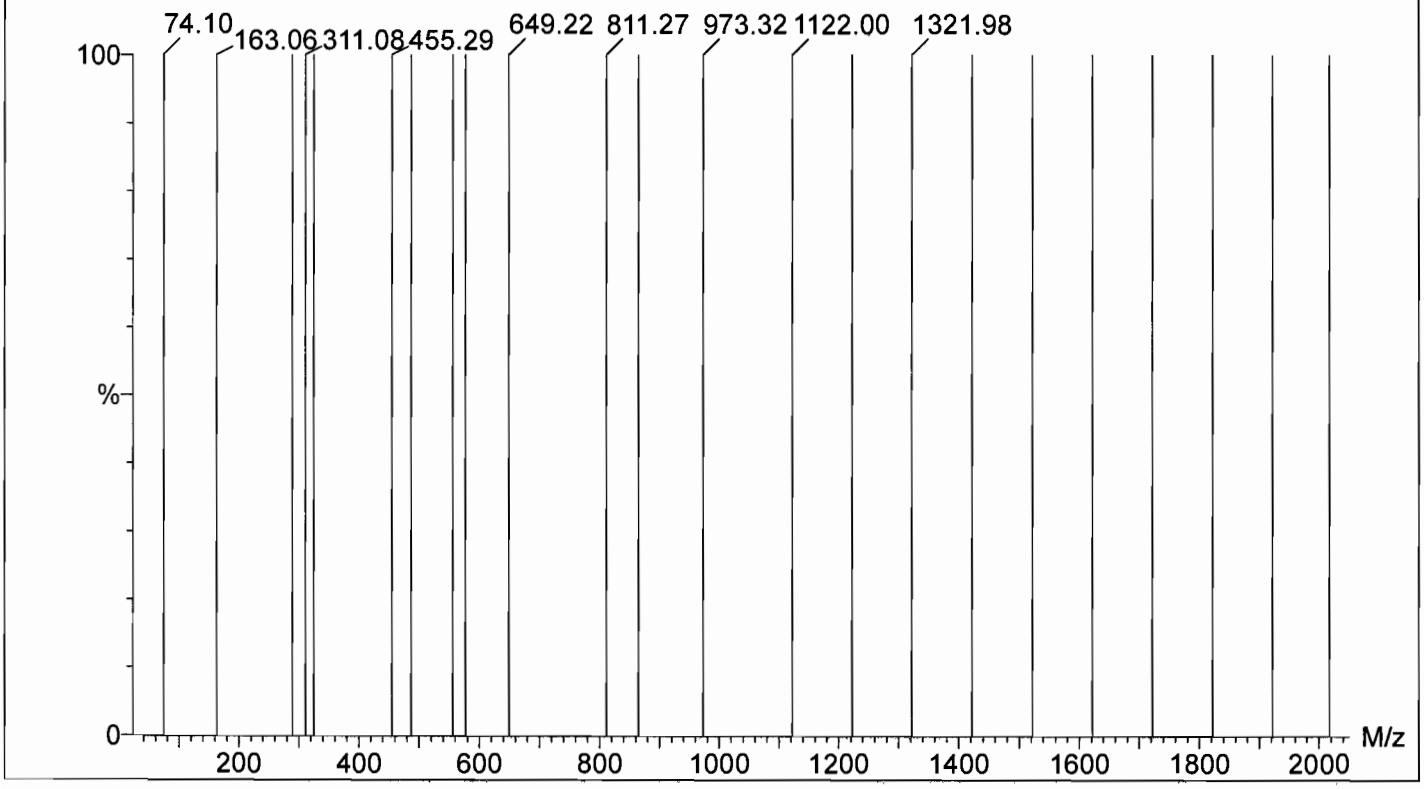
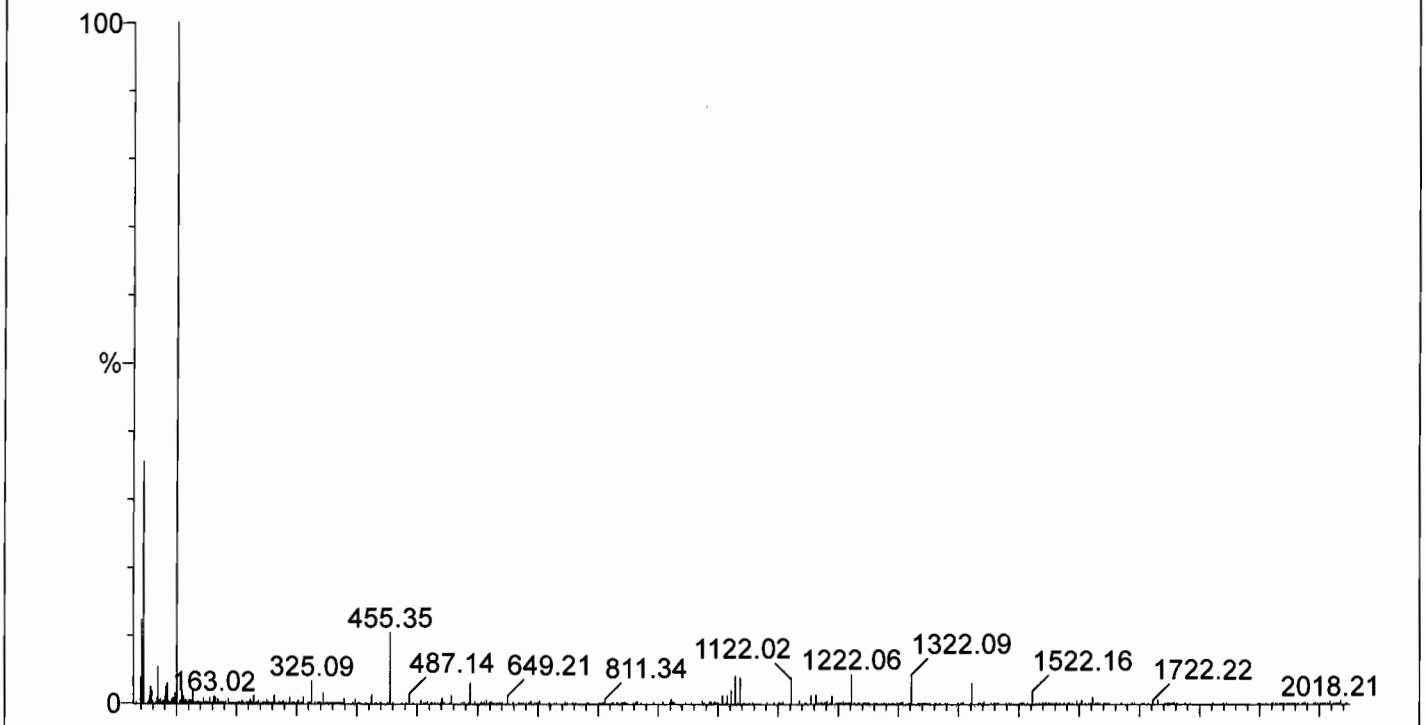


Data file: FASTMS2V - Calibrated 23 matches of 23 tested references

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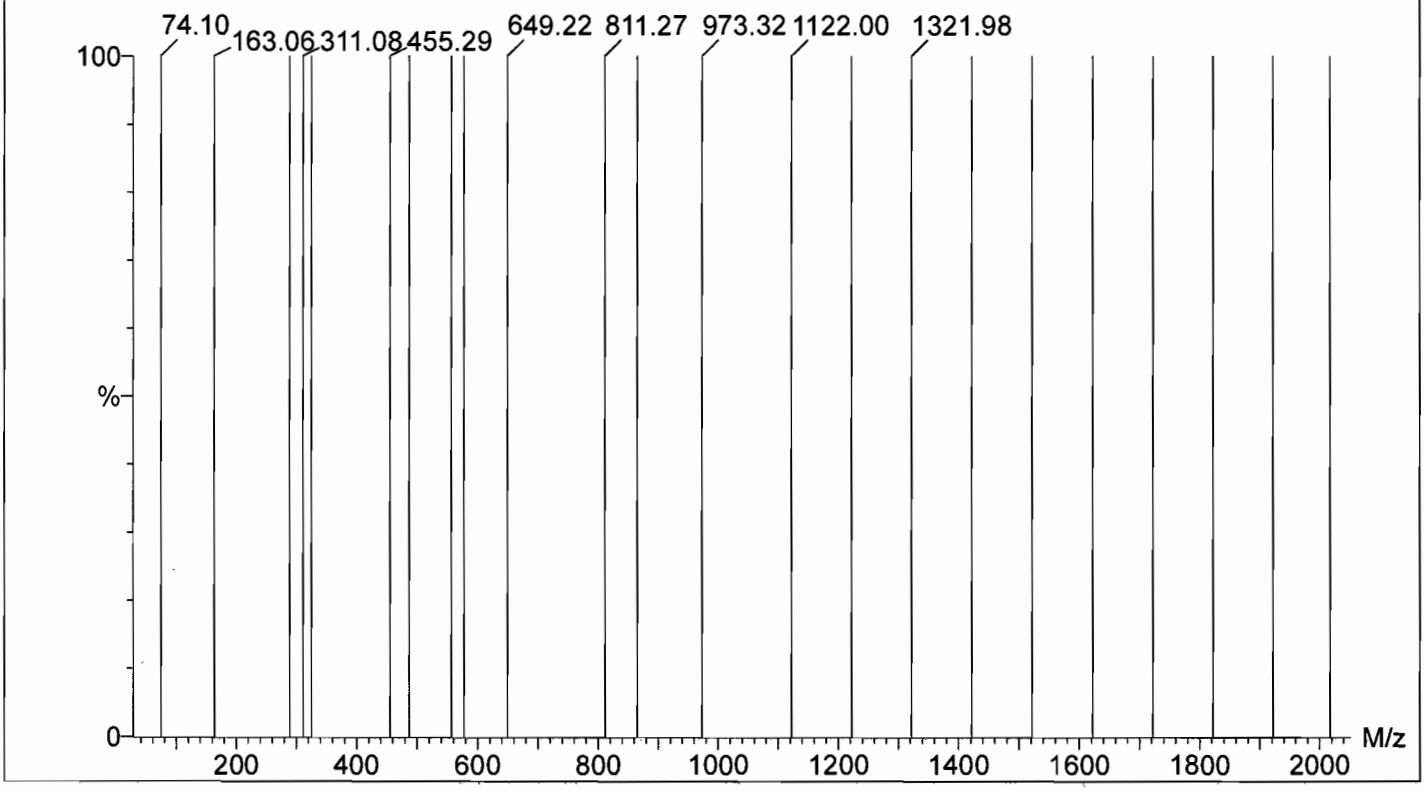


Q4(M) 08-05-19

8/3/19

8/5/19

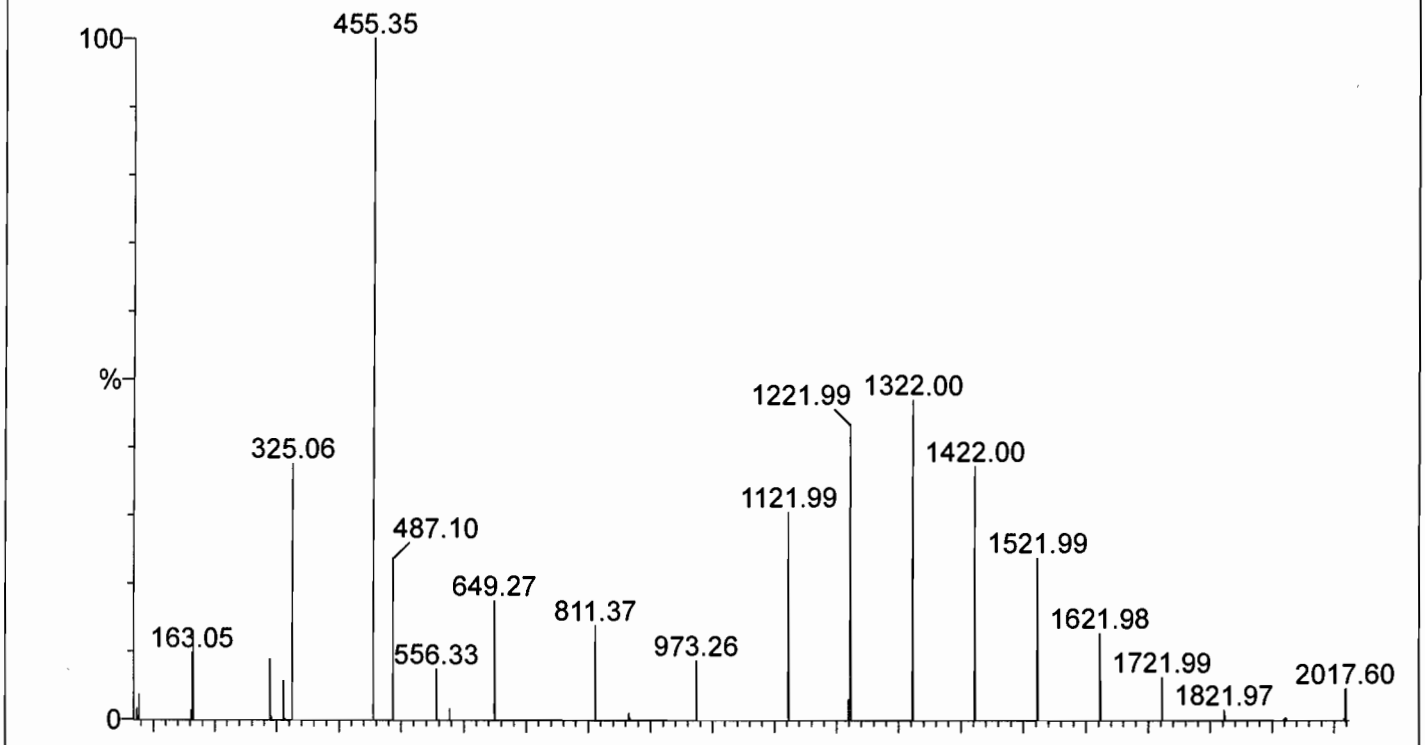
**Calibration Verification Report - MS1 Static**



**Printed:** **Mon Aug 05 08:13:39 2019**

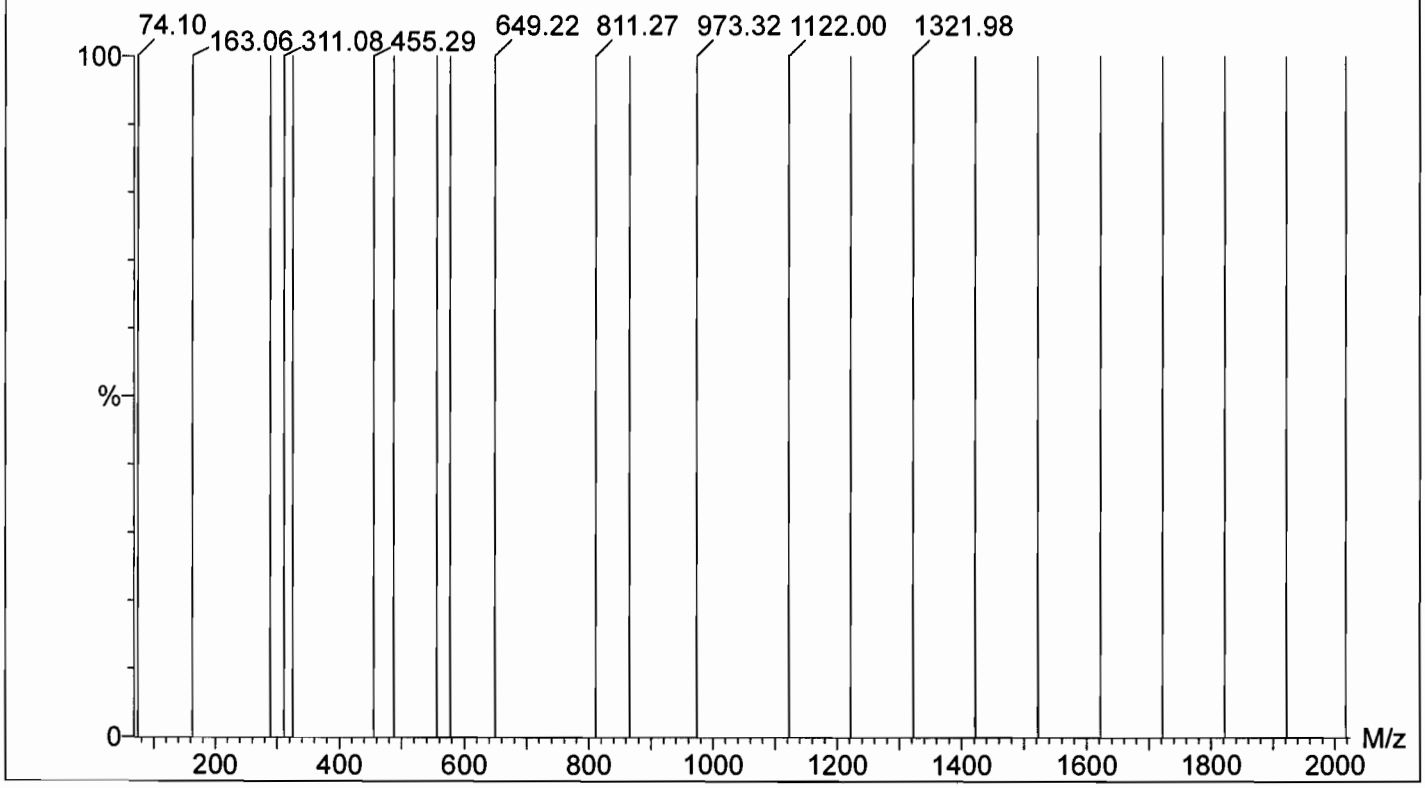
Data file: STATMS1V - Calibrated

23 matches of 23 tested references

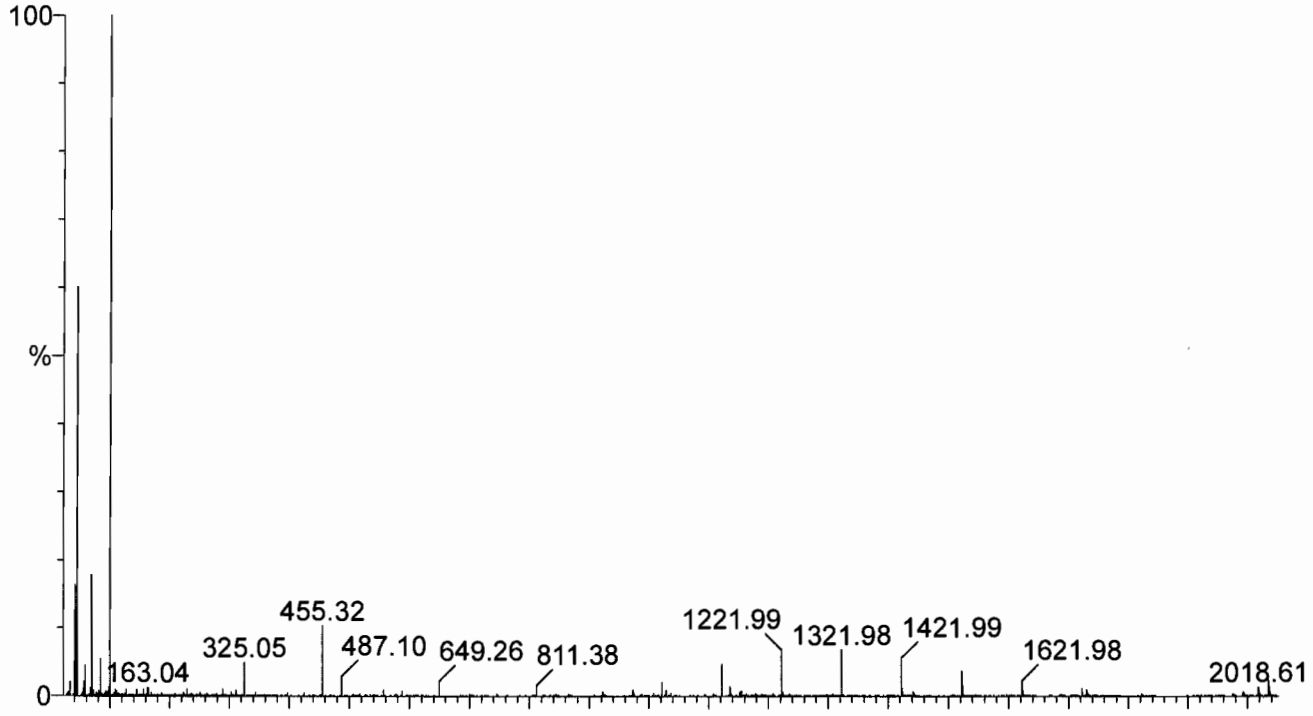



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

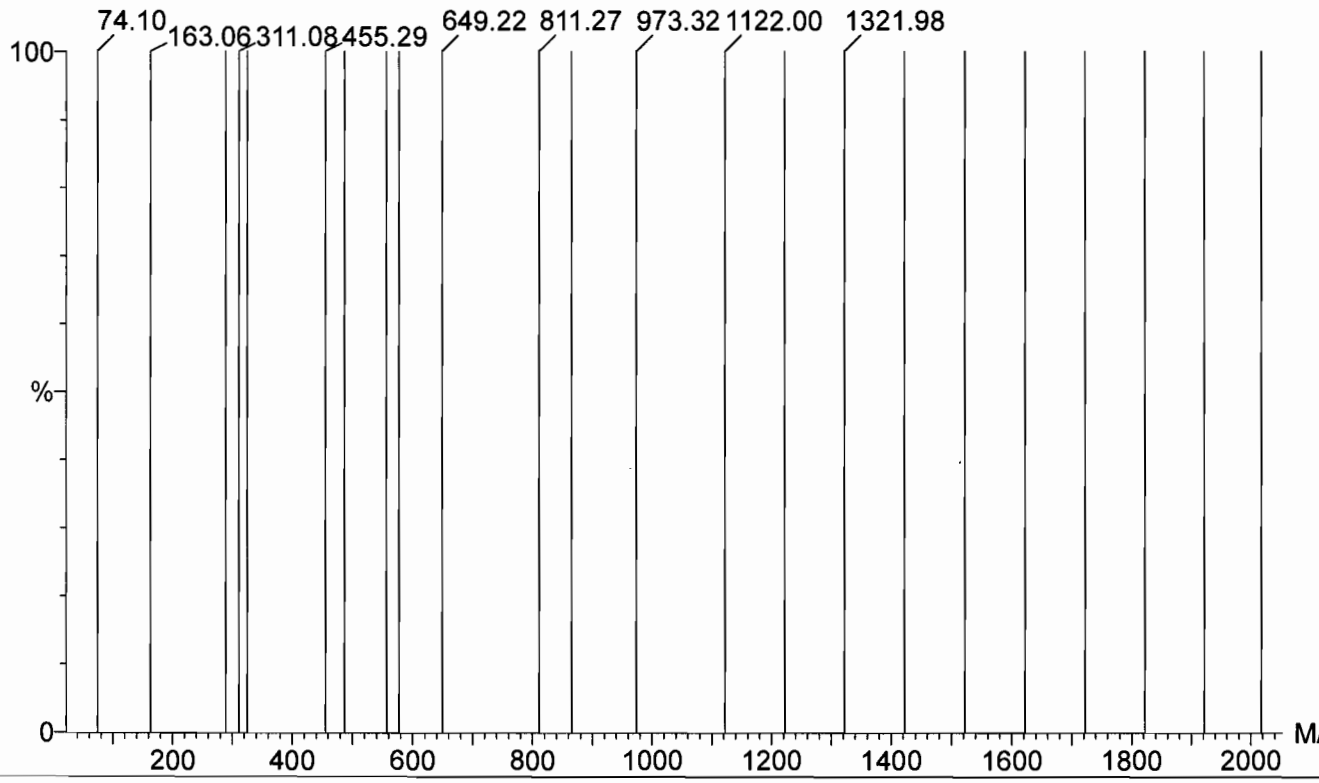
Mean residual = 0.0385 amu



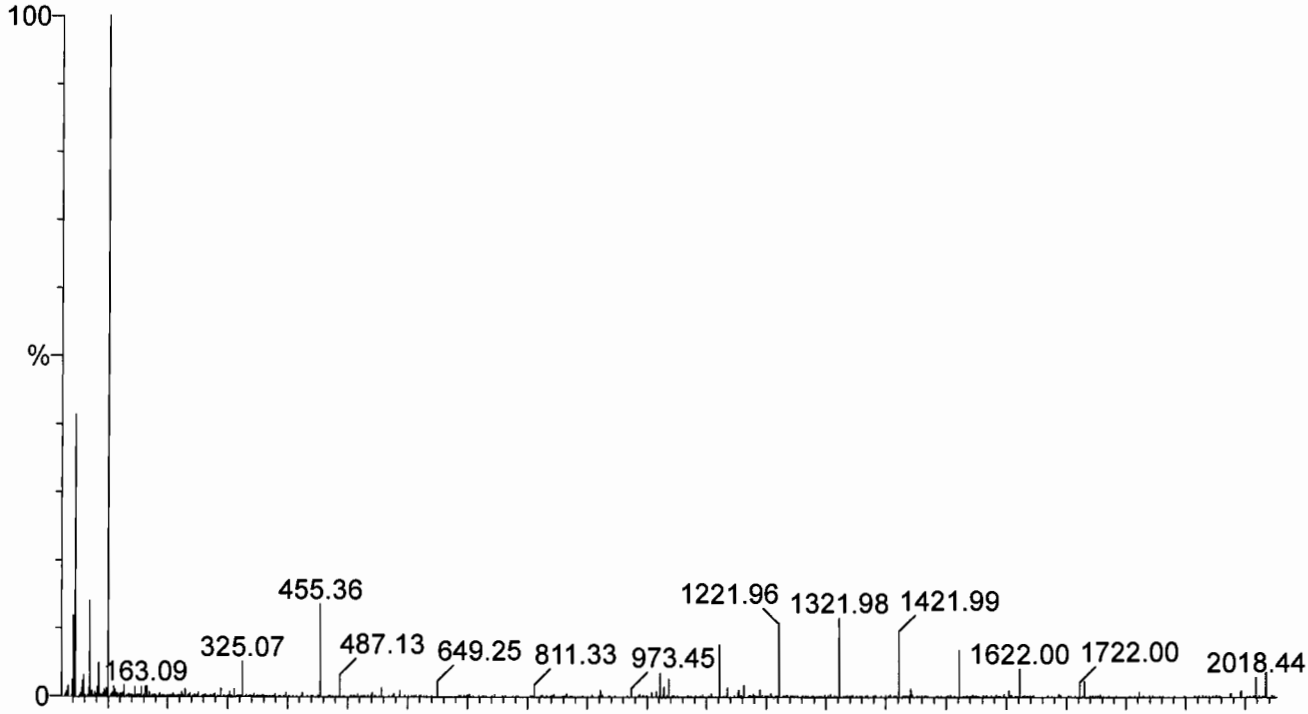
Data file: SCNMS1V - Calibrated 23 matches of 23 tested references



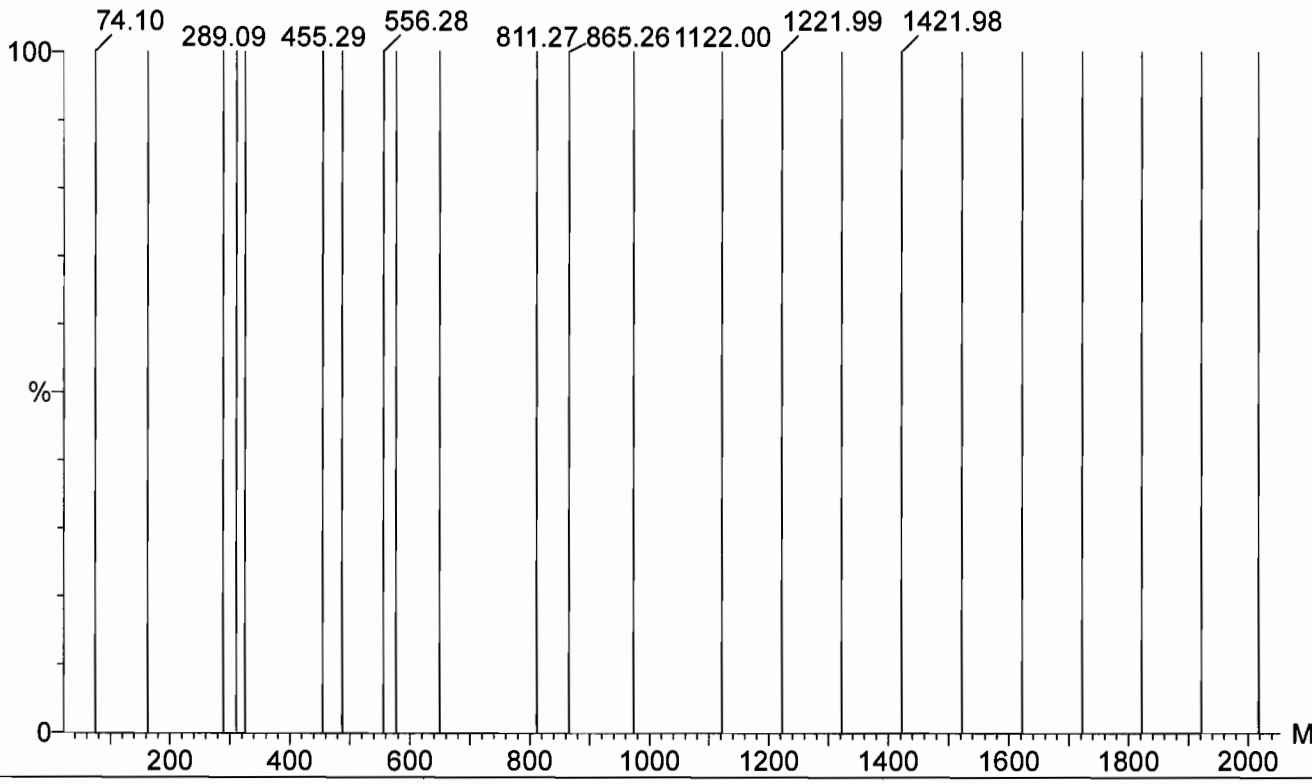

Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0756 amu

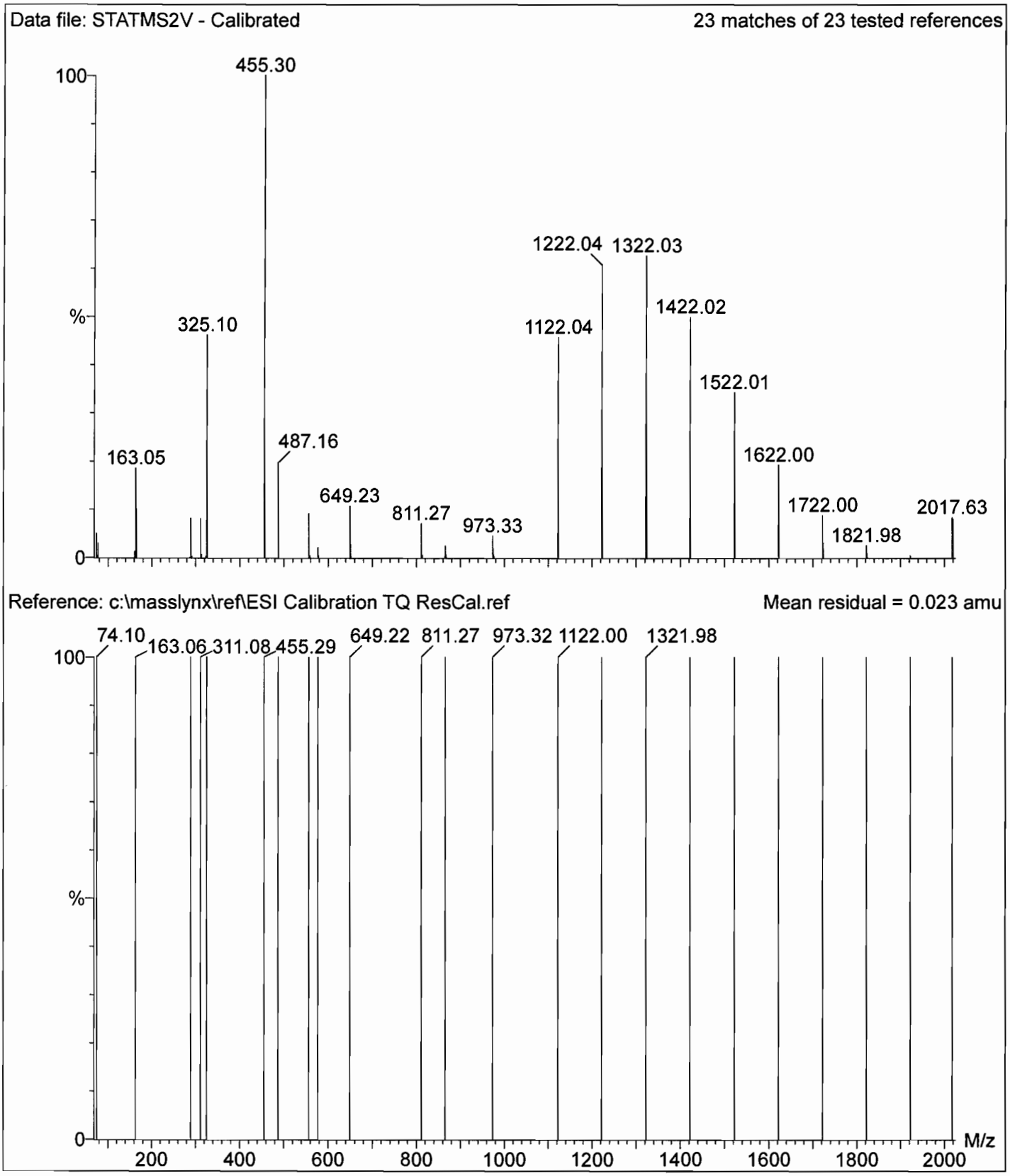


Data file: FASTMS1V - Calibrated 23 matches of 23 tested references

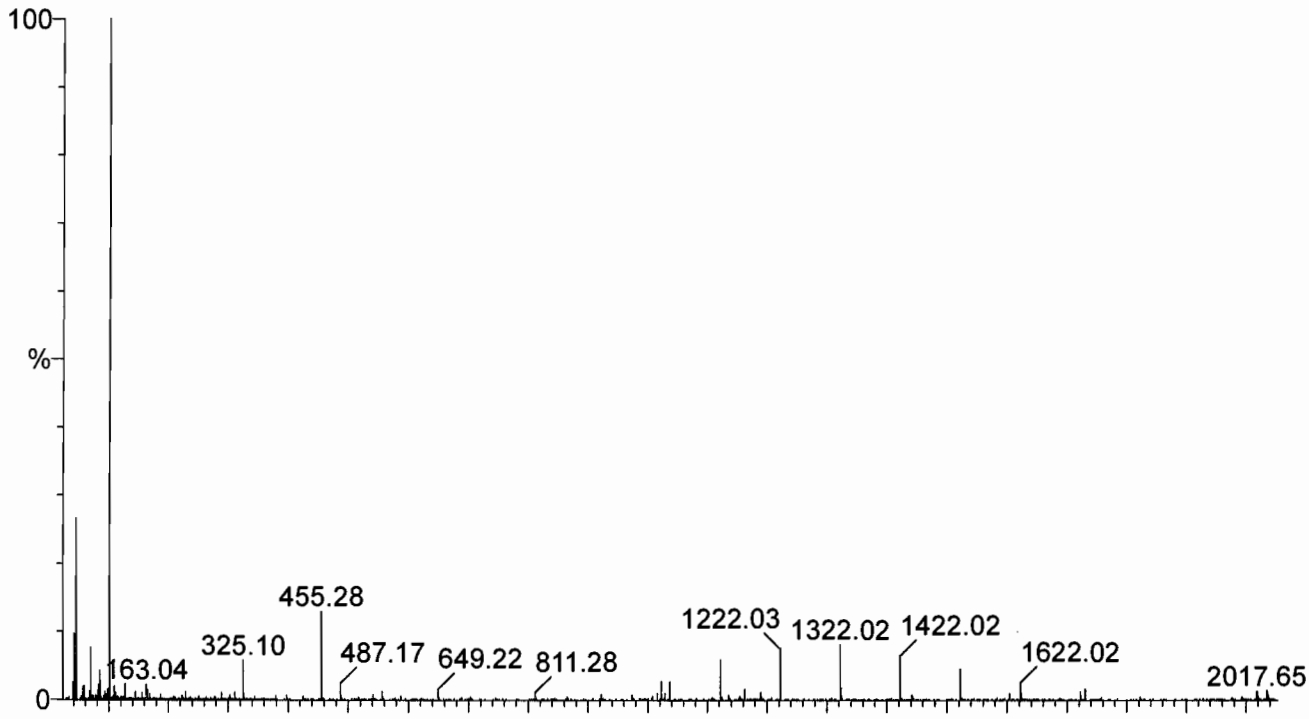



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0801 amu

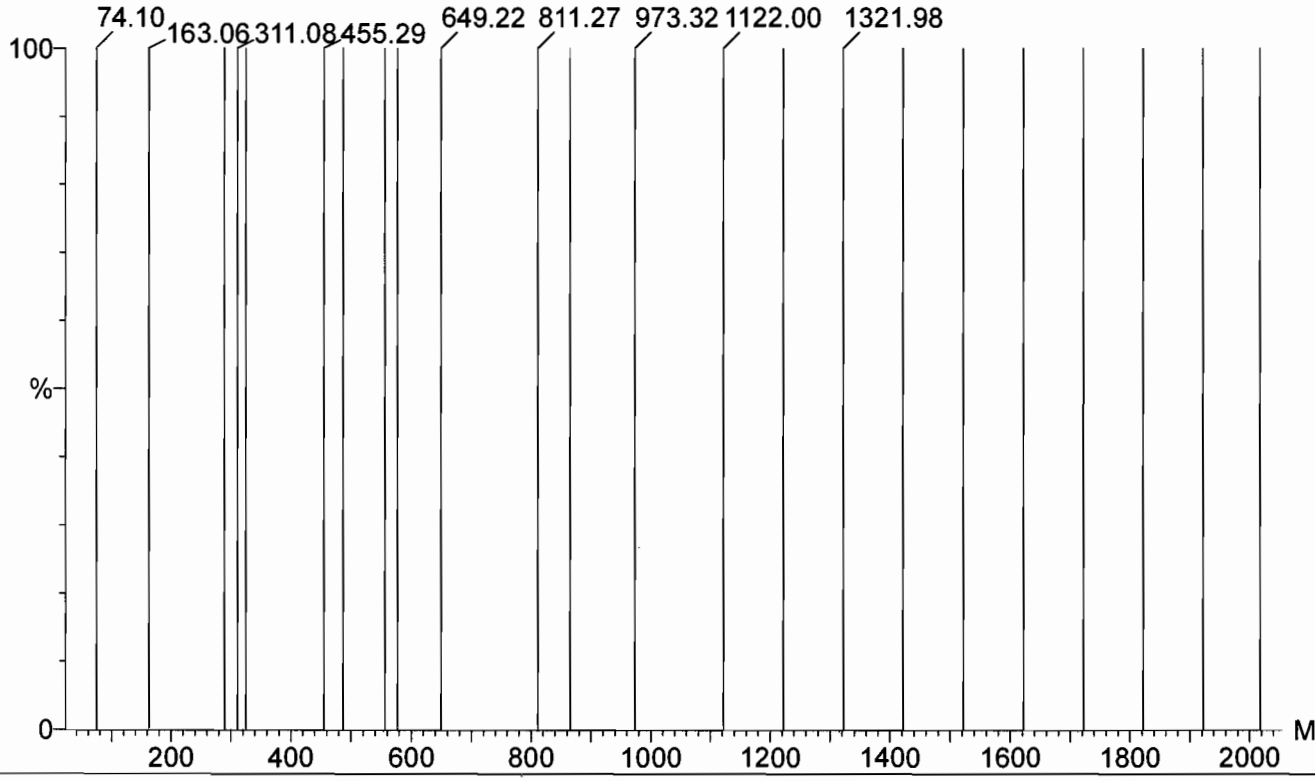



Data file: STATMS2V - Calibrated
23 matches of 23 tested references
100
%
0
455.30
325.10
163.05
487.16
649.23
811.27
973.33
1122.04
1222.04
1322.03
1422.02
1522.01
1622.00
1722.00
1821.98
2017.63
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.023 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z

Data file: SCNMS2V - Calibrated 23 matches of 23 tested references

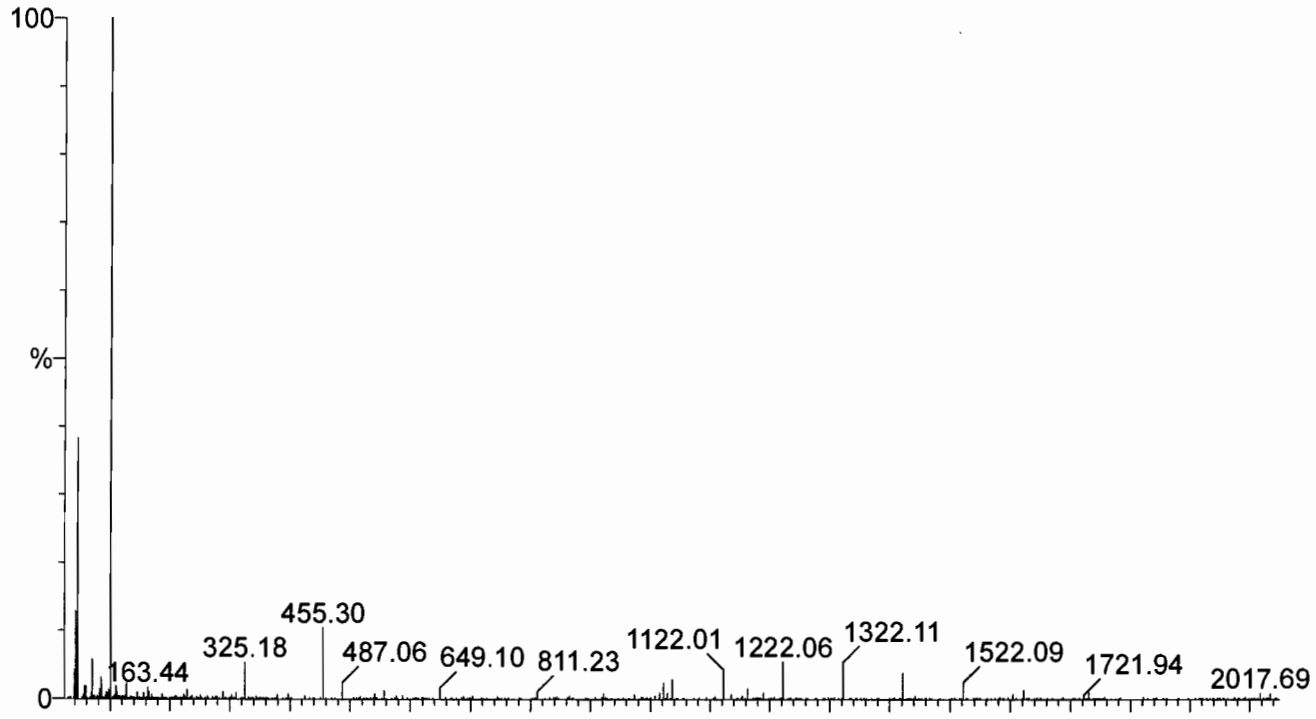



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.0255 amu

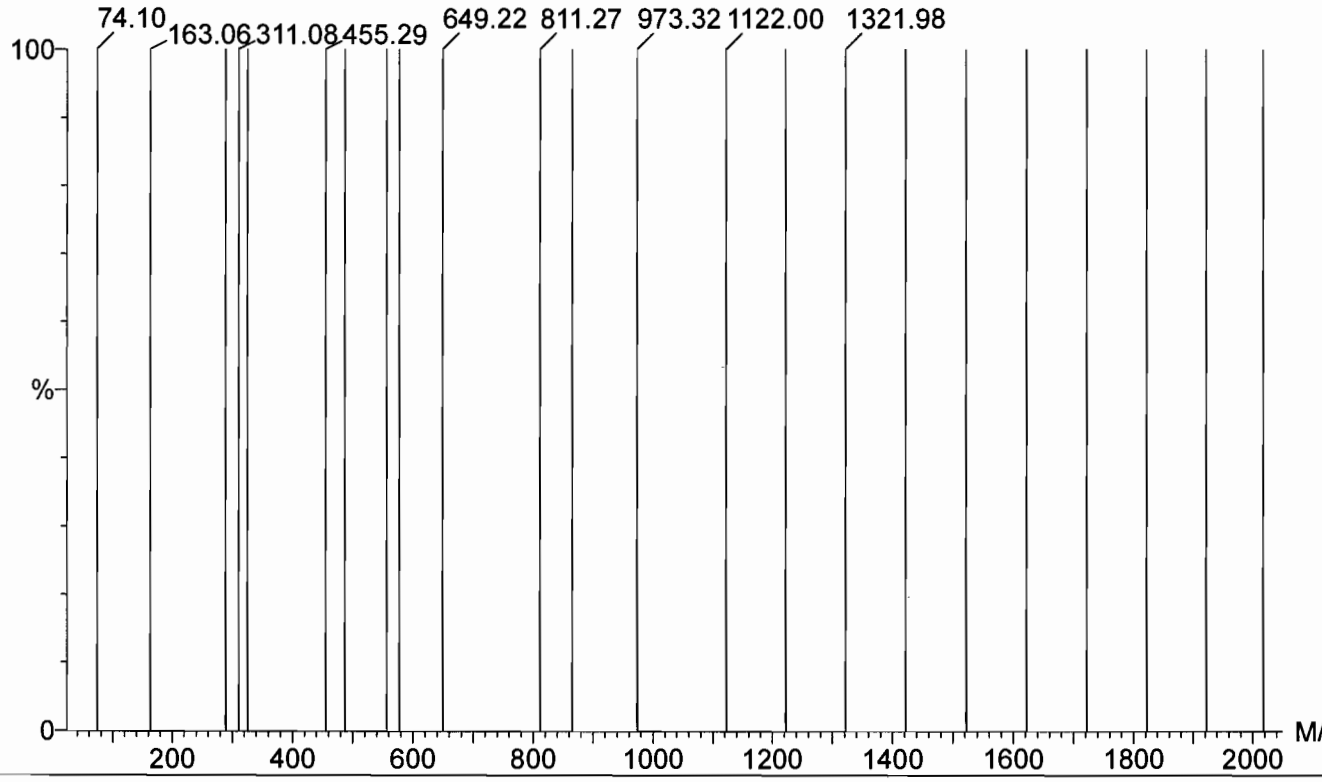


**Printed:** **Mon Aug 05 08:19:41 2019**

Data file: FASTMS2V - Calibrated 23 matches of 23 tested references




Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.117 amu



Q4(M) 08-06-19

08/03/19

8/6/19

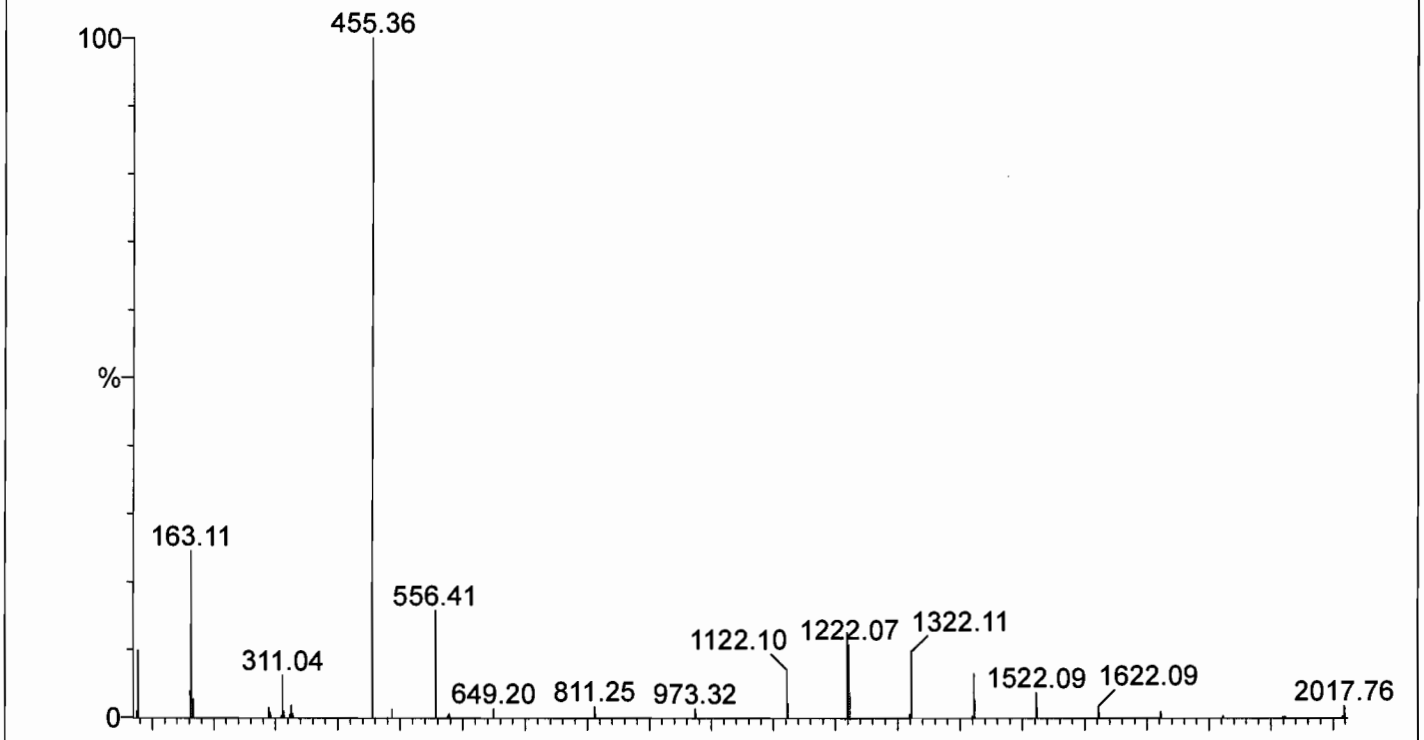
**Calibration Verification Report - MS1 Static**



**Printed:** **Tue Aug 06 09:09:50 2019**

Data file: STATMS1V - Calibrated

22 matches of 23 tested references

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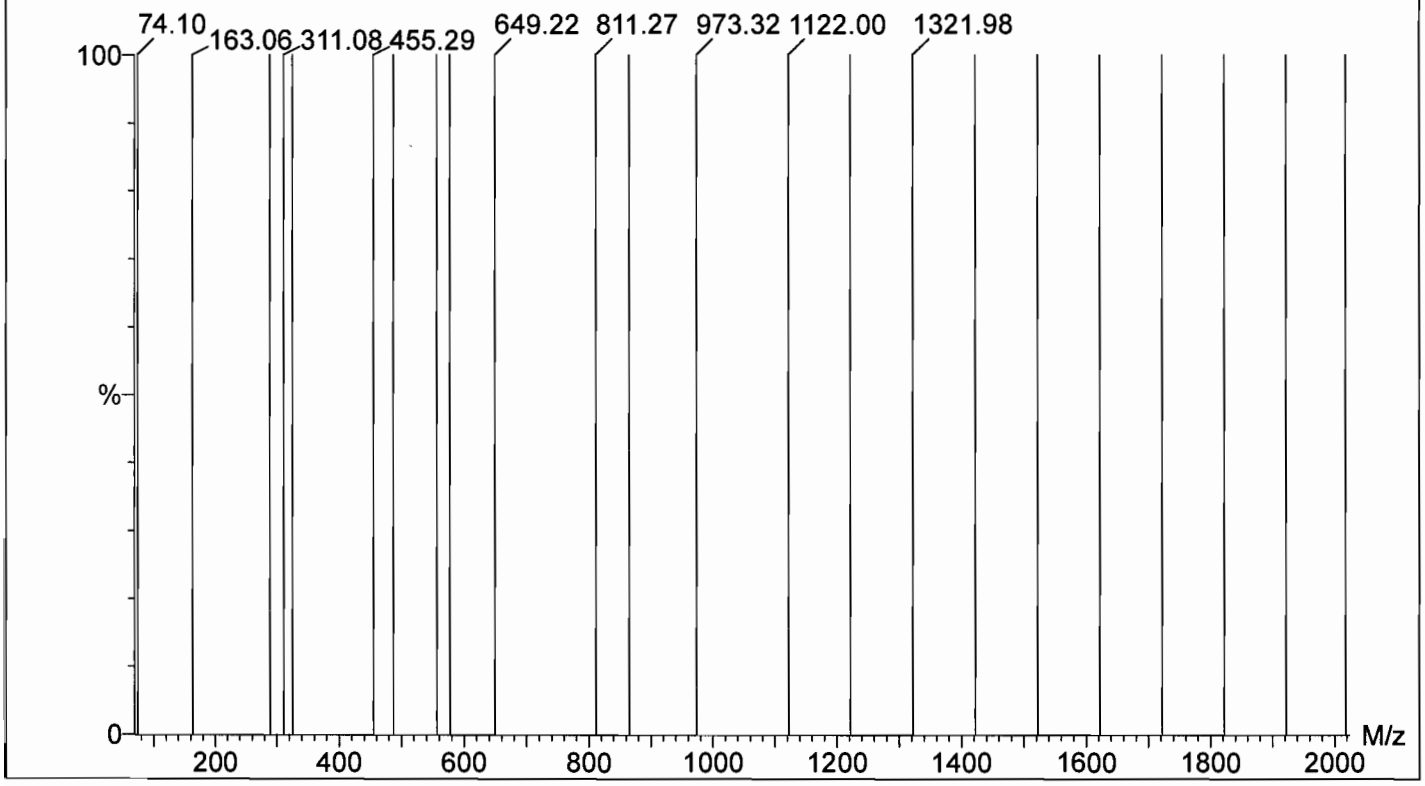
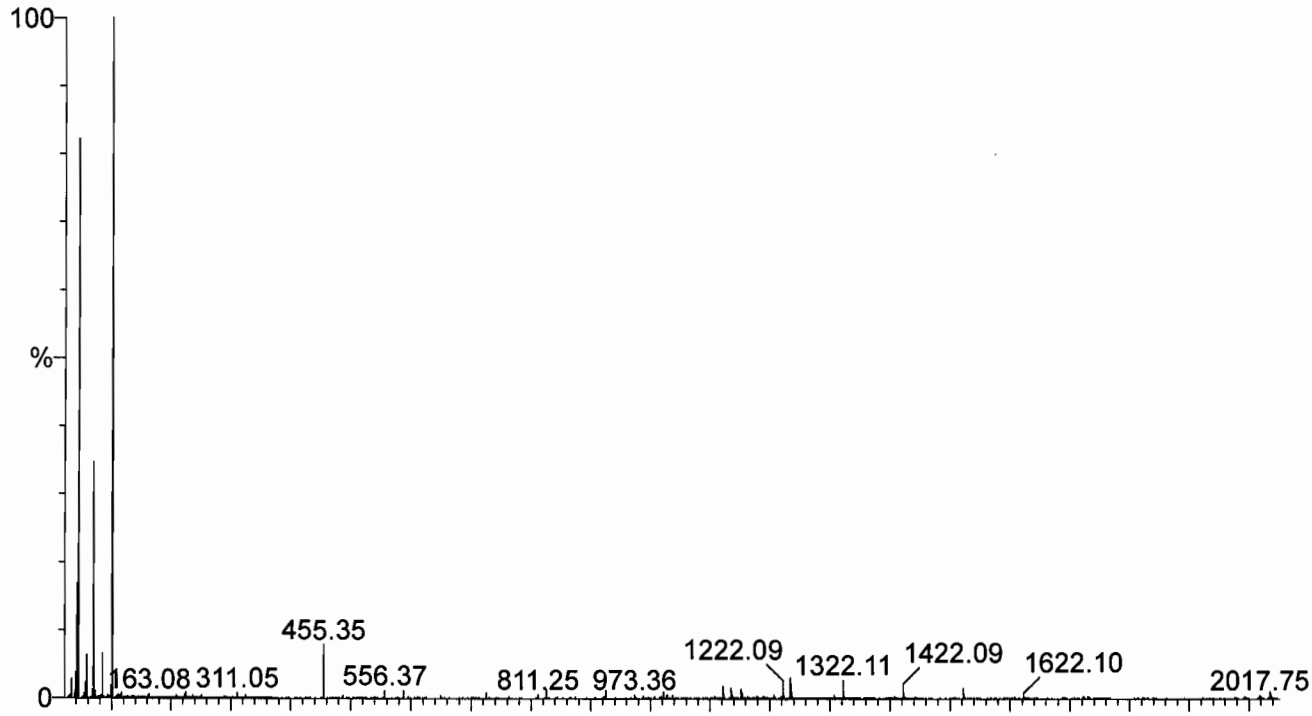


Data file: SCNMS1V - Calibrated 23 matches of 23 tested references

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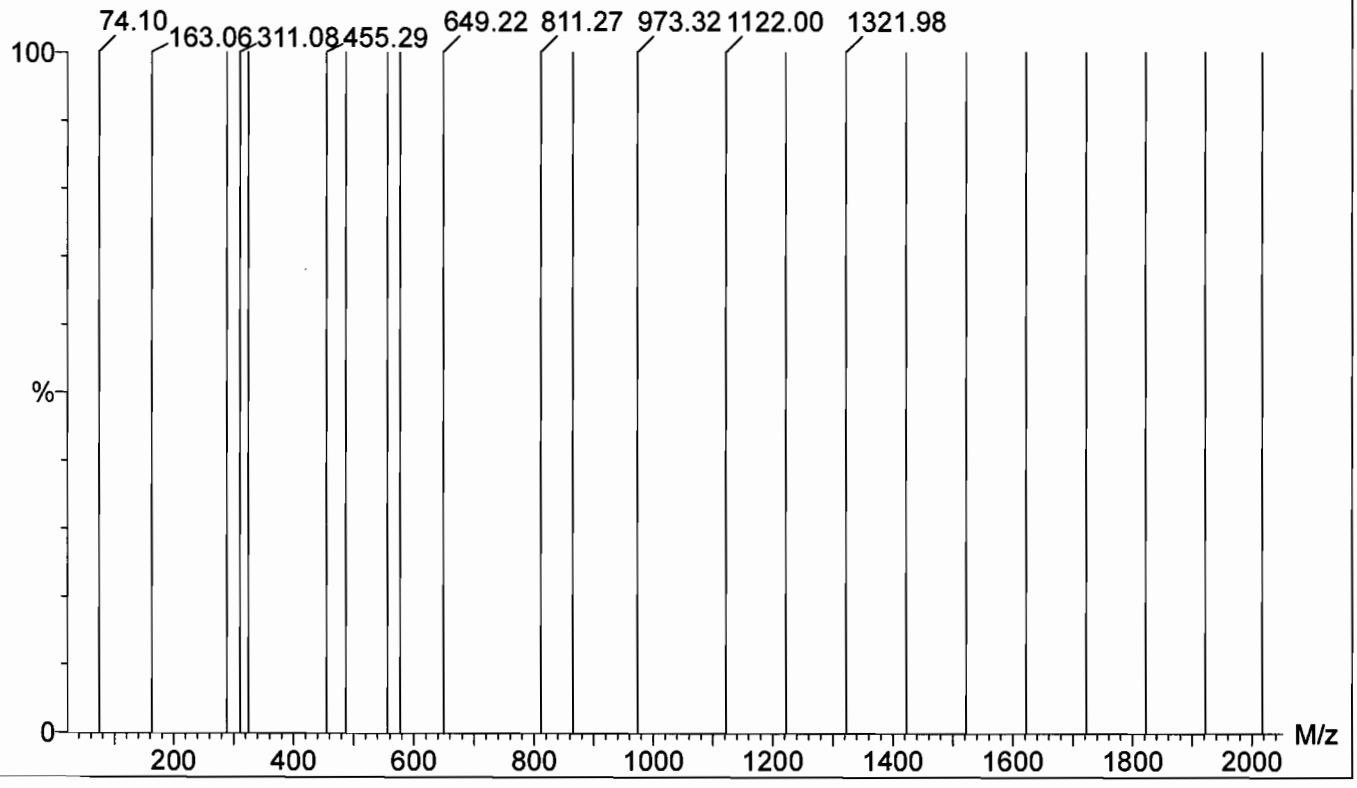

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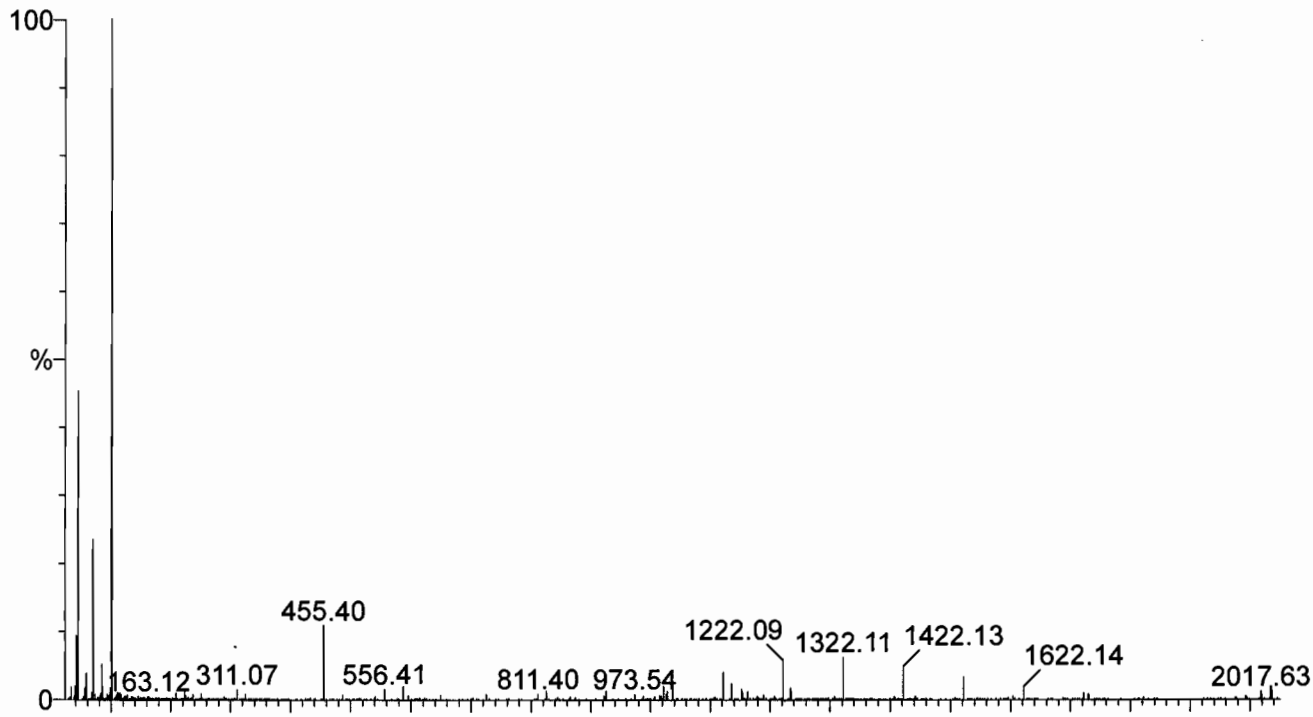


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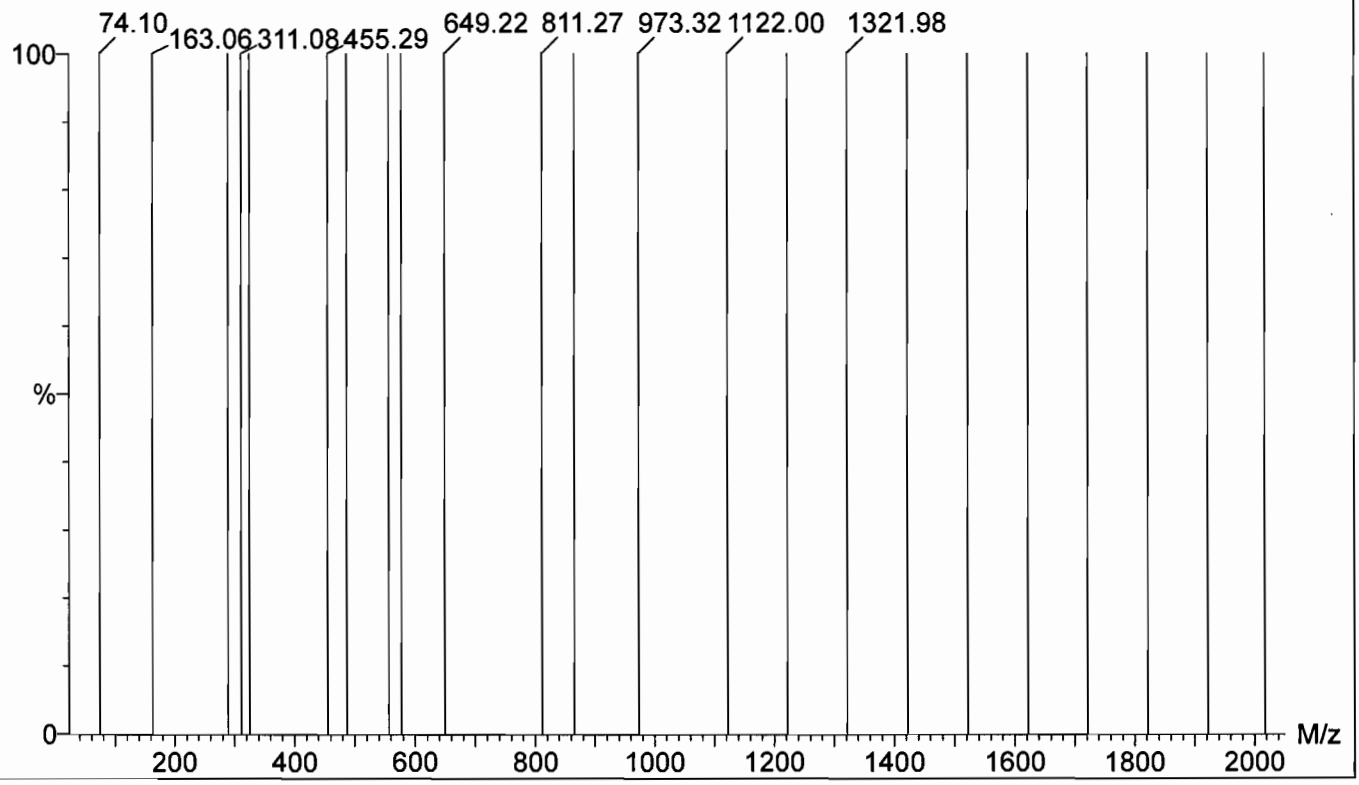
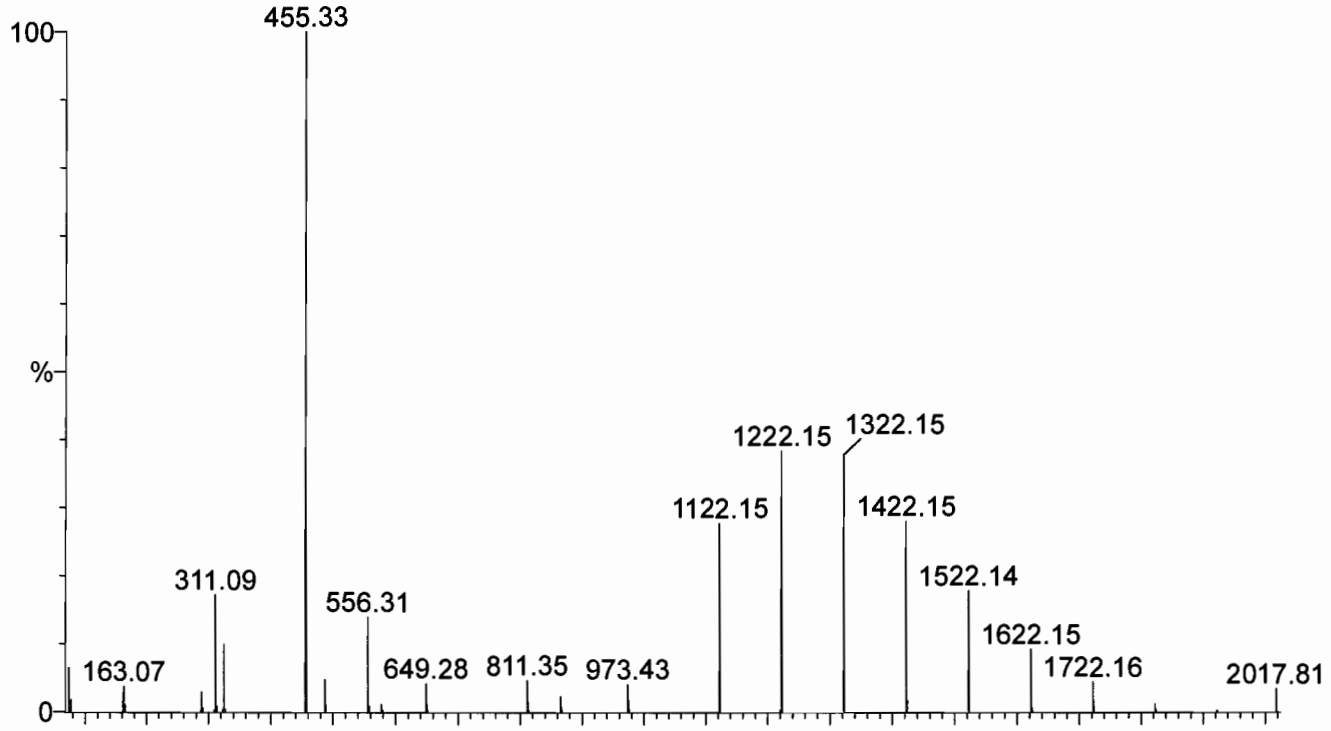


Data file: STATMS2V - Calibrated 23 matches of 23 tested references

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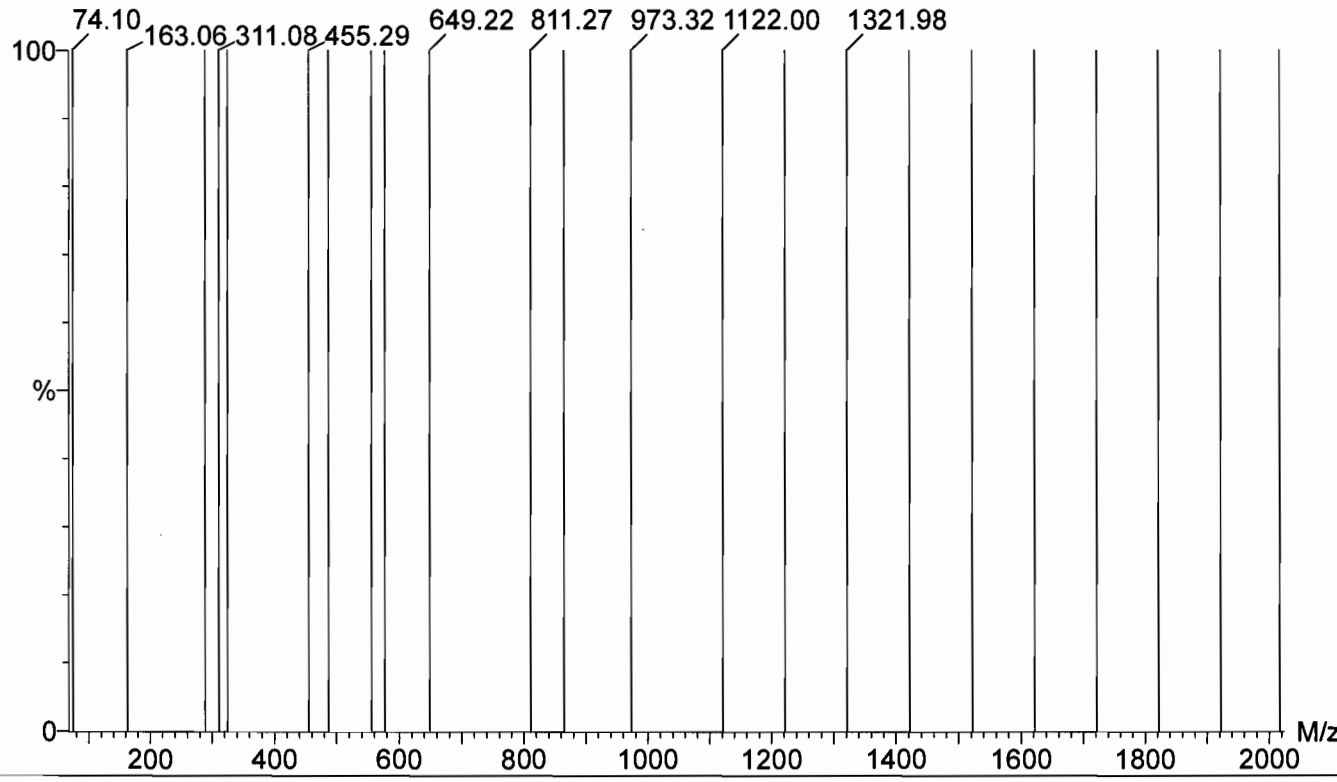

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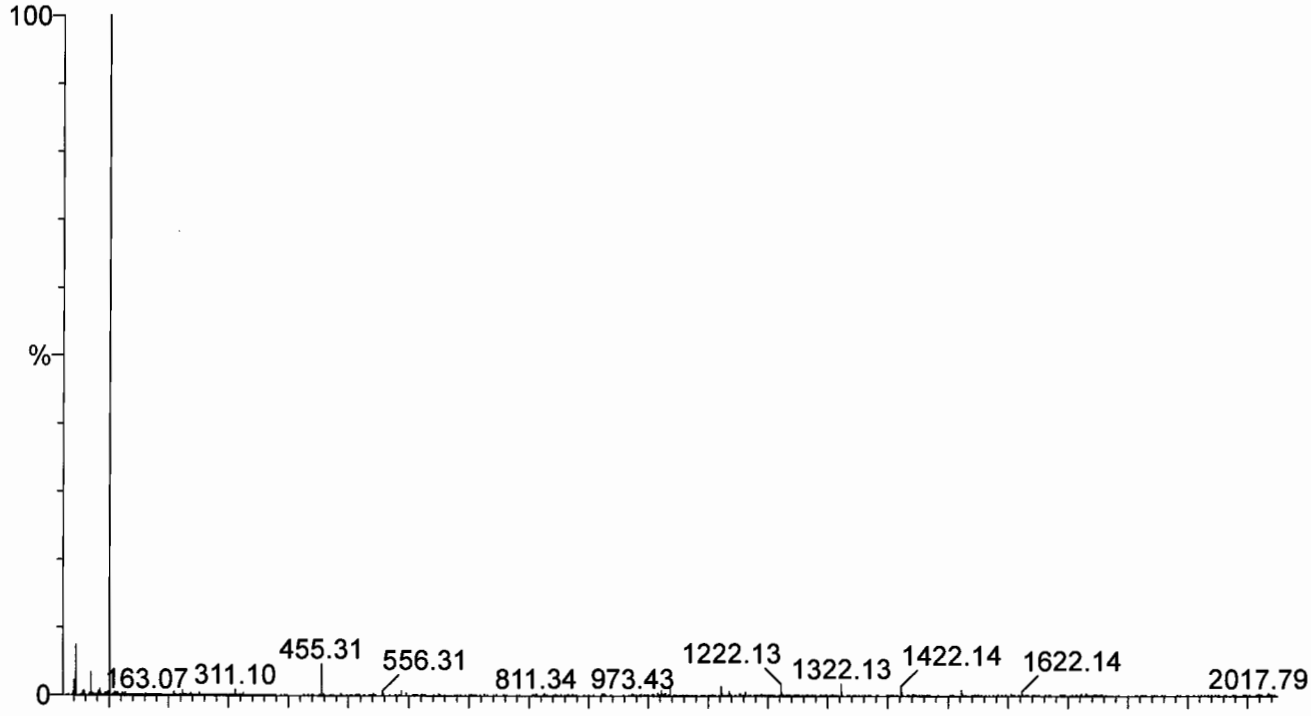


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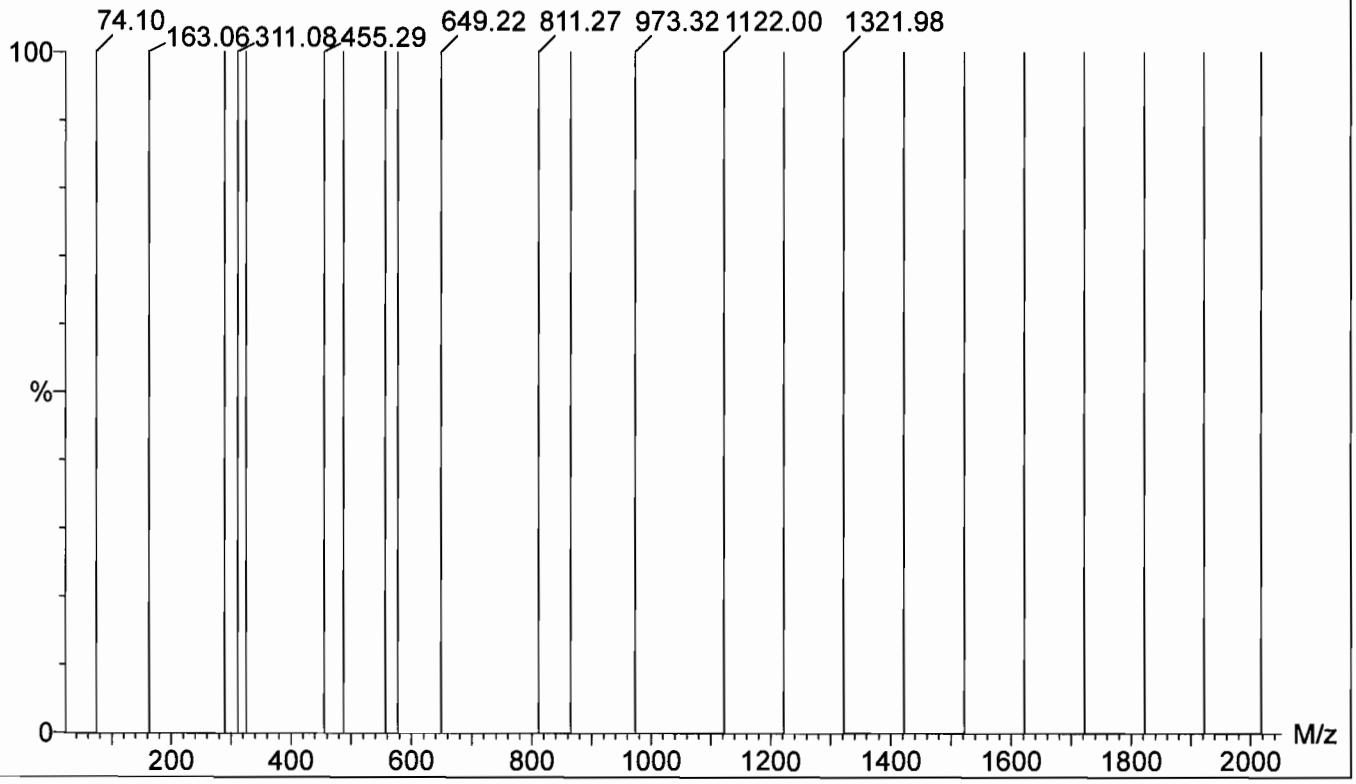

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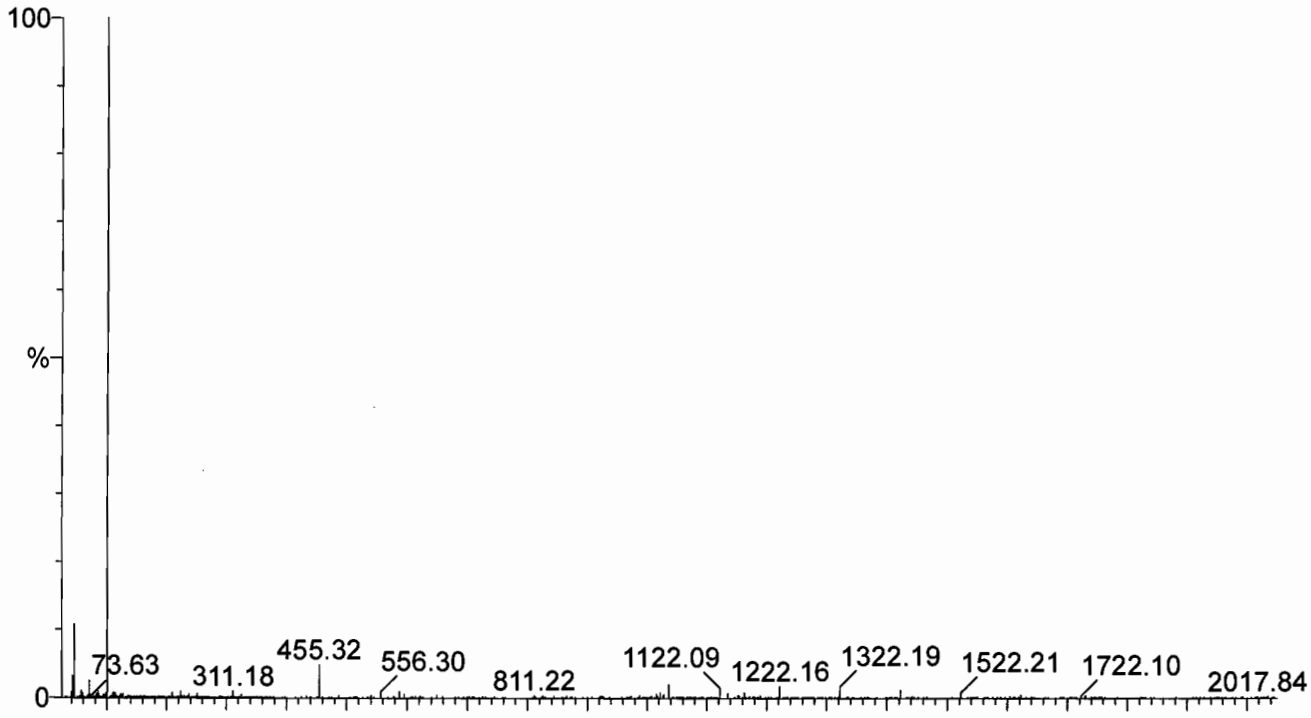


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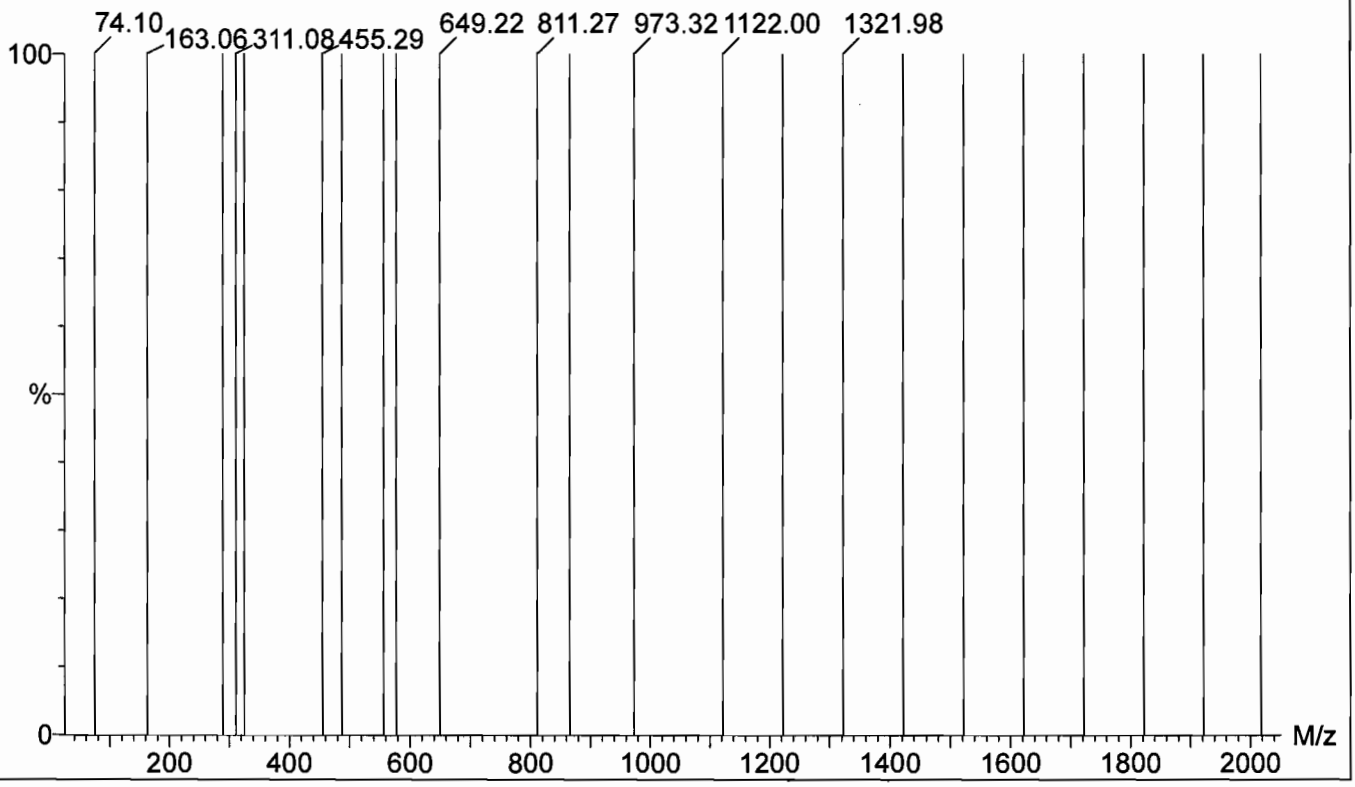


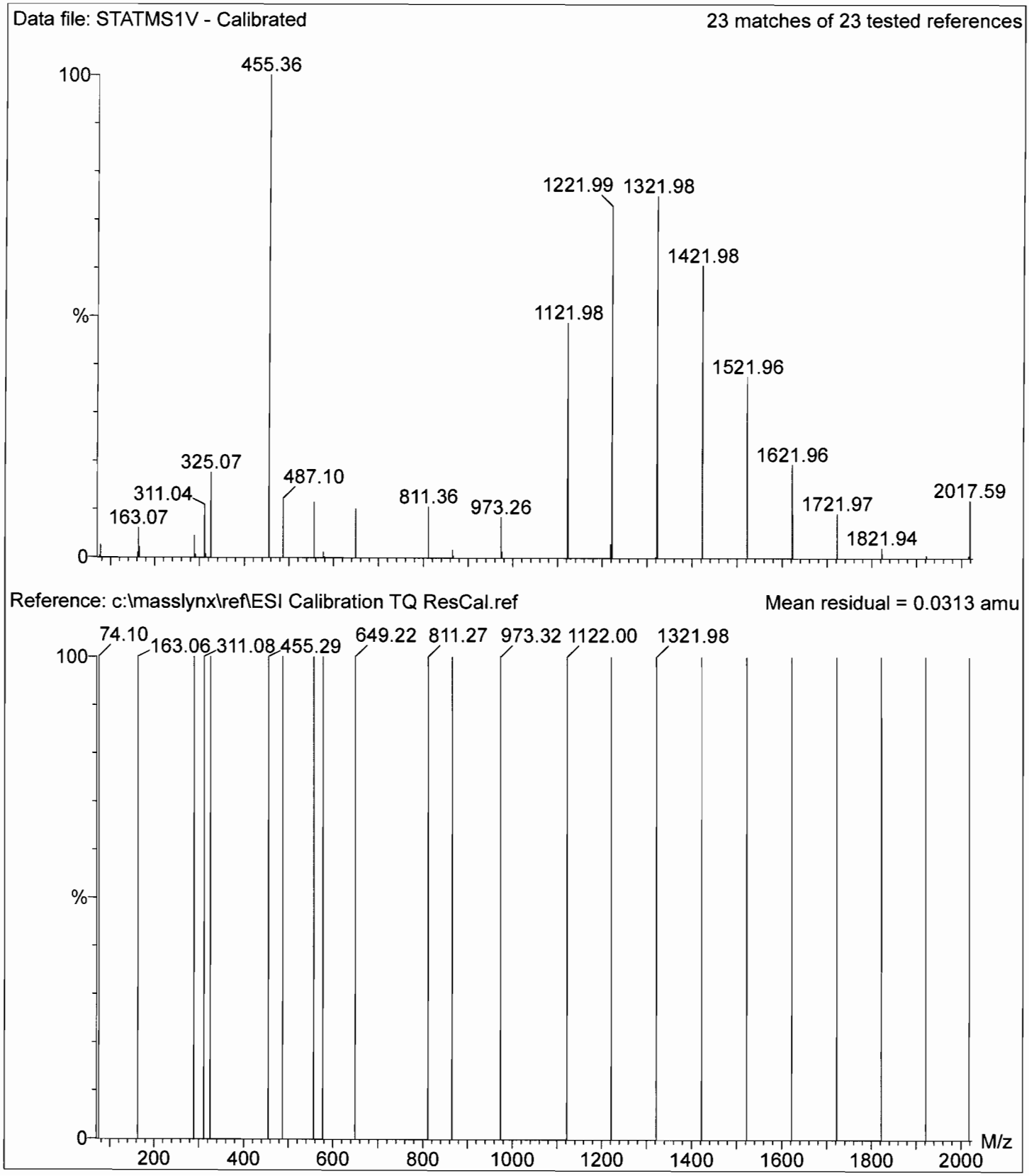
Q4(M) 08-07-19

08/03/19 CLK 8/7/19

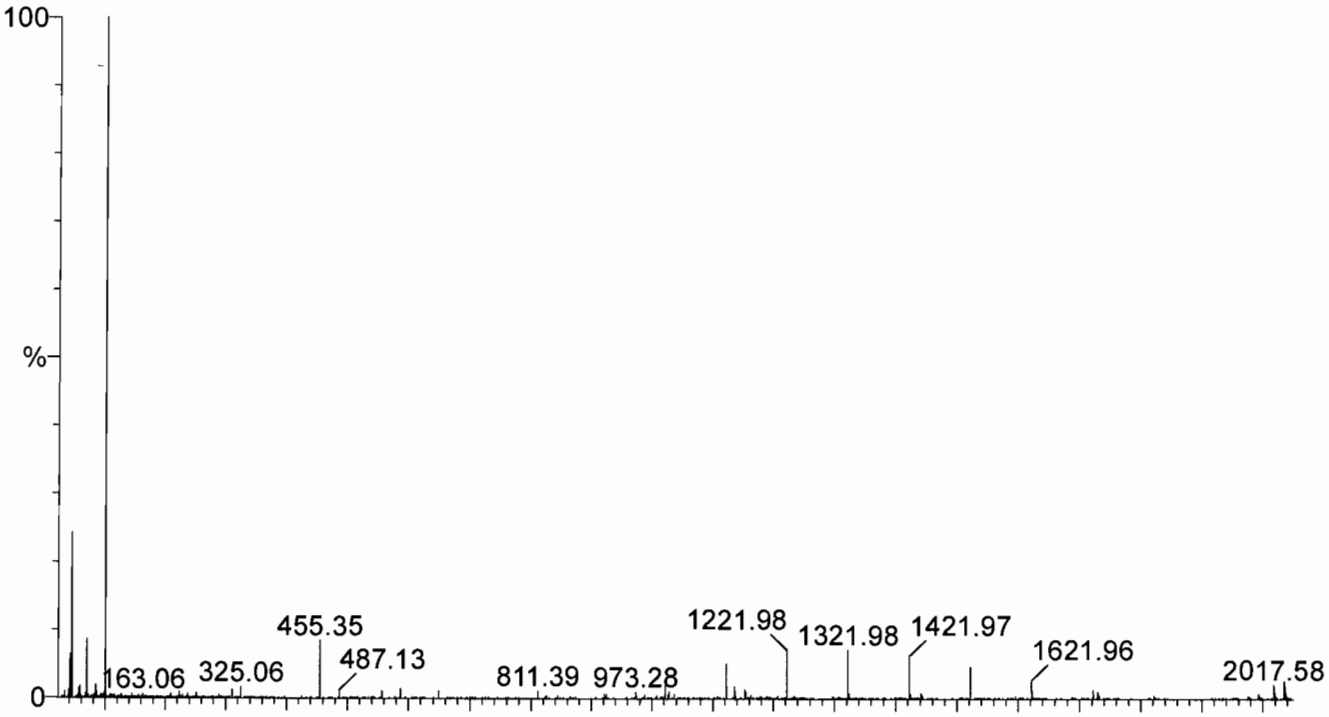
**Calibration Verification Report - MS1 Static**



**Printed:** **Wed Aug 07 15:00:50 2019**



Data file: SCNMS1V - Calibrated 23 matches of 23 tested references

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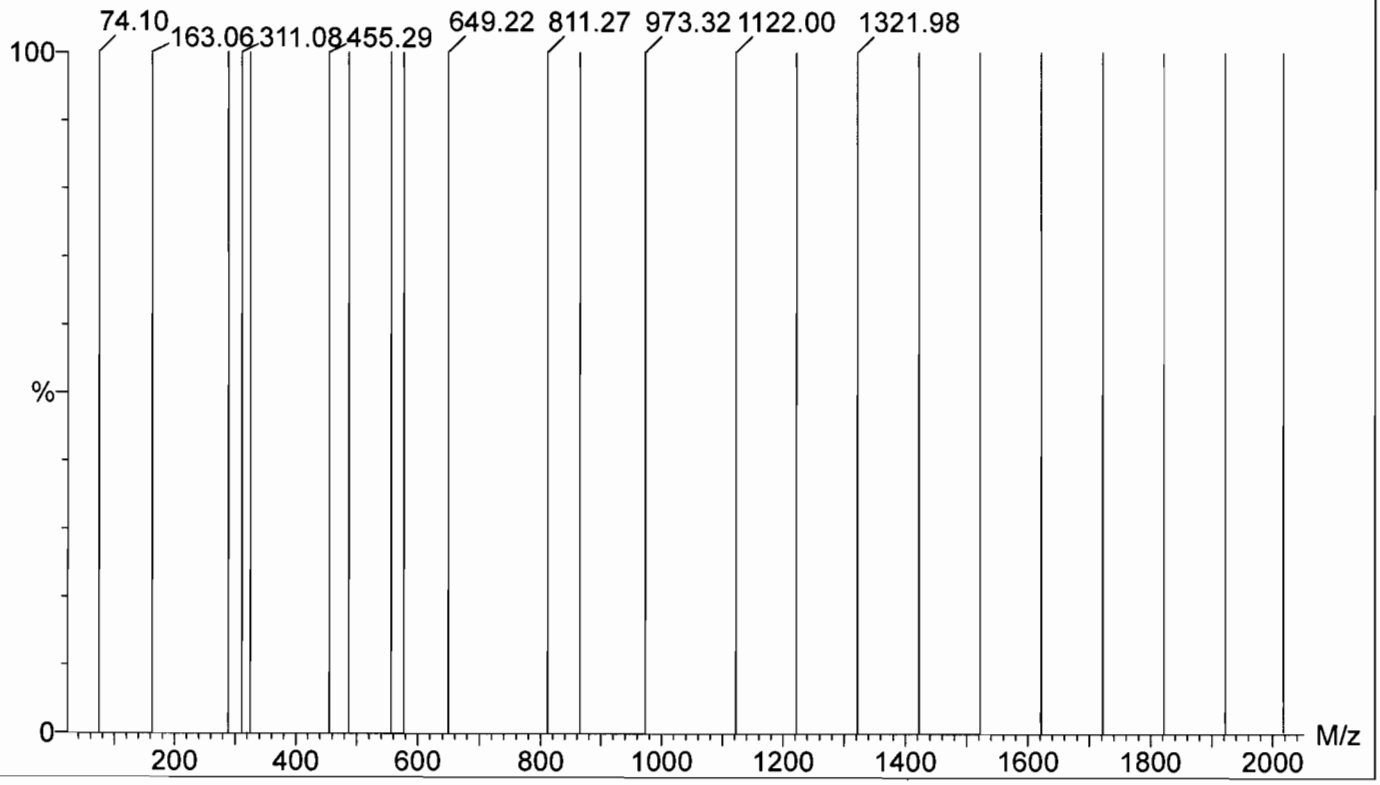
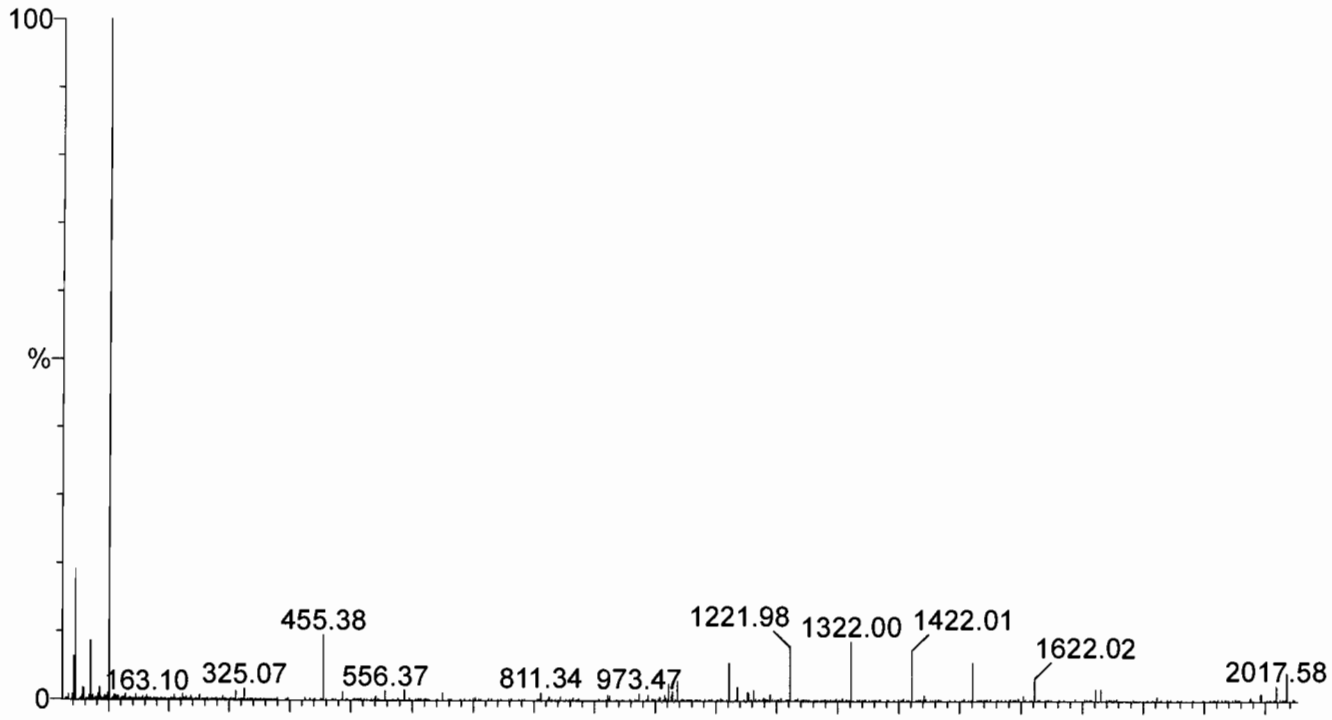


Data file: FASTMS1V - Calibrated 23 matches of 23 tested references

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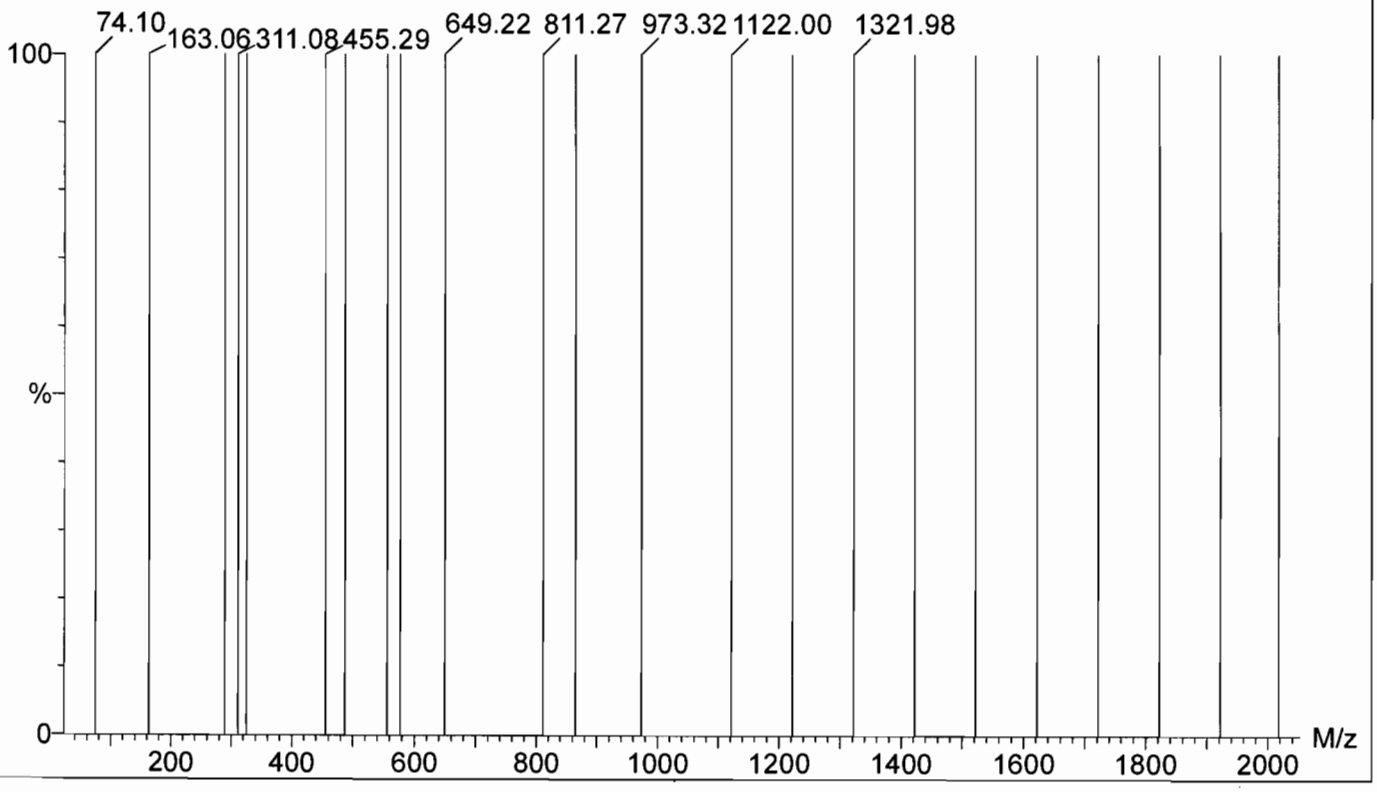
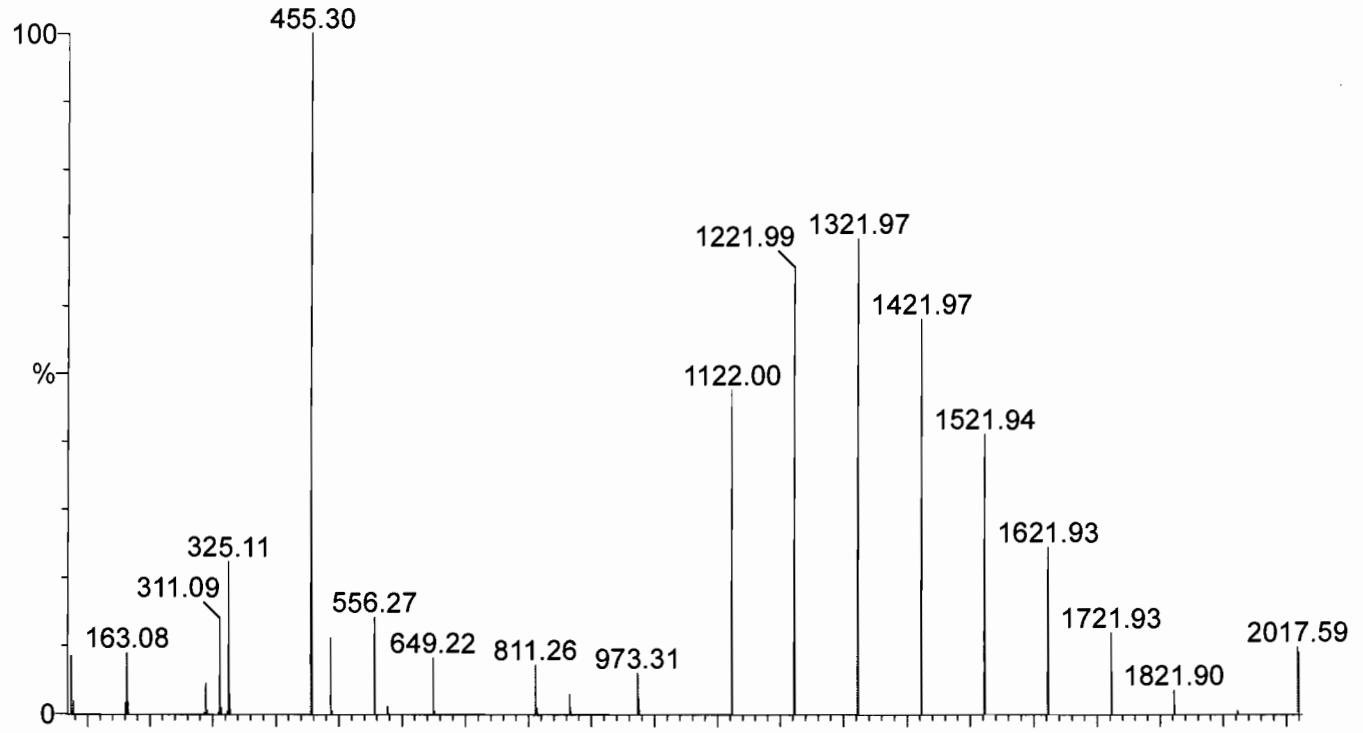


Data file: STATMS2V - Calibrated 23 matches of 23 tested references

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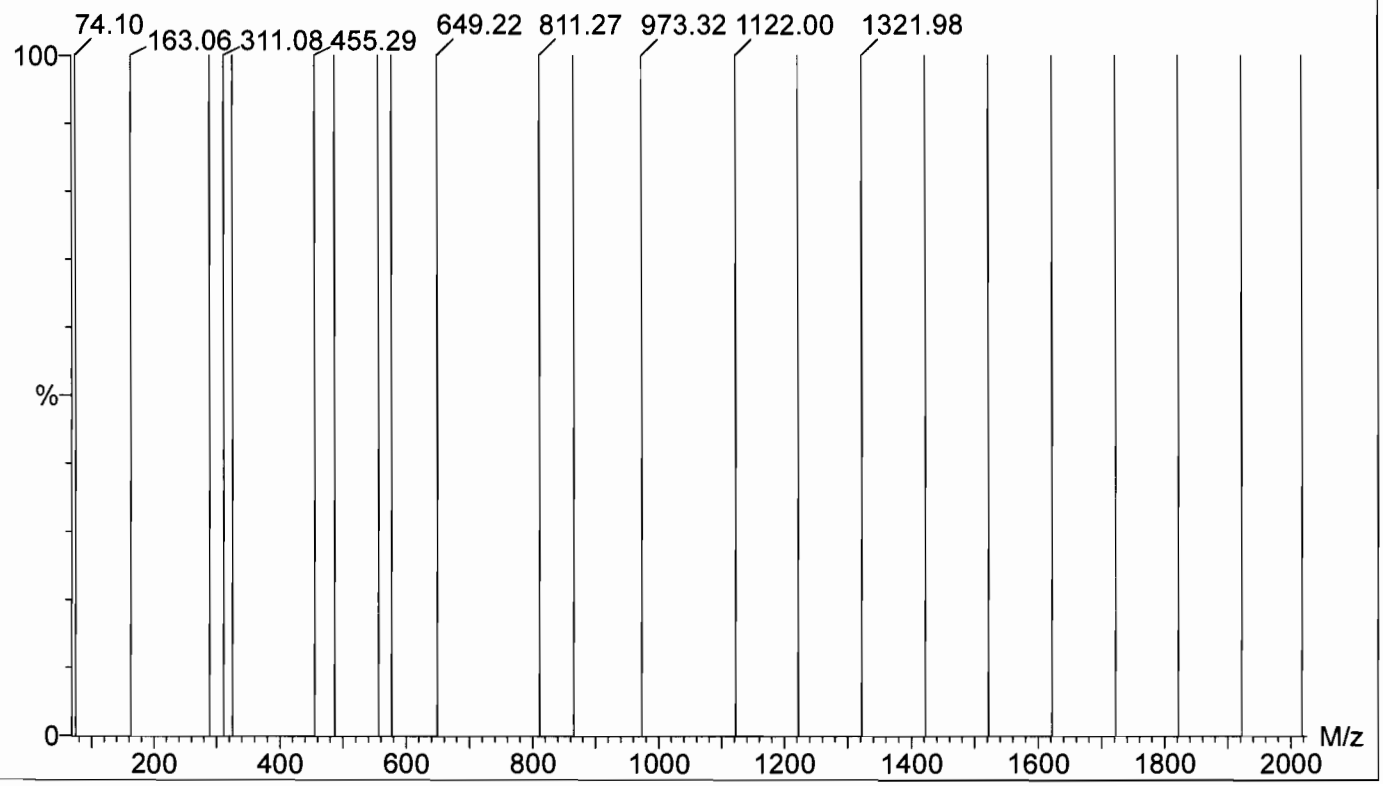
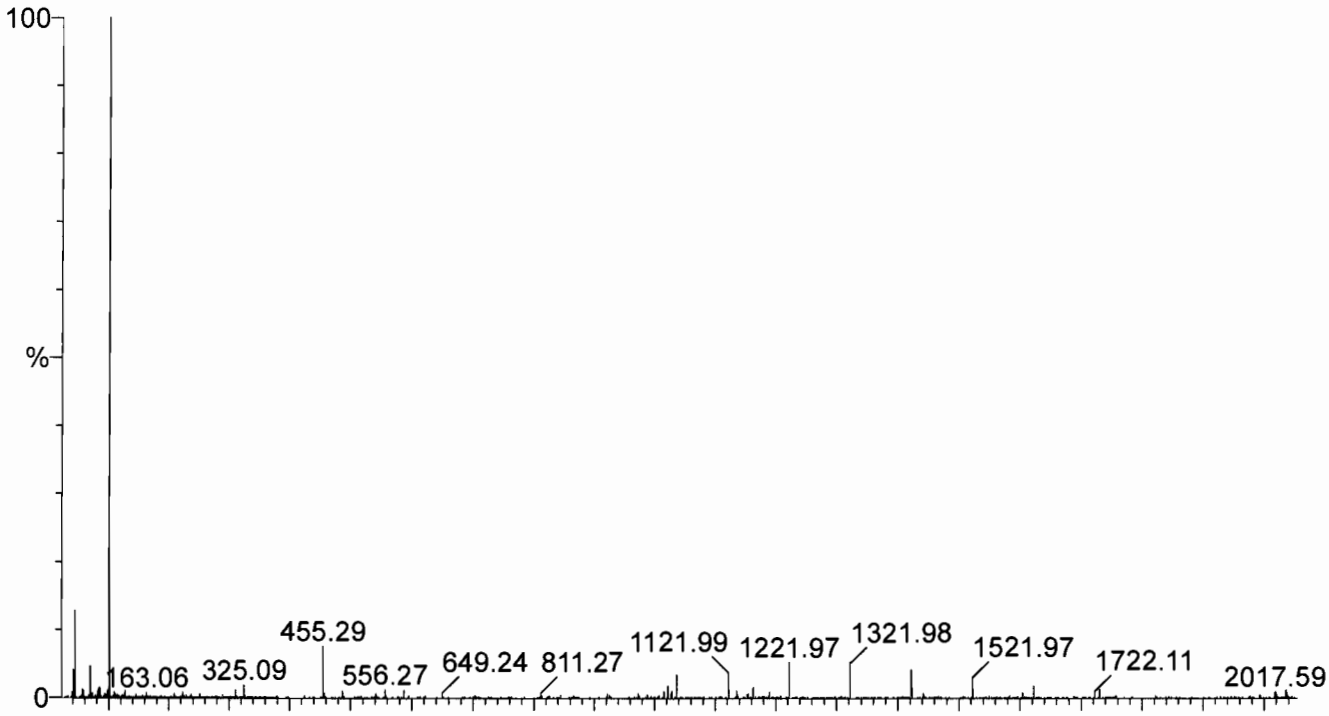


Data file: SCNMS2V - Calibrated 23 matches of 23 tested references

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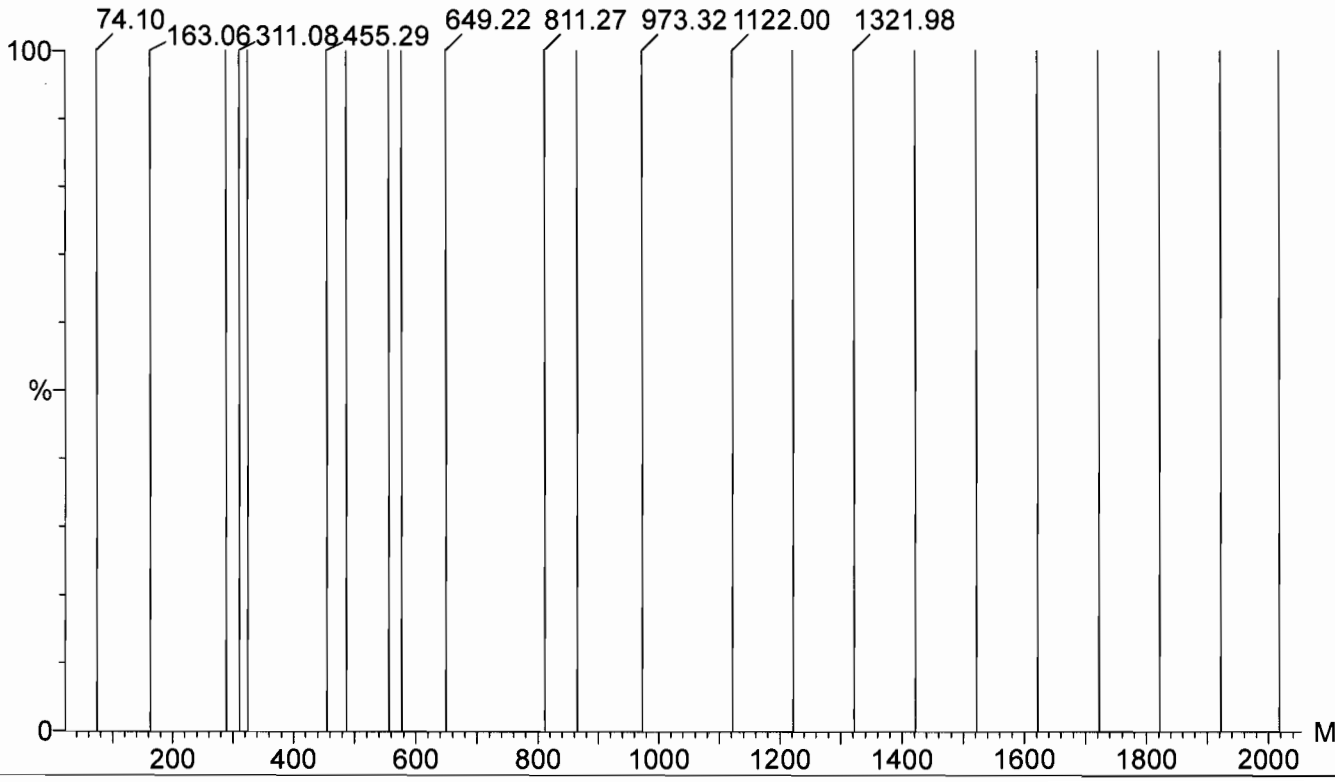

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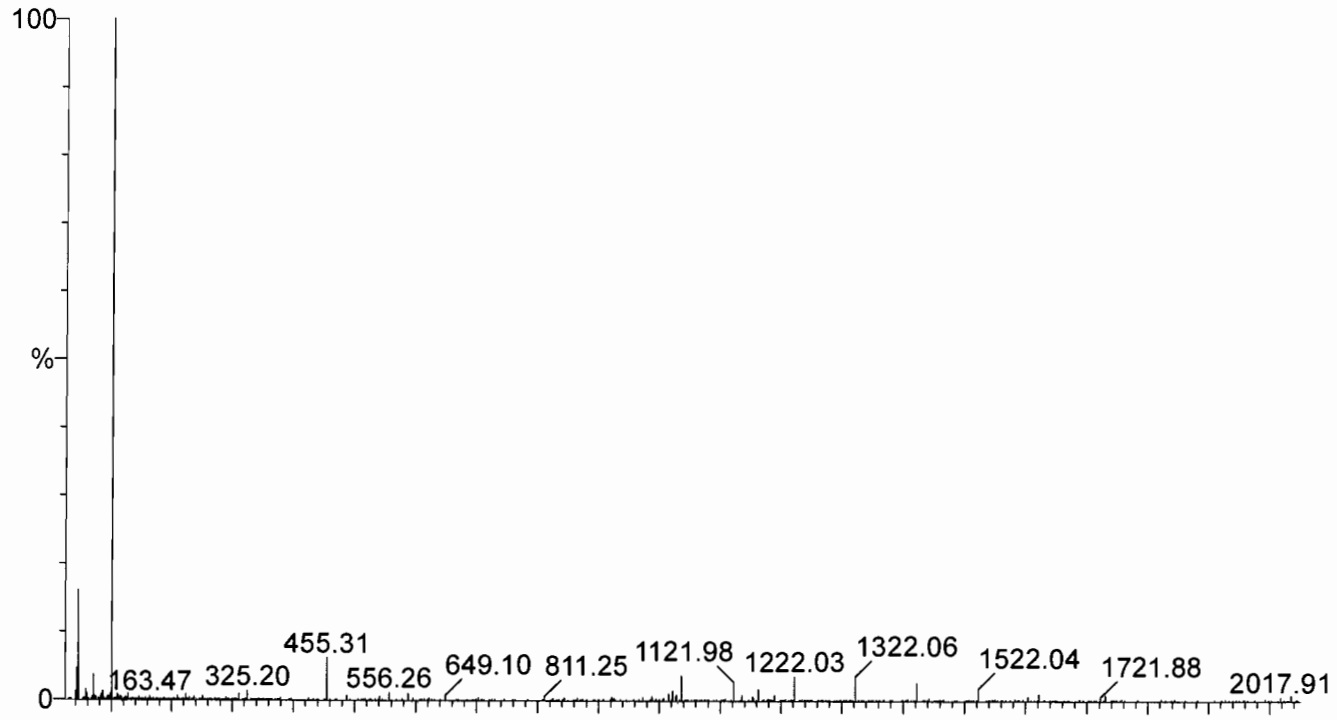


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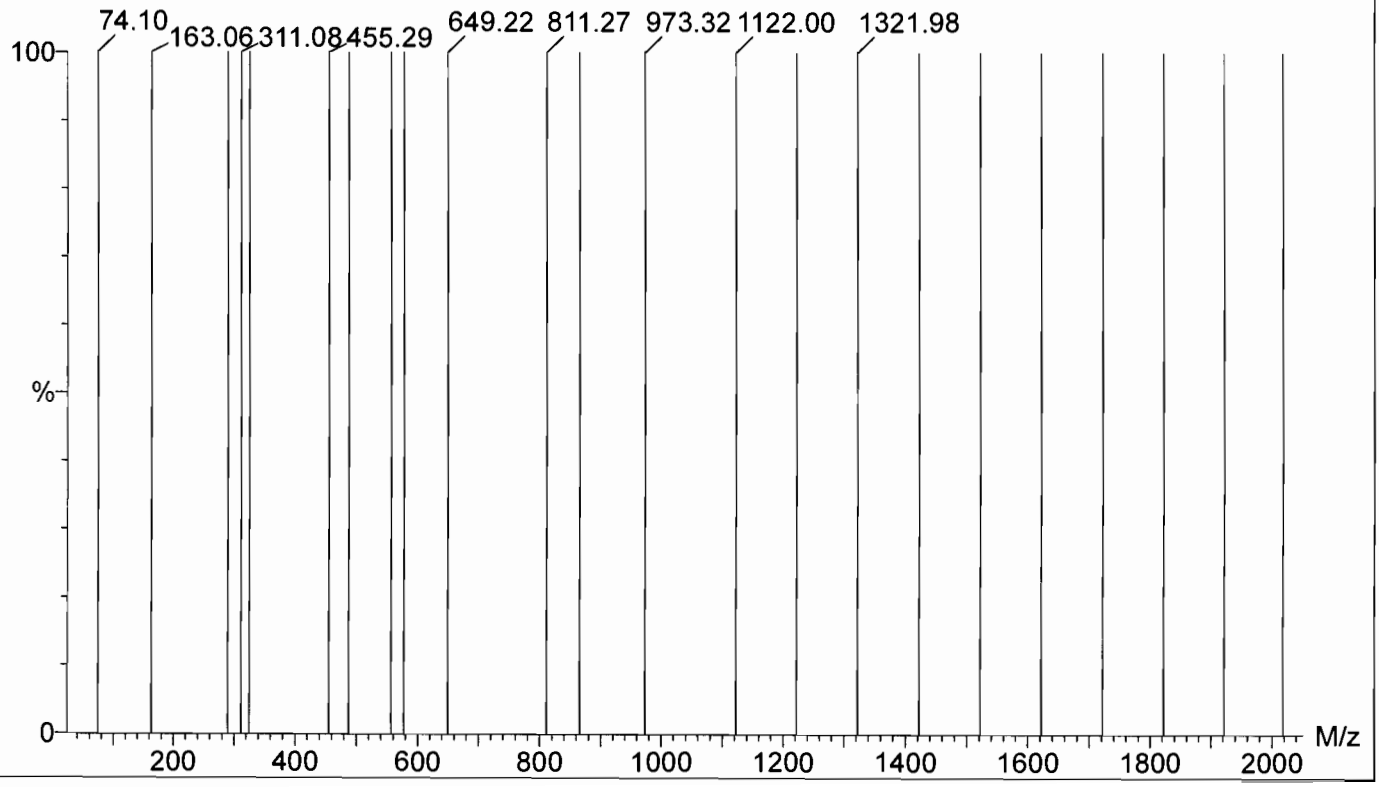


**STANDARDS**

**Analytical Standard Record**

**Vista Analytical Laboratory**

**19E2201**

**Parent Standards used in this standard:**

| Standard | Description | Prepared | Prepared By | Expires | (mls) |
|---|---|---|---|---|---|
| 18L2001 | 13C2-4:2 FTS | 20-Dec-18 | ** Vendor ** | 01-Sep-22 | 1.07 |
| 18L2002 | 13C2-6:2 FTS | 20-Dec-18 | ** Vendor ** | 22-Nov-23 | 1.05 |
| 18L2003 | 13C2-8:2 FTS | 20-Dec-18 | ** Vendor ** | 24-Jan-23 | 1.04 |
| 18L2004 | 13C3-PFBA | 20-Dec-18 | ** Vendor ** | 14-Dec-22 | 1 |
| 18L2005 | 13C2-PFDA | 20-Dec-18 | ** Vendor ** | 06-Dec-23 | 1 |
| 18L2006 | 13C2-PFUdA | 20-Dec-18 | ** Vendor ** | 11-May-23 | 1 |
| 18L2007 | 13C2-PFTeDA | 20-Dec-18 | ** Vendor ** | 30-Nov-22 | 1 |
| 18L2008 | 13C5-PFNA | 20-Dec-18 | ** Vendor ** | 14-Dec-22 | 1 |
| 18L2009 | 13C2-PFDoA | 20-Dec-18 | ** Vendor ** | 16-Feb-23 | 1 |
| 18L2010 | 13C4-PFHpA | 20-Dec-18 | ** Vendor ** | 06-Jul-23 | 1 |
| 18L2011 | 13C2-PFOA | 20-Dec-18 | ** Vendor ** | 10-Oct-23 | 1 |
| 18L2012 | 13C3-PFPeA | 20-Dec-18 | ** Vendor ** | 20-Apr-22 | 1 |
| 18L2013 | 13C8-FOSA-I | 20-Dec-18 | ** Vendor ** | 10-Oct-23 | 1 |
| 18L2014 | d3-N-Me-FOSAA | 20-Dec-18 | ** Vendor ** | 23-Aug-23 | 1 |
| 18L2015 | d5-N-EtFOSAA | 20-Dec-18 | ** Vendor ** | 23-Aug-23 | 1 |
| 18L2016 | 13C3-PFBS | 20-Dec-18 | ** Vendor ** | 10-Dec-23 | 1.075 |
| 18L2017 | 13C8-PFOS | 20-Dec-18 | ** Vendor ** | 20-Sep-23 | 1.045 |
| 18L2019 | 13C2-PFHxA | 20-Dec-18 | ** Vendor ** | 22-May-23 | 0.4 |
| 18L2020 | 13C2-PFHxDA | 20-Dec-18 | ** Vendor ** | 11-Oct-23 | 0.4 |
| 18L2027 | 13C3-PFHxS | 20-Dec-18 | ** Vendor ** | 20-Jun-23 | 1.06 |
| 18L2077 | 13C3-HFPO-DA | 20-Dec-18 | ** Vendor ** | 24-Oct-21 | 1 |

| | | | |
|---|---|---|---|
| Description: | PFC - IS | Expires: | 28-May-21 |
| Standard Type: | Reagent | Prepared: | 28-May-19 |
| Solvent: | MeOH | Prepared By: | Giana R. Bilotta |
| Final Volume (mls): | 40 | Department: | LCMS |
| Vials: | 1 | Last Edit: | 28-May-19 09:02 by GRB |

| Analyte | CAS Number | Concentration | Units |
|---|---|---|---|
| 13C3-PFBA | | 1.25 | ug/mL |
| 13C2-6:2 FTS | | 1.25 | ug/mL |
| 13C2-8:2 FTS | | 1.25 | ug/mL |
| 13C2-PFDA | | 1.25 | ug/mL |
| 13C2-PFDoA | | 1.25 | ug/mL |
| 13C2-PFHxA | | 0.5 | ug/mL |
| 13C2-PFHxDA | | 0.5 | ug/mL |
| 13C2-PFOA | | 1.25 | ug/mL |
| 13C2-PFTeDA | | 1.25 | ug/mL |
| 13C2-4:2 FTS | | 1.25 | ug/mL |
| 13C3-HFPO-DA | | 1.25 | ug/mL |
| d5-EtFOSAA | | 1.25 | ug/mL |

**Analytical Standard Record**

**Vista Analytical Laboratory**

**19E2201**

| | | | |
|---|---|---|---|
| Description: | PFC - IS | Expires: | 28-May-21 |
| Standard Type: | Reagent | Prepared: | 28-May-19 |
| Solvent: | MeOH | Prepared By: | Giana R. Bilotta |
| Final Volume (mls): | 40 | Department: | LCMS |
| Vials: | 1 | Last Edit: | 28-May-19 09:02 by GRB |

| Analyte | CAS Number | Concentration | Units |
|---|---|---|---|
| 13C3-PFBS | | 1.25 | ug/mL |
| 13C3-PFHxS | | 1.25 | ug/mL |
| 13C3-PFPeA | | 1.25 | ug/mL |
| 13C4-PFHpA | | 1.25 | ug/mL |
| 13C5-PFNA | | 1.25 | ug/mL |
| 13C8-PFOS | | 1.25 | ug/mL |
| 13C8-PFOSA | | 1.25 | ug/mL |
| d3-MeFOSAA | | 1.25 | ug/mL |
| 13C2-PFUnA | | 1.25 | ug/mL |

18L2001

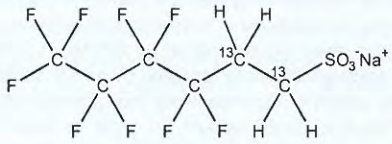
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M2-4:2FTS **LOT NUMBER:** M242FTS0817

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]hexane sulfonate

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_4H_4F_9SO_3Na$ | **MOLECULAR WEIGHT:** | 352.12 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 46.7 ± 2.3 µg/ml (M2-4:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 09/01/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 09/01/2022 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 4:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 4:2FTS and M2-4:2FTS will produce signals in the m/z 329 to m/z 309 channel during SRM analysis. We recommend using the m/z 329 to m/z 81 transition to monitor for M2-4:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

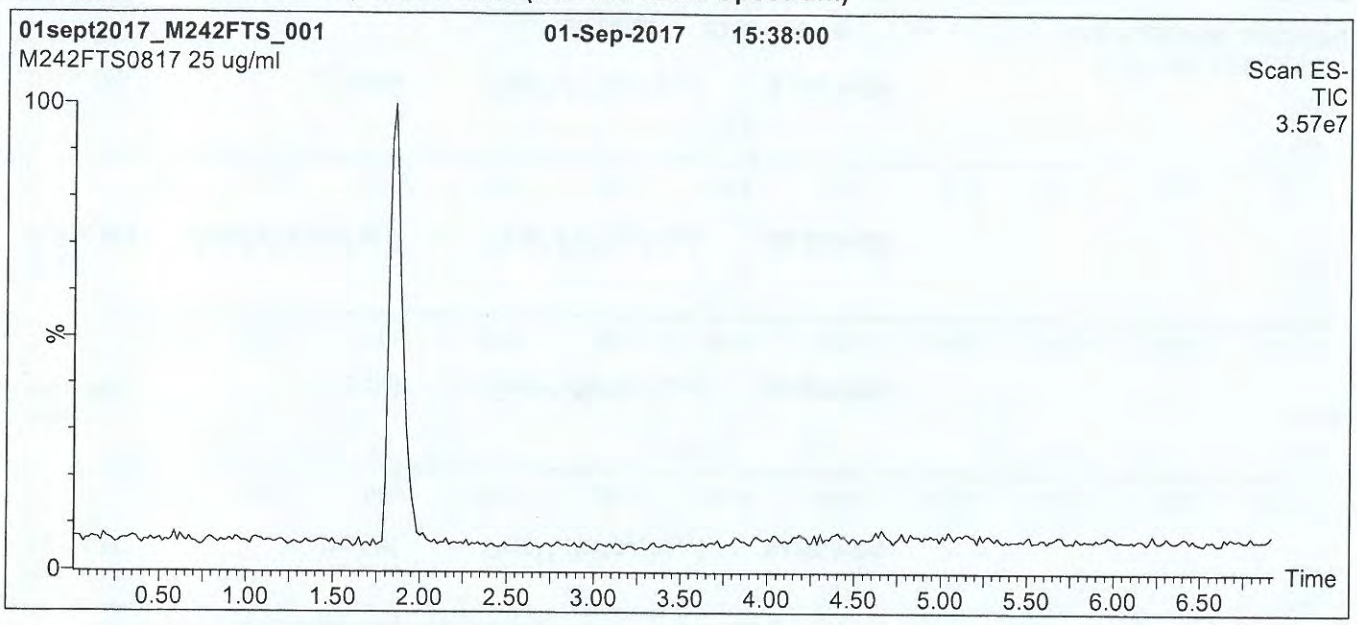
***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

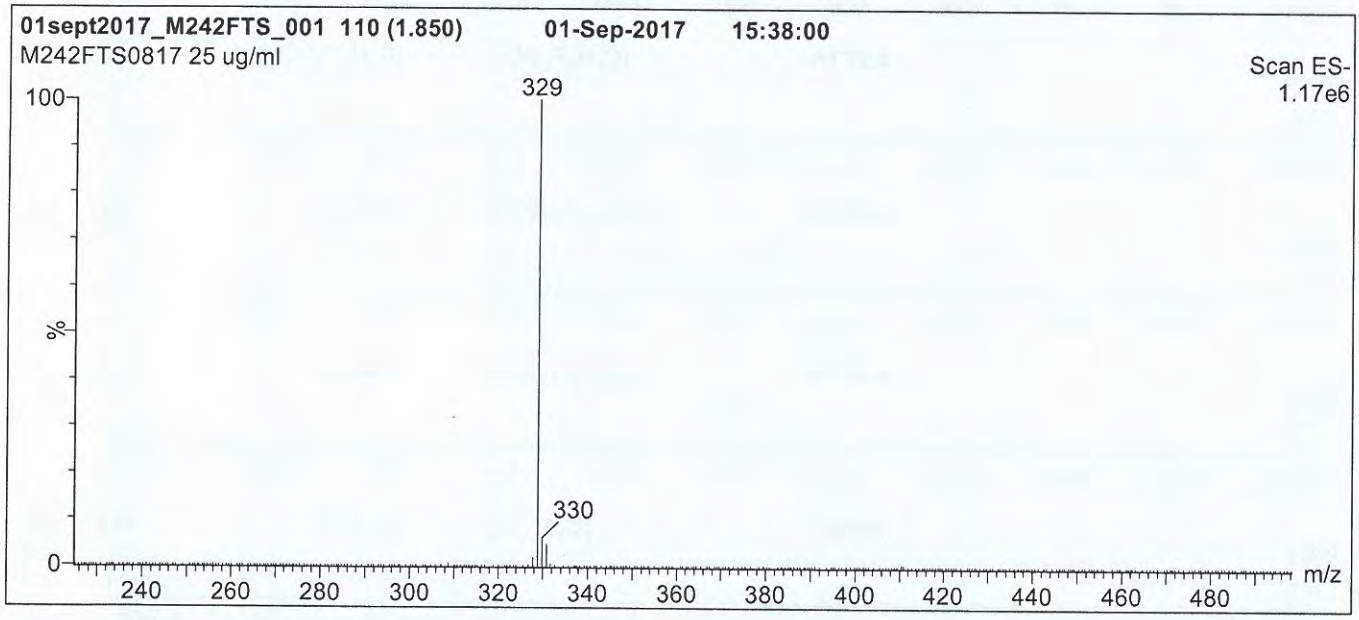
**Certified By:** _____ **Date:** 09/29/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

18L2001

**Figure 1:** **M2-4:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min
and hold for 1 min before returning
to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 25.00
Cone Gas Flow (l/hr) = 100
Desolvation Gas Flow (l/hr) = 750

18L2001

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

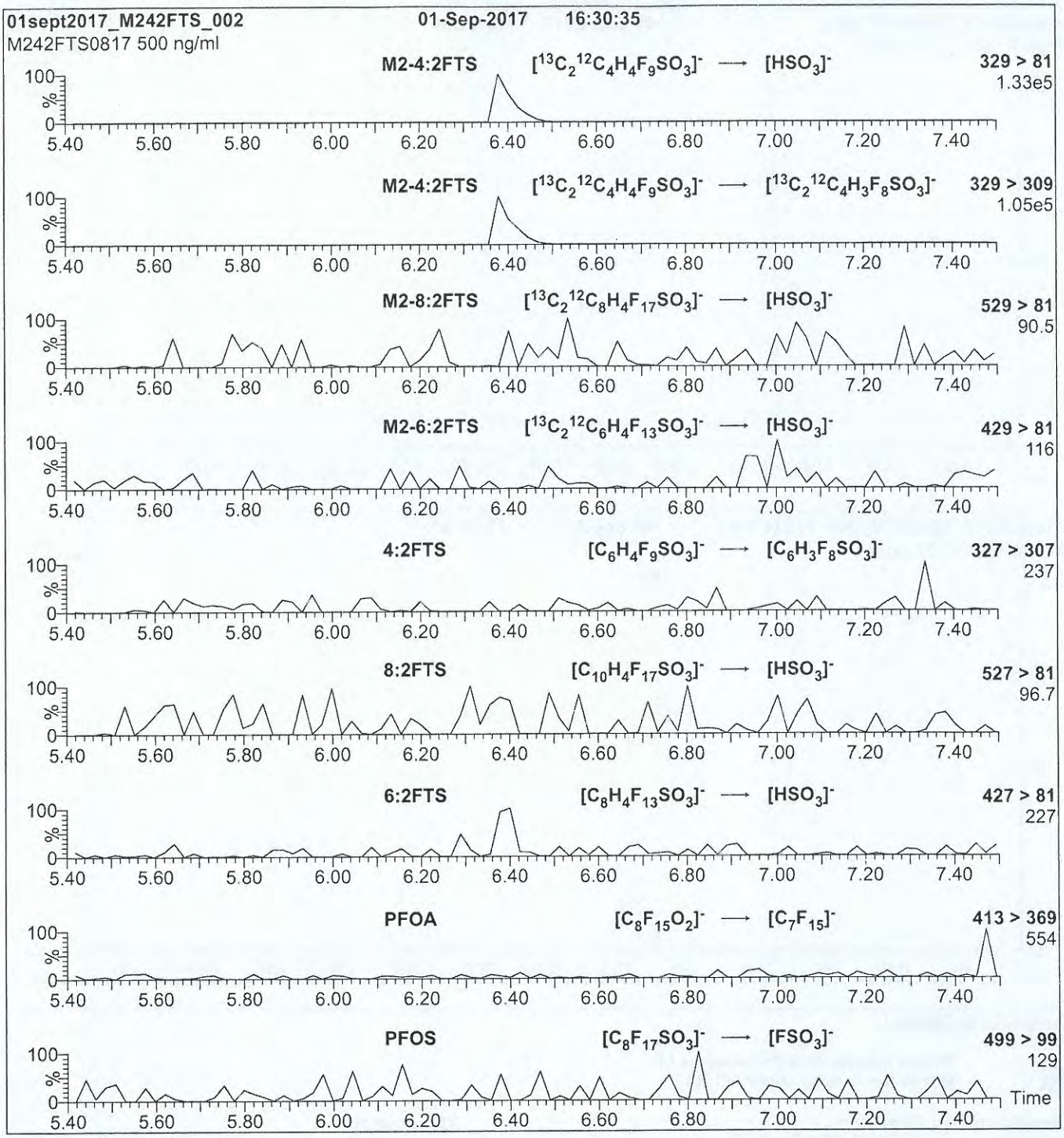
CALA Testing Accreditation No. A 1226

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812001

**Figure 2:** **M2-4:2FTS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M2-4:2FTS)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.28e-3
Collision Energy (eV) = 25

18L2002

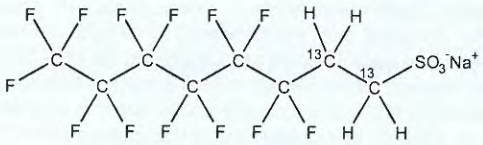
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M2-6:2FTS **LOT NUMBER:** M262FTS1118

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]octane sulfonate

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_6H_4F_{13}SO_3Na$ | **MOLECULAR WEIGHT:** | 452.13 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 47.5 ± 2.4 µg/ml (M2-6:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 11/22/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 11/22/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 6:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 6:2FTS and M2-6:2FTS will produce signals in the m/z 429 to m/z 409 channel during SRM analysis. We recommend using the m/z 429 to m/z 81 transition to monitor for M2-6:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 11/26/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2002

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

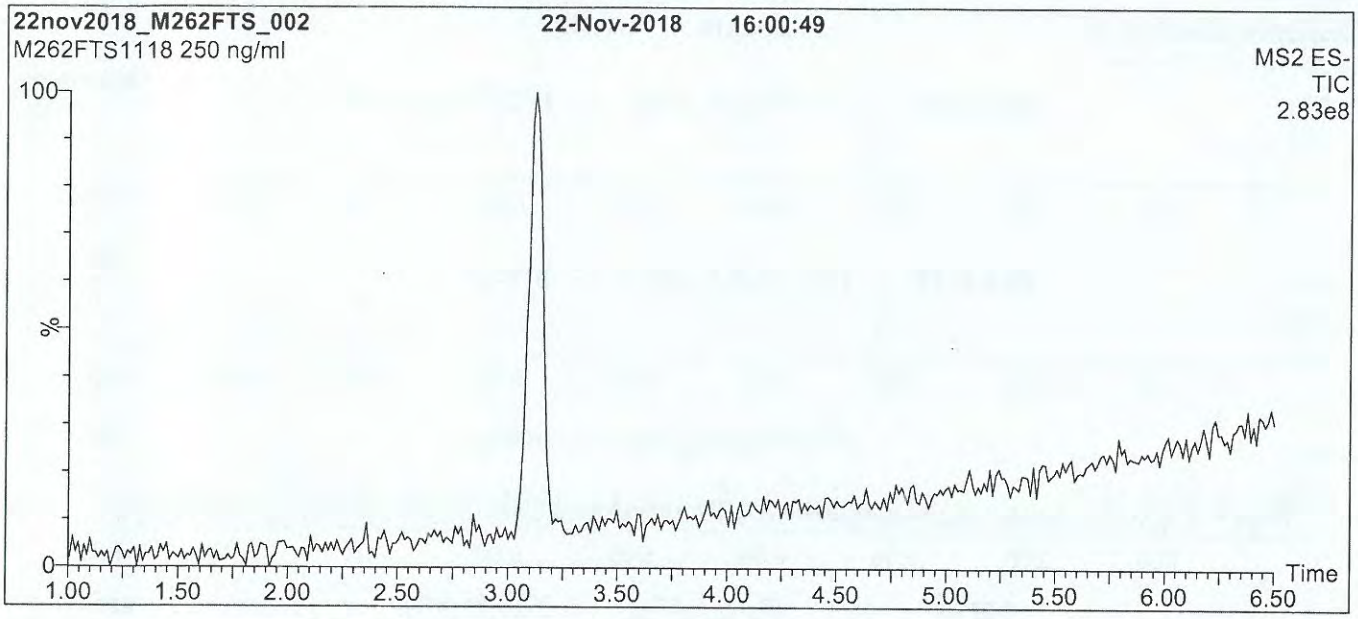
CALA Testing Accreditation No. A1226

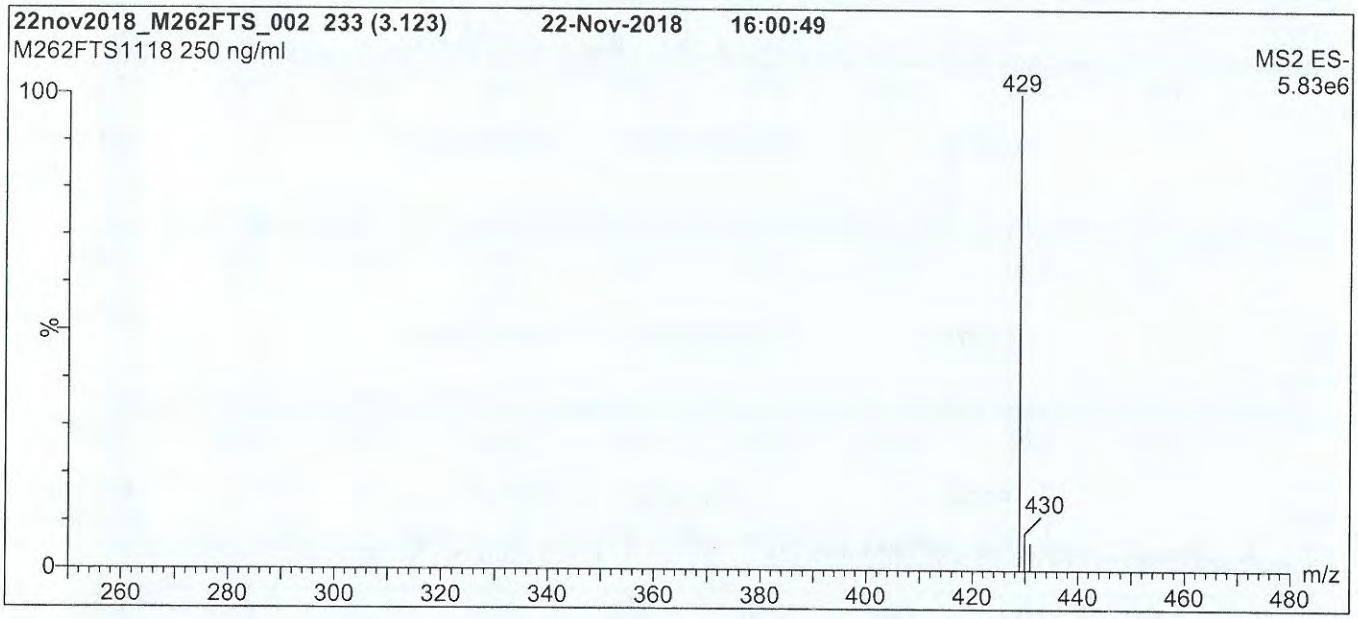
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

18L2002

**Figure 1:** **M2-6:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

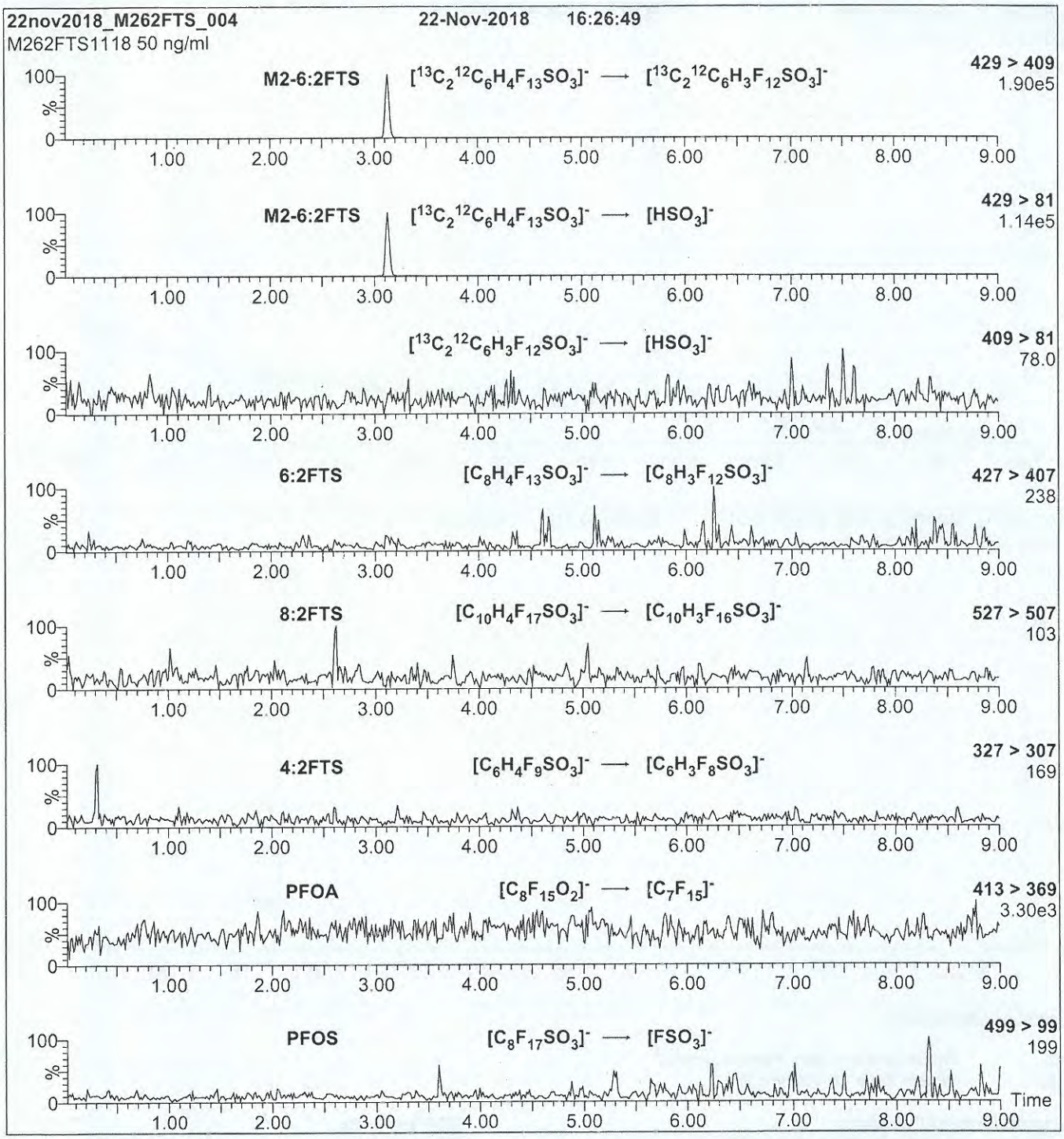
**MS Parameters**

Experiment: Full Scan (250 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 25.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

1812002

**Figure 2:** **M2-6:2FTS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M2-6:2FTS)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 20

18L2003

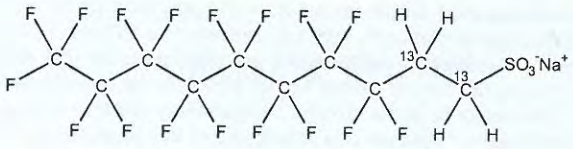
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M2-8:2FTS **LOT NUMBER:** M282FTS0118

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]decane sulfonate

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_8H_4F_{17}SO_3Na$ | **MOLECULAR WEIGHT:** | 552.15 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 47.9 ± 2.4 µg/ml (M2-8:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 01/24/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 01/24/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 8:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 8:2FTS and M2-8:2FTS will produce signals in the m/z 529 to m/z 509 channel during SRM analysis. We recommend using the m/z 529 to m/z 81 transition to monitor for M2-8:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 01/26/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

*Form#:27, Issued 2004-11-10*
*Revision#:5, Revised 2018-01-22*

18L2003

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

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$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

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## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA Testing Accreditation No. A 1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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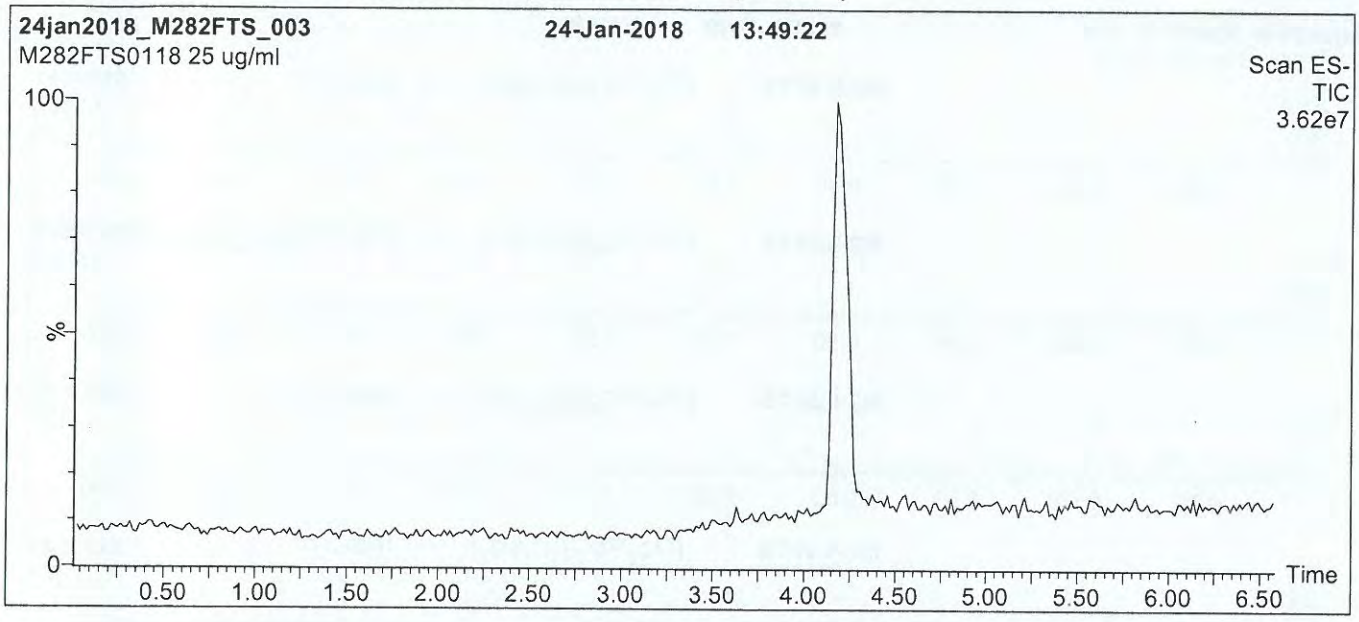
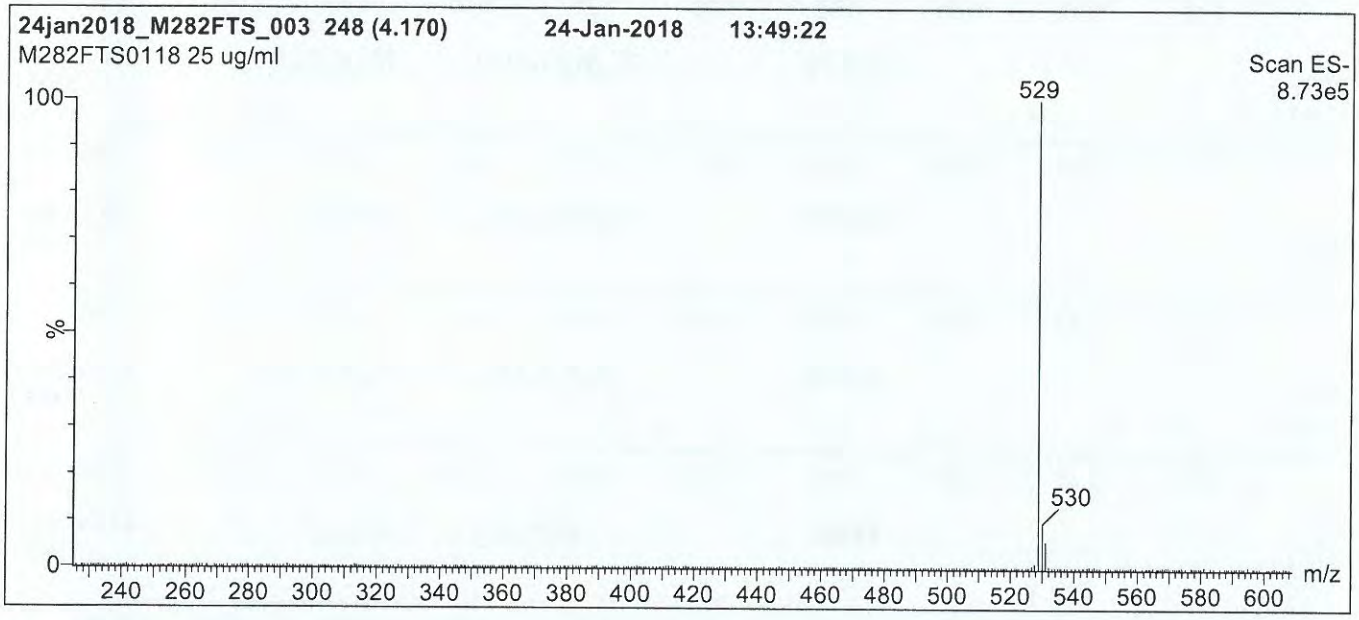
18L2003

**Figure 1:** **M2-8:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for 2 min
before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

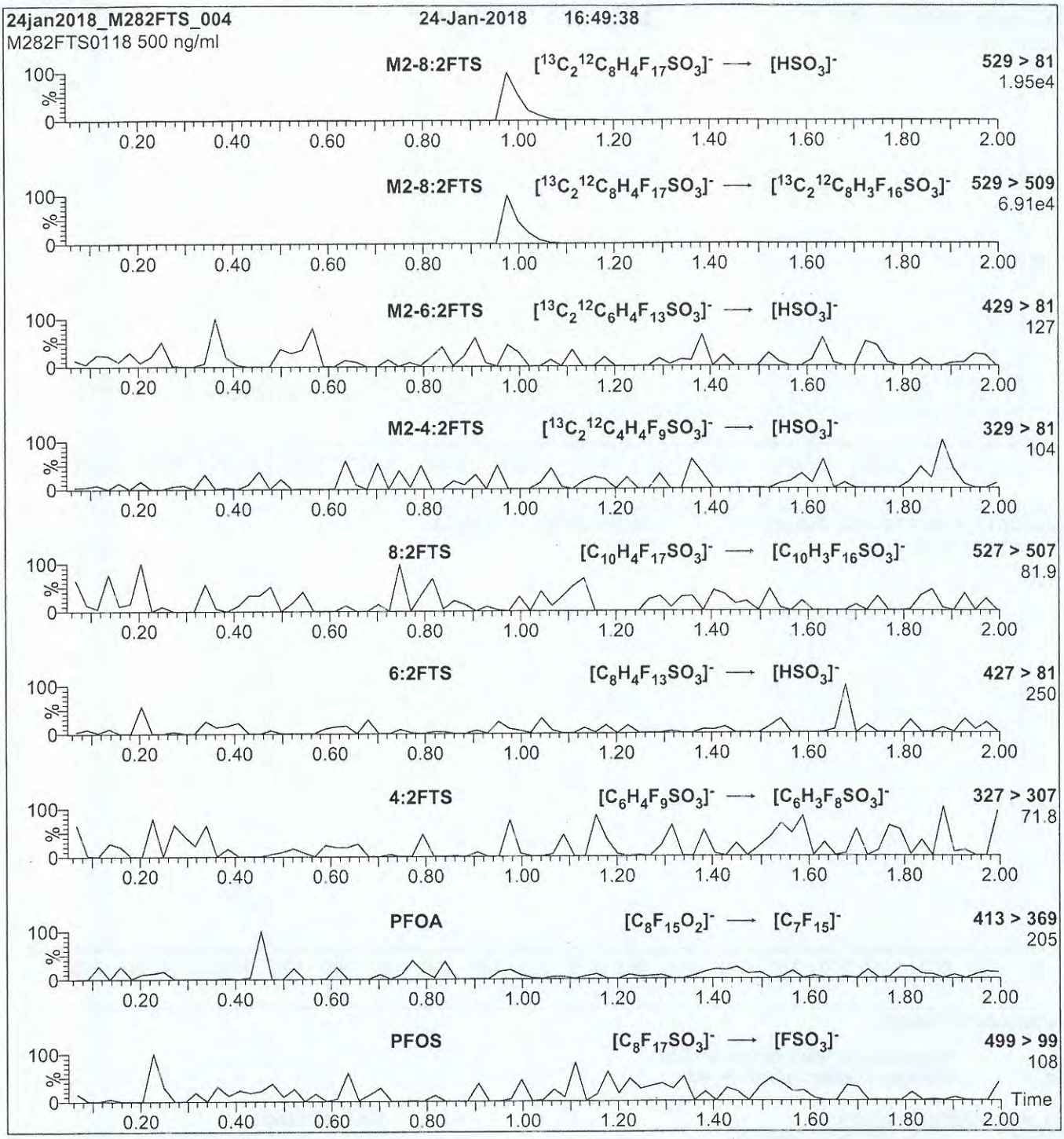
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source:Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 30.00
Cone Gas Flow (l/hr) = 100
Desolvation Gas Flow (l/hr) = 750

1812003

**Figure 2:** **M2-8:2FTS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M2-8:2FTS)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

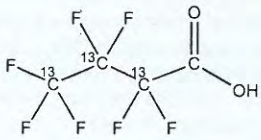
Collision Gas (mbar) = 3.43e-3
Collision Energy (eV) = 25

18L2004

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M3PFBA | **LOT NUMBER:** | M3PFBA1217 |
| **COMPOUND:** | Perfluoro-n-[2,3,4-$^{13}C_3$]butanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_3{}^{12}CHF_7O_2$ | **MOLECULAR WEIGHT:** | 217.02 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($2,3,4\text{-}^{13}C_3$) |
| **LAST TESTED:** (mm/dd/yyyy) | 12/14/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 12/14/2022 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains ~ 0.2% of perfluoro-n-[$^{13}C_3$]propanoic acid and also contains ~ 1.0% of perfluoro-n-[1,2,3,4-$^{13}C_4$]butanoic acid due to the naturally occurring isotopic abundance of $^{13}C$ in the unlabelled carbon atom.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 12/22/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2004

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA Testing Accreditation No. A 1226

ANAB ACCREDITED Accreditation No. AR-1523 REFERENCE MATERIAL PRODUCER

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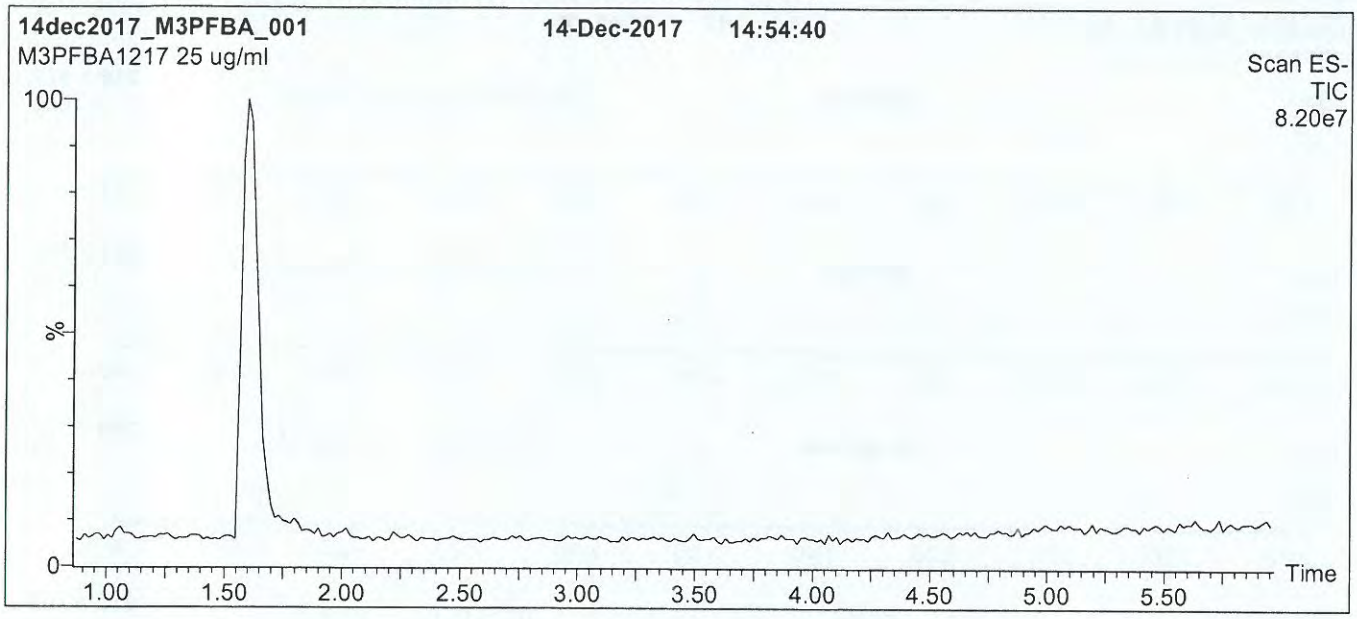
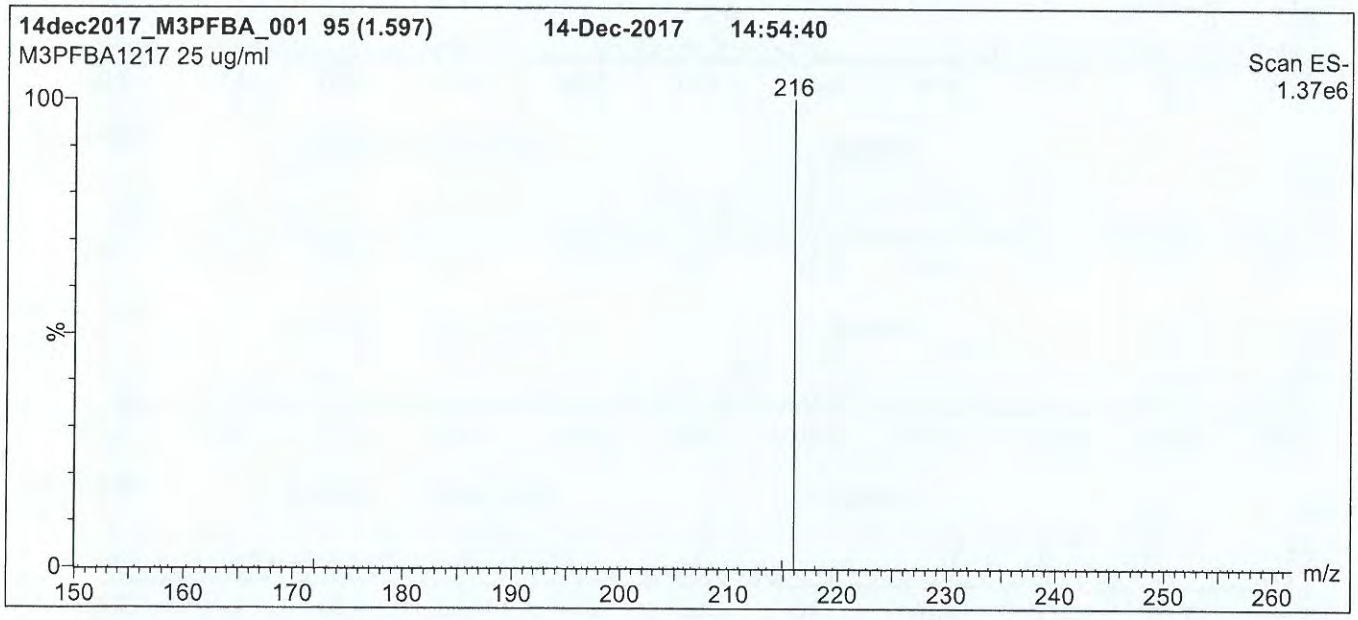
1812004

**Figure 1:** **M3PFBA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 30% (80:20 MeOH:ACN) / 70% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for 1.5 min before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

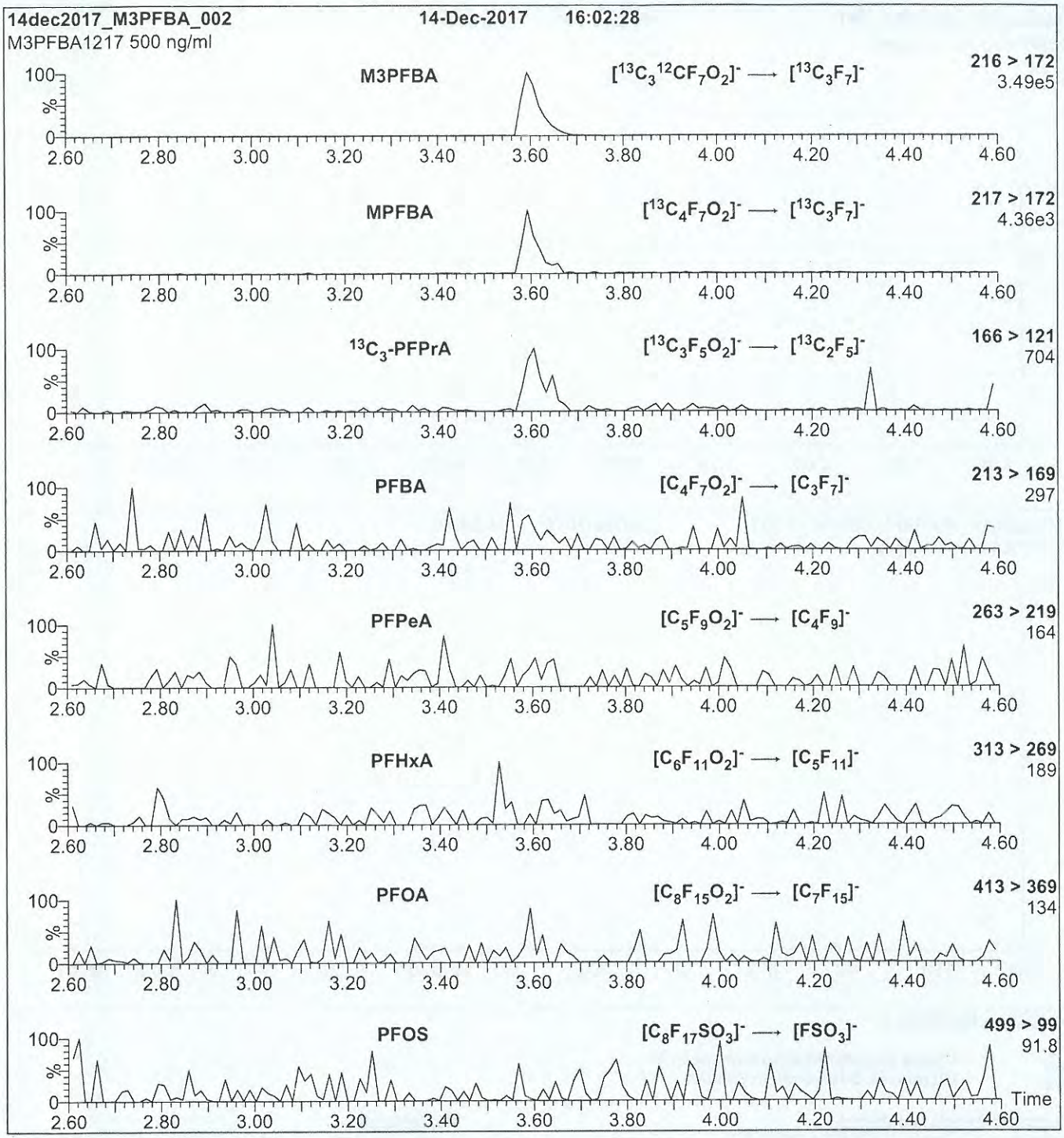
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 10.00
Cone Gas Flow (l/hr) = 100
Desolvation Gas Flow (l/hr) = 750

18L2004

**Figure 2:** **M3PFBA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M3PFBA)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

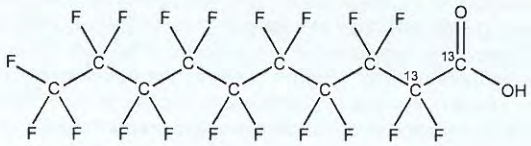
Collision Gas (mbar) = 3.39e-3
Collision Energy (eV) = 10

18L2005

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | MPFDA | **LOT NUMBER:** | MPFDA1218 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]decanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_8HF_{19}O_2$ | **MOLECULAR WEIGHT:** | 516.07 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$<br>(1,2-$^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 12/06/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 12/06/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 12/10/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812005

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

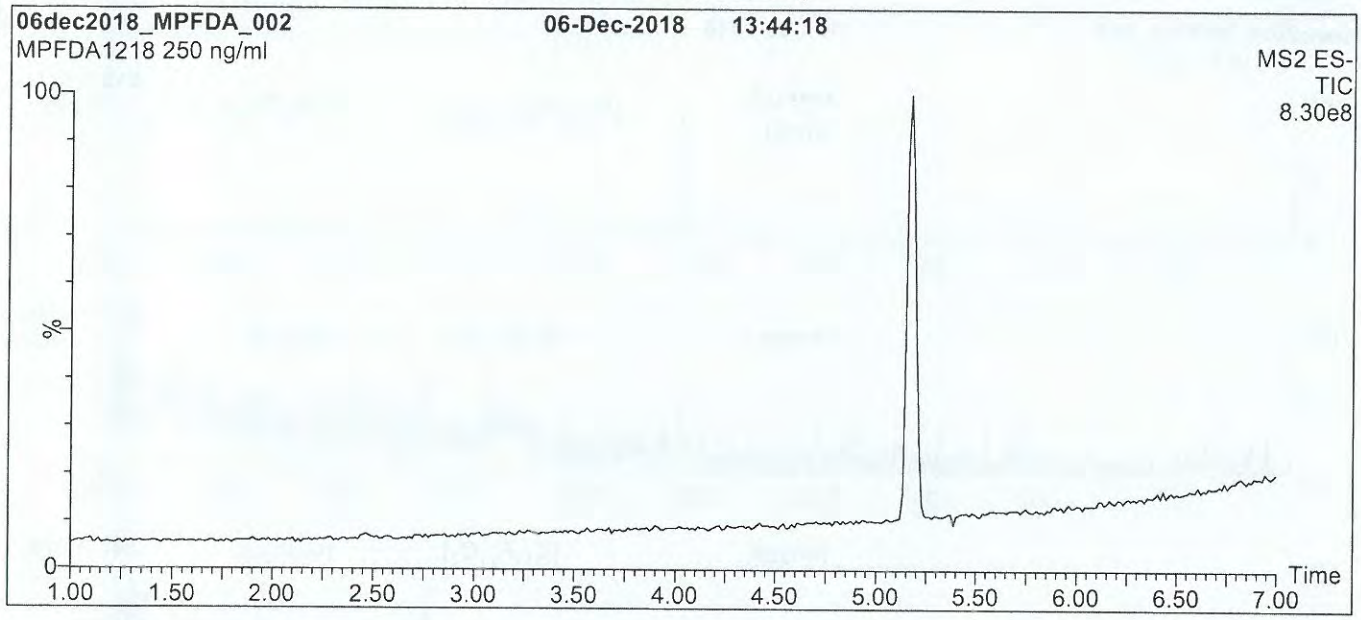
CALA Testing Accreditation No. A 1226

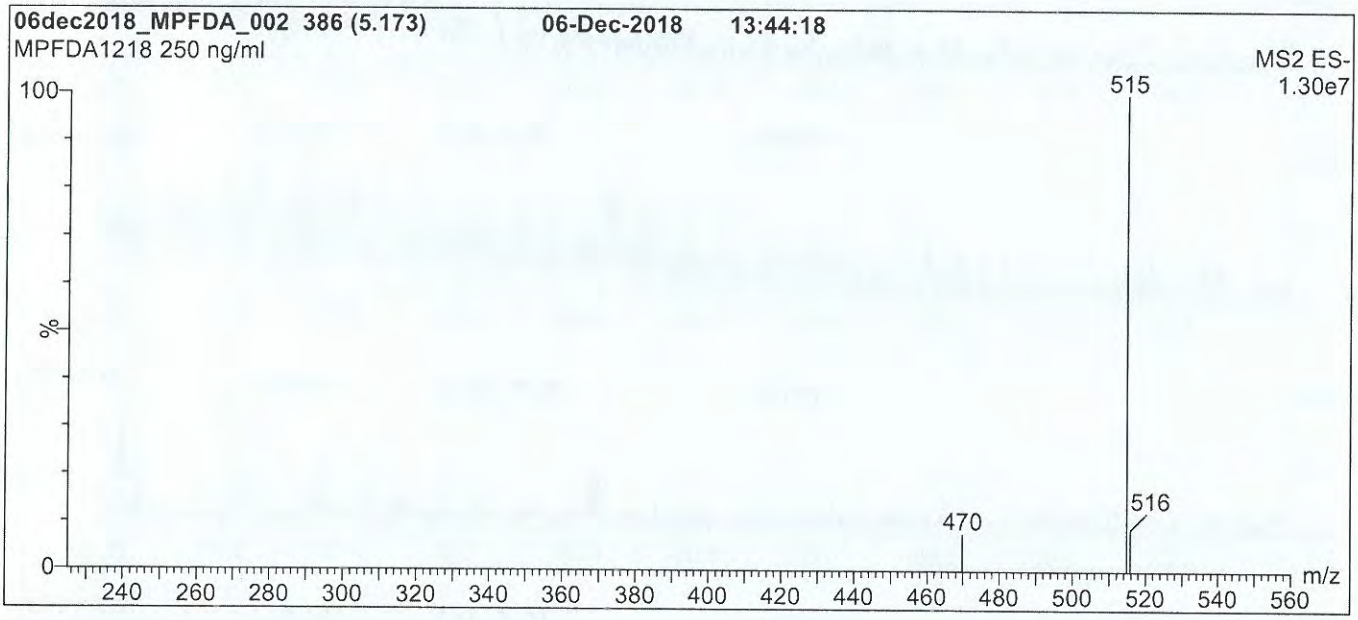
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812005

**Figure 1:** **MPFDA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

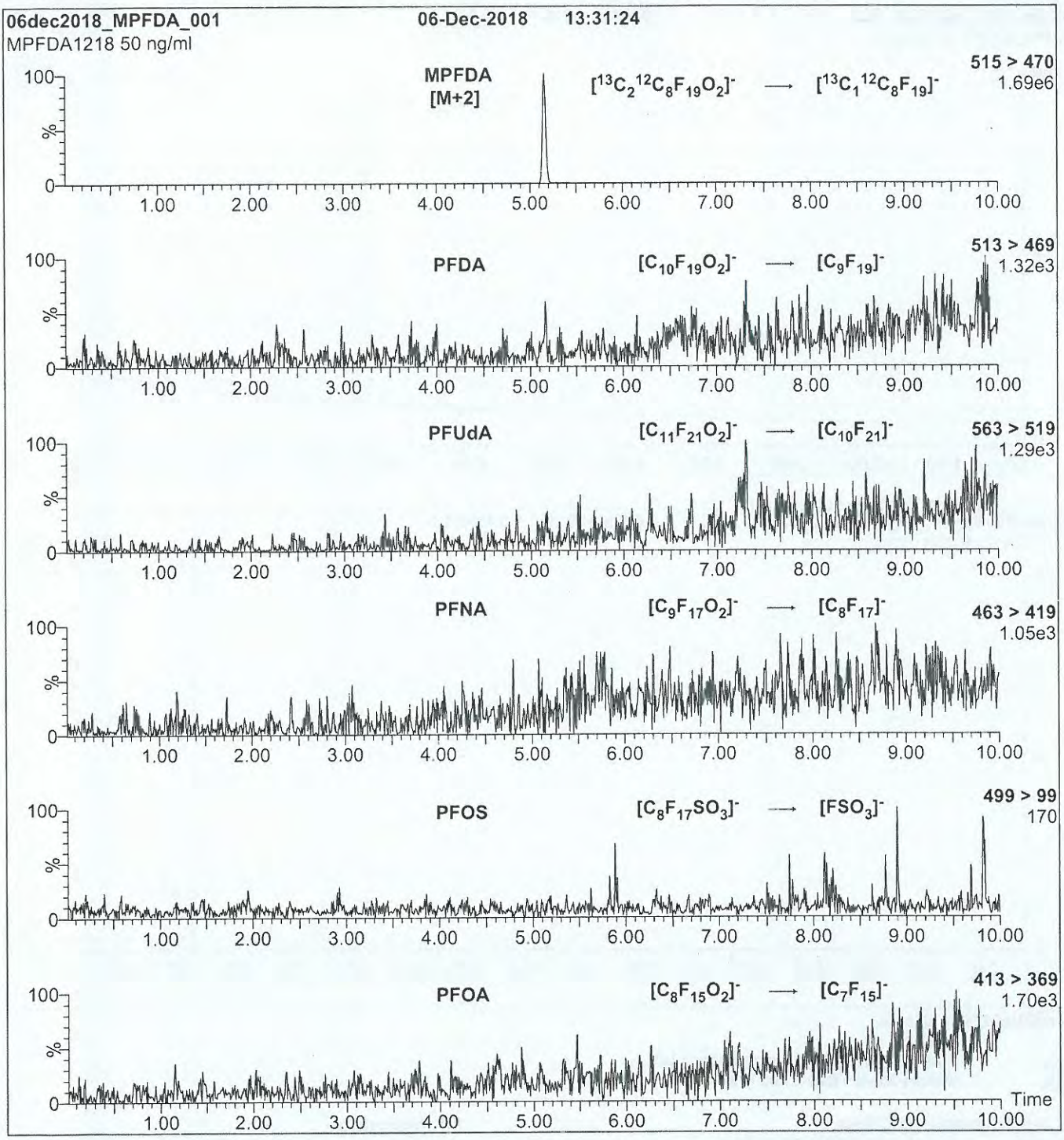
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

1812005

**Figure 2:** **MPFDA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (MPFDA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

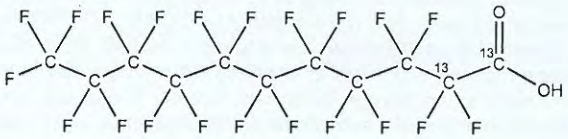
Collision Gas (mbar) = 3.27e-3
Collision Energy (eV) = 10

18L2006

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | MPFUdA | **LOT NUMBER:** | MPFUdA0518 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]undecanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_9HF_{21}O_2$ | **MOLECULAR WEIGHT:** | 566.08 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 05/11/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 05/11/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Presence of 1-$^{13}C_1$-PFUdA (~1%; see Figure 2), 2-$^{13}C_1$-PFUdA (~1%), and PFUdA (~0.2%; see Figure 2) are due to the isotopic purity of the $^{13}C$-precursor.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 05/25/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

1812006

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

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## QUALITY MANAGEMENT:

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CALA Testing Accreditation No. A 1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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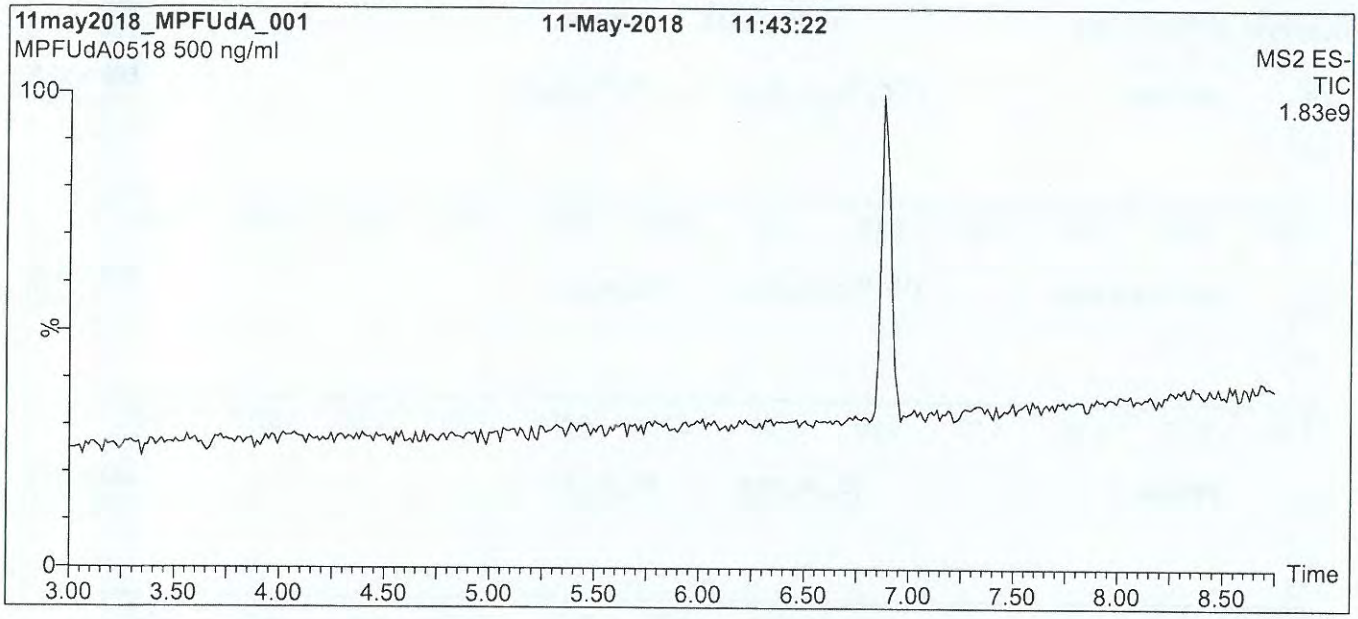
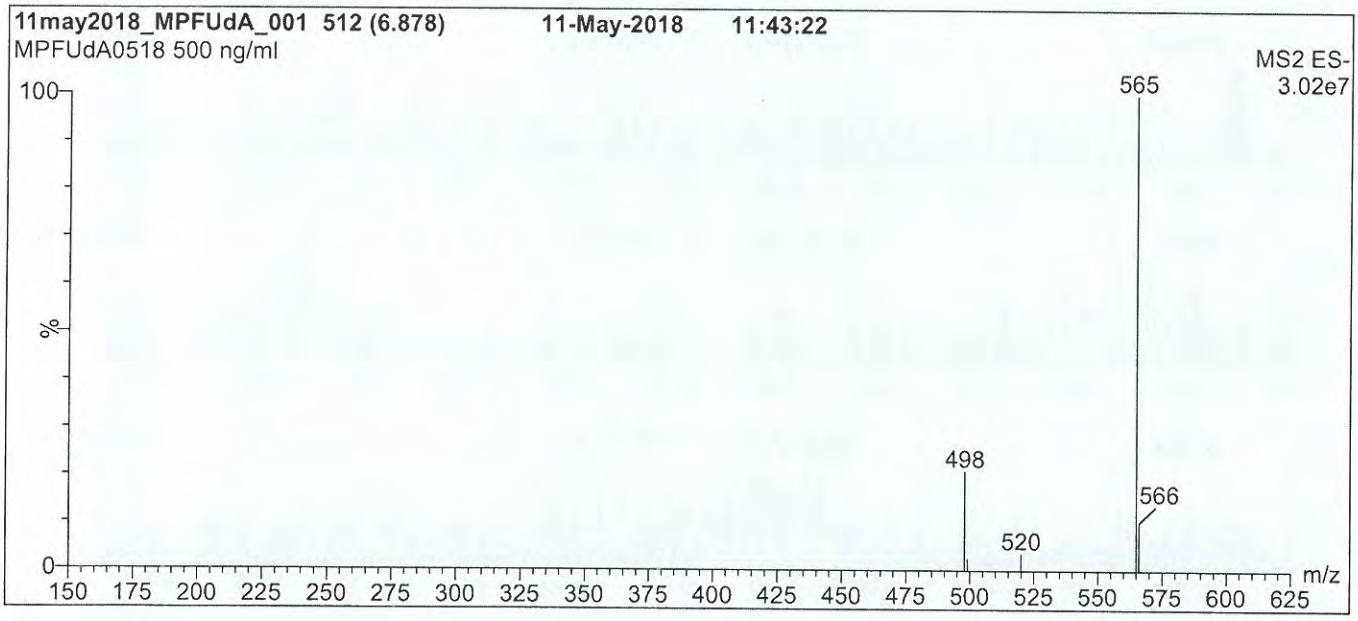
18L2006

**Figure 1:** **MPFUdA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 80% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

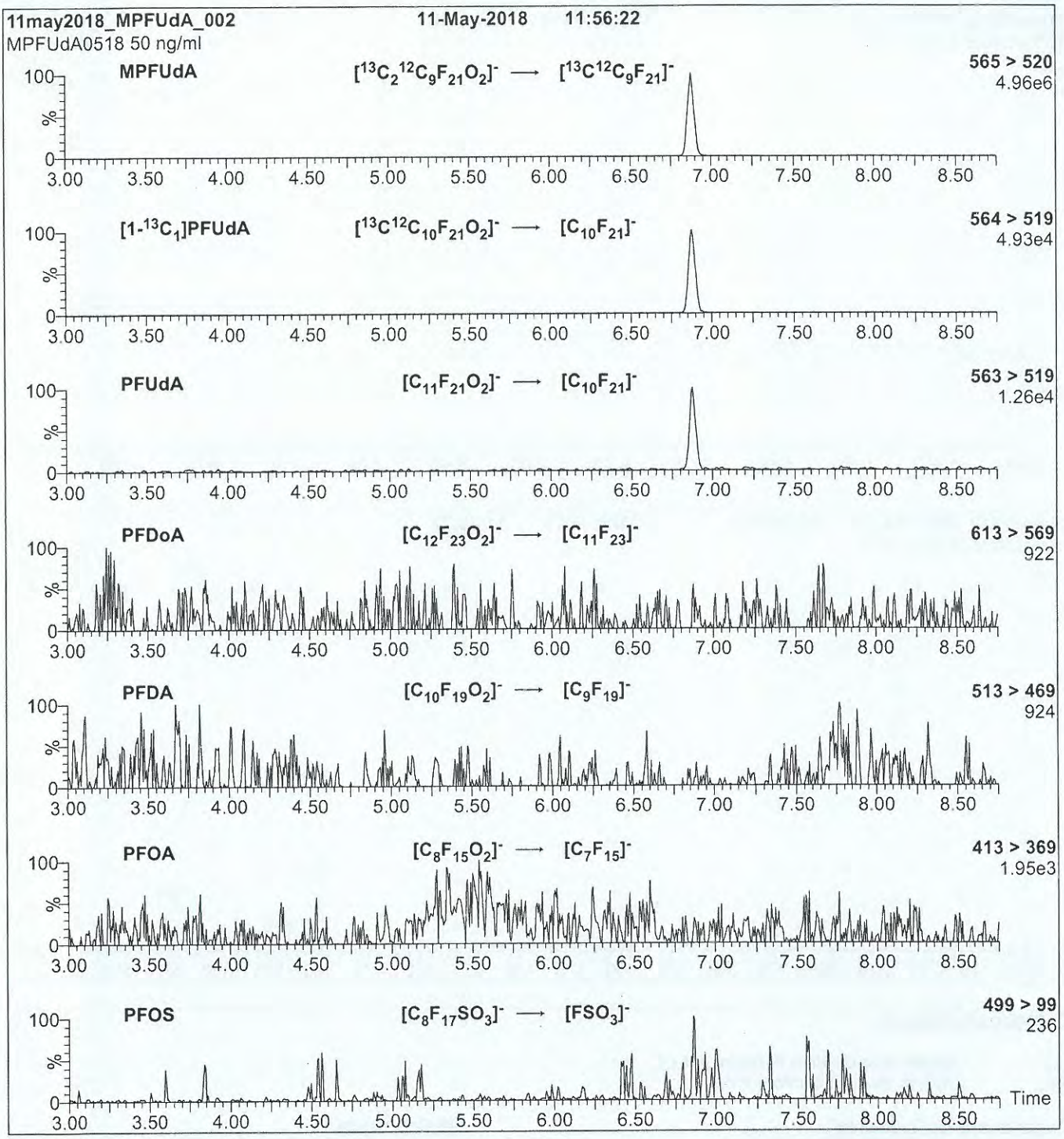
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 5.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

18L2006

**Figure 2:** **MPFUdA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (MPFUdA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

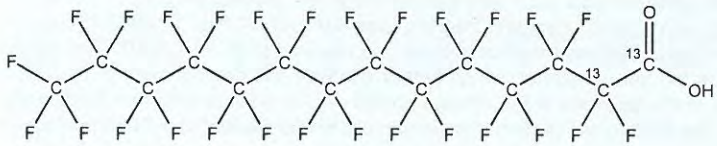
Collision Gas (mbar) = 3.51e-3
Collision Energy (eV) = 12

18L2007

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M2PFTeDA | **LOT NUMBER:** | M2PFTeDA1117 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]tetradecanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_{12}HF_{27}O_2$ | **MOLECULAR WEIGHT:** | 716.10 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 11/30/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 11/30/2022 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 12/01/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

1812007

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

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$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

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## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

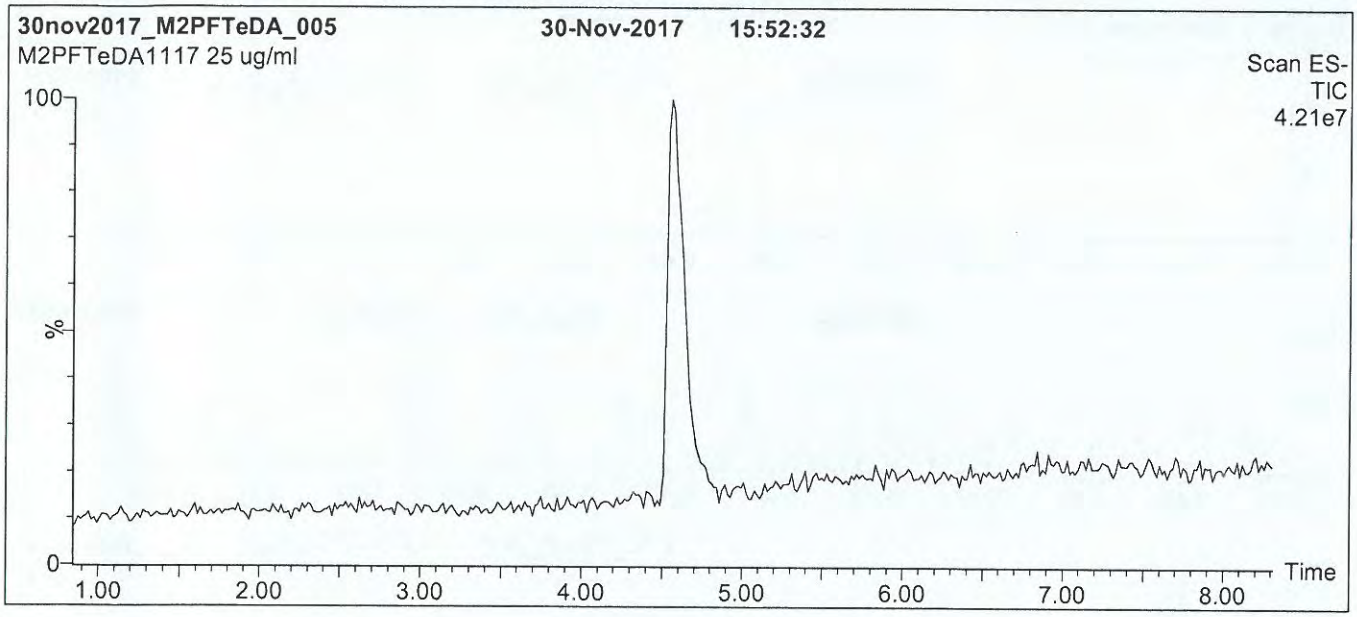
CALA Testing Accreditation No. A1226

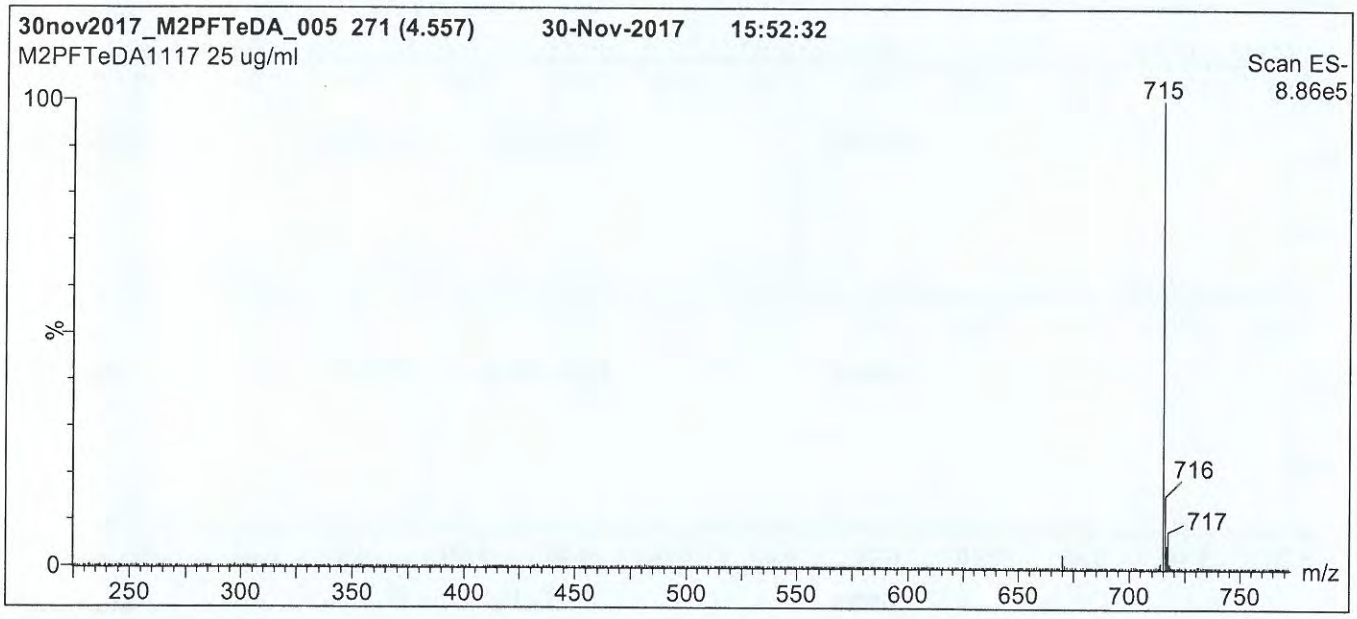
ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1862007

**Figure 1:** **M2PFTeDA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 65% (80:20 MeOH:ACN) / 35% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7.5 min and hold for 1.5 min before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

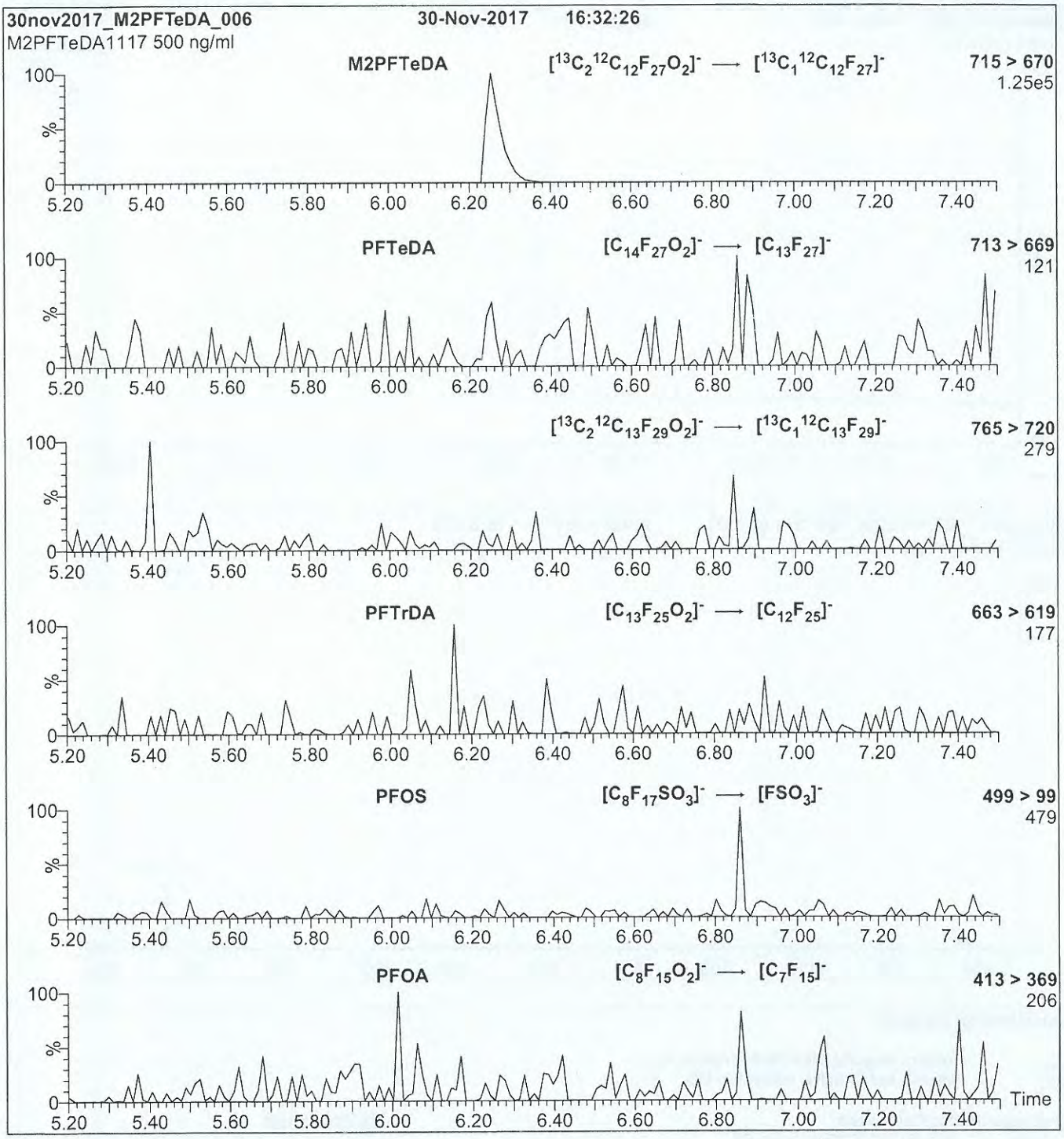
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 15.00
Cone Gas Flow (l/hr) = 100
Desolvation Gas Flow (l/hr) = 750

18L2007

**Figure 2:** **M2PFTeDA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M2PFTeDA)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

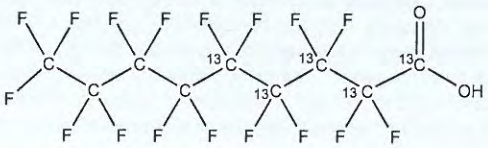
Collision Gas (mbar) = 3.31e-3
Collision Energy (eV) = 14

1812008

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | MPFNA | **LOT NUMBER:** | MPFNA1217 |
| **COMPOUND:** | Perfluoro-n-[1,2,3,4,5-$^{13}C_5$]nonanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_5{}^{12}C_4HF_{17}O_2$ | **MOLECULAR WEIGHT:** | 469.04 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$<br>(1,2,3,4,5-$^{13}C_5$) |
| **LAST TESTED:** (mm/dd/yyyy) | 12/14/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 12/14/2022 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 12/19/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812008

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

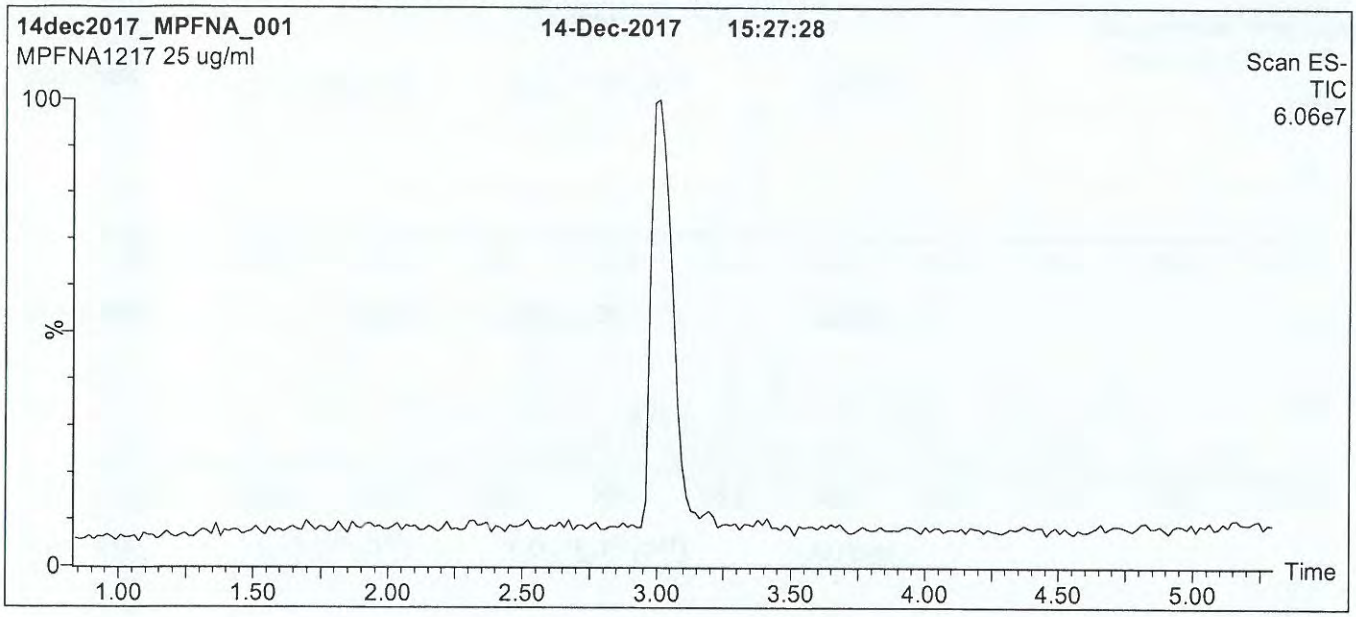
CALA Testing Accreditation No. A 1226

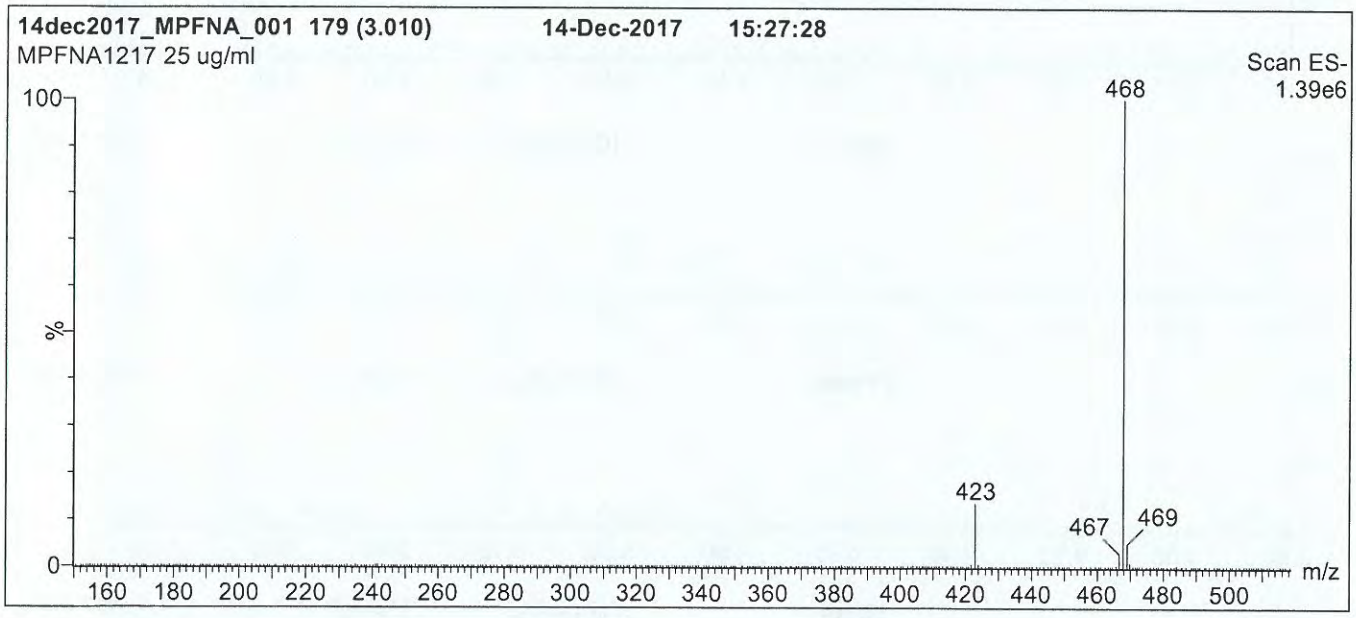
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812008

**Figure 1:** **MPFNA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 55% (80:20 MeOH:ACN) / 45% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for 2 min before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

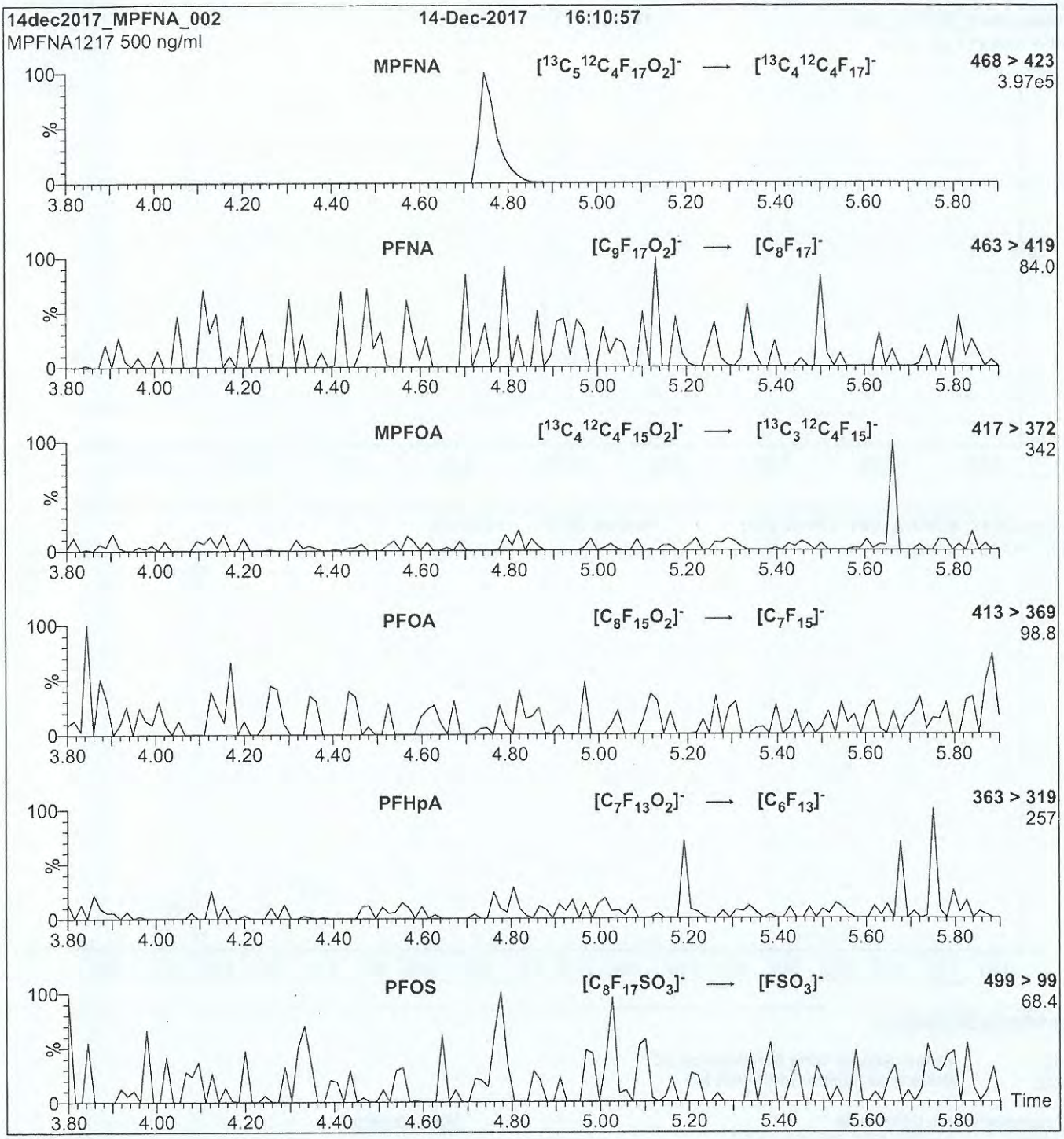
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 15.00
Cone Gas Flow (l/hr) = 50
Desolvation Gas Flow (l/hr) = 750

18L2008

**Figure 2:** **MPFNA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml MPFNA)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

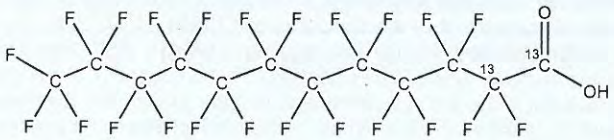
Collision Gas (mbar) = 3.43e-3
Collision Energy (eV) = 11

18L2009

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | MPFDoA | **LOT NUMBER:** | MPFDoA0218 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]dodecanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_{10}HF_{23}O_2$ | **MOLECULAR WEIGHT:** | 616.08 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 02/16/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 02/16/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 02/23/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

18L2009

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

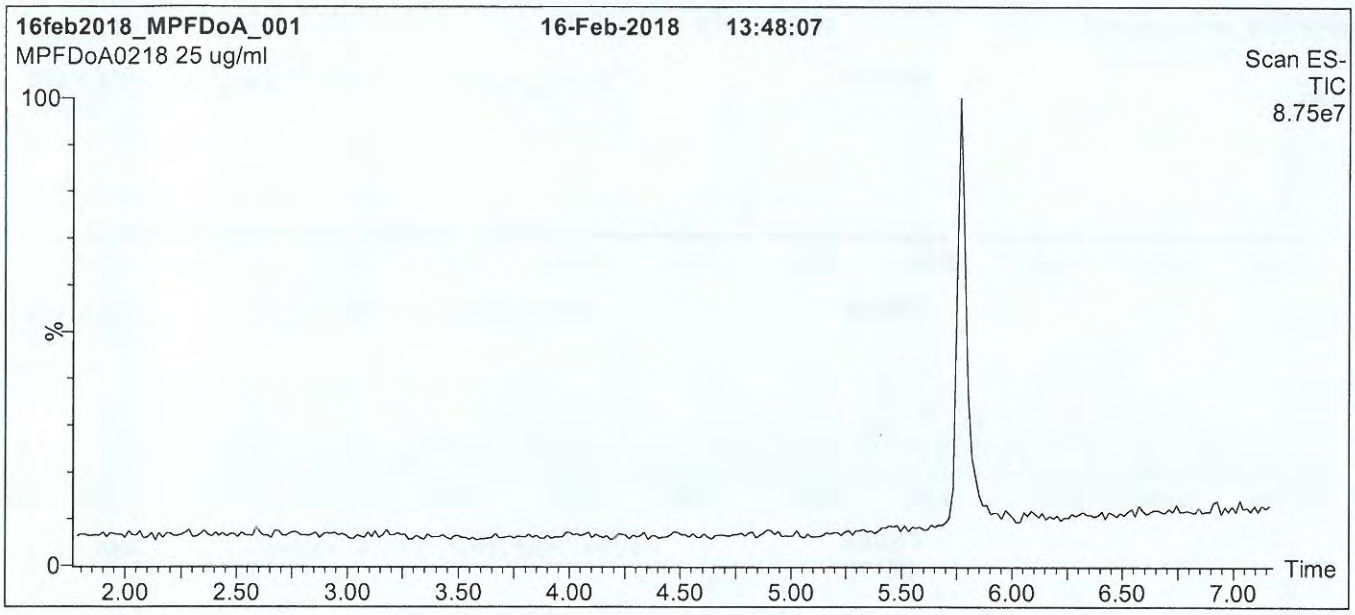
CALA Testing Accreditation No. A 1226

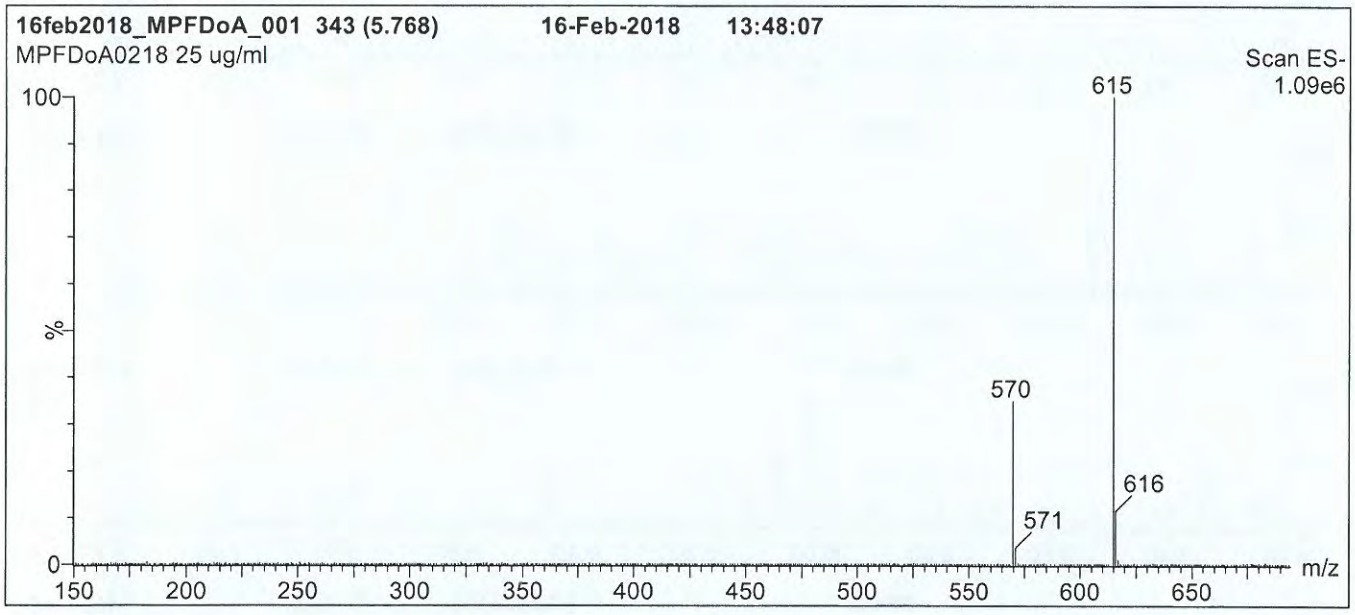
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1862009

**Figure 1:** **MPFDoA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for 2 min
before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

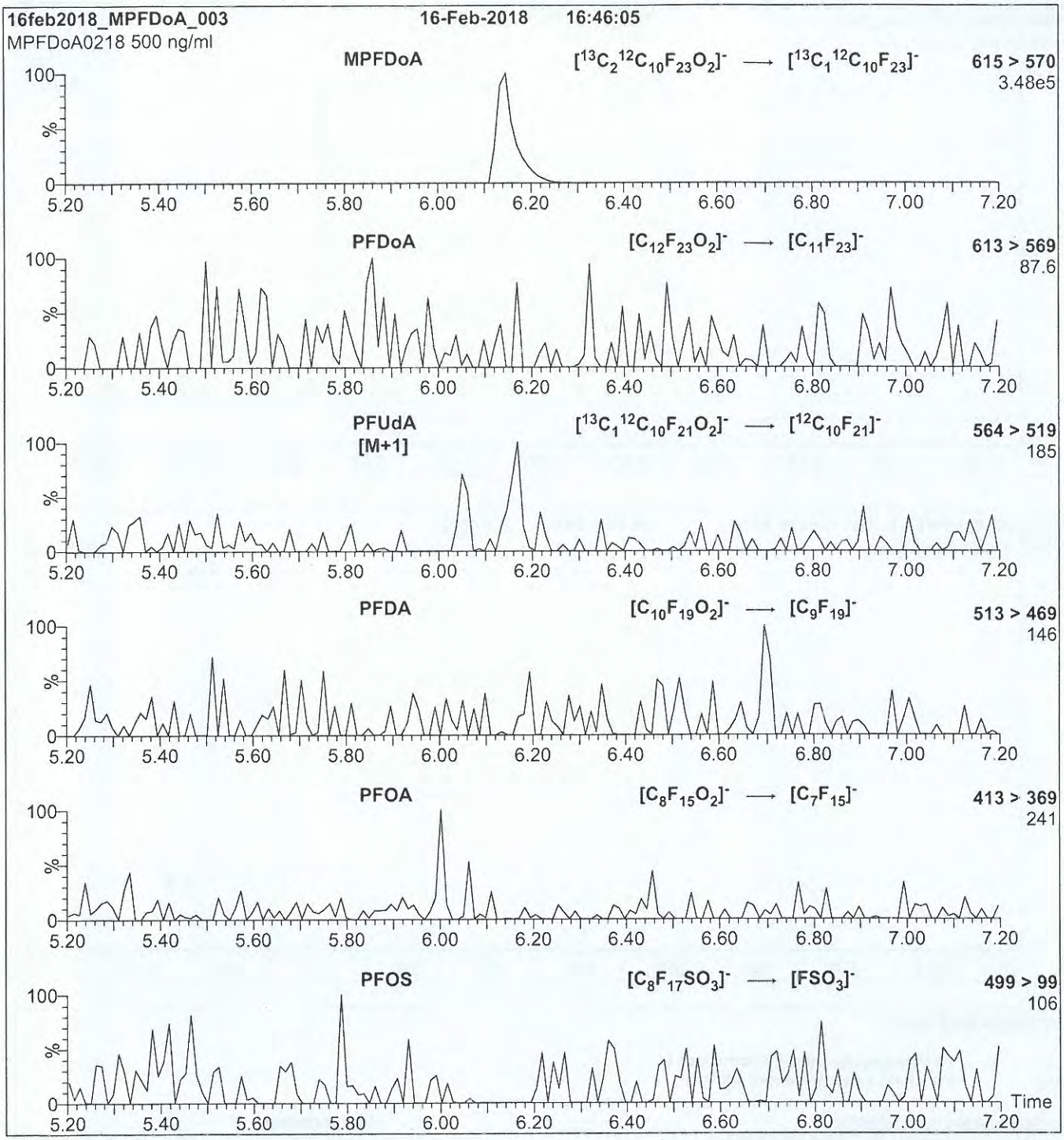
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 20.00
Cone Gas Flow (l/hr) = 50
Desolvation Gas Flow (l/hr) = 750

1812009

**Figure 2:** **MPFDoA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml MPFDoA)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

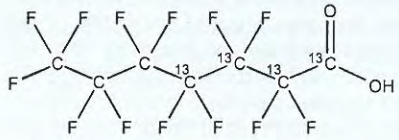
Collision Gas (mbar) = 3.31e-3
Collision Energy (eV) = 13

18L2010

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M4PFHpA | **LOT NUMBER:** | M4PFHpA0618 |
| **COMPOUND:** | Perfluoro-n-[1,2,3,4-$^{13}C_4$]heptanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_4{}^{12}C_3HF_{13}O_2$ | **MOLECULAR WEIGHT:** | 368.03 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$<br>(1,2,3,4-$^{13}C_4$) |
| **LAST TESTED:** (mm/dd/yyyy) | 07/06/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 07/06/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains ~ 0.04% of perfluoro-n-heptanoic acid.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 07/09/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

18L2010

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

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## QUALITY MANAGEMENT:

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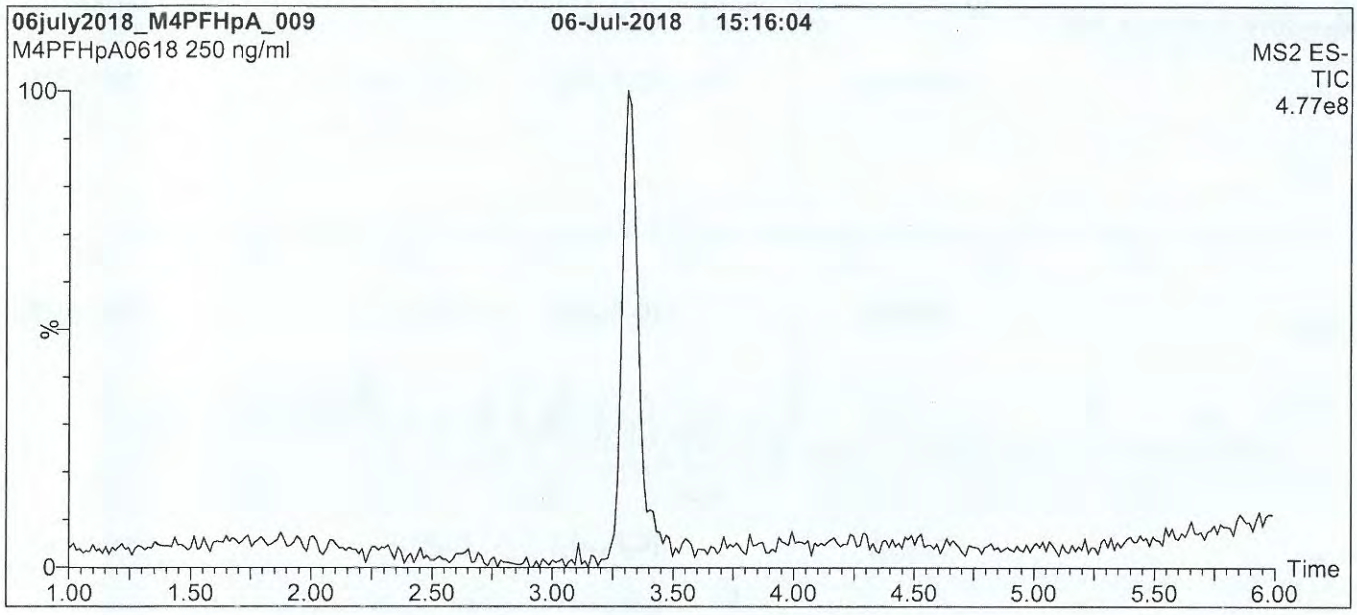
CALA Testing Accreditation No. A 1226

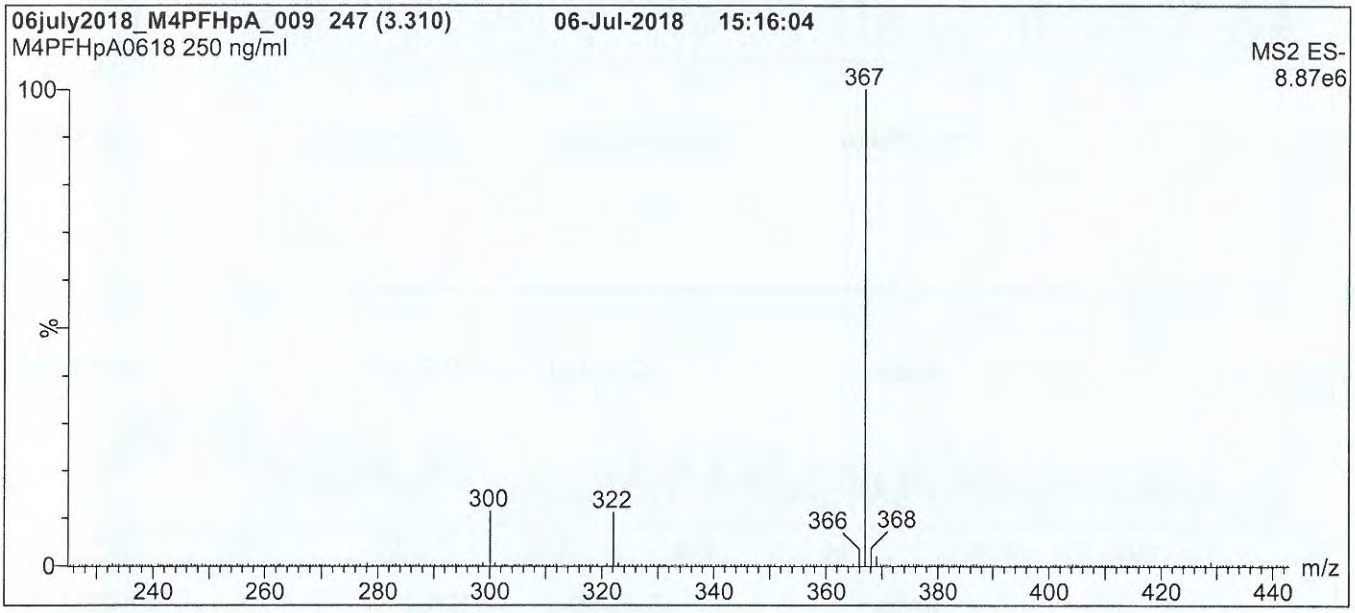
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

18L2010

**Figure 1:** **M4PFHpA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 80% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

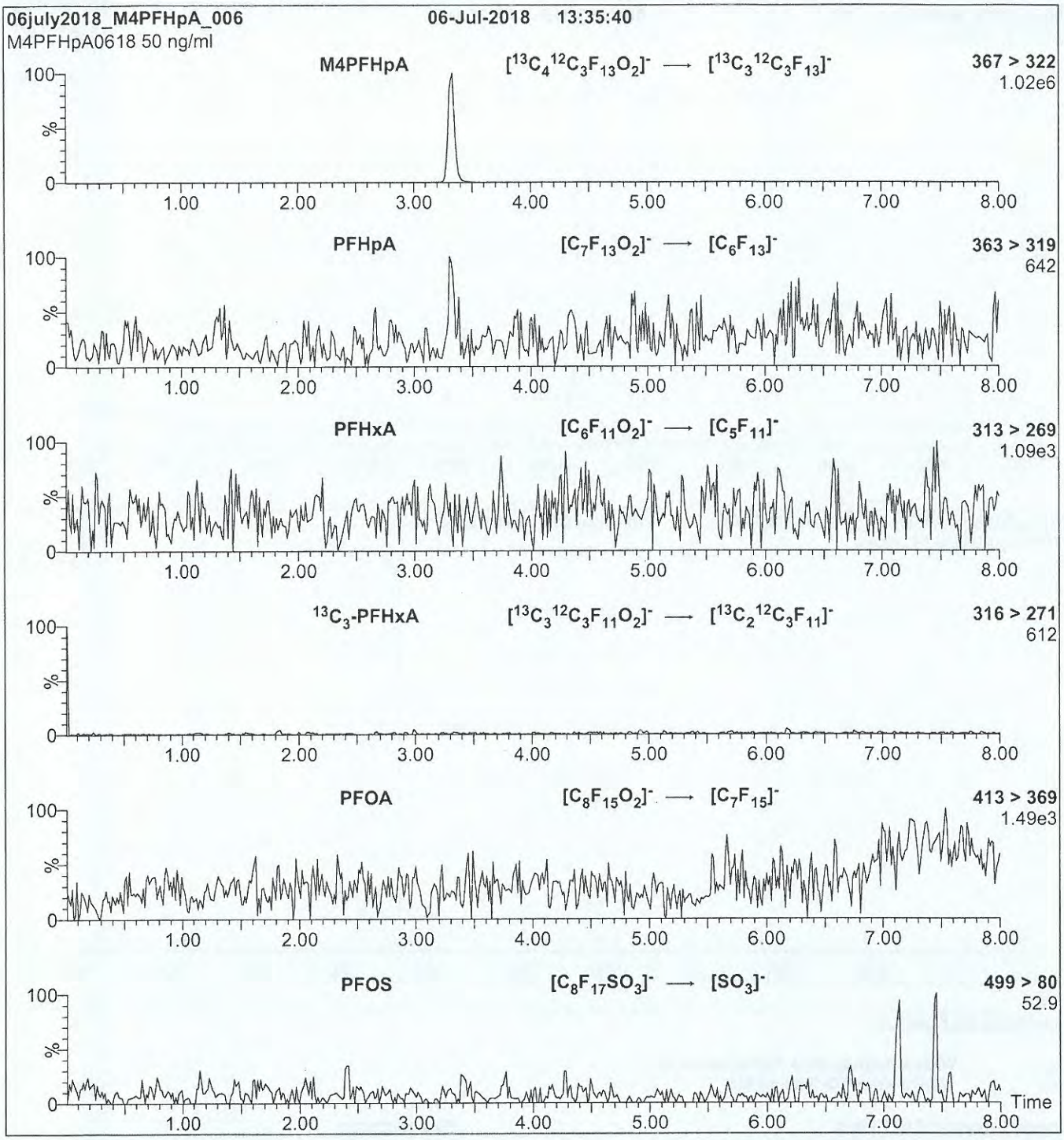
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 5.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

1862010

**Figure 2:** **M4PFHpA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M4PFHpA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

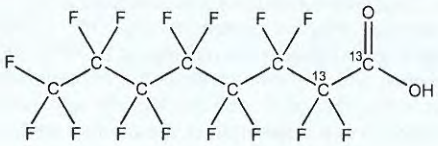
Collision Gas (mbar) = 3.89e-3
Collision Energy (eV) = 8

18L2011

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M2PFOA | **LOT NUMBER:** | M2PFOA1018 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]octanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_6HF_{15}O_2$ | **MOLECULAR WEIGHT:** | 416.05 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$<br>(1,2-$^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 10/10/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 10/10/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains < 0.1% of perfluoro-n-[$^{13}C_1$]heptanoic acid ($^{13}C_1$-PFHpA).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 10/17/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2011

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

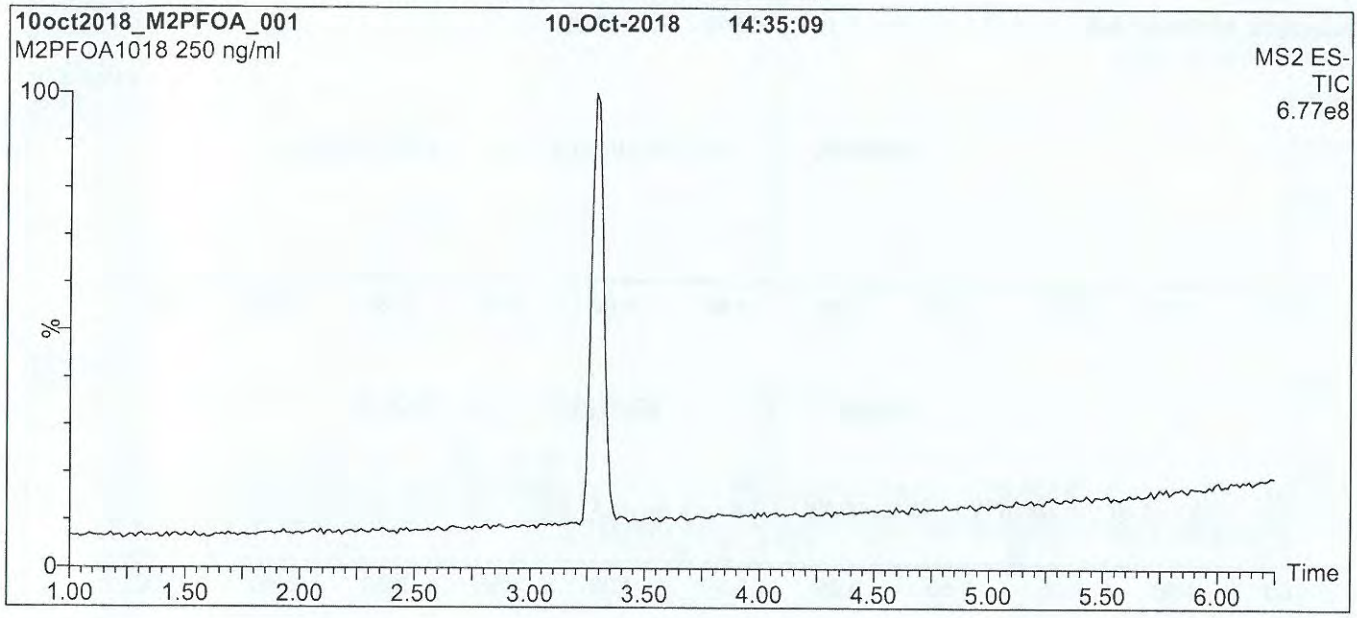
CALA Testing Accreditation No. A1226

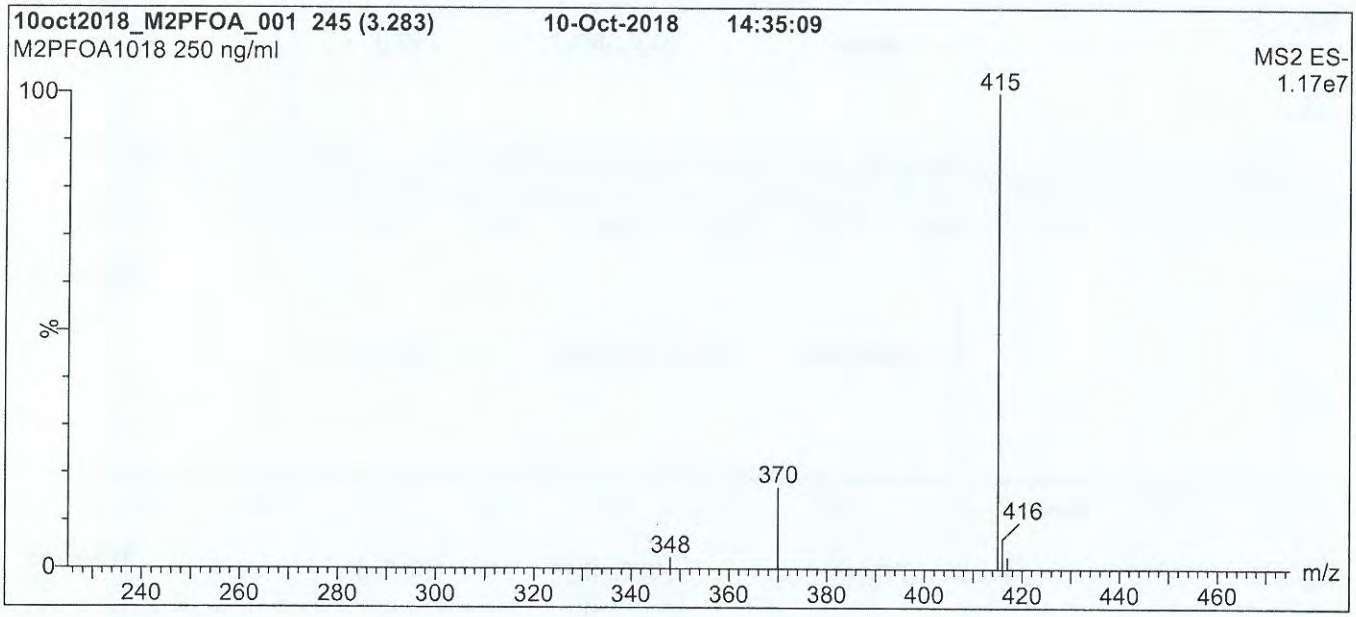
ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

18L2011

**Figure 1:** **M2PFOA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

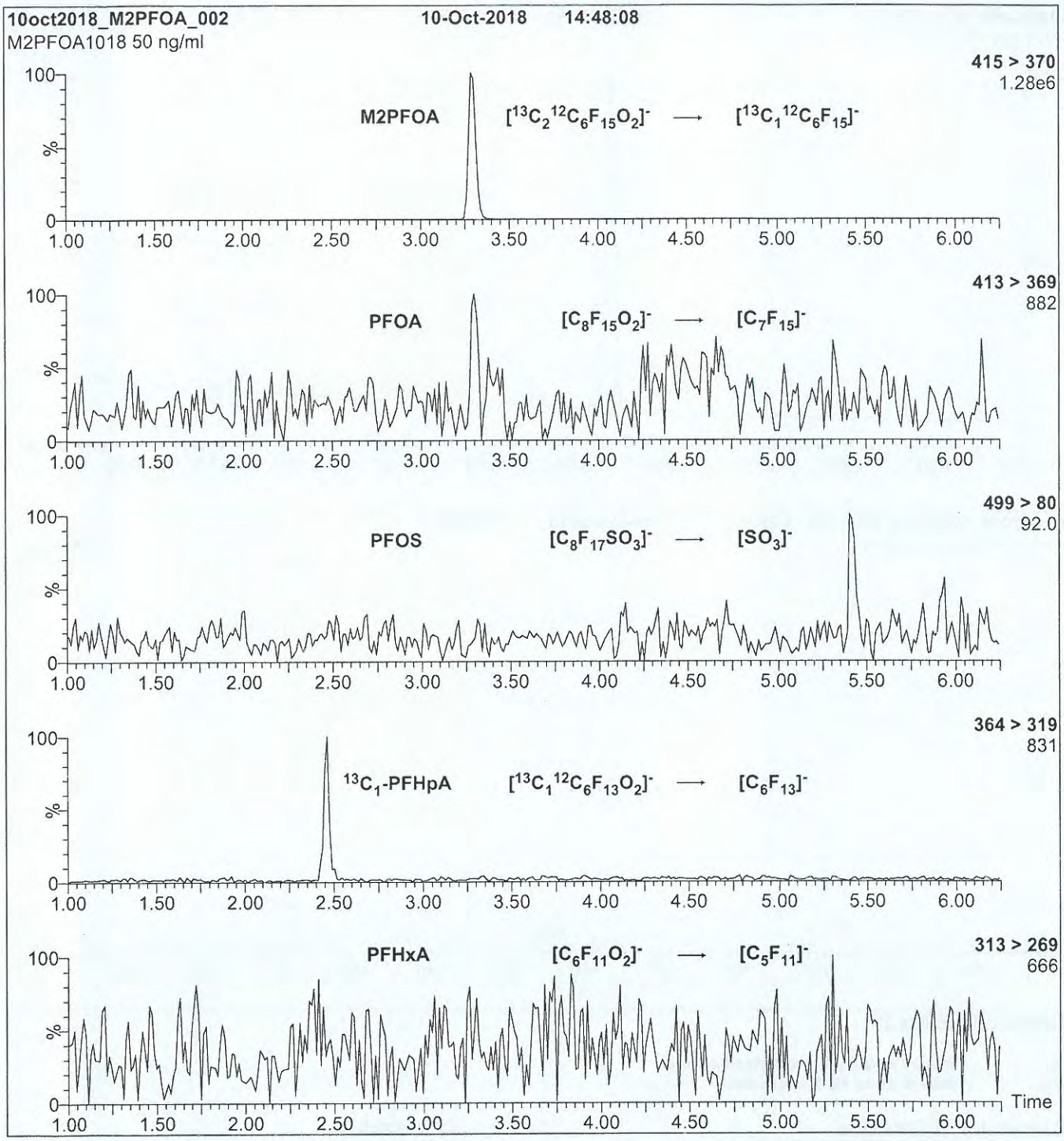
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

1812011

**Figure 2:** **M2PFOA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M2PFOA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

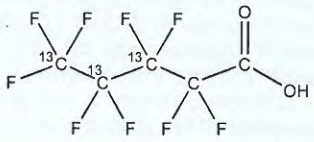
Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 8

18/2012

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M3PFPeA | **LOT NUMBER:** | M3PFPeA0417 |
| **COMPOUND:** | Perfluoro-n-[3,4,5-$^{13}C_3$]pentanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_3{}^{12}C_2HF_9O_2$ | **MOLECULAR WEIGHT:** | 267.02 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($3,4,5$-$^{13}C_3$) |
| **LAST TESTED:** (mm/dd/yyyy) | 04/20/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 04/20/2022 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains ~ 0.95% of perfluoro-n-[$^{13}C_3$]butanoic acid and 0.05% of perfluoro-1-pentanoic acid.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 04/24/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2012

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1$, $x_2$,...$x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

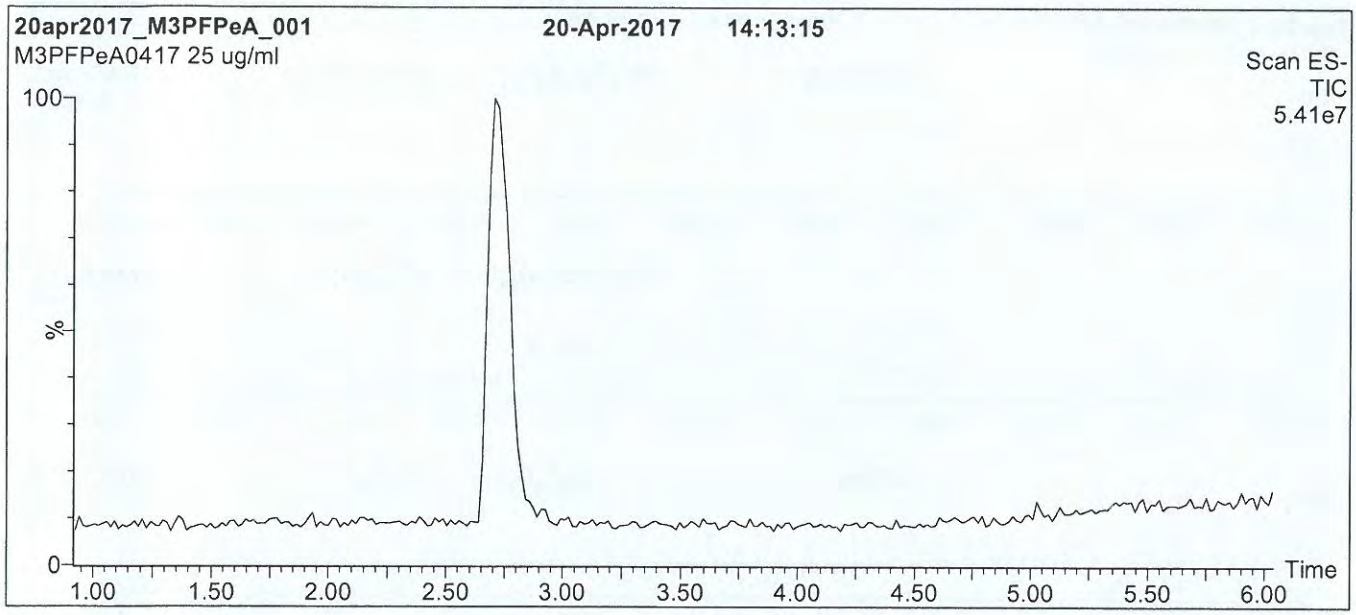
CALA Testing Accreditation No. A 1226

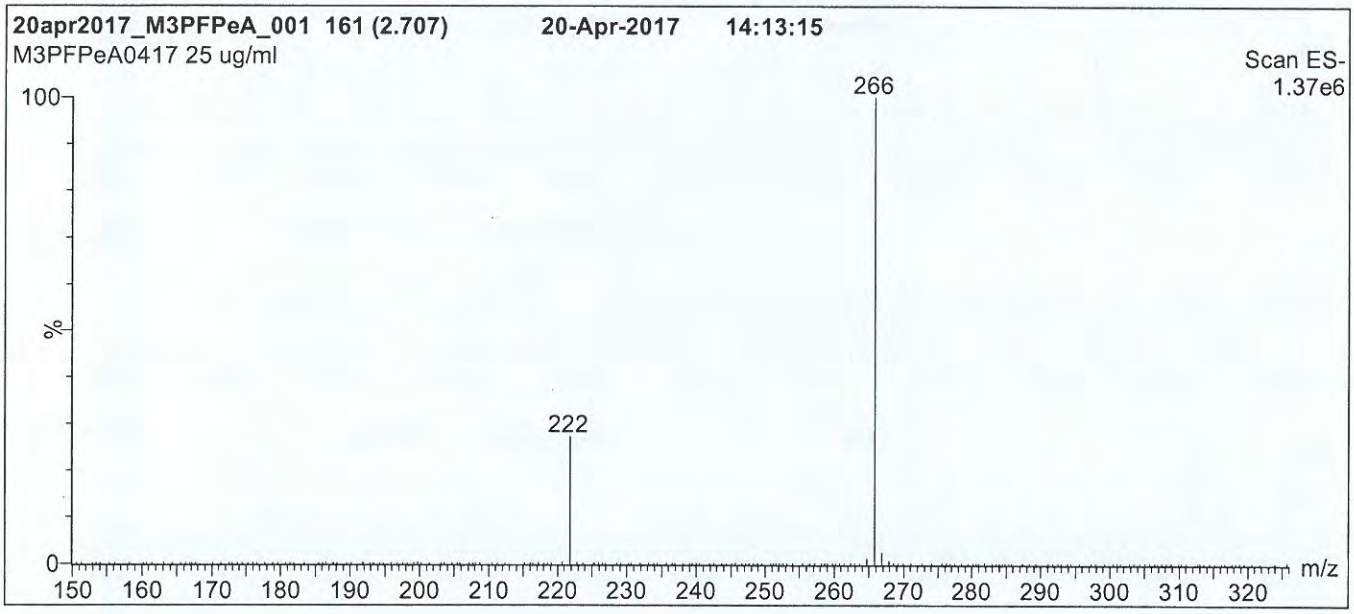
ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

18L2012

**Figure 1:** **M3PFPeA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 40% (80:20 MeOH:ACN) / 60% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for
2 min before returning to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

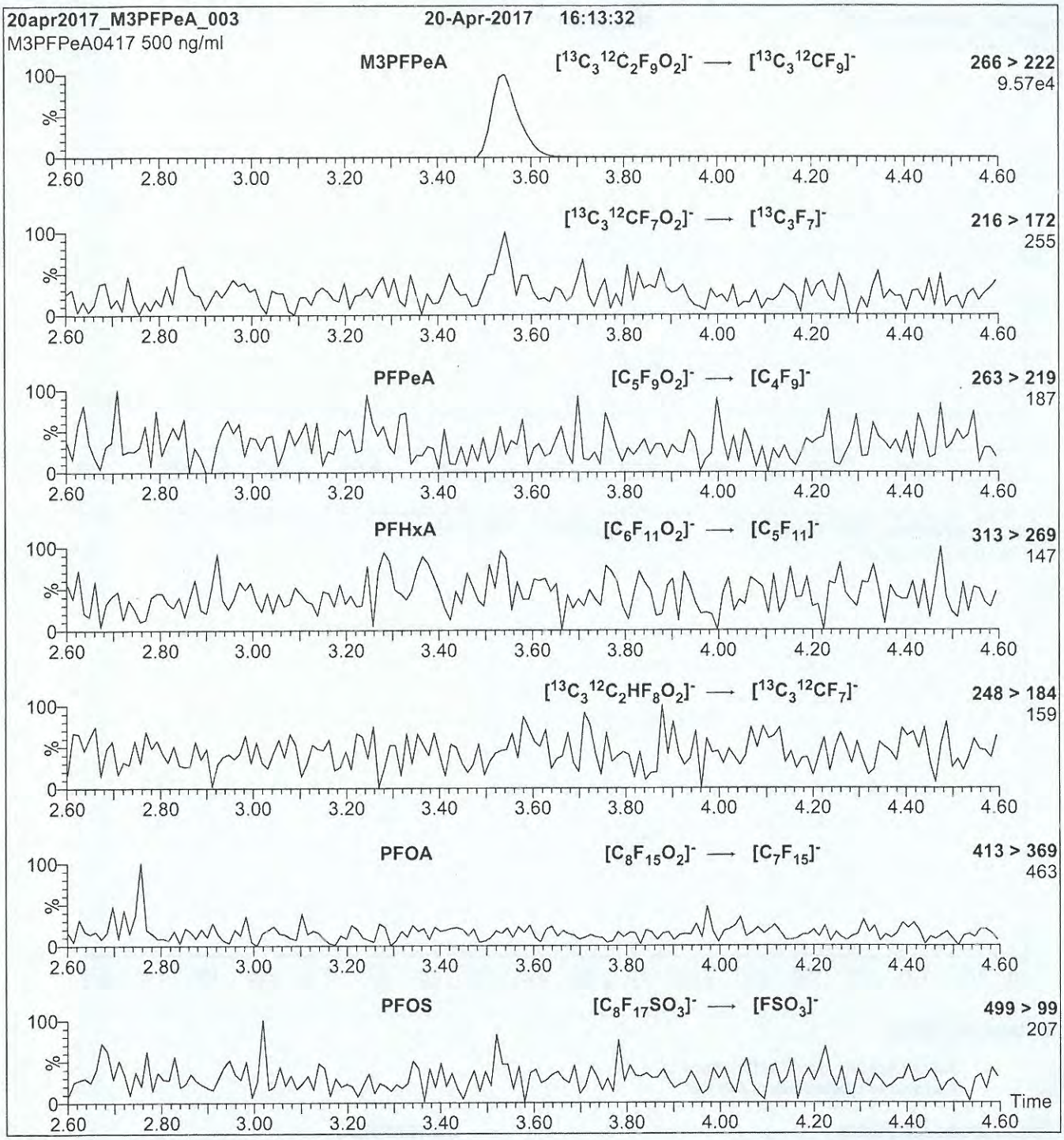
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 15.00
Cone Gas Flow (l/hr) = 60
Desolvation Gas Flow (l/hr) = 750

18L2012

**Figure 2:** **M3PFPeA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M3PFPeA)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

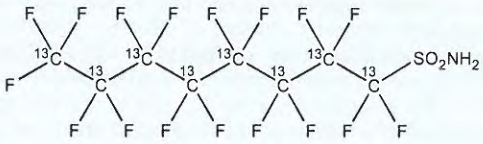
Collision Gas (mbar) = 3.31e-3
Collision Energy (eV) = 9

18L2013

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M8FOSA-I | **LOT NUMBER:** | M8FOSA1018I |
| **COMPOUND:** | Perfluoro-1-[$^{13}C_8$]octanesulfonamide | | |
| **STRUCTURE:** | | **CAS #:** | 1365803-60-6 |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_8H_2F_{17}NO_2S$ | **MOLECULAR WEIGHT:** | 507.09 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Isopropanol |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($^{13}C_8$) |
| **LAST TESTED:** (mm/dd/yyyy) | 10/10/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 10/10/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 1.1% of perfluoro-1-[$^{13}C_4$]octanesulfonamide, ~ 0.5% of perfluoro-n-[$^{13}C_8$]octanoic acid (M8PFOA), and ~ 0.02% of perfluoro-1-[$^{13}C_7$]heptanesulfonamide.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 10/15/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812013

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

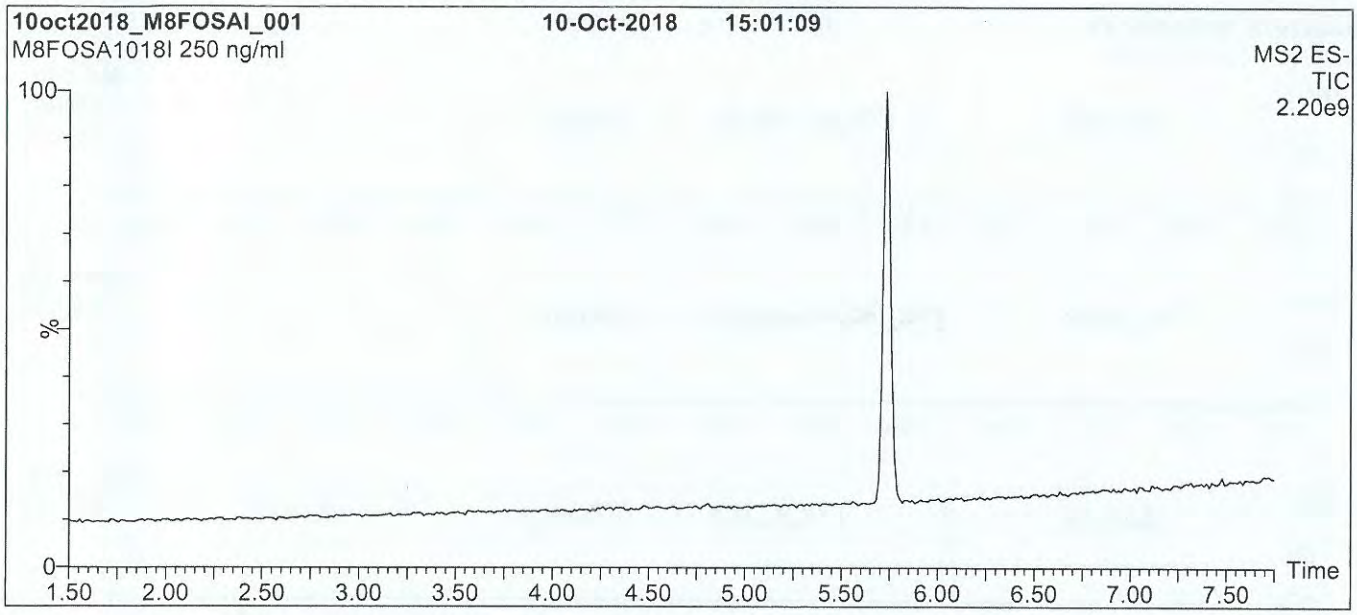
CALA Testing Accreditation No. A1226

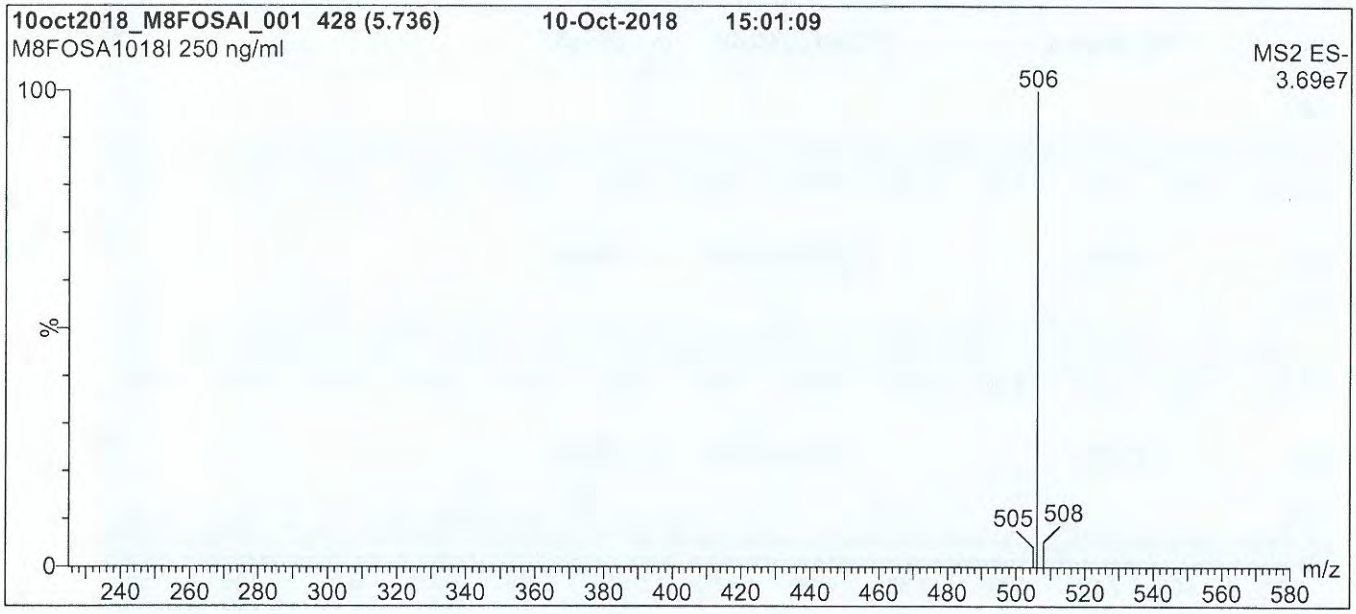
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812013

**Figure 1:** **M8FOSA-I; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

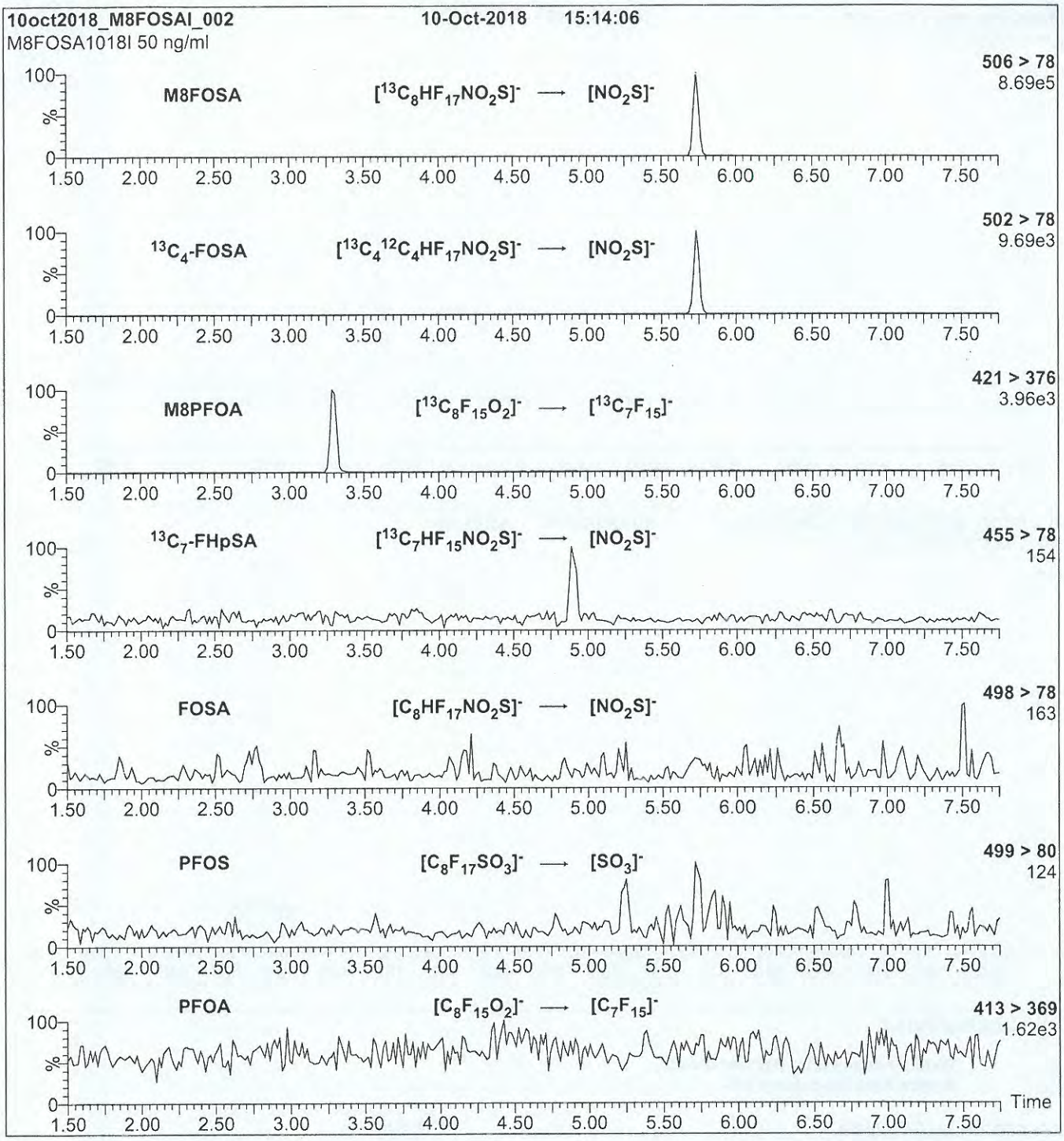
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 20.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2013

**Figure 2:** **M8FOSA-I; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M8FOSA-I)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 30

18L2014

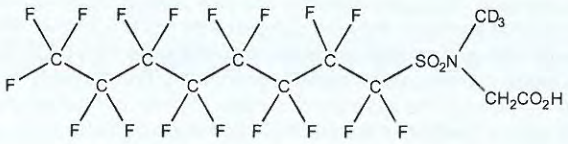
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** d3-N-MeFOSAA **LOT NUMBER:** d3NMeFOSAA0818

**COMPOUND:** N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $C_{11}D_3H_3F_{17}NO_4S$ | **MOLECULAR WEIGHT:** | 574.23 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥98% $^2H_3$ |
| **LAST TESTED:** (mm/dd/yyyy) | 08/23/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 08/23/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent the conversion of the acetic acid moiety to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 08/24/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

18L2014

## INTENDED USE:

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## HANDLING:

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## SYNTHESIS / CHARACTERIZATION:

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## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

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## EXPIRY DATE / PERIOD OF VALIDITY:

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CALA Testing Accreditation No. A 1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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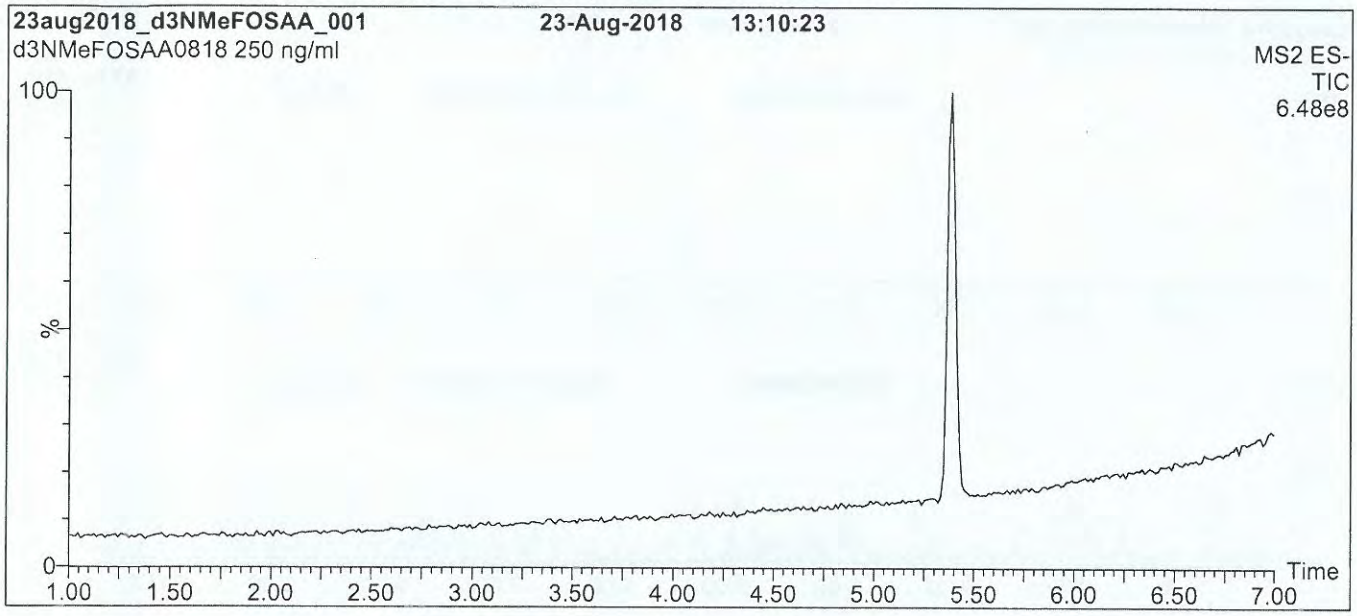
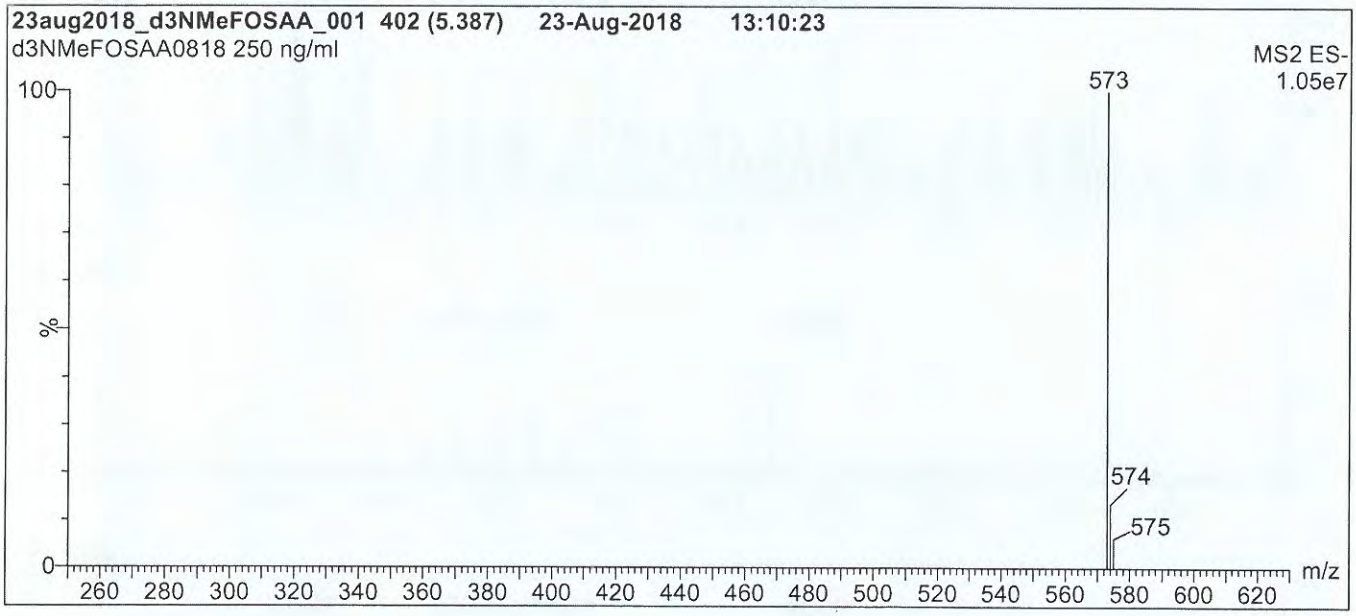
18L2014

**Figure 1:** **d3-N-MeFOSAA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

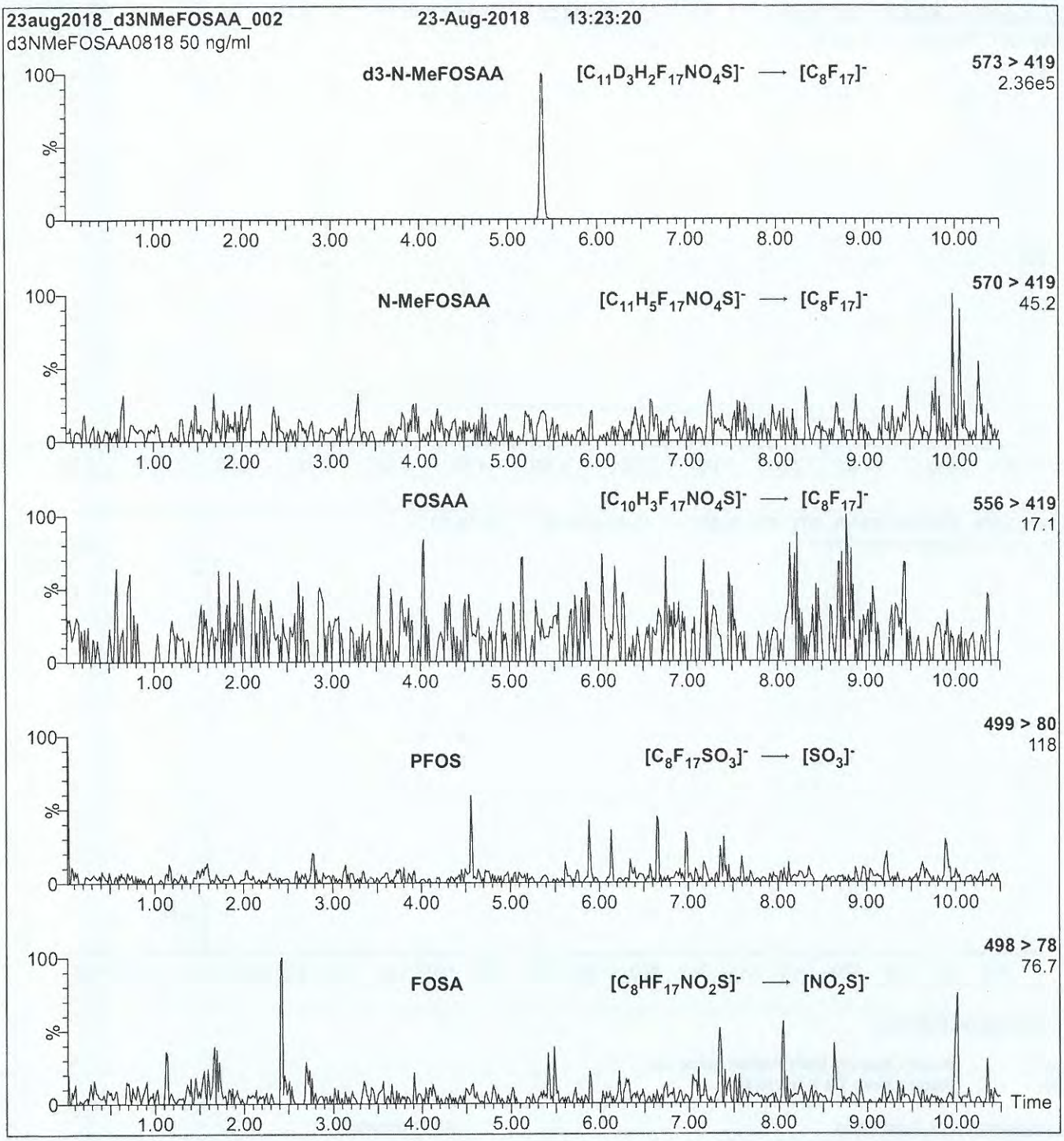
**MS Parameters**

Experiment: Full Scan (250 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 20.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2014

**Figure 2:** **d3-N-MeFOSAA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (d3-N-MeFOSAA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.43e-3
Collision Energy (eV) = 18

18L2015

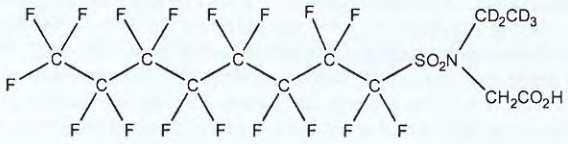
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** d5-N-EtFOSAA **LOT NUMBER:** d5NEtFOSAA0818

**COMPOUND:** N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $C_{12}D_5H_3F_{17}NO_4S$ | **MOLECULAR WEIGHT:** | 590.26 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥98% $^2H_5$ |
| **LAST TESTED:** (mm/dd/yyyy) | 08/23/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 08/23/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent the conversion of the acetic acid moiety to the methyl ester.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 08/28/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2015

## INTENDED USE:

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where x is expressed as a relative standard uncertainty of the individual parameter.

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## EXPIRY DATE / PERIOD OF VALIDITY:

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CALA Testing Accreditation No. A1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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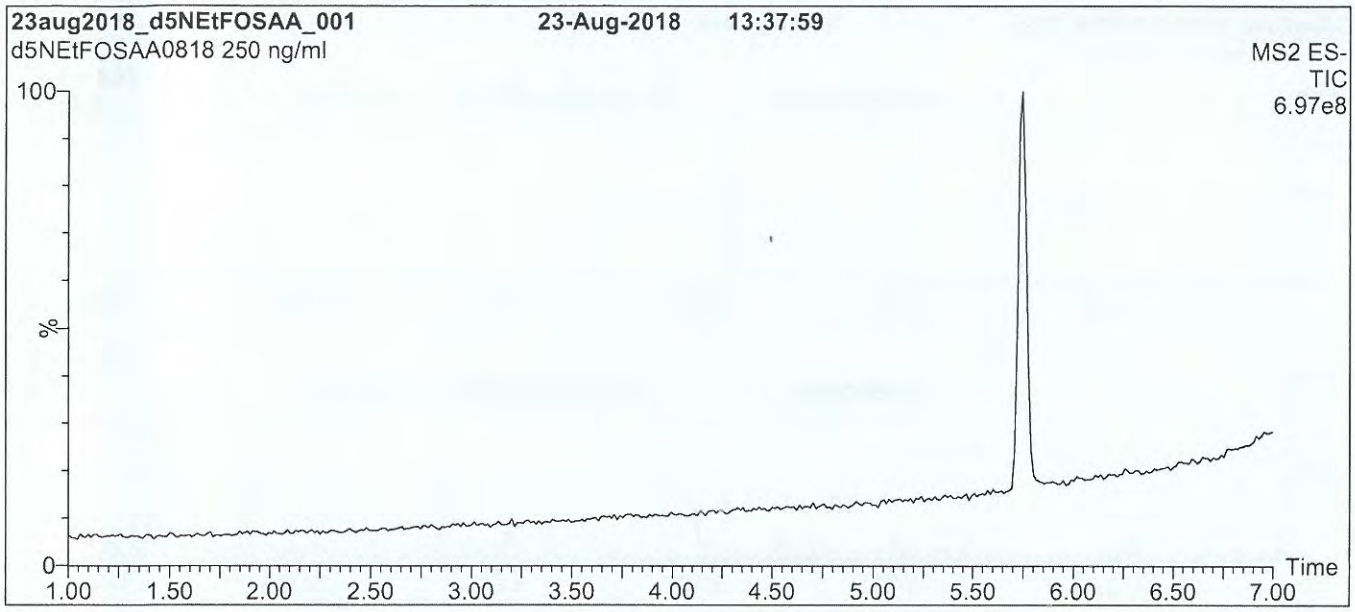
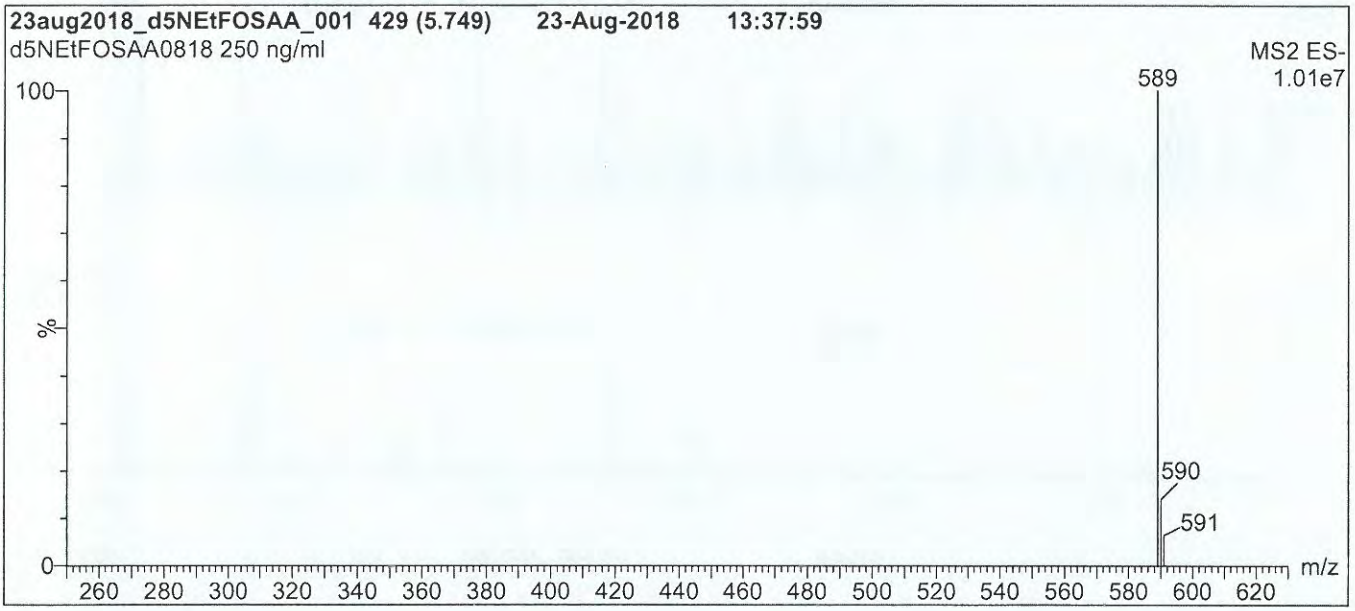
1822015

**Figure 1:** **d5-N-EtFOSAA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

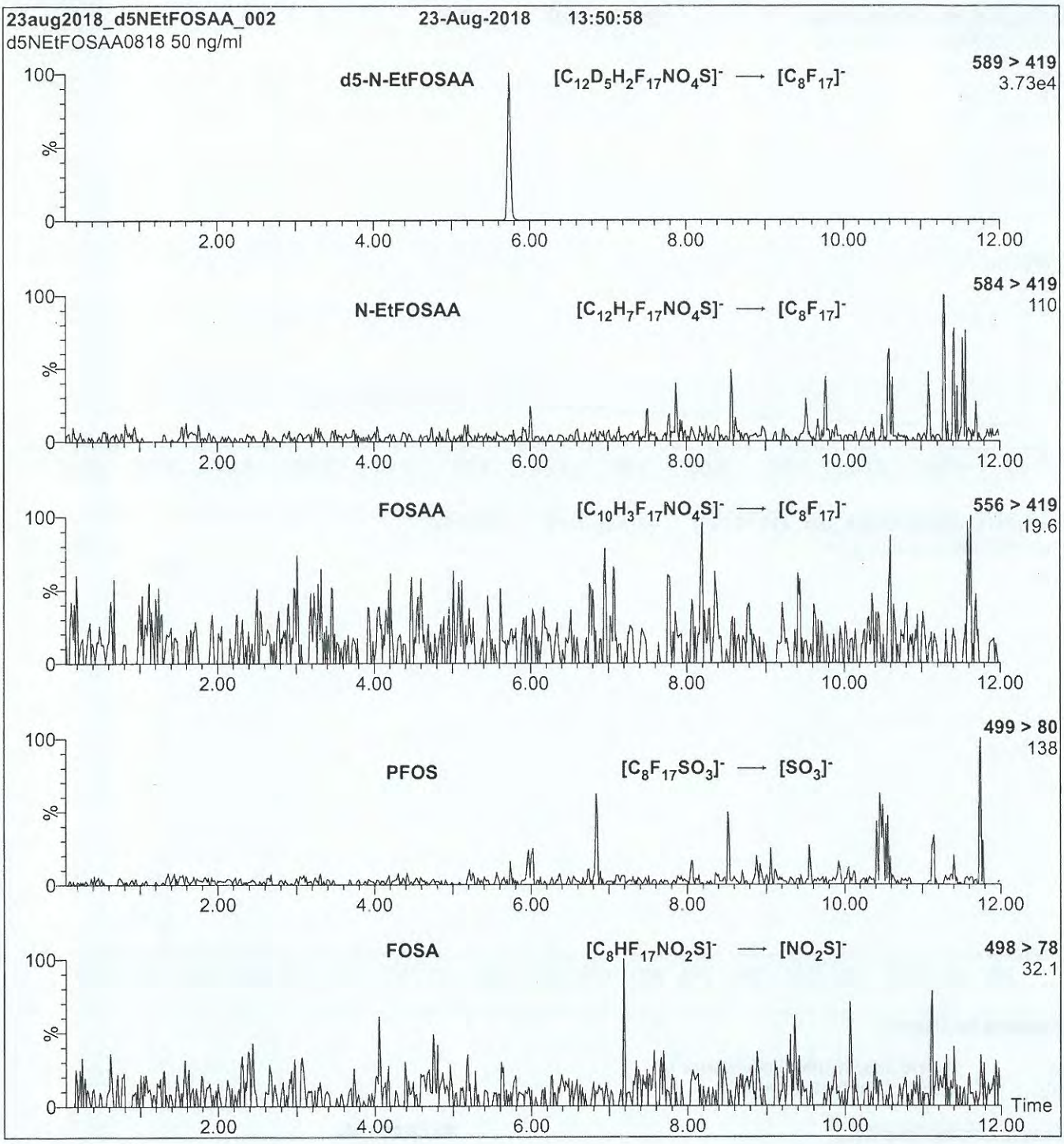
**MS Parameters**

Experiment: Full Scan (250 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 20.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2015

**Figure 2:** **d5-N-EtFOSAA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (d5-N-EtFOSAA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.43e-3
Collision Energy (eV) = 18

18L2016

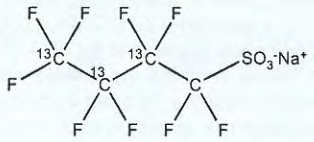
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M3PFBS **LOT NUMBER:** M3PFBS1218

**COMPOUND:** Sodium perfluoro-1-[2,3,4-$^{13}C_3$]butanesulfonate

**STRUCTURE:** **CAS #:** Not available




| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_3{}^{12}CF_9SO_3Na$ | **MOLECULAR WEIGHT:** | 325.06 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt)<br>46.5 ± 2.3 µg/ml (M3PFBS anion) | **SOLVENT(S):** | Methanol |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($2,3,4\text{-}^{13}C_3$) |
| **LAST TESTED:** (mm/dd/yyyy) | 12/10/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 12/10/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 12/13/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager


***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

18L2016

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CALA Testing Accreditation No. A 1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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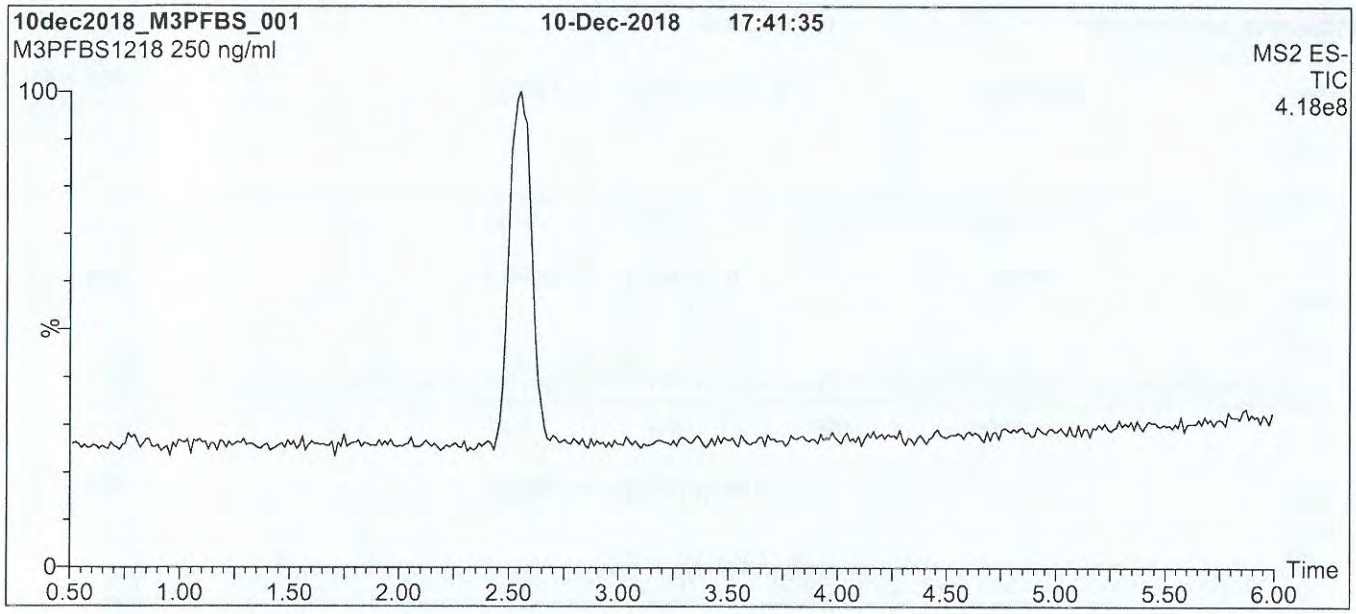
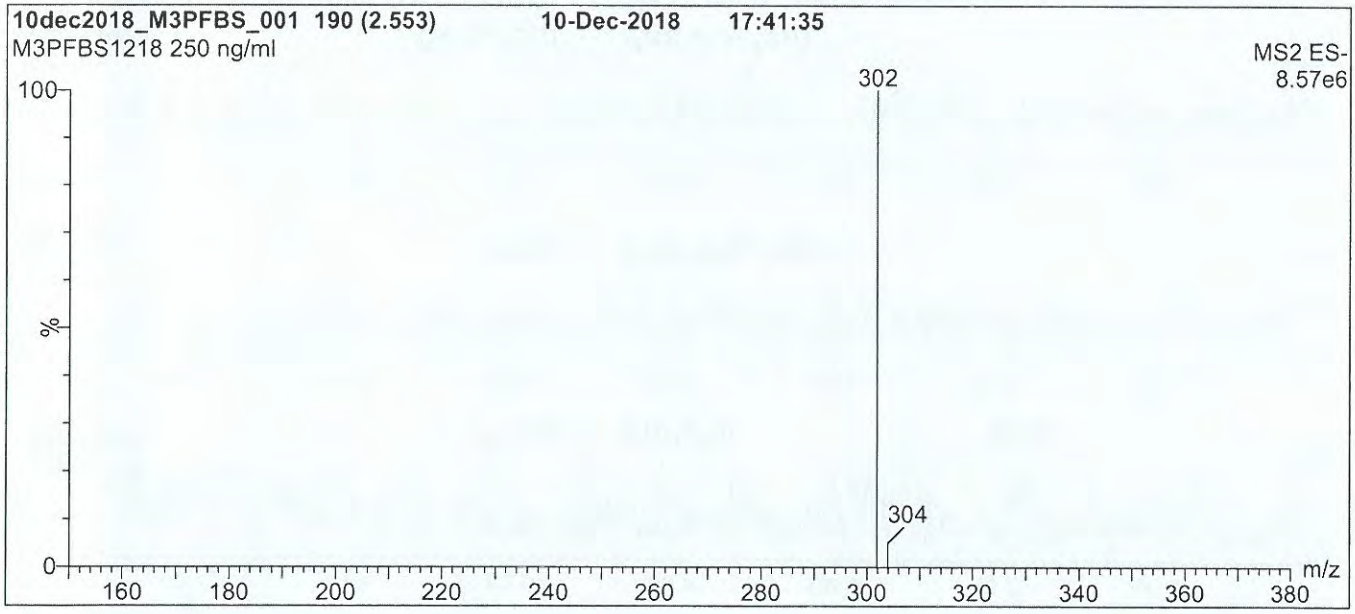
18L2016

**Figure 1:** **M3PFBS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 40% (80:20 MeOH:ACN) / 60% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

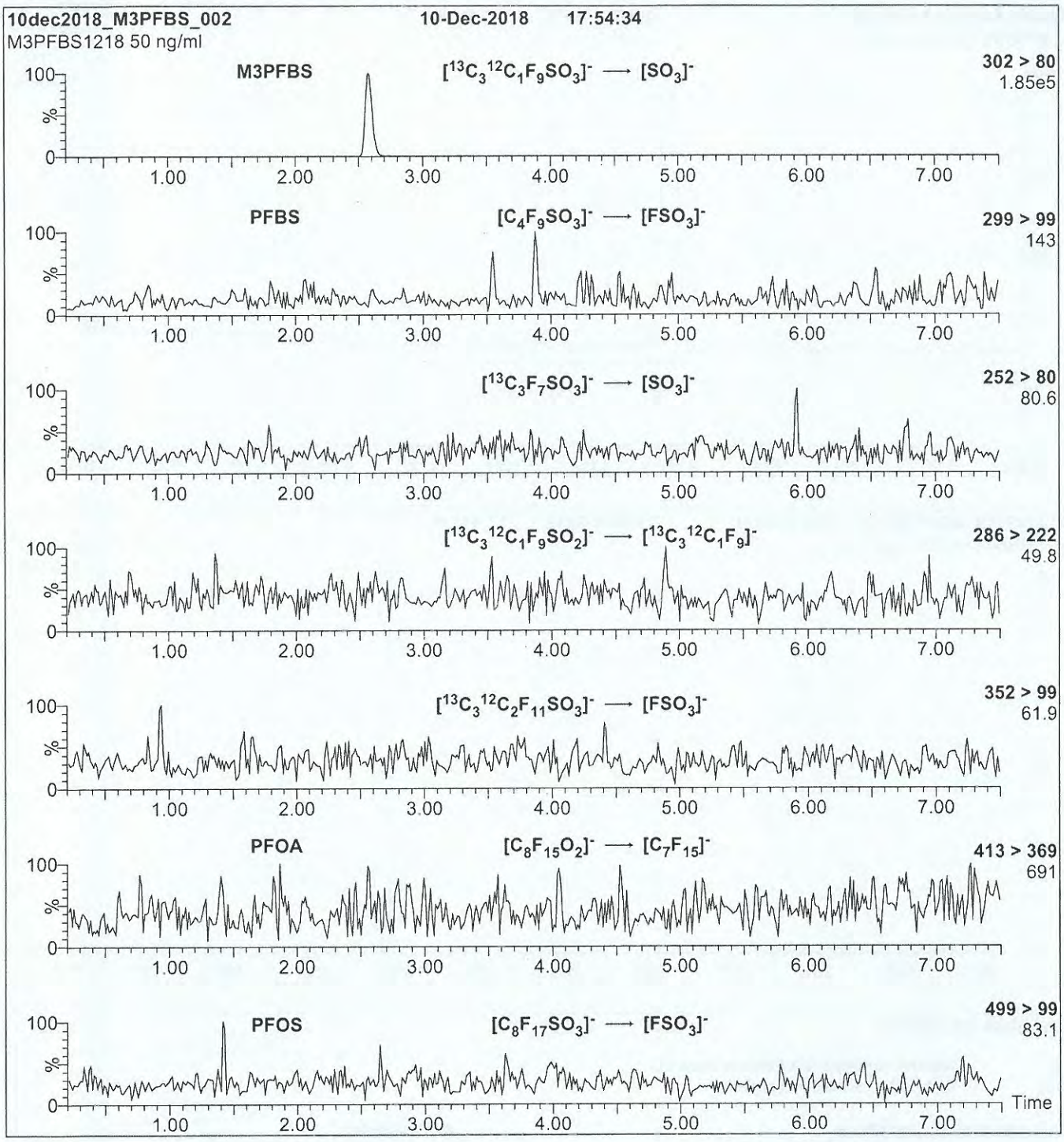
**MS Parameters**

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2016

**Figure 2:** **M3PFBS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M3PFBS)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

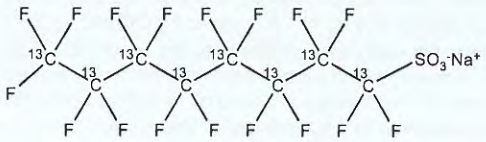
Collision Gas (mbar) = 2.90e-3
Collision Energy (eV) = 30

1812017

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M8PFOS | **LOT NUMBER:** | M8PFOS0918 |
| **COMPOUND:** | Sodium perfluoro-1-[$^{13}C_8$]octanesulfonate | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_8F_{17}SO_3Na$ | **MOLECULAR WEIGHT:** | 530.05 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt)<br>47.8 ± 2.4 µg/ml (M8PFOS anion) | **SOLVENT(S):** | Methanol |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | >99% $^{13}C$ ($^{13}C_8$) |
| **LAST TESTED:** (mm/dd/yyyy) | 09/20/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 09/20/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 0.2% of sodium perfluoro-1-[$^{13}C_7$]heptanesulfonate ($^{13}C_7$-PFHpS) and ~ 1.0% of sodium perfluoro-1-[$^{13}C_4$]octanesulfonate (MPFOS).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 09/24/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812017

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Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

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## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

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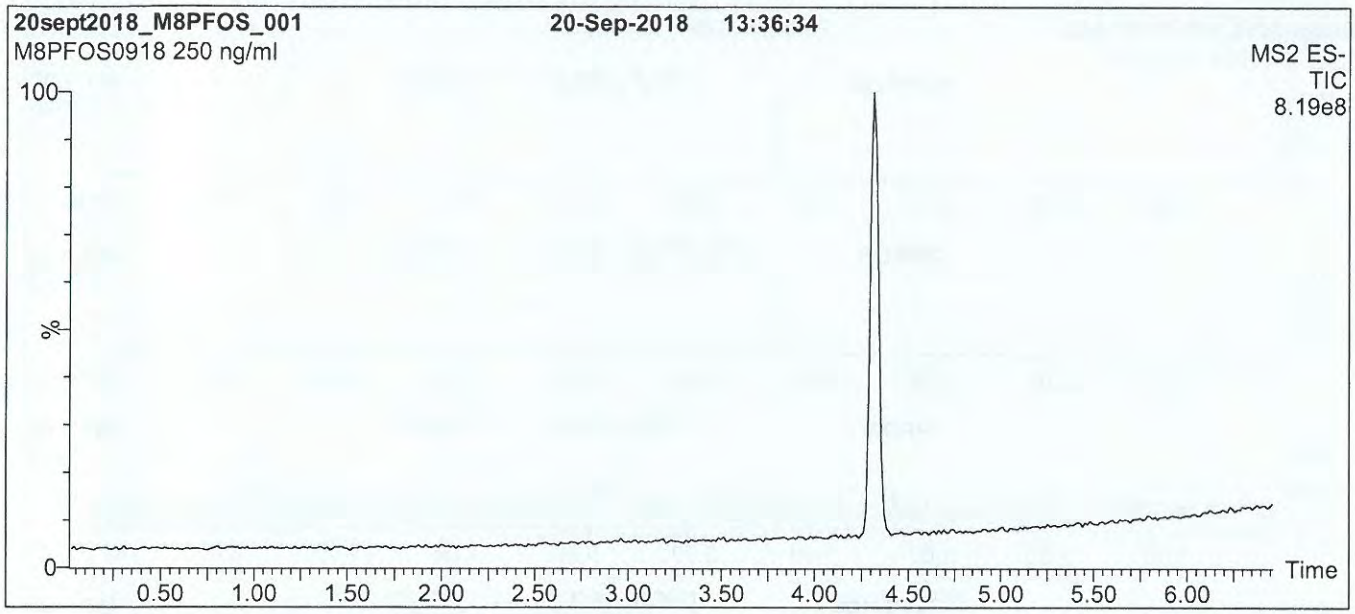
CALA Testing Accreditation No. A 1226

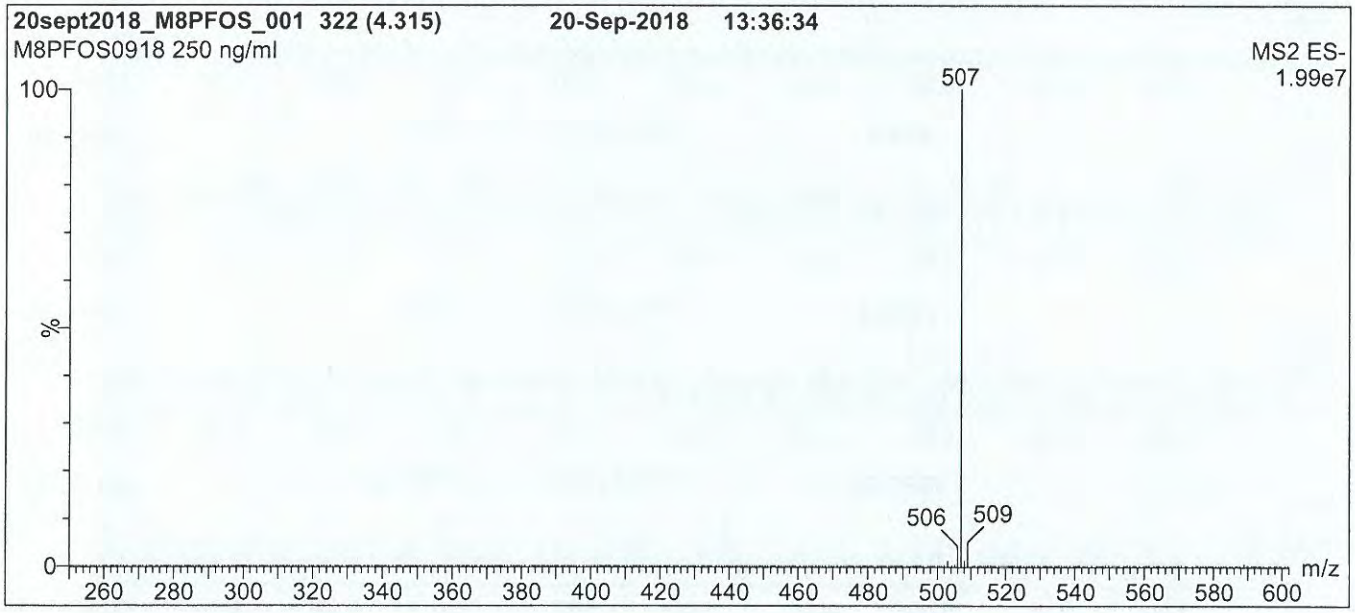
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812017

**Figure 1:** **M8PFOS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for 2 min
before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

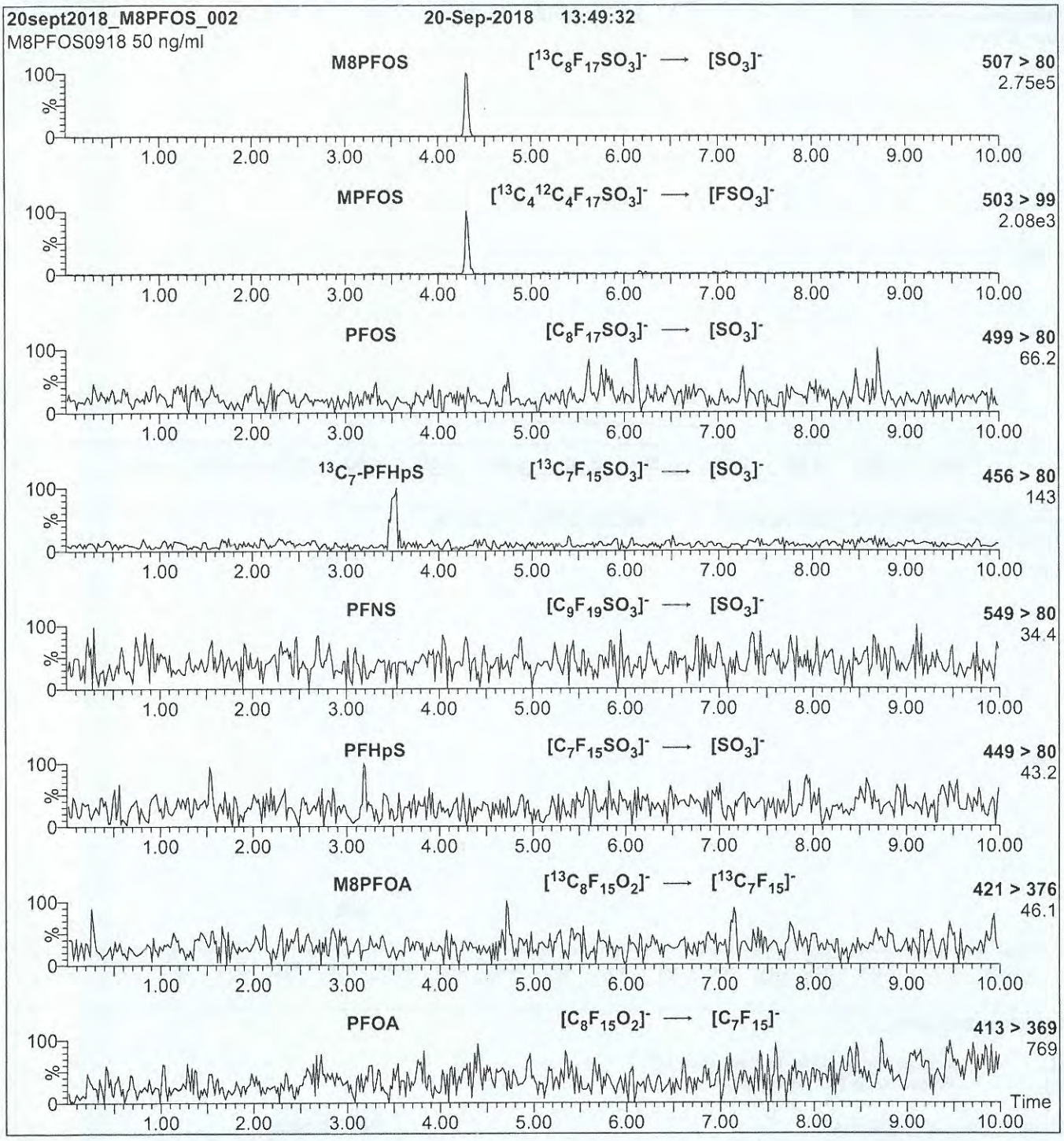
**MS Parameters**

Experiment: Full Scan (250 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2017

**Figure 2:** **M8PFOS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M8PFOS)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 42

18L2019

# WELLINGTON LABORATORIES

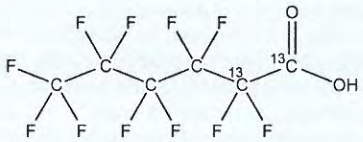
## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** MPFHxA
**COMPOUND:** Perfluoro-n-[1,2-$^{13}C_2$]hexanoic acid

**LOT NUMBER:** MPFHxA0518

**STRUCTURE:**

**CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_4HF_{11}O_2$ | **MOLECULAR WEIGHT:** | 316.04 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 05/22/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 05/22/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains < 0.1% of perfluoro-n-hexanoic acid.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 05/30/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812019

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

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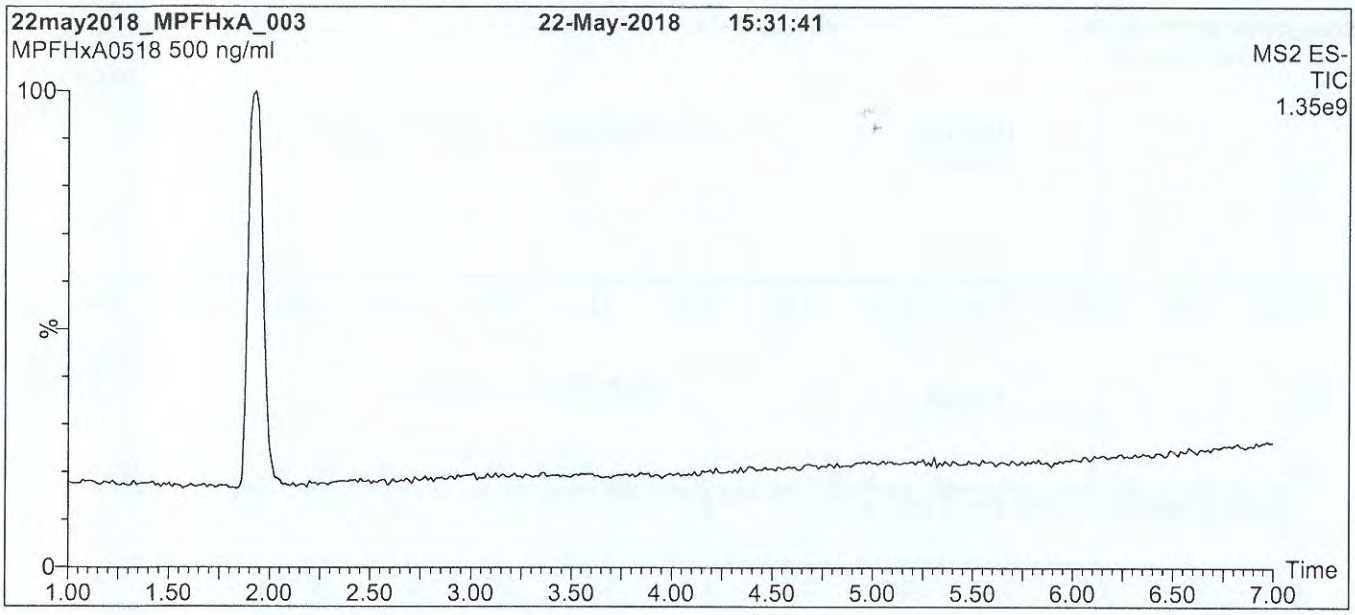
CALA Testing Accreditation No. A 1226

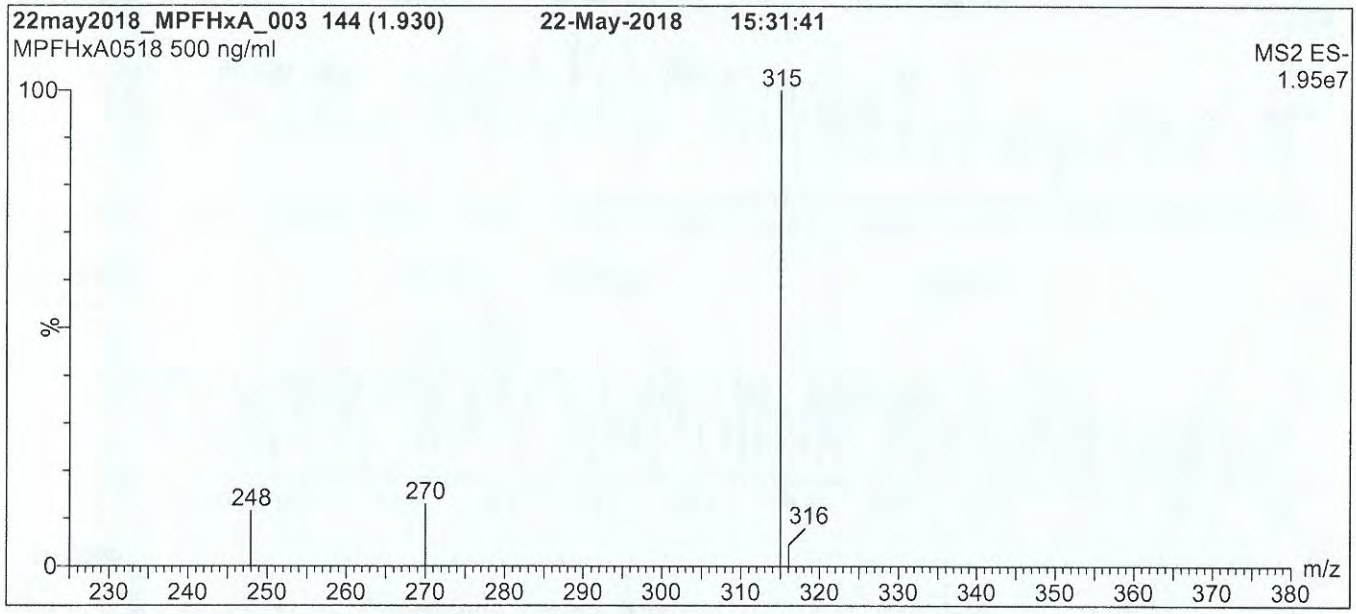
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812019

**Figure 1:** **MPFHxA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 80% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

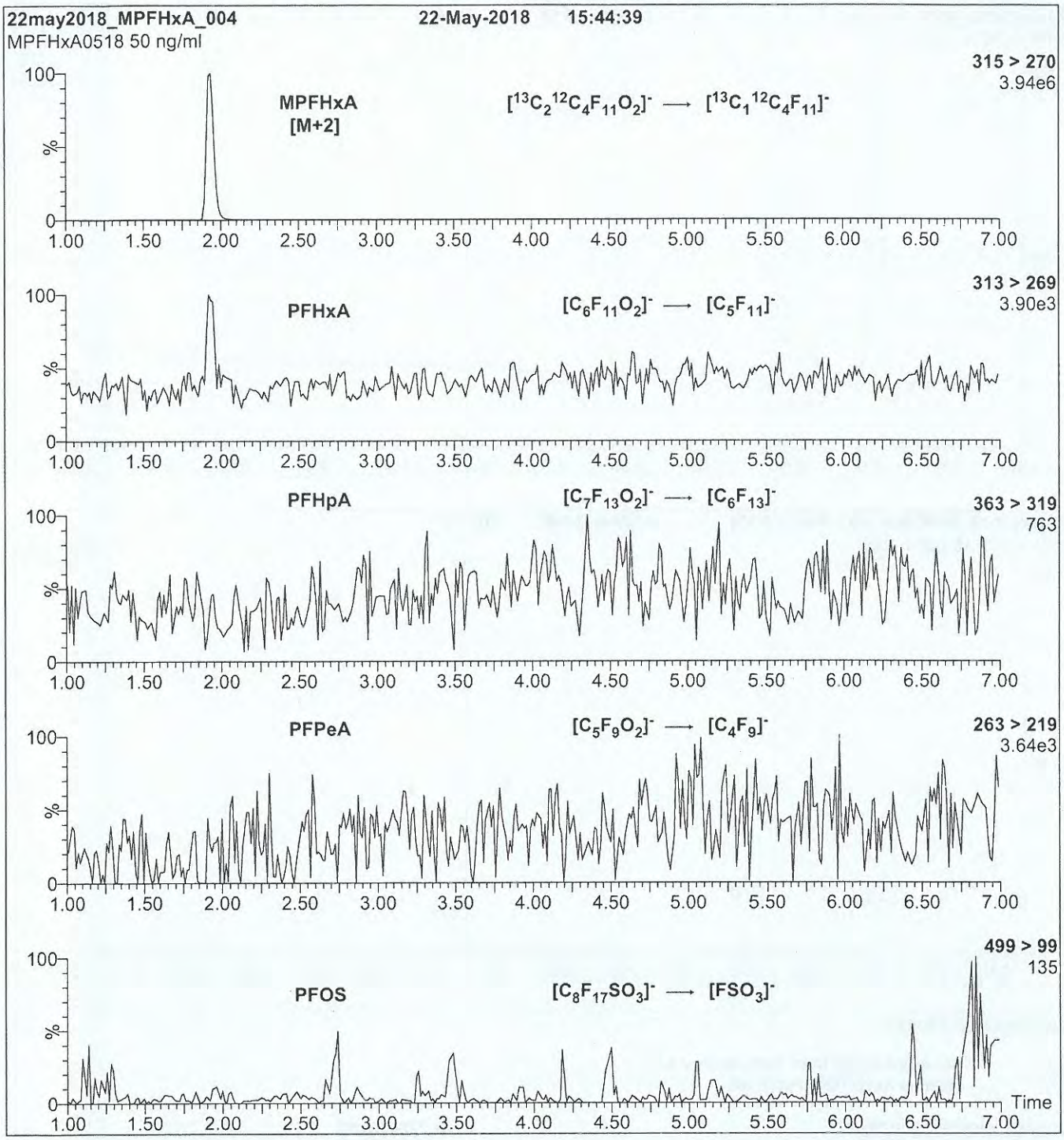
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 5.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

18L2019

**Figure 2:** **MPFHxA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (MPFHxA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

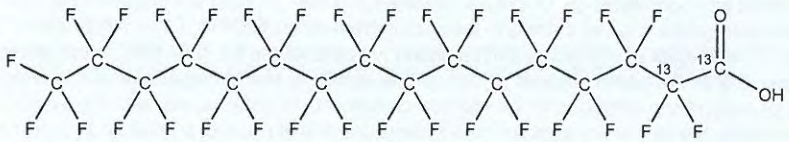
Collision Gas (mbar) = 3.55e-3
Collision Energy (eV) = 8

1812020

# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

| | | | |
|---|---|---|---|
| **PRODUCT CODE:** | M2PFHxDA | **LOT NUMBER:** | M2PFHxDA1018 |
| **COMPOUND:** | Perfluoro-n-[1,2-$^{13}C_2$]hexadecanoic acid | | |
| **STRUCTURE:** | | **CAS #:** | Not available |



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_{14}HF_{31}O_2$ | **MOLECULAR WEIGHT:** | 816.11 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol<br>Water (<1%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 10/11/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 10/11/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains 4 mole eq. of NaOH to prevent conversion of the carboxylic acid to the methyl ester.
- Contains ~ 0.3% of native perfluoro-n-hexadecanoic acid and ~ 0.2% of perfluoro-n-[$^{13}C_1$]pentadecanoic acid.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 10/19/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2020

## INTENDED USE:

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## HANDLING:

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where x is expressed as a relative standard uncertainty of the individual parameter.

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CALA Testing Accreditation No. A1226

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

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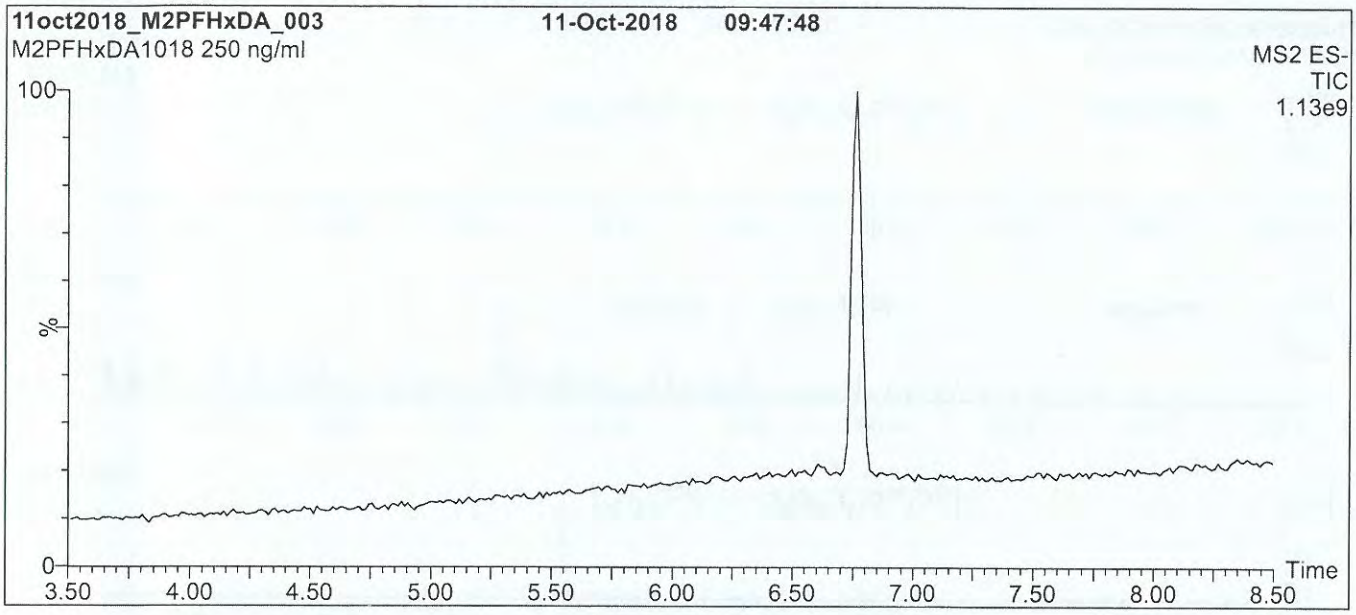
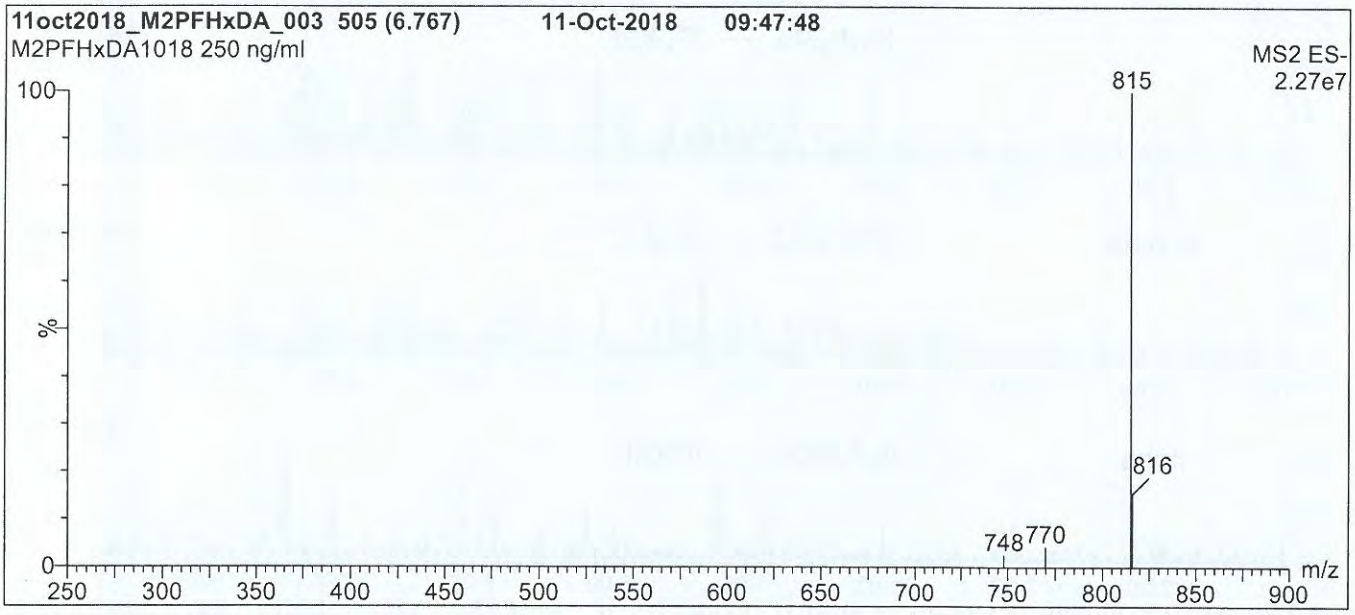
18L2020

**Figure 1:** **M2PFHxDA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 60% (80:20 MeOH:ACN) / 40% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 7 min and hold for
3 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

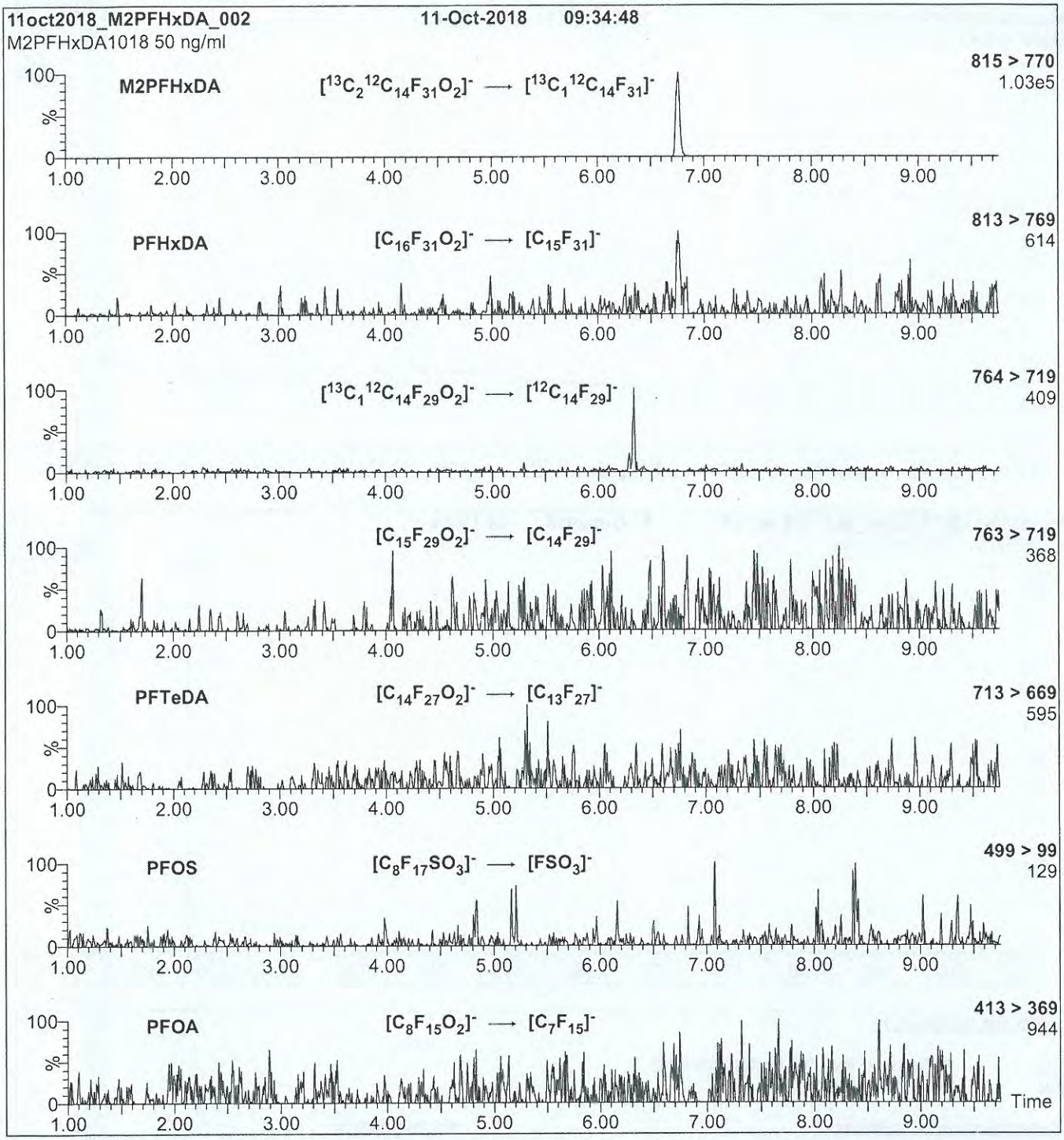
**MS Parameters**

Experiment: Full Scan (250 - 1200 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 1000

18L2020

**Figure 2:** **M2PFHxDA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M2PFHxDA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 15

1812027

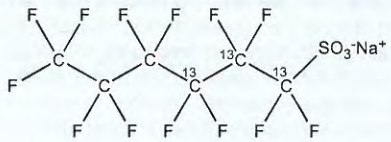
# WELLINGTON LABORATORIES

# CERTIFICATE OF ANALYSIS
## DOCUMENTATION

**PRODUCT CODE:** M3PFHxS **LOT NUMBER:** M3PFHxS0618

**COMPOUND:** Sodium perfluoro-1-[1,2,3-$^{13}C_3$]hexanesulfonate

**STRUCTURE:** **CAS #:** Not available




| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_3{}^{12}C_3F_{13}SO_3Na$ | **MOLECULAR WEIGHT:** | 425.07 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt)<br>47.3 ± 2.4 µg/ml (M3PFHxS anion) | **SOLVENT(S):** | Methanol |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2,3\text{-}^{13}C_3$) |
| **LAST TESTED:** (mm/dd/yyyy) | 06/20/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 06/20/2023 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 0.1% perfluoro-1-[1,2-$^{13}C_2$]pentanesulfonate, ~ 0.1% perfluoro-1-octanesulfonate, and ~ 0.05% of perfluoro-1-hexanesulfonate.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 06/29/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager


***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

1812027

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$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

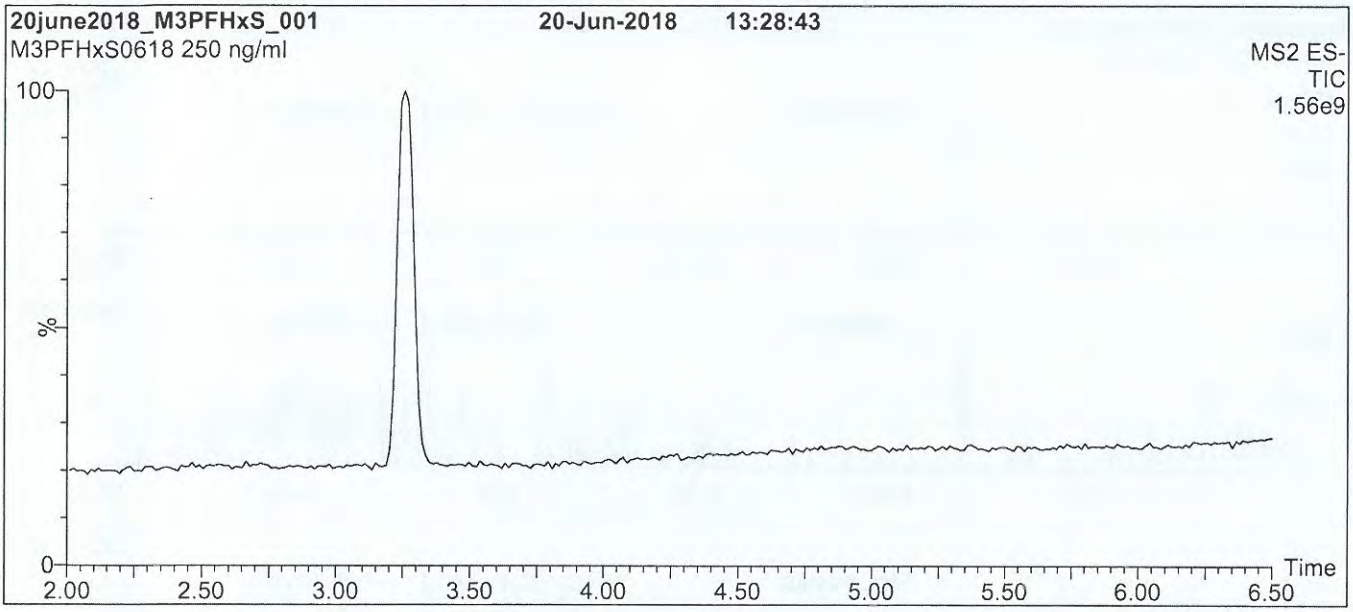
CALA Testing Accreditation No. A 1226

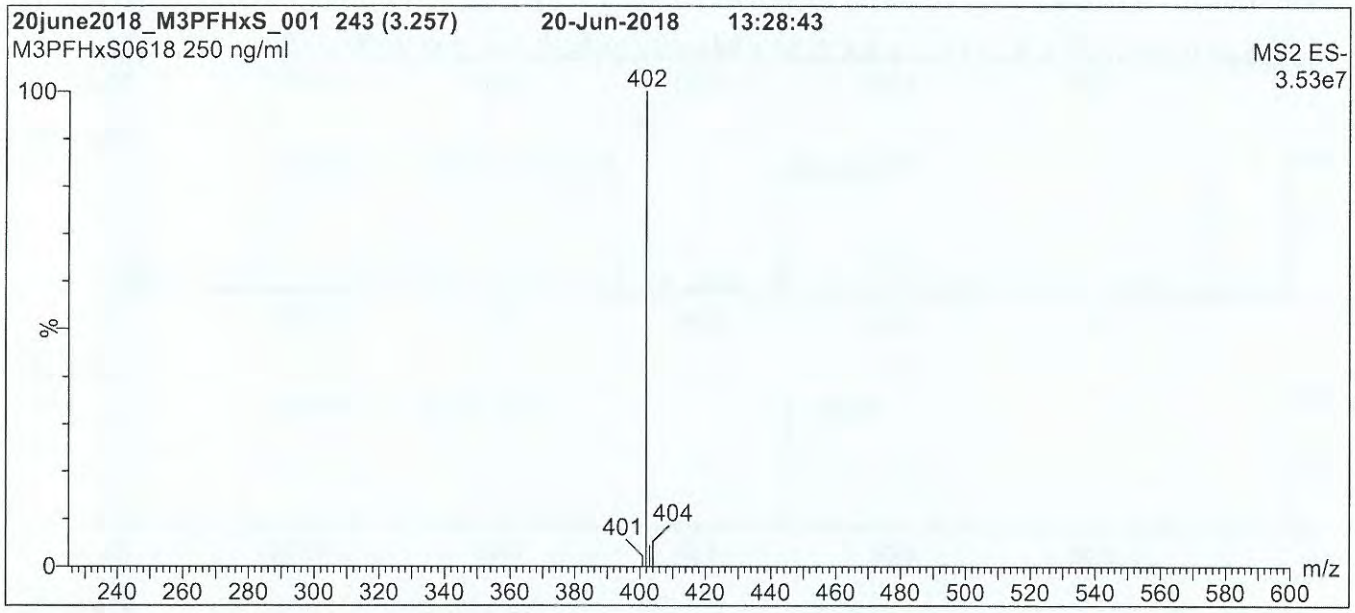
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

1812027

**Figure 1:** **M3PFHxS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 80% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

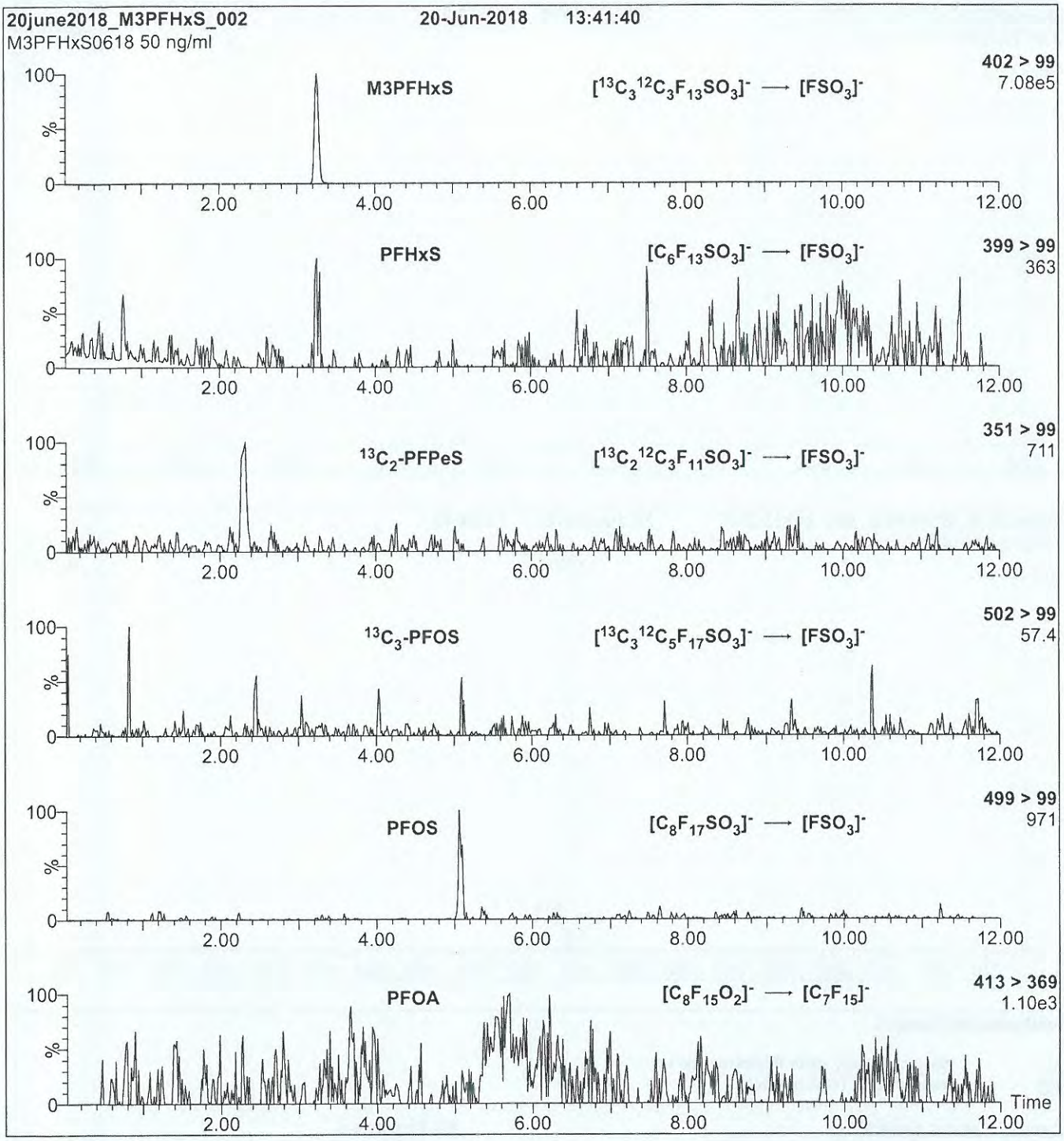
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 5.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

18L2027

**Figure 2:** **M3PFHxS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M3PFHxS)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.43e-3
Collision Energy (eV) = 36

1812077

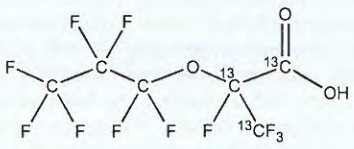
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M3HFPO-DA **LOT NUMBER:** M3HFPODA1018

**COMPOUND:** 2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-$^{13}C_3$-propanoic acid

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_3{}^{12}C_3HF_{11}O_3$ | **MOLECULAR WEIGHT:** | 333.03 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Methanol |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($^{13}C_3$) |
| **LAST TESTED:** (mm/dd/yyyy) | 10/24/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 10/24/2021 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 1.9% of the linear M3HFPO-DA isomer.
- Product is commercially known as GenX.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 10/31/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

18L2077

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

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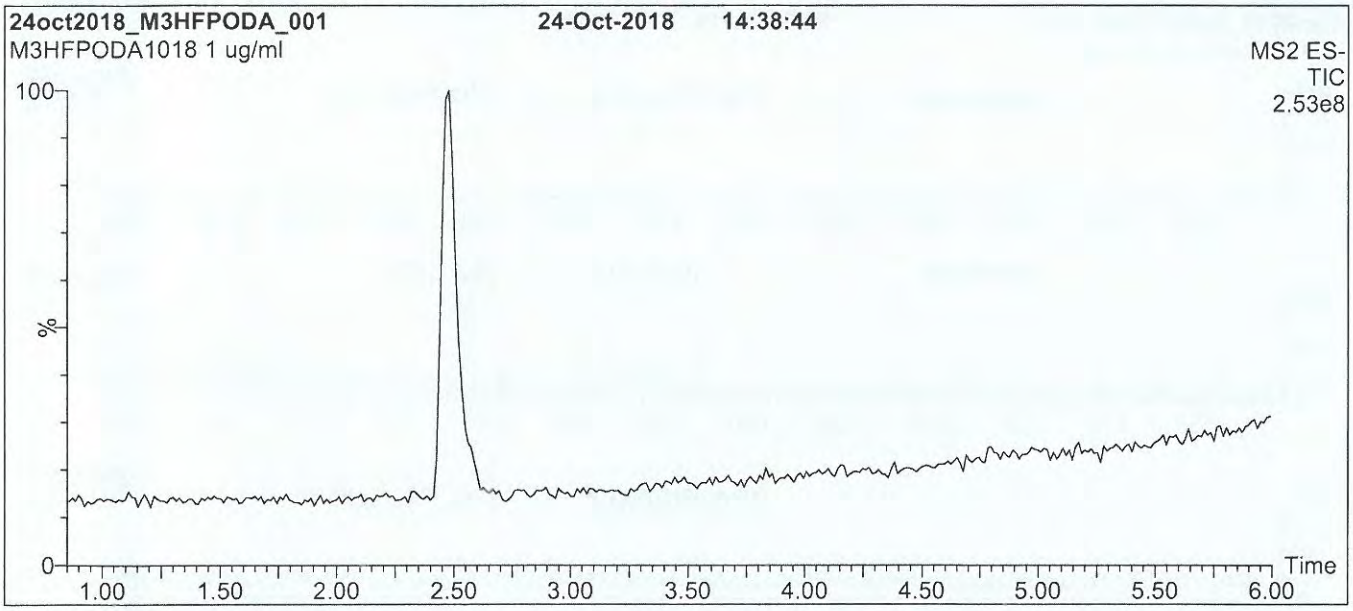
CALA Testing Accreditation No. A 1226

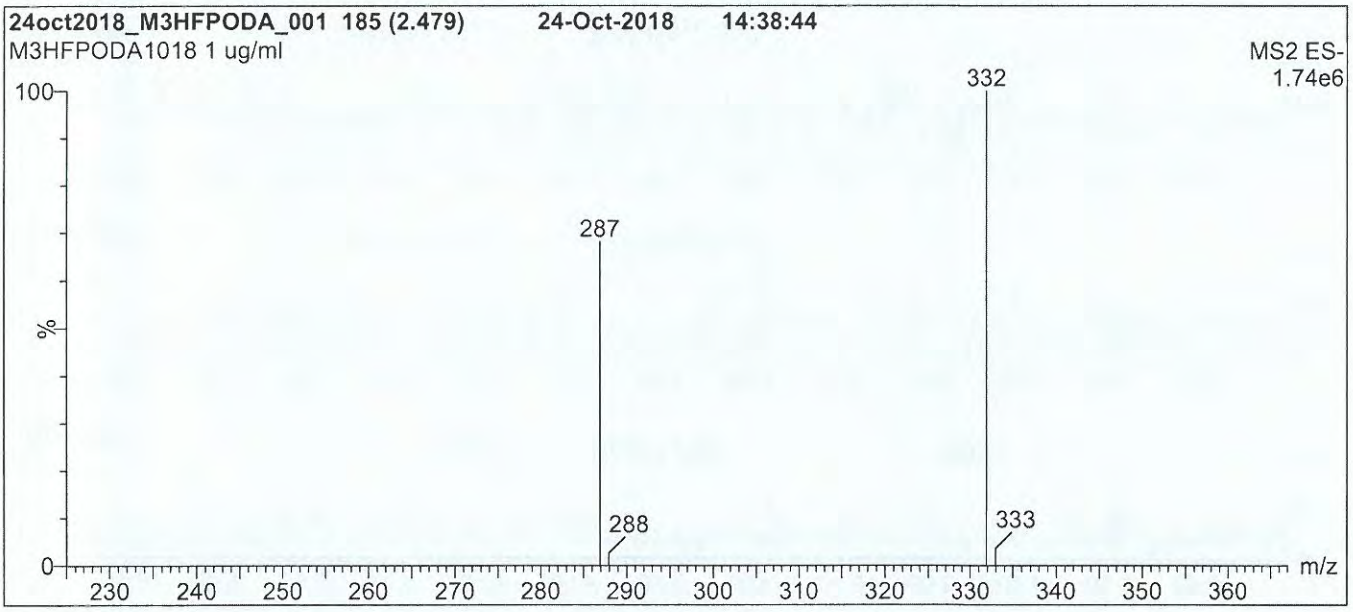
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

18L2077

**Figure 1:** **M3HFPO-DA; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 45% (80:20 MeOH:ACN) / 55% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

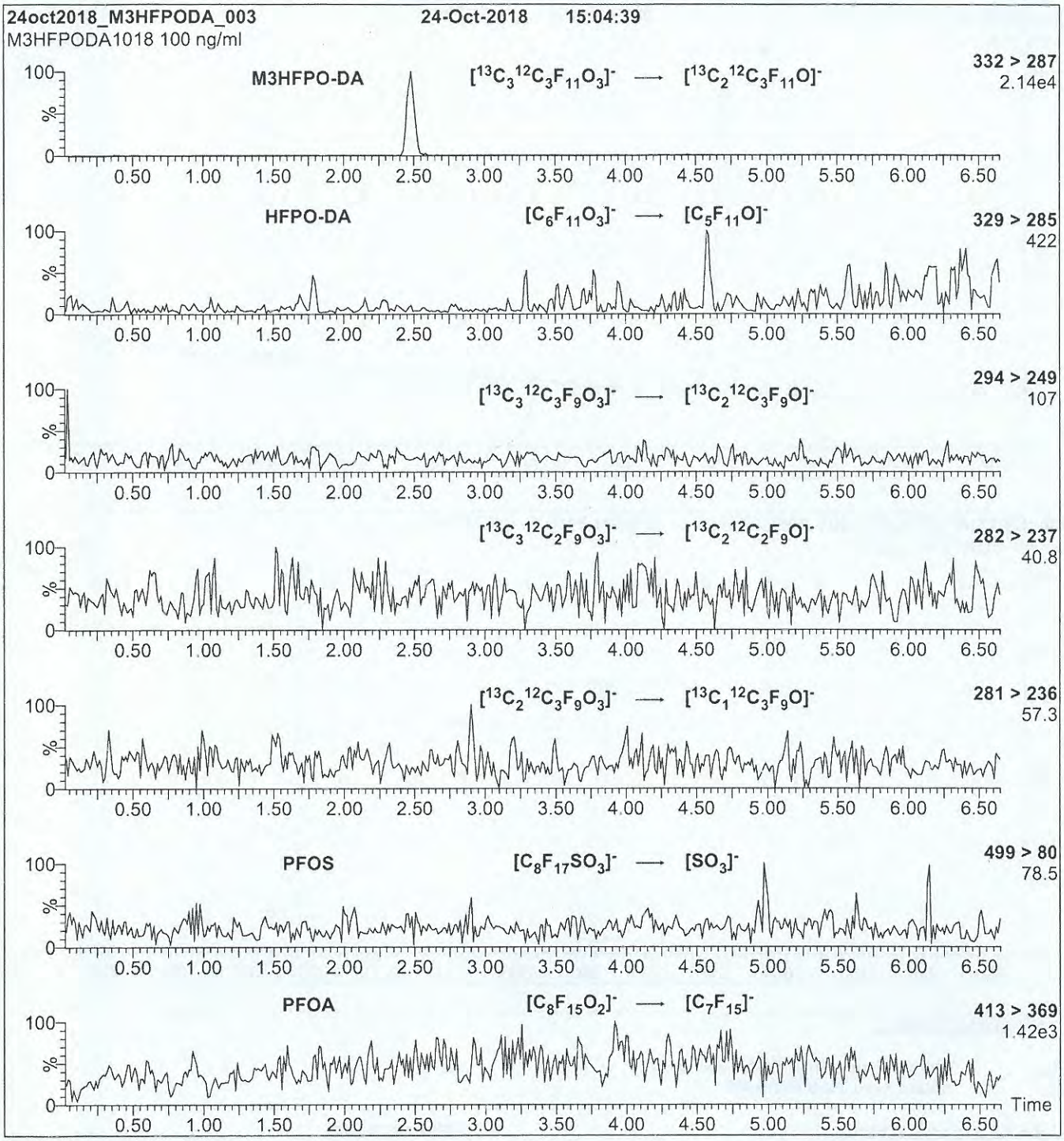
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 15.00
Desolvation Temperature (°C) = 325
Desolvation Gas Flow (l/hr) = 1000

1812077

**Figure 2:** **M3HFPO-DA; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M3HFPO-DA)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.02e-3
Collision Energy (eV) = 6

**Analytical Standard Record**

**Vista Analytical Laboratory**

**19G1701**

**Parent Standards used in this standard:**

| Standard | Description | Prepared | Prepared By | Expires | (mls) |
|---|---|---|---|---|---|
| 19A2512 | 13C2-4:2 FTS | 25-Jan-19 | ** Vendor ** | 01-Sep-22 | 1.07 |
| 19A2513 | 13C2-6:2 FTS | 25-Jan-19 | ** Vendor ** | 22-Nov-23 | 1.05 |
| 19A2514 | 13C2-8:2 FTS | 25-Jan-19 | ** Vendor ** | 28-Nov-23 | 1.04 |
| 19A2515 | 13C3-PFBA | 25-Jan-19 | ** Vendor ** | 14-Dec-22 | 1 |
| 19A2516 | 13C2-PFDA | 25-Jan-19 | ** Vendor ** | 06-Dec-23 | 1 |
| 19A2517 | 13C2-PFUdA | 25-Jan-19 | ** Vendor ** | 11-May-23 | 1 |
| 19A2518 | 13C2-PFTeDA | 25-Jan-19 | ** Vendor ** | 11-Dec-23 | 1 |
| 19A2519 | 13C5-PFNA | 25-Jan-19 | ** Vendor ** | 05-Dec-23 | 1 |
| 19A2520 | 13C2-PFDoA | 25-Jan-19 | ** Vendor ** | 16-Feb-23 | 1 |
| 19A2521 | 13C4-PFHpA | 25-Jan-19 | ** Vendor ** | 06-Jul-23 | 1 |
| 19A2522 | 13C2-PFOA | 25-Jan-19 | ** Vendor ** | 10-Oct-23 | 1 |
| 19A2523 | 13C3-PFPeA | 25-Jan-19 | ** Vendor ** | 20-Apr-22 | 1 |
| 19A2524 | 13C8-FOSA-I | 25-Jan-19 | ** Vendor ** | 10-Oct-23 | 1 |
| 19A2525 | d3-N-Me-FOSAA | 25-Jan-19 | ** Vendor ** | 09-Jan-24 | 1 |
| 19A2526 | d5-N-EtFOSAA | 25-Jan-19 | ** Vendor ** | 23-Aug-23 | 1 |
| 19A2527 | 13C3-PFBS | 25-Jan-19 | ** Vendor ** | 10-Dec-23 | 1.075 |
| 19A2528 | 13C8-PFOS | 25-Jan-19 | ** Vendor ** | 20-Sep-23 | 1.045 |
| 19A2529 | 13C3-PFHxS | 25-Jan-19 | ** Vendor ** | 20-Jun-23 | 1.06 |
| 19A2530 | 13C2-PFHxA | 25-Jan-19 | ** Vendor ** | 22-May-23 | 0.4 |
| 19A2531 | 13C2-PFHxDA | 25-Jan-19 | ** Vendor ** | 11-Oct-23 | 0.4 |
| 19A2589 | 13C3-HFPO-DA | 25-Jan-19 | ** Vendor ** | 24-Oct-21 | 1 |

| | | | |
|---|---|---|---|
| Description: | PFC - IS | Expires: | 16-Jul-21 |
| Standard Type: | Reagent | Prepared: | 17-Jul-19 |
| Solvent: | MeOH | Prepared By: | Brittany M. Lamb |
| Final Volume (mls): | 40 | Department: | LCMS |
| Vials: | 1 | Last Edit: | 17-Jul-19 08:27 by BML |

| Analyte | CAS Number | Concentration | Units |
|---|---|---|---|
| 13C3-PFBA | | 1.25 | ug/mL |
| 13C2-6:2 FTS | | 1.25 | ug/mL |
| 13C2-8:2 FTS | | 1.25 | ug/mL |
| 13C2-PFDA | | 1.25 | ug/mL |
| 13C2-PFDoA | | 1.25 | ug/mL |
| 13C2-PFHxA | | 0.5 | ug/mL |
| 13C2-PFHxDA | | 0.5 | ug/mL |
| 13C2-PFOA | | 1.25 | ug/mL |
| 13C2-PFTeDA | | 1.25 | ug/mL |
| 13C2-4:2 FTS | | 1.25 | ug/mL |
| 13C3-HFPO-DA | | 1.25 | ug/mL |
| d5-EtFOSAA | | 1.25 | ug/mL |

**Analytical Standard Record**

**Vista Analytical Laboratory**

**19G1701**

| | | | |
|---|---|---|---|
| Description: | PFC - IS | Expires: | 16-Jul-21 |
| Standard Type: | Reagent | Prepared: | 17-Jul-19 |
| Solvent: | MeOH | Prepared By: | Brittany M. Lamb |
| Final Volume (mls): | 40 | Department: | LCMS |
| Vials: | 1 | Last Edit: | 17-Jul-19 08:27 by BML |

| Analyte | CAS Number | Concentration | Units |
|---|---|---|---|
| 13C3-PFBS | | 1.25 | ug/mL |
| 13C3-PFHxS | | 1.25 | ug/mL |
| 13C3-PFPeA | | 1.25 | ug/mL |
| 13C4-PFHpA | | 1.25 | ug/mL |
| 13C5-PFNA | | 1.25 | ug/mL |
| 13C8-PFOS | | 1.25 | ug/mL |
| 13C8-PFOSA | | 1.25 | ug/mL |
| d3-MeFOSAA | | 1.25 | ug/mL |
| 13C2-PFUnA | | 1.25 | ug/mL |

19A2512

# WELLINGTON LABORATORIES

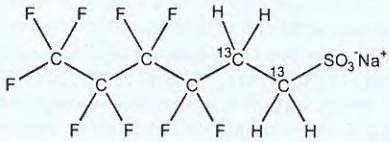
## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M2-4:2FTS **LOT NUMBER:** M242FTS0817

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]hexane sulfonate

**STRUCTURE:**

**CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_4H_4F_9SO_3Na$ | **MOLECULAR WEIGHT:** | 352.12 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 46.7 ± 2.3 µg/ml (M2-4:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 09/01/2017 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 09/01/2022 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 4:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 4:2FTS and M2-4:2FTS will produce signals in the m/z 329 to m/z 309 channel during SRM analysis. We recommend using the m/z 329 to m/z 81 transition to monitor for M2-4:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 09/29/2017 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

19A2512

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

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where x is expressed as a relative standard uncertainty of the individual parameter.

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## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using calibrated NIST and/or NRC traceable external weights. All volumetric glassware used is calibrated, of Class A tolerance, and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

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## QUALITY MANAGEMENT:

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CALA Testing Accreditation No. A 1226

ANAB ACCREDITED Reference Material Producer

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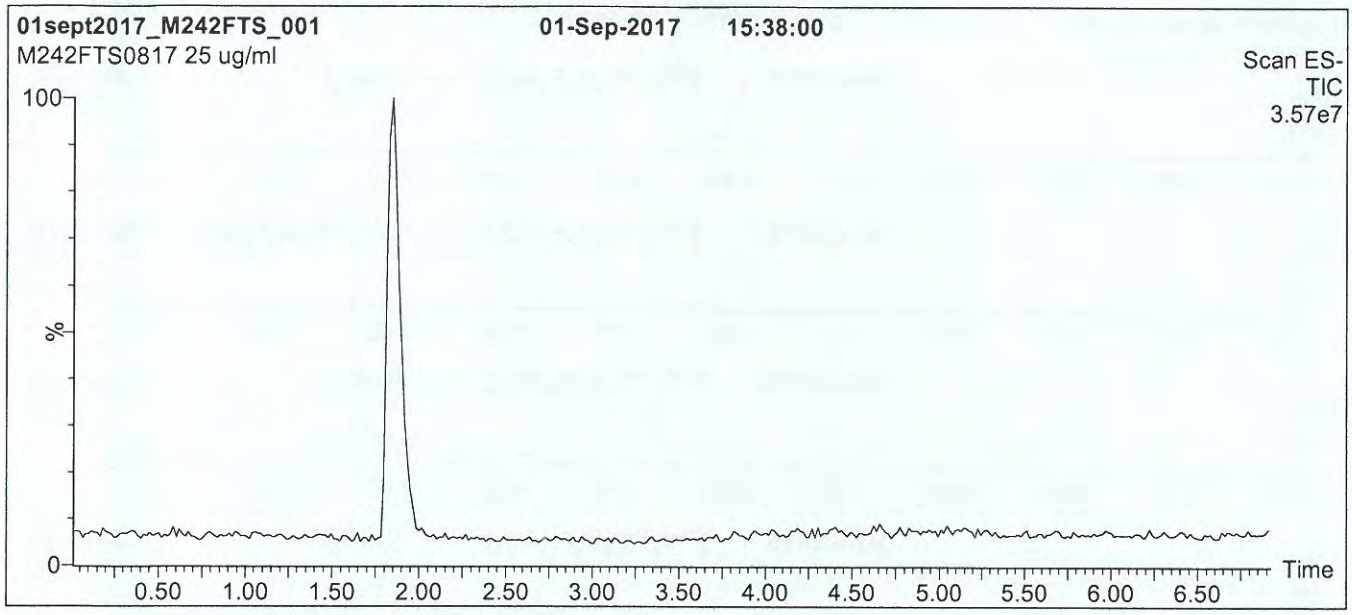
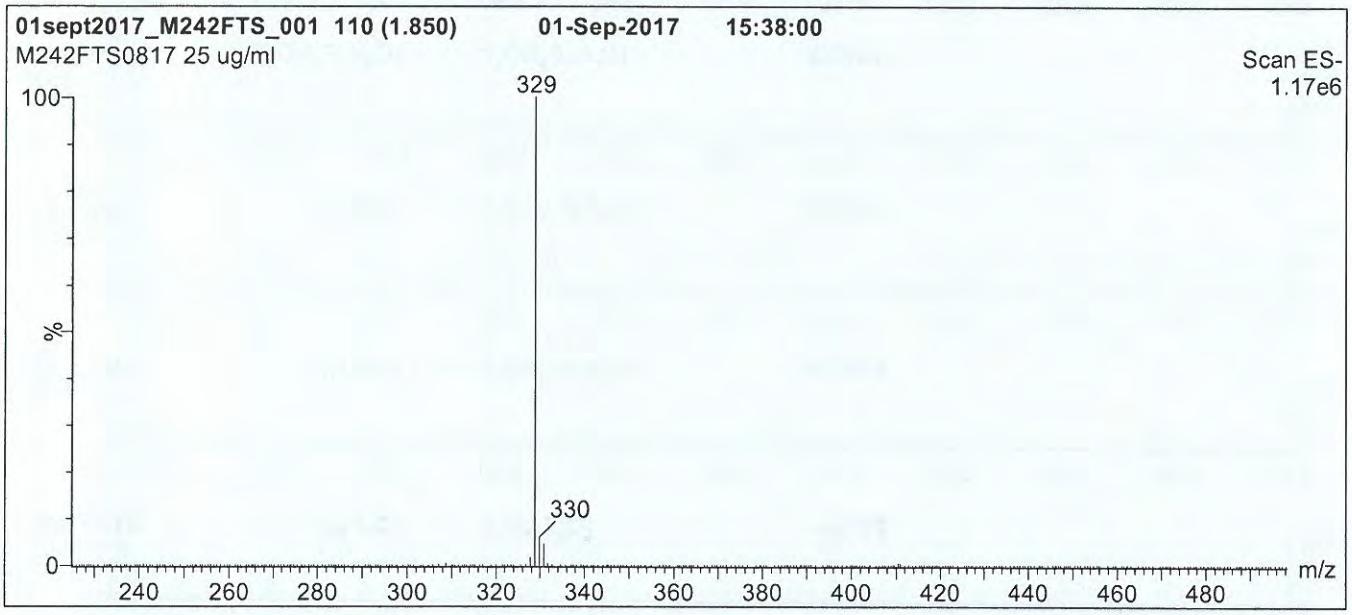
19A2512

**Figure 1:** **M2-4:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Micromass Quattro *micro* API MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min
and hold for 1 min before returning
to initial conditions in 0.5 min.
Time: 10 min

Flow: 300 µl/min

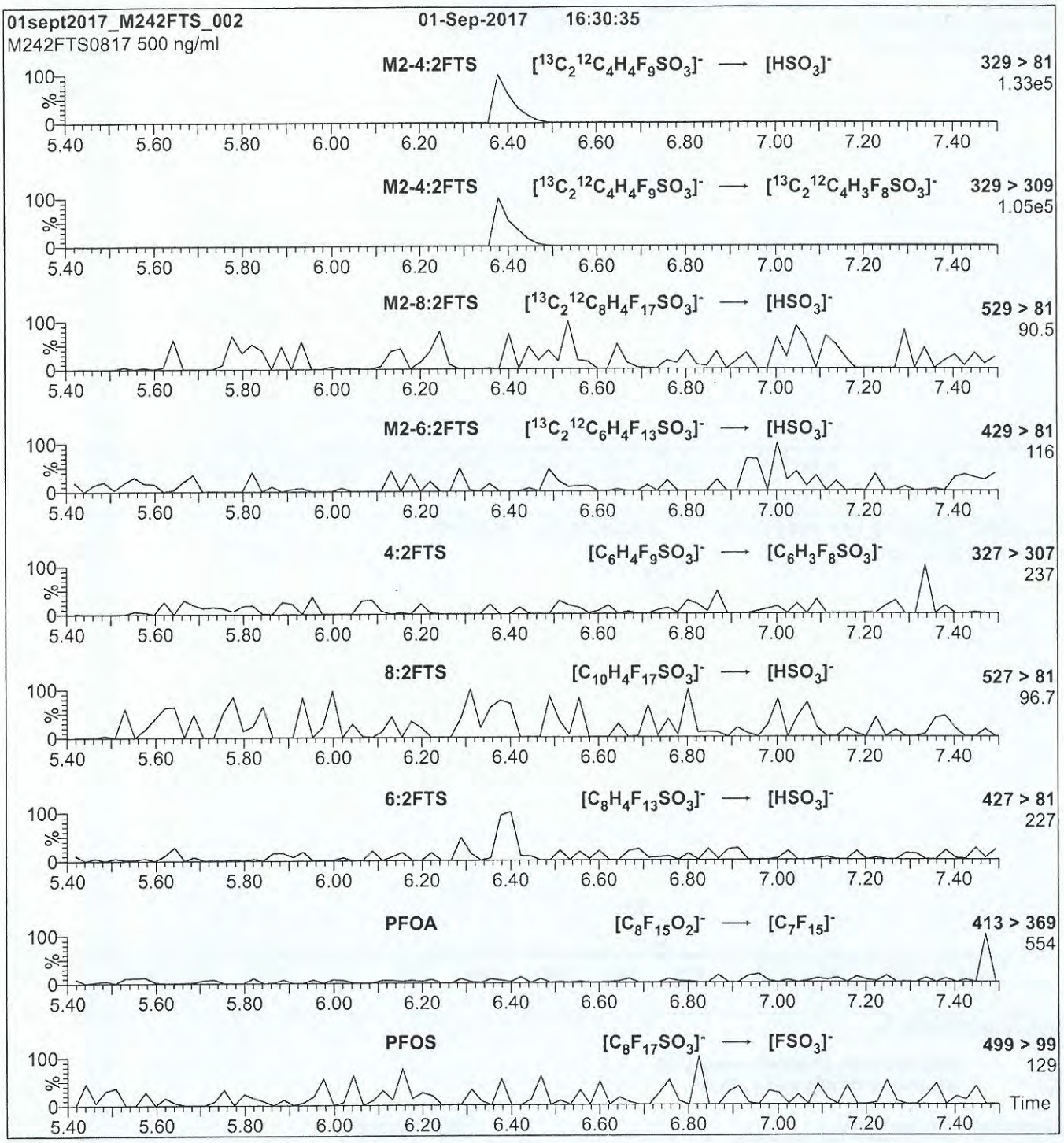
**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 3.00
Cone Voltage (V) = 25.00
Cone Gas Flow (l/hr) = 100
Desolvation Gas Flow (l/hr) = 750

19A2512

**Figure 2:** **M2-4:2FTS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: Direct loop injection
10 µl (500 ng/ml M2-4:2FTS)

Mobile phase: Isocratic 80% (80:20 MeOH:ACN) / 20% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 3.28e-3
Collision Energy (eV) = 25

19A2513

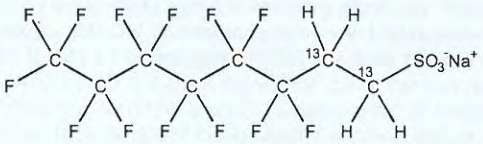
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS DOCUMENTATION

**PRODUCT CODE:** M2-6:2FTS **LOT NUMBER:** M262FTS1118

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]octane sulfonate

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_6H_4F_{13}SO_3Na$ | **MOLECULAR WEIGHT:** | 452.13 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 47.5 ± 2.4 µg/ml (M2-6:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 11/22/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 11/22/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 6:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 6:2FTS and M2-6:2FTS will produce signals in the m/z 429 to m/z 409 channel during SRM analysis. We recommend using the m/z 429 to m/z 81 transition to monitor for M2-6:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 11/26/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

19A2513

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

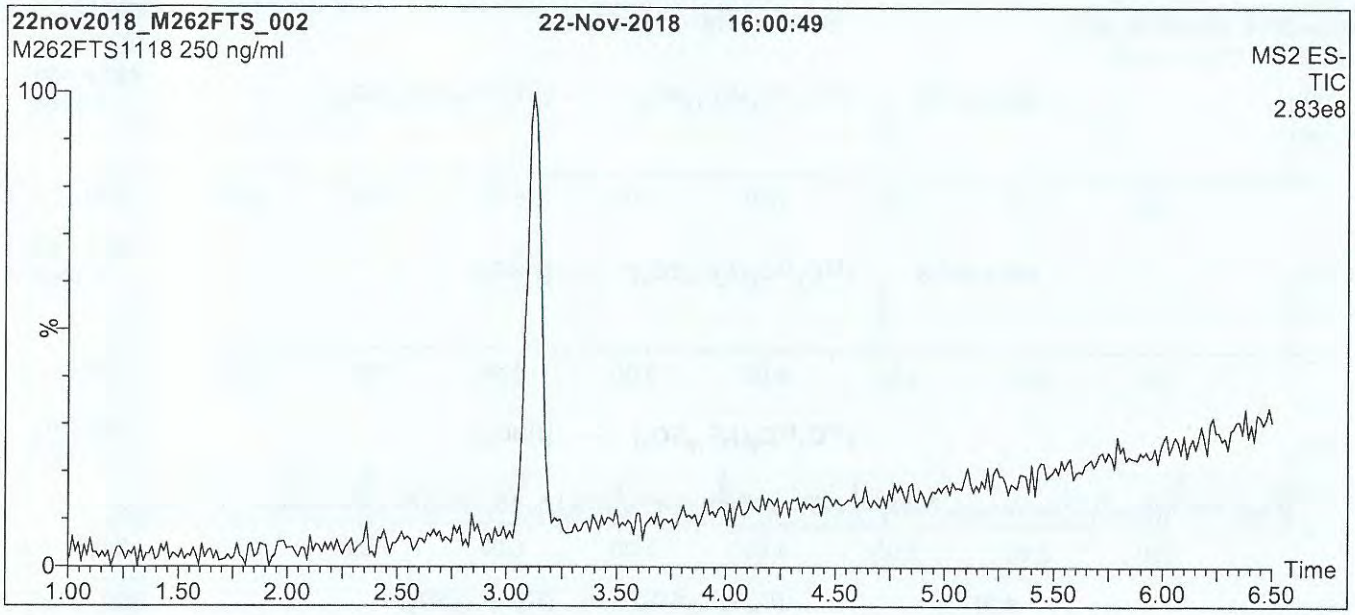
CALA Testing Accreditation No. A 1226

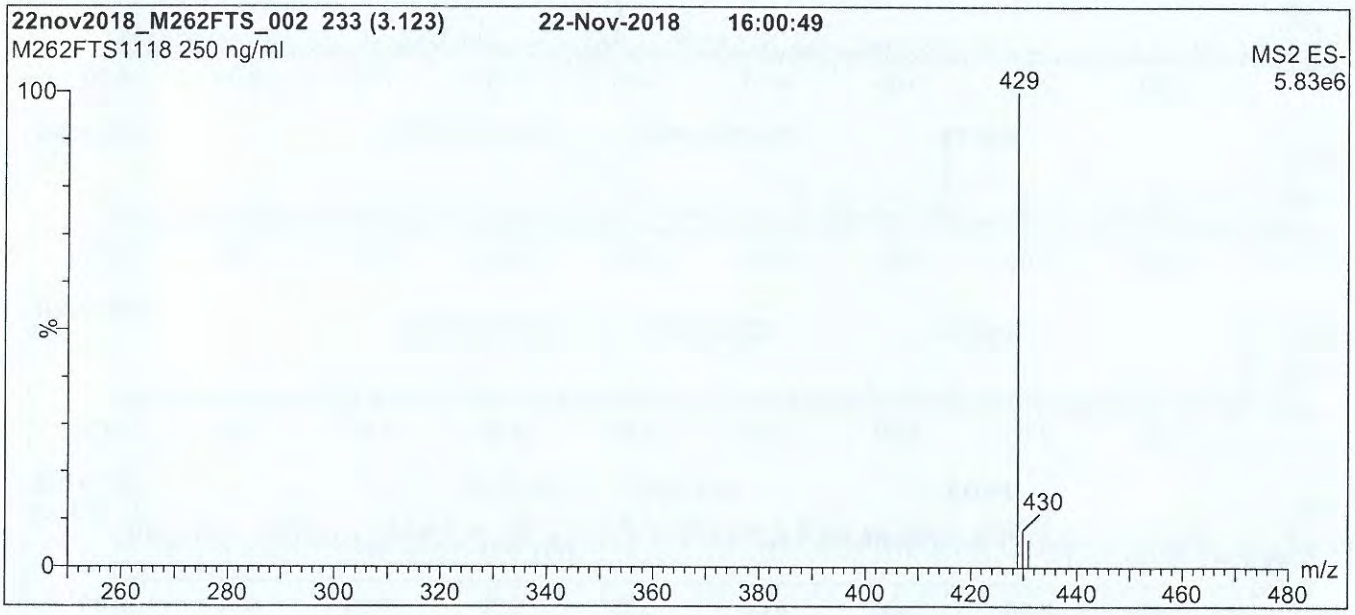
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

19A2513

**Figure 1:** **M2-6:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

**LC:** **Waters Acquity Ultra Performance LC**
**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

Column: Acquity UPLC BEH Shield $RP_{18}$
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 50% (80:20 MeOH:ACN) / 50% $H_2O$
(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

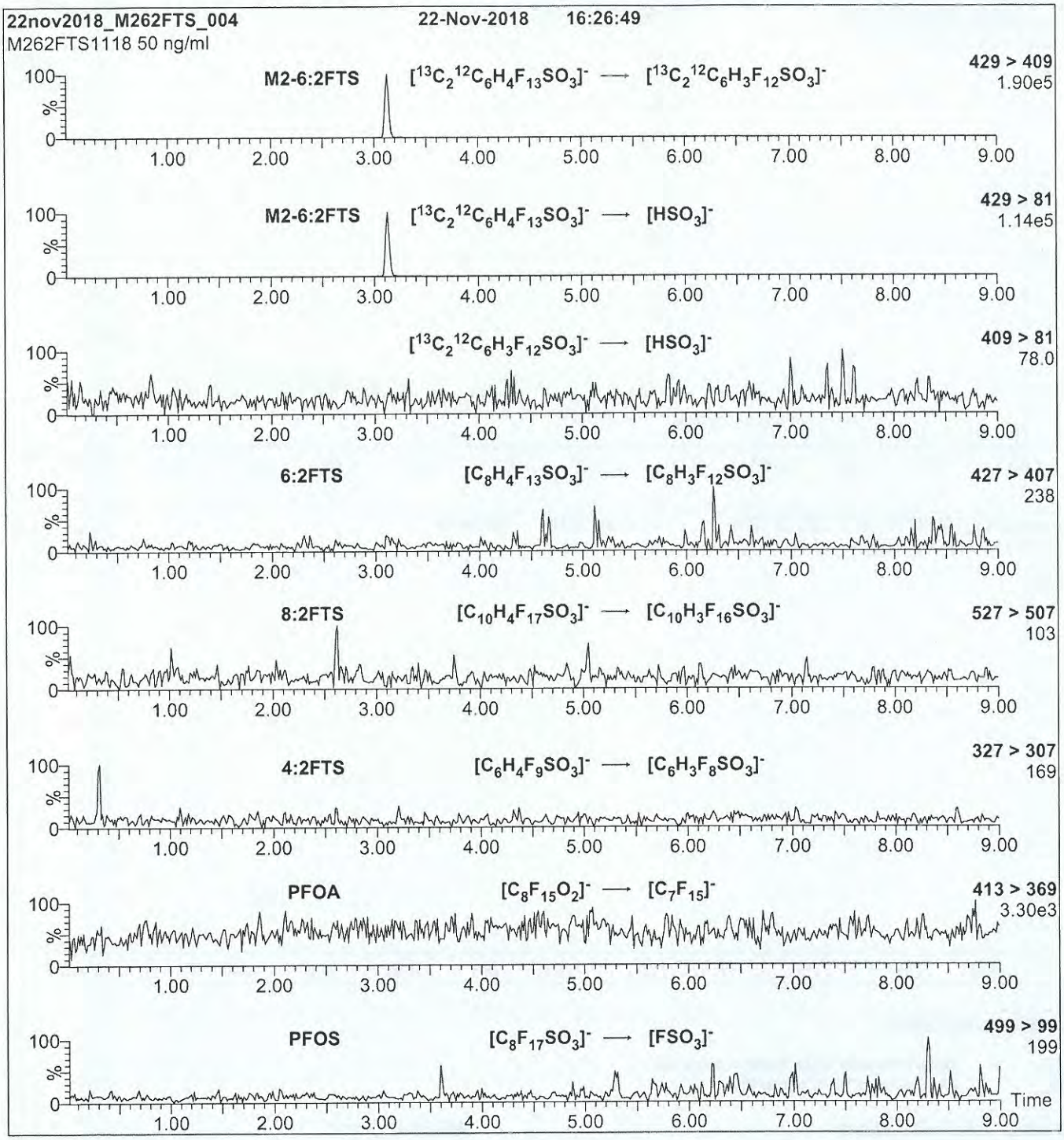
**MS Parameters**

Experiment: Full Scan (250 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 25.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750

19A2513

**Figure 2:** **M2-6:2FTS; LC/MS/MS Data (Selected MRM Transitions)**




**Conditions for Figure 2:**

Injection: On-column (M2-6:2FTS)

Mobile phase: Same as Figure 1

Flow: 300 µl/min

**MS Parameters**

Collision Gas (mbar) = 2.97e-3
Collision Energy (eV) = 20

19A2514

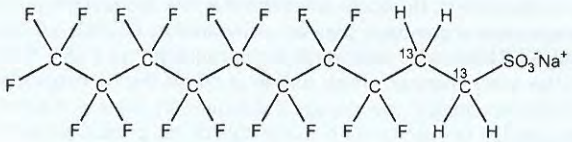
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** M2-8:2FTS **LOT NUMBER:** M282FTS1118

**COMPOUND:** Sodium 1H,1H,2H,2H-perfluoro-[1,2-$^{13}C_2$]decane sulfonate

**STRUCTURE:** **CAS #:** Not available



| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_2{}^{12}C_8H_4F_{17}SO_3Na$ | **MOLECULAR WEIGHT:** | 552.15 |
| **CONCENTRATION:** | 50.0 ± 2.5 µg/ml (Na salt) | **SOLVENT(S):** | Methanol |
| | 47.9 ± 2.4 µg/ml (M2-8:2FTS anion) | | |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% $^{13}C$ ($1,2\text{-}^{13}C_2$) |
| **LAST TESTED:** (mm/dd/yyyy) | 11/28/2018 | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 11/28/2023 | | |
| **RECOMMENDED STORAGE:** | Refrigerate ampoule | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: LC/MS Data (TIC and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- The native 8:2FTS contains 4.22% of $^{34}S$ (due to natural isotopic abundance) therefore both native 8:2FTS and M2-8:2FTS will produce signals in the m/z 529 to m/z 509 channel during SRM analysis. We recommend using the m/z 529 to m/z 81 transition to monitor for M2-8:2FTS during quantitative analysis as it will be free of any native contribution (see Figure 2).

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 11/29/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

19A2574

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CALA Testing Accreditation No. A1226

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER

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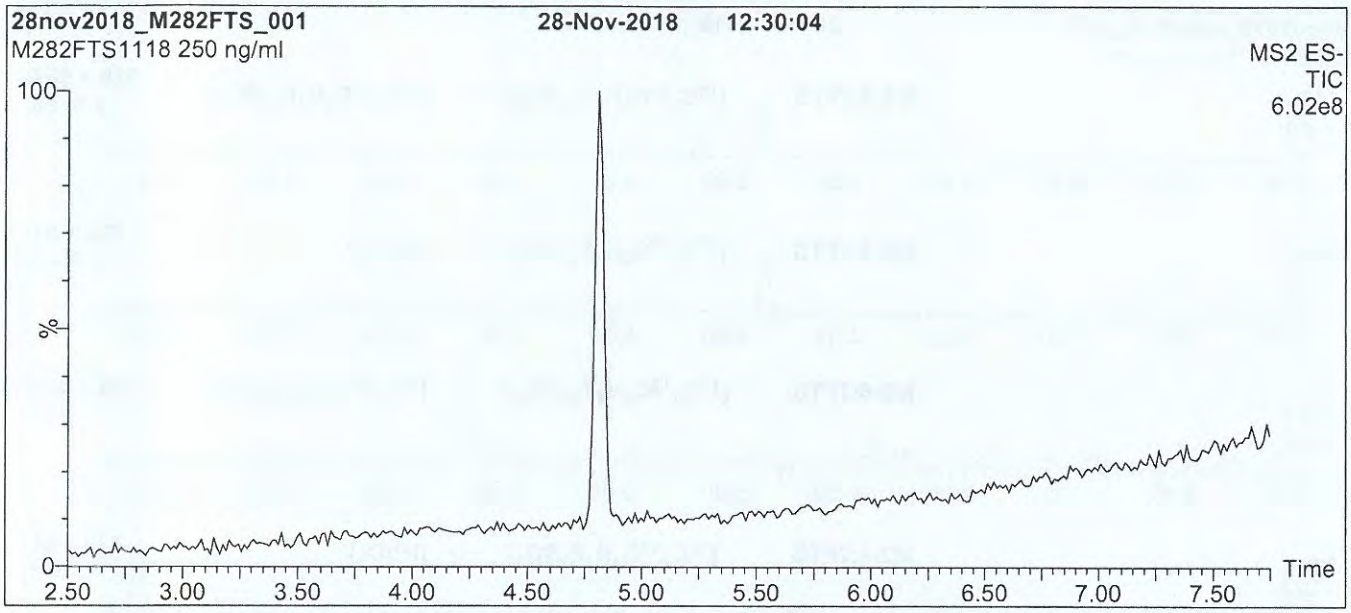
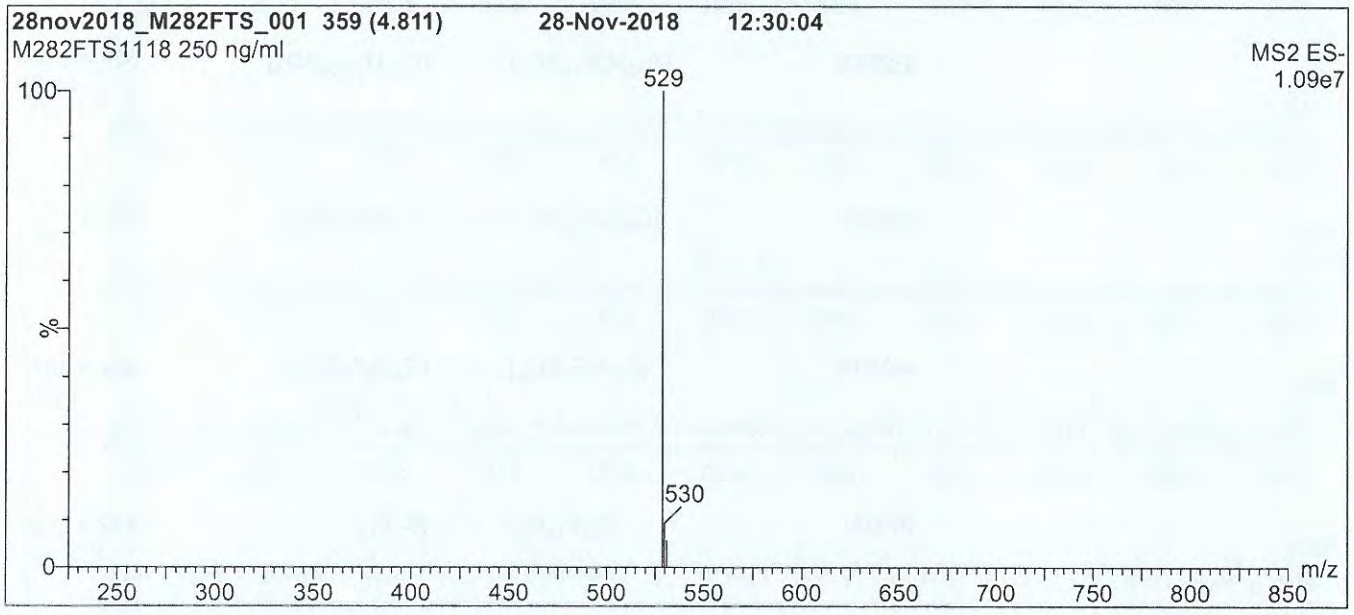
19A2514

**Figure 1:** **M2-8:2FTS; LC/MS Data (TIC and Mass Spectrum)**




**Conditions for Figure 1:**

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**MS:** **Waters Xevo TQ-S micro MS**

**Chromatographic Conditions**

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1.7 µm, 2.1 x 100 mm

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(both with 10 mM $NH_4OAc$ buffer)
Ramp to 90% organic over 8 min and hold for
2 min before returning to initial conditions in 0.75 min.
Time: 12 min

Flow: 300 µl/min

**MS Parameters**

Experiment: Full Scan (225 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 0.50
Cone Voltage (V) = 25.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (l/hr) = 750