



**Groundwater Sample Results,
Level 4 Laboratory Report, Electronic Data
Deliverable, Data Validation Report, Location
Report, SDG 1801623**

*MCAS
Tustin, CA*

April 2021



July 31, 2018

Vista Work Order No. 1801623

Ms. Kelly Kwok
KMEA
2423 Hoover Avenue
National City, CA 91950

Dear Ms. Kwok,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 07, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name '16003.008'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [mmaier@vista-analytical.com](mailto:mmmaier@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1801623

Case Narrative

Sample Condition on Receipt:

Four groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537). The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the method acceptance criteria.

The sample extracts were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The results were similar in the second injections of "SP-NorthEFF-20180706" and "SP-SouthEFF-20180706" and the results from the original injections have been reported. The area criteria passed for the second injections of "SP-NorthINF-20180706" and "SP-SouthINF-20180706" and the results from the re-injection have been reported.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1801623-01	SP-NorthINF-20180706	06-Jul-18 09:35	07-Jul-18 09:41	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801623-02	SP-NorthEFF-20180706	06-Jul-18 09:30	07-Jul-18 09:41	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801623-03	SP-SouthINF-20180706	06-Jul-18 10:10	07-Jul-18 09:41	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801623-04	SP-SouthEFF-20180706	06-Jul-18 10:05	07-Jul-18 09:41	HDPE Bottle, 250 mL HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					PFAS Isotope Dilution Method					
Client Data Name: KMEA Project: 16003.008 Matrix: Aqueous					Laboratory Data Lab Sample: B8G0119-BLK1 Column: BEH C18					
Analyte	CAS Number	Conc. (ng/L)	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFHxA	307-24-4	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFHpA	375-85-9	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFHxS	355-46-4	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFOA	335-67-1	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFNA	375-95-1	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFOS	1763-23-1	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFDA	335-76-2	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
MeFOSAA	2355-31-9	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
EtFOSAA	2991-50-6	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFOA	2058-94-8	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFDoA	307-55-1	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFTeDA	72629-94-8	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
PFTeDA	376-06-7	ND	2.00	4.00		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	99.0	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFHxA	IS	77.4	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C4-PFHxA	IS	83.3	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
18O2-PFHxS	IS	77.2	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFOA	IS	76.1	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C5-PFNA	IS	79.4	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C8-PFOS	IS	74.2	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFDA	IS	63.6	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
d3-MeFOSAA	IS	64.9	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
d5-EtFOSAA	IS	65.3	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFOA	IS	63.1	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFDoA	IS	65.1	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1
13C2-PFTeDA	IS	70.4	50 - 150			B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:56	1

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR						PFAS Isotope Dilution Method					
Client Data Name: KMEA Project: 16003.008 Matrix: Aqueous						Laboratory Data Lab Sample: B8G0119-BS1 Column: BEH C18					
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	46.9	40.0	117	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFHxA	307-24-4	42.4	40.0	106	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFHpA	375-85-9	42.3	40.0	106	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFHxS	355-46-4	49.0	40.0	122	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFOA	335-67-1	42.2	40.0	106	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFNA	375-95-1	44.4	40.0	111	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFOS	1763-23-1	39.9	40.0	99.6	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFDA	335-76-2	39.4	40.0	98.4	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
MeFOSAA	2355-31-9	42.5	40.0	106	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
EtFOSAA	2991-50-6	38.8	40.0	96.9	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFUnA	2058-94-8	43.3	40.0	108	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFDaA	307-55-1	46.2	40.0	116	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFTTrDA	72629-94-8	47.7	40.0	119	60 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
PFTeDA	376-06-7	45.3	40.0	113	70 - 130		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
Labeled Standards	Type			% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS			101	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFHxA	IS			86.7	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C4-PFHpA	IS			89.4	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
18O2-PFHxS	IS			81.5	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFOA	IS			85.7	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C5-PFNA	IS			77.7	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C8-PFOS	IS			82.6	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFDA	IS			67.4	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
d3-MeFOSAA	IS			66.0	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
d5-EtFOSAA	IS			66.2	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFUnA	IS			65.7	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFDaA	IS			63.4	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1
13C2-PFTeDA	IS			68.5	50- 150		B8G0119	17-Jul-18	0.250 L	22-Jul-18 21:45	1

Sample ID: SP-NorthINF-20180706					PFAS Isotope Dilution Method					
Client Data Name: KMEA Project: 16003.008 Location: Former MCAS Tustin					Laboratory Data Lab Sample: 1801623-01 Date Received: 07-Jul-18 09:41 Column: BEH C18					
Matrix: Groundwater Date Collected: 06-Jul-18 09:35										
Analyte	CAS Number	Conc. (ng/L)	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	127	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFHxA	307-24-4	434	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFHpA	375-85-9	127	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFHxS	355-46-4	613	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFOA	335-67-1	630	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFNA	375-95-1	4.30	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFOS	1763-23-1	598	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFDA	335-76-2	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
MeFOSAA	2355-31-9	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
EtFOSAA	2991-50-6	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFA	2058-94-8	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFDa	307-55-1	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFTDA	72629-94-8	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
PFTeDA	376-06-7	ND	1.93	3.86		B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	113	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFHxA	IS	77.6	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C4-PFHxA	IS	79.5	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
18O2-PFHxS	IS	80.7	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFOA	IS	76.5	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C5-PFNA	IS	75.4	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C8-PFOS	IS	70.1	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFDA	IS	61.3	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
d3-MeFOSAA	IS	60.6	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
d5-EtFOSAA	IS	64.2	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFA	IS	55.5	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFDa	IS	64.3	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1
13C2-PFTeDA	IS	64.8	50 - 150			B8G0119	17-Jul-18	0.259 L	22-Jul-18 23:30	1

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SP-NorthEFF-20180706	PFAS Isotope Dilution Method

Client Data	Laboratory Data
Name: KMEA	Lab Sample: 1801623-02
Project: 16003.008	Date Received: 07-Jul-18 09:41
Location: Former MCAS Tustin	Column: BEH C18
Matrix: Groundwater	Date Collected: 06-Jul-18 09:30

Analyte	CAS Number	Conc. (ng/L)	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	1.98	1.95	3.90	J	B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFHxA	307-24-4	12.8	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFHpA	375-85-9	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFHxS	355-46-4	2.09	1.95	3.90	J	B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFOA	335-67-1	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFNA	375-95-1	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFOS	1763-23-1	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFDA	335-76-2	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
MeFOSAA	2355-31-9	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
EtFOSAA	2991-50-6	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFUnA	2058-94-8	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFDaA	307-55-1	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFTDA	72629-94-8	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
PFTeDA	376-06-7	ND	1.95	3.90		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	122	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFHxA	IS	81.4	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C4-PFHxA	IS	81.6	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
18O2-PFHxS	IS	79.1	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFOA	IS	79.0	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C5-PFNA	IS	63.3	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C8-PFOS	IS	74.5	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFDA	IS	62.2	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
d3-MeFOSAA	IS	62.7	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
d5-EtFOSAA	IS	65.3	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFUnA	IS	57.2	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFDaA	IS	72.0	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1
13C2-PFTeDA	IS	69.8	50 - 150		B8G0119	17-Jul-18	0.257 L	22-Jul-18 23:40	1

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SP-SouthINF-20180706 **PFAS Isotope Dilution Method**

Client Data					Laboratory Data				
Name:	KMEA	Matrix:	Groundwater		Lab Sample:	1801623-03	Column:	BEH C18	
Project:	16003.008	Date Collected:	06-Jul-18 10:10		Date Received:	07-Jul-18 09:41			
Location:	Former MCAS Tustin								

Analyte	CAS Number	Conc. (ng/L)	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	769	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFHxA	307-24-4	2850	19.2	38.3	D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
PFHpA	375-85-9	934	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFHxS	355-46-4	4500	19.2	38.3	D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
PFOA	335-67-1	9030	19.2	38.3	D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
PFNA	375-95-1	24.1	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFOS	1763-23-1	3690	19.2	38.3	D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
PFDA	335-76-2	1.81	1.92	3.83	J	B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
MeFOSAA	2355-31-9	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
EtFOSAA	2991-50-6	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFUnA	2058-94-8	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFDaA	307-55-1	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFTeDA	72629-94-8	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
PFTeDA	376-06-7	ND	1.92	3.83		B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
13C2-PFHxA	IS	94.8	50 - 150		D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
13C4-PFHpA	IS	93.5	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
18O2-PFHxS	IS	78.2	50 - 150		D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
13C2-PFOA	IS	90.9	50 - 150		D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
13C5-PFNA	IS	76.4	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
13C8-PFOS	IS	61.3	50 - 150		D	B8G0119	17-Jul-18	0.261 L	27-Jul-18 13:36	10
13C2-PFDA	IS	69.2	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
d3-MeFOSAA	IS	61.0	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
d5-EtFOSAA	IS	64.8	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
13C2-PFUnA	IS	63.7	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
13C2-PFDaA	IS	65.7	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1
13C2-PFTeDA	IS	67.7	50 - 150			B8G0119	17-Jul-18	0.261 L	22-Jul-18 23:51	1

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SP-SouthEFF-20180706	PFAS Isotope Dilution Method

Client Data	Laboratory Data
Name: KMEA	Lab Sample: 1801623-04
Project: 16003.008	Date Received: 07-Jul-18 09:41
Location: Former MCAS Tustin	Column: BEH C18
Matrix: Groundwater	Date Collected: 06-Jul-18 10:05

Analyte	CAS Number	Conc. (ng/L)	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFHxA	307-24-4	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFHpA	375-85-9	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFHxS	355-46-4	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFOA	335-67-1	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFNA	375-95-1	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFOS	1763-23-1	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFDA	335-76-2	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
MeFOSAA	2355-31-9	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
EtFOSAA	2991-50-6	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFOA	2058-94-8	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFDoA	307-55-1	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFTeDA	72629-94-8	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
PFTeDA	376-06-7	ND	1.91	3.82		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	124	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFHxA	IS	84.1	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C4-PFHxA	IS	82.1	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
18O2-PFHxS	IS	84.4	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFOA	IS	81.8	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C5-PFNA	IS	76.3	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C8-PFOS	IS	80.0	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFDA	IS	72.5	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
d3-MeFOSAA	IS	61.7	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
d5-EtFOSAA	IS	71.7	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFUnA	IS	66.7	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFDoA	IS	71.2	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1
13C2-PFTeDA	IS	71.2	50 - 150		B8G0119	17-Jul-18	0.262 L	23-Jul-18 00:33	1

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.



CHAIN OF CUSTODY

For Laboratory Use Only

Work Order #: 1801623 Temp: 0.8 °C

Storage ID: WR-2 Storage Secured: Yes ☒ No ☐

Project ID: 16003.008 PO#: P0000798 Sampler: Kelly Kwok
(name)

TAT Standard: ☐ 21 days
(check one): Rush (surcharge may apply)
☒ 14 days ☐ 7 days Specify:

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Invoices	KMEA	2423 Hoover Avenue	National City	CA	(619) 399-5900	(619) 434-3510

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kelly Knox <i>[Signature]</i>	7/6/18	1230	Bethina Benedict <i>[Signature]</i>	07/07/18	0944
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN:

Method of Shipment:

Tracking No.:

Add Analysis(es) Requested

Container(s)

Mod. EPA
Method 537

EPA Method
537(DW only)

[illegible]

Special Instructions/Comments:

**SEND
DOCUMENTATION
AND RESULTS TO:**

Name: Kelly Kwok | Kurt Myers | Kim Shiroodi
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
Email: kkwok@kmac.net *

Container Types: P= HDPE, PJ= HDPE Jar
O = Other:

Bottle Preservation Type: T = Thiosulfate,
TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: Groundwater

* kurt.myers@woodpile.com
kimberly.shiroodi@woodpile.com

Sample Log-in Checklist

Vista Work Order #: 1801623 TAT 14 days

Samples Arrival:	Date/Time: <u>07/07/18 0941</u>	Initials: <u>WWS</u>	Location: <u>WR-2</u> Shelf/Rack: <u>NA</u>
Logged In:	Date/Time: <u>07/07/18 1309</u>	Initials: <u>WWS</u>	Location: <u>WR-2</u> Shelf/Rack: <u>F-5</u>
Delivered By:	☒ FedEx ☐ UPS ☐ On Trac ☐ GSO ☐ DHL ☐ Hand Delivered ☐ Other		
Preservation:	☒ Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
Temp °C: <u>0.9</u> (uncorrected)	Time: <u>0946</u>		Thermometer ID: <u>IR-4</u>
Temp °C: <u>0.8</u> (corrected)	Probe used: Yes ☐ No ☒		

		YES	NO	NA
Adequate Sample Volume Received?		<u>WWS</u>		
Holding Time Acceptable?		<u>WWS</u>		
Shipping Container(s) Intact?		<u>WWS</u>		
Shipping Custody Seals Intact?		<u>WWS</u>		
Shipping Documentation Present?		<u>WWS</u>		
Airbill	Trk # <u>7817 43215610</u>	<u>WWS</u>		
Sample Container Intact?		<u>WWS</u>		
Sample Custody Seals Intact?				<u>WWS</u>
Chain of Custody / Sample Documentation Present?		<u>WWS</u>		
COC Anomaly/Sample Acceptance Form completed?			<u>WWS</u>	<u>WWS</u>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				<u>WWS</u>
Preservation Documented:	Na ₂ S ₂ O ₃ ☐ Trizma ☐ None ☒ Yes ☐ No ☐ NA			
Shipping Container	Vista ☐ Client ☒ Retain ☐ Return ☒ Dispose			

Comments:

EXTRACTION INFORMATION

Process Sheet
Workorder: **1801623**

Workorder Due: **23-Jul-18 00:00**

TAT: 16

Prep Expiration: 2018-Jul-20
Client: KMEA

Method: **537M PFAS DOD (LOQ as mRL)**
Matrix: **Aqueous**

Prep Batch: **B860119**

Prep Data Entered: **W 7/19/18**
Date and Initials

Version: 537 (14 Analyte)
DoD: DoD QSM 5.1

Initial Sequence: _____

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1801623-01	B	☒	☒	SP-NorthINF-20180706		WR-2 F-5	HDPE Bottle, 250 mL
1801623-02		☒	☒	SP-NorthEFF-20180706		WR-2 F-5	HDPE Bottle, 250 mL
1801623-03		☒	☒	SP-SouthINF-20180706		WR-2 F-5	HDPE Bottle, 250 mL
1801623-04		☒	☒	SP-SouthEFF-20180706		WR-2 F-5	HDPE Bottle, 250 mL

RX

Pre-Prep Check Out: **HN 7/16/18**
Pre-Prep Check In: **HN 7/16/18**
HN 7/17/18

Prep Check Out: **AE 7/17/18**
Prep Check In: **NA**

Prep Reconciled Initials/Date: **HN 7/16/18**
Spike Reconciled Initials/Date: **AE 7/17/18**
VialBoxID: **Bermuda Triangle**

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0119

 Chemist: FR
 Prep Date: 7-17-18
 Prep Time: 11:50

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>7/17/18</u> <u>ae</u>				Balance ID: <u>HAM3-10</u>					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	B8G0119-BLK1	7	2	Ø	6	NA	NA	(0.250)	FR ae 7-17-18	FR 7-17-18	LC ae 7/18/18
☐	B8G0119-BS1	7	2	Ø	6	↓	↓	(0.250)	T	T	T
☐	B8G0119-MS1 1801679-03	7	~~7.5~~ <u>7.2</u>	Ø	~~7.7~~ <u>7.7</u>	146.97	26.74	0.12023	T	T	T
☐	B8G0119-MSD1 1801679-03	7	~~7.5~~ <u>7.2</u>	Ø	~~7.7~~ <u>7.7</u>	147.78	26.75	0.12103	T	T	T
☐	1801547-01RE1	7	2	Ø	~~7.6~~ <u>7.6</u>	145.39	26.79	0.11860	T	T	T
☐	1801547-02RE1	7	2	Ø	~~7.6~~ <u>7.6</u>	146.57	26.69	0.11988	T	T	T
☐	1801548-01RE1	7	2	Ø	6	149.39	26.93	0.12246	T	T	T
☐	1801548-02RE1	7	2	Ø	6	145.99	26.54	0.11945	T	T	T
☐	1801599-01RE1	7	2	Ø	7	148.81	26.91	0.12190	T	T	T
☐	1801600-01RE1	7	2	Ø	6	149.11	26.87	0.12224	T	T	T
☐	1801623-01RE1	6	2	Ø	8	296.58	37.48	0.25910 ✓	T	T	T
☐	1801623-02RE1	6	2	Ø	8	294.11	37.40	0.25671 ✓	T	T	T
☐	1801623-03RE1	6	2	Ø	8	298.48	37.48	0.26100 ✓	T	T	T
☐	1801623-04RE1	6	2	Ø	8	299.05	37.24	0.26181 ✓	T	T	T
☐	1801679-01	7	2	Ø	8	146.65	26.90	0.11975	T	T	T
☐	1801679-02	7	2	Ø	7	148.97	27.00	0.12197	T	T	T

IS: <u>18F0405, 10 µL</u> <u>7/17/18</u> <u>ae</u> <u>(V4)</u> IS SUP: <u>NA</u> NS: <u>18F2025, 10 µL</u> <u>(V4)</u> RS: <u>18F0406, 10 µL</u> <u>(V4)</u>	SPE Chem: <u>X-AW 33 µm</u> <u>200 mg</u> <u>6 mL</u> Ele SOLV: <u>MeOH/0.5% NH₄OH in MeOH</u> Final Volume(s) <u>1 mL</u>	Notes: <u>Trezza added to QC's HN 7/17/18</u> <u>Envicarb lot: 10262101 LC 7/18/18</u>

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0119

Chemist: 7R
Prep Date: 7-17-18
Prep Time: 11:50

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initials: <u>7/17/18 ae</u>		Balance ID: <u>HRMS-10</u>									
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	1801679-03	7	2	Φ	7	150.70	26.78	0.12392	7R ae 7-17-18	7R 7-17-18	VC ae 7/18/18
☐	1801679-04	7	2	Φ	7	150.40	26.81	0.12359	T	T	T
☐	1801680-01	7	2	Φ	7	147.67	26.83	0.12084	T	T	T
☐	1801680-02	7	2	Φ	7	146.32	26.46	0.11986	T	T	T
☐	1801680-03	7	2	Φ	7	146.69	26.59	0.12010	T	T	T

IS: <u>18F0405, 10 mL (V3)</u> IS SUP: <u>NA</u> NS: <u>18F2025, 10 mL (V4)</u> RS: <u>18F0406, 10 mL (V4)</u>	SPE Chem: <u>X-AW 33 μm 200 mg 6 mL</u> Ele SOLV: <u>MeOH/0.5% NH4OH in MeOH</u> Final Volume(s): <u>1 mL</u>	Notes:

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Work Order 1801623

Batch: B8G0119

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1801547-01RE1	0.1186 ✓	NA	NA	1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801547-02RE1	0.11988 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801548-01RE1	0.12246 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
1801548-02RE1	0.11945 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
1801599-01RE1	0.1219 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801600-01RE1	0.12224 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
1801623-01RE1	0.2591 ✓			1000	17-Jul-18 11:50	FBR			Groundwater	537M PFAS DOD (LOQ as
1801623-02RE1	0.25671 ✓			1000	17-Jul-18 11:50	FBR			Groundwater	537M PFAS DOD (LOQ as
1801623-03RE1	0.261 ✓			1000	17-Jul-18 11:50	FBR			Groundwater	537M PFAS DOD (LOQ as
1801623-04RE1	0.26181 ✓			1000	17-Jul-18 11:50	FBR			Groundwater	537M PFAS DOD (LOQ as
1801679-01	0.11975 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801679-02	0.12197 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801679-03	0.12392 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801679-04	0.12359 ✓			1000	17-Jul-18 11:50	FBR			Potable Water	537M PFAS DOD (LOQ as
1801680-01	0.12084 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
1801680-02	0.11986 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
1801680-03	0.1201 ✓			1000	17-Jul-18 11:50	FBR			QC Water	537M PFAS DOD (LOQ as
B8G0119-BLK1	0.25 ✓			1000	17-Jul-18 11:50	FBR				QC
B8G0119-BS1	0.25 ✓			1000	17-Jul-18 11:50	FBR	18F2025 ✓	10 ✓		QC
B8G0119-MS1	0.12023 ✓			1000	17-Jul-18 11:50	FBR	18F2025 ✓	10 ✓		QC
B8G0119-MSD1	0.12103 ✓	↓	↓	1000	17-Jul-18 11:50	FBR	18F2025 ✓	10 ✓		QC

WJ 7/19/18

Sample Data – PFAS Isotope Dilution Method

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		2.51e3	0.250							
2	2 PFPeA	263.1 > 218.9		3.29e3	0.250							
3	3 PFBS	299.0 > 79.7		5.05e2	0.250							
4	4 4:2 FTS	327.2>307.2		6.82e2	0.250							
5	5 PFHxA	313.2 > 268.9		9.47e2	0.250							
6	36 13C3-PFBA	216.1 > 171.8	2.51e3	3.34e3	0.250	0.751	1.16	9.39	41.1433	82.3		
7	37 13C3-PFPeA	266. > 221.8	3.29e3	4.17e3	0.250	0.789	2.15	9.87	39.2053	78.4		
8	38 13C3-PFBS	302. > 98.8	5.05e2	4.17e3	0.250	0.121	2.46	1.51	49.5086	99.0		
9	39 13C2-4:2 FTS	329.2>308.9	6.82e2	4.17e3	0.250	0.164	2.90	2.04	44.9833	90.0		
10	40 13C2-PFHxA	315 > 269.8	9.47e2	4.17e3	0.250	0.568	2.98	2.84	15.4700	77.4		
11	-1											
12	6 PFPeS	349.1>80.1		5.05e2	0.250							
13	7 PFHpA	363.0 > 318.9		2.91e3	0.250							
14	8 L-PFHxS	398.9 > 79.6		4.88e2	0.250							
15	68 Total PFHxS	398.9 > 79.6	0.00e0	4.88e2	0.250			0.000				
16	10 6:2 FTS	427.1 > 407		7.21e2	0.250							
17	38 13C3-PFBS	302. > 98.8	5.05e2	4.17e3	0.250	0.121	2.46	1.51	49.5086	99.0		
18	41 13C4-PFHpA	367.2 > 321.8	2.91e3	4.17e3	0.250	0.697	3.59	8.71	41.6575	83.3		
19	42 18O2-PFHxS	403.0 > 102.6	4.88e2	1.30e3	0.250	0.375	3.75	4.69	38.6130	77.2		
20	42 18O2-PFHxS	403.0 > 102.6	4.88e2	1.30e3	0.250	0.375	3.75	4.69	38.6130	77.2		
21	43 13C2-6:2 FTS	429.1 > 408.9	7.21e2	4.80e3	0.250	0.150	4.07	1.88	46.7749	93.5		
22	-1											
23	11 L-PFOA	413 > 368.7		3.74e3	0.250							
24	69 Total PFOA	413 > 368.7	0.00e0	3.74e3	0.250			0.000				
25	13 PFHpS	449 > 80.0		1.14e3	0.250							
26	16 L-PFOS	499.1 > 79.9		1.14e3	0.250							
27	70 Total PFOS	499.1 > 79.9	0.00e0	1.14e3	0.250			0.000				
28	44 13C2-PFOA	414.9 > 369.7	3.74e3	4.80e3	0.250	0.779	4.13	9.74	38.0579	76.1		
29	44 13C2-PFOA	414.9 > 369.7	3.74e3	4.80e3	0.250	0.779	4.13	9.74	38.0579	76.1		
30	47 13C8-PFOS	507.0 > 79.9	1.14e3	1.42e3	0.250	0.803	4.66	10.0	37.0795	74.2		
31	47 13C8-PFOS	507.0 > 79.9	1.14e3	1.42e3	0.250	0.803	4.66	10.0	37.0795	74.2		
32	47 13C8-PFOS	507.0 > 79.9	1.14e3	1.42e3	0.250	0.803	4.66	10.0	37.0795	74.2		
33	-1											
34	14 PFNA	463.0 > 418.8		3.95e3	0.250							
35	15 PFOSA	498.2 > 77.9		3.76e2	0.250							
36	18 PFDA	513 > 468.8		3.82e3	0.250							

GM 7/23/2018

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9		7.08e2	0.250							
38	20 PFNS	549.1>80.1		1.14e3	0.250							
39	45 13C5-PFNA	468.2 > 422.9	3.95e3	5.14e3	0.250	0.769	4.57	9.61	39.7131	79.4		
40	46 13C8-PFOSA	506.1 > 77.7	3.76e2	9.00e3	0.250	0.0418	4.63	0.522	7.4396	14.9		
41	48 13C2-PFDA	515.1 > 469.9	3.82e3	6.59e3	0.250	0.580	4.95	7.25	31.7989	63.6		
42	49 13C2-8:2 FTS	529.1 > 508.7	7.08e2	4.17e3	0.250	0.170	4.92	2.12	49.7696	99.5		
43	47 13C8-PFOS	507.0 > 79.9	1.14e3	1.42e3	0.250	0.803	4.66	10.0	37.0795	74.2		
44	-1											
45	21 L-MeFOSAA	570.1 > 419		1.33e3	0.250							
46	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.33e3	0.250			0.000				
47	23 L-EtFOSAA	584.2 > 419		1.45e3	0.250							
48	72 Total N-EtFOSAA	584.2 > 419	0.00e0	1.45e3	0.250			0.000				
49	25 PFUdA	563.0 > 518.9		5.24e3	0.250							
50	50 d3-N-MeFOSAA	573.3 > 419	1.33e3	9.00e3	0.250	0.148	5.10	1.85	32.4501	64.9		
51	50 d3-N-MeFOSAA	573.3 > 419	1.33e3	9.00e3	0.250	0.148	5.10	1.85	32.4501	64.9		
52	51 d5-N-EtFOSAA	589.3 > 419	1.45e3	9.00e3	0.250	0.161	5.26	2.01	32.6605	65.3		
53	51 d5-N-EtFOSAA	589.3 > 419	1.45e3	9.00e3	0.250	0.161	5.26	2.01	32.6605	65.3		
54	52 13C2-PFUdA	565 > 519.8	5.24e3	9.00e3	0.250	0.582	5.28	7.27	31.5706	63.1		
55	-1											
56	26 PFDS	598.8 > 80		5.24e3	0.250							
57	27 PFDoA	612.9 > 569.0		5.41e3	0.250							
58	29 PFTTrDA	662.9 > 618.9		5.41e3	0.250							
59	30 PFTeDA	712.9 > 668.8		3.43e3	0.250							
60	28 N-MeFOSA	512.1 > 168.9			0.250							
61	52 13C2-PFUdA	565 > 519.8	5.24e3	9.00e3	0.250	0.582	5.28	7.27	31.5706	63.1		
62	53 13C2-PFDoA	615.0 > 569.7	5.41e3	6.59e3	0.250	0.821	5.57	10.3	32.5625	65.1		
63	53 13C2-PFDoA	615.0 > 569.7	5.41e3	6.59e3	0.250	0.821	5.57	10.3	32.5625	65.1		
64	55 13C2-PFTeDA	714.8 > 669.6	3.43e3	9.00e3	0.250	0.381	6.04	4.77	35.2178	70.4		
65	54 d3-N-MeFOSA	515.2 > 168.9		9.00e3	0.250							
66	-1											
67	31 N-EtFOSA	526.1 > 168.9			0.250							
68	32 PFHxDA	813.1 > 768.6		2.17e3	0.250							
69	33 PFODA	913.1 > 868.8		2.17e3	0.250							
70	34 N-MeFOSE	616.1 > 58.9			0.250							
71	35 N-EtFOSE	630.1 > 58.9			0.250							
72	56 d5-N-ETFOSA	531.1 > 168.9		9.00e3	0.250							

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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	2.17e3	9.00e3	0.250	0.602	6.39	3.01	13.4805	67.4		
74	57 13C2-PFHxDA	815 > 769.7	2.17e3	9.00e3	0.250	0.602	6.39	3.01	13.4805	67.4		
75	58 d7-N-MeFOSE	623.1 > 58.9		9.00e3	0.250							
76	59 d9-N-EtFOSE	639.2 > 58.8		9.00e3	0.250							
77	-1											
78	73 TCDA	498.3>106.9			0.250							
79	61 13C5-PFHxA	318 > 272.9	4.17e3	4.17e3	0.250	1.00	2.98	12.5	50.0000	100.0		
80	60 13C4-PFBA	217. > 171.8	3.34e3	3.34e3	0.250	1.00	1.16	12.5	50.0000	100.0		
81	62 13C3-PFHxS	401.9 > 79.9	1.30e3	1.30e3	0.250	1.00	3.75	12.5	50.0000	100.0		
82	63 13C8-PFOA	421.3 > 376	4.80e3	4.80e3	0.250	1.00	4.13	12.5	50.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	1.14e3	1.42e3	0.250	0.803	4.66	10.0	37.0795	74.2		
84	64 13C9-PFNA	472.2 > 426.9	5.14e3	5.14e3	0.250	1.00	4.57	12.5	50.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	1.42e3	1.42e3	0.250	1.00	4.66	12.5	50.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	6.59e3	6.59e3	0.250	1.00	4.95	12.5	50.0000	100.0		
87	67 13C7-PFUDa	570.1 > 524.8	9.00e3	9.00e3	0.250	1.00	5.28	12.5	50.0000	100.0		

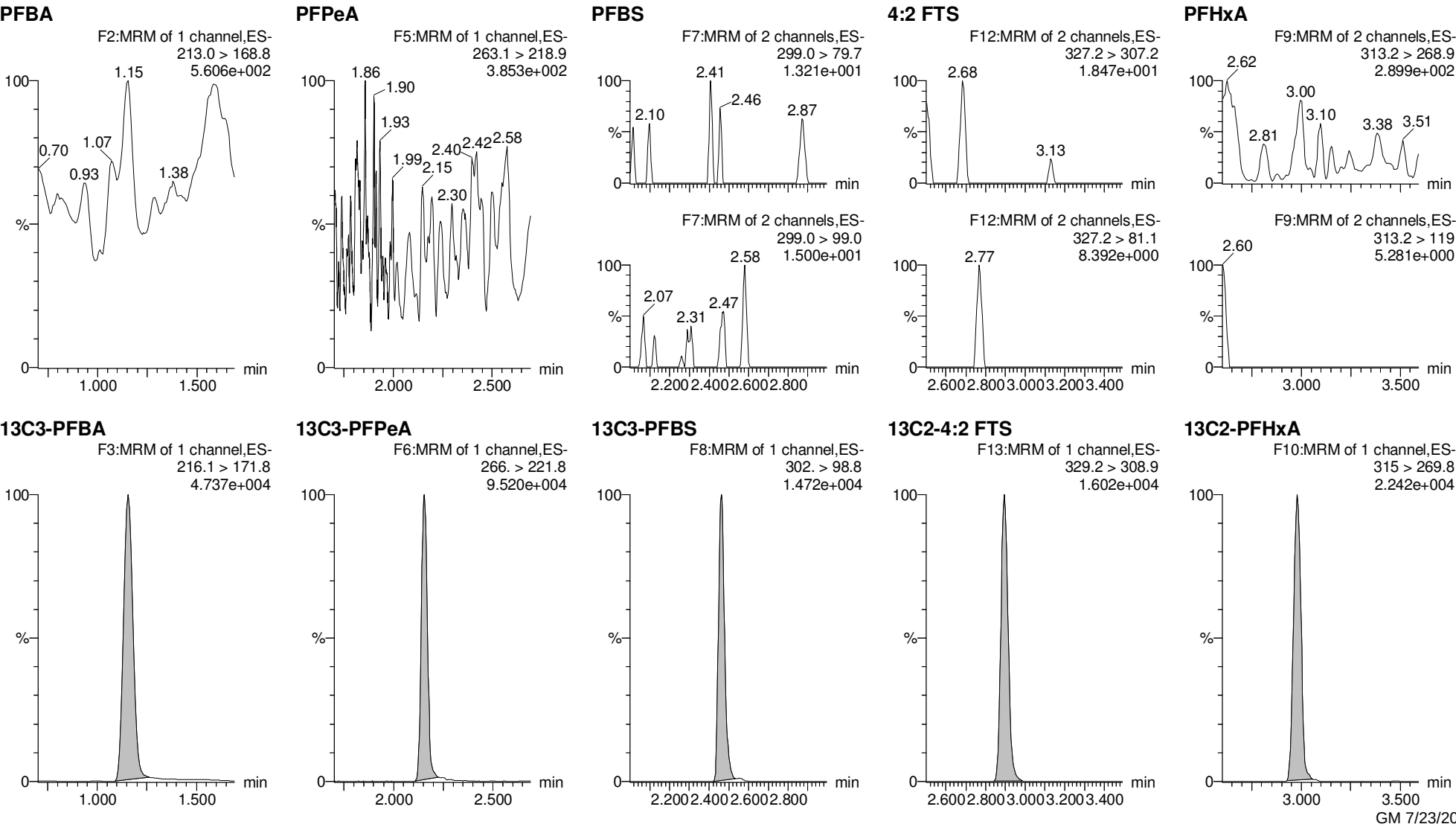
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

MMM 7/23/2018

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



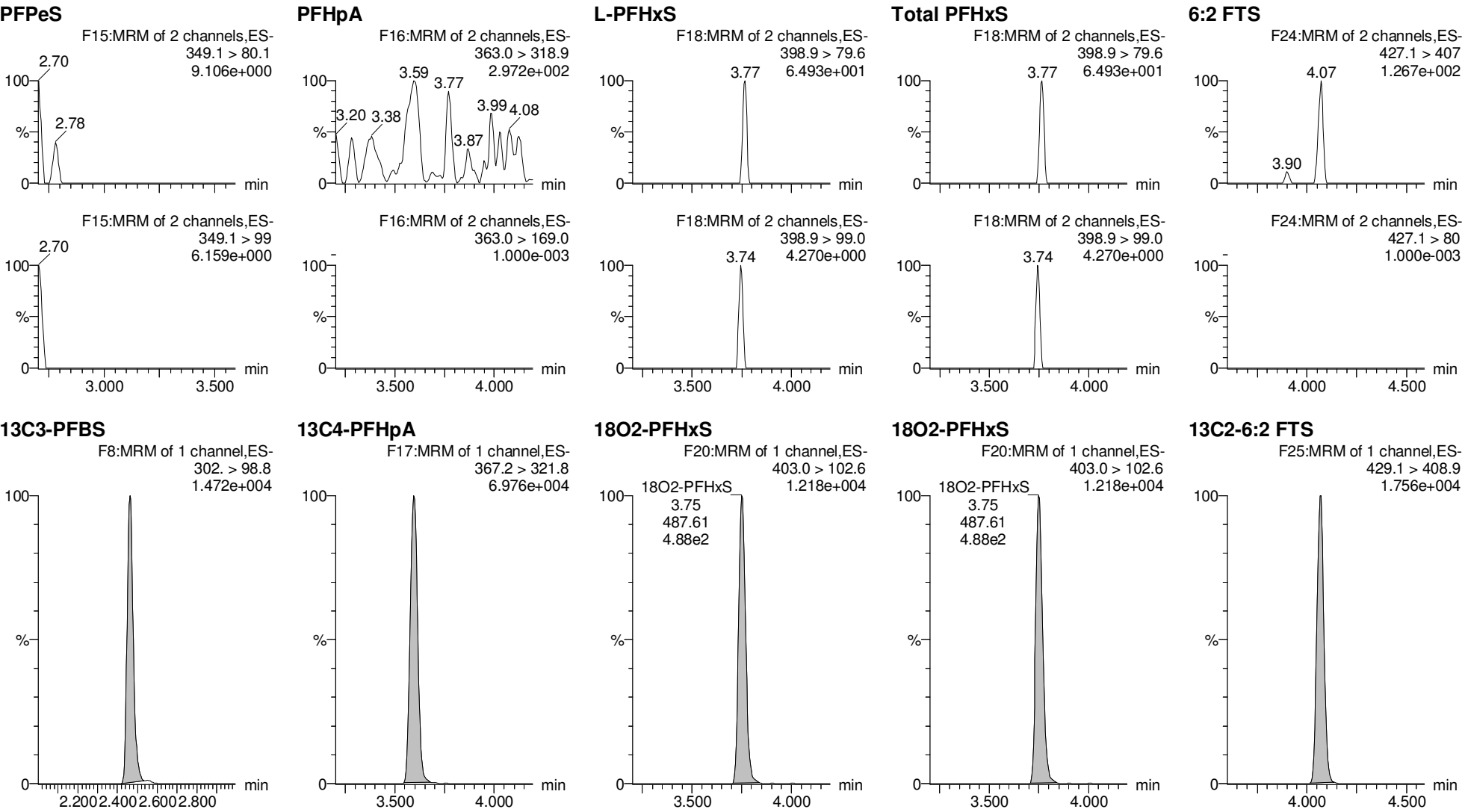
Vista Analytical Laboratory

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

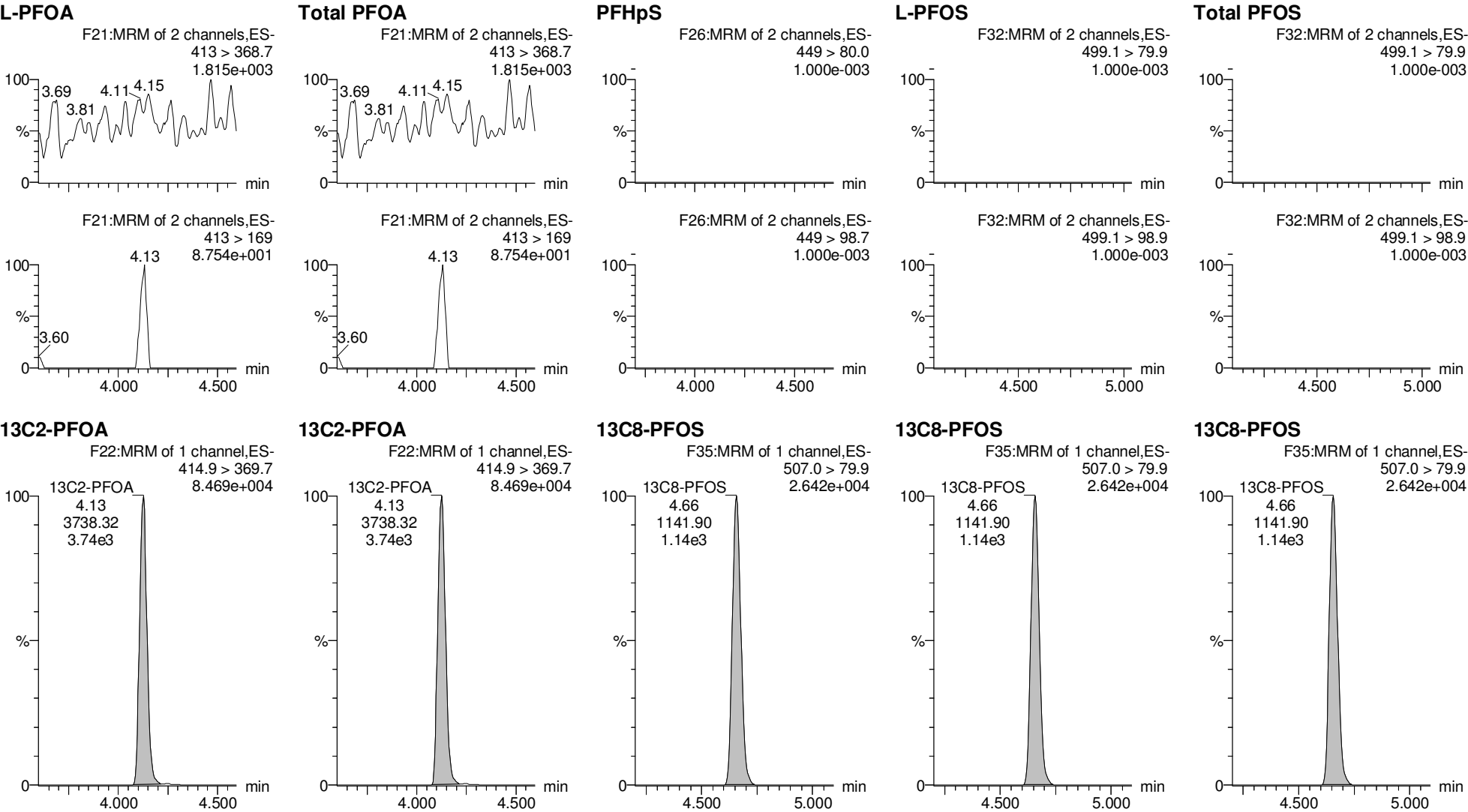
Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

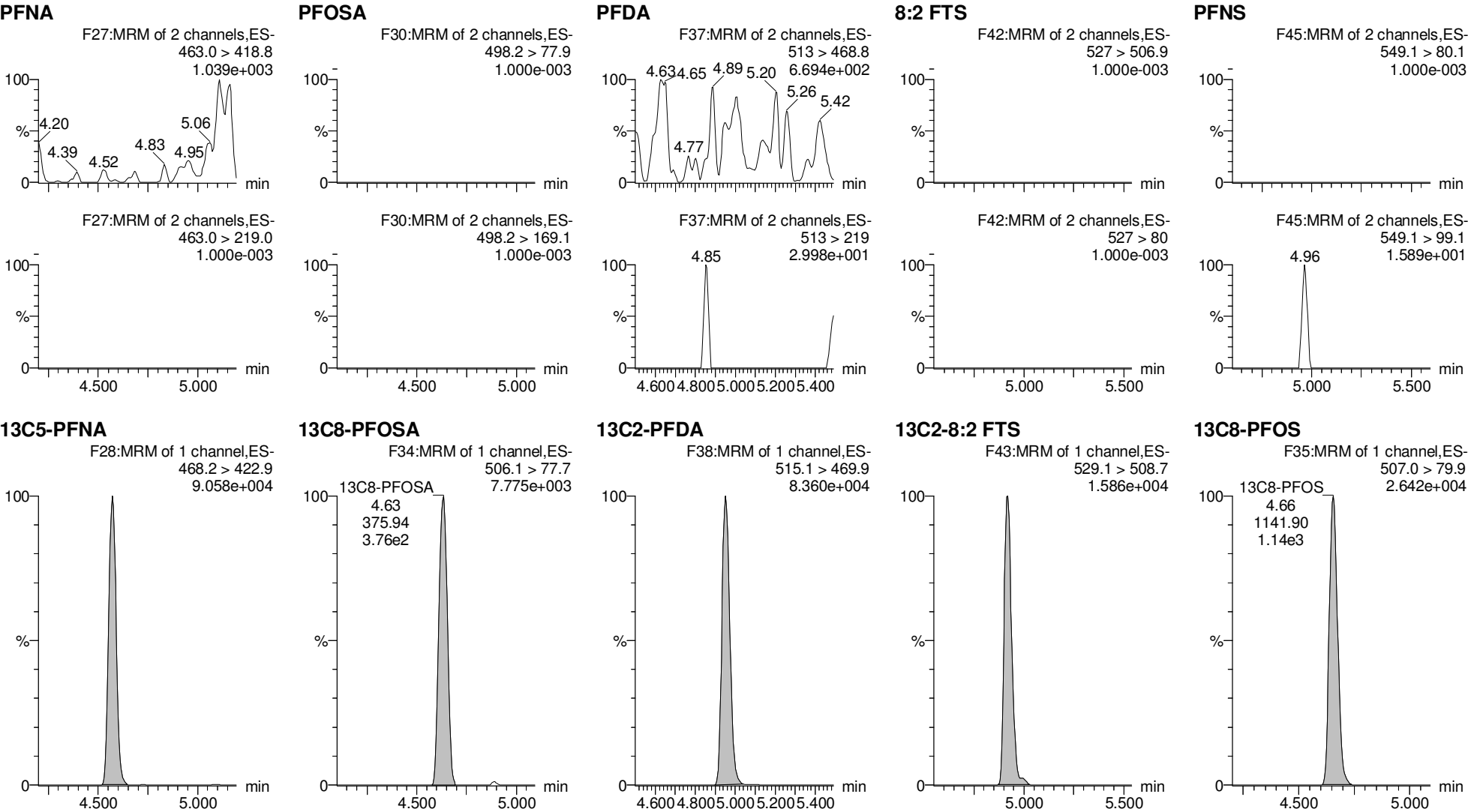
Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank

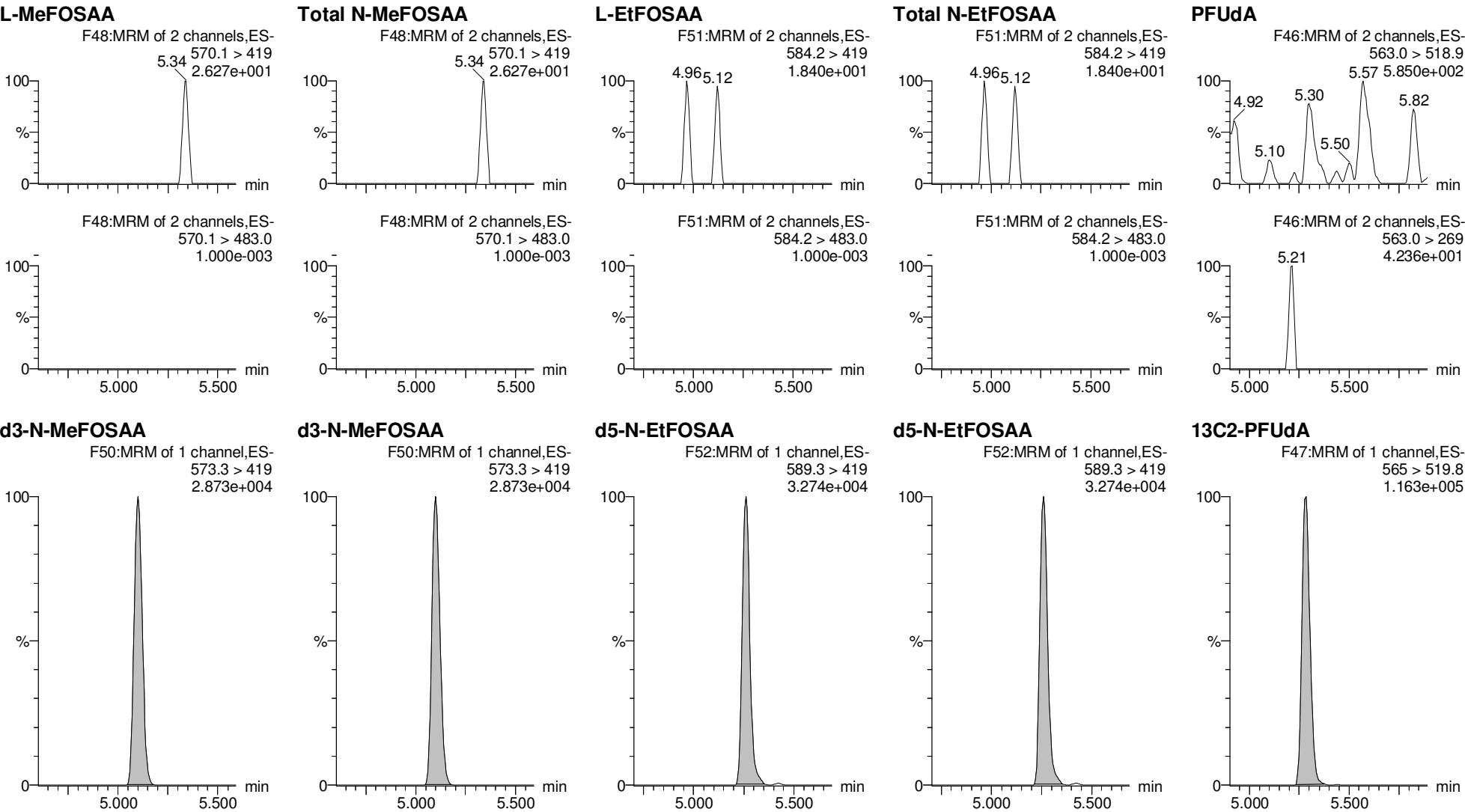


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

MMM 7/23/2018

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



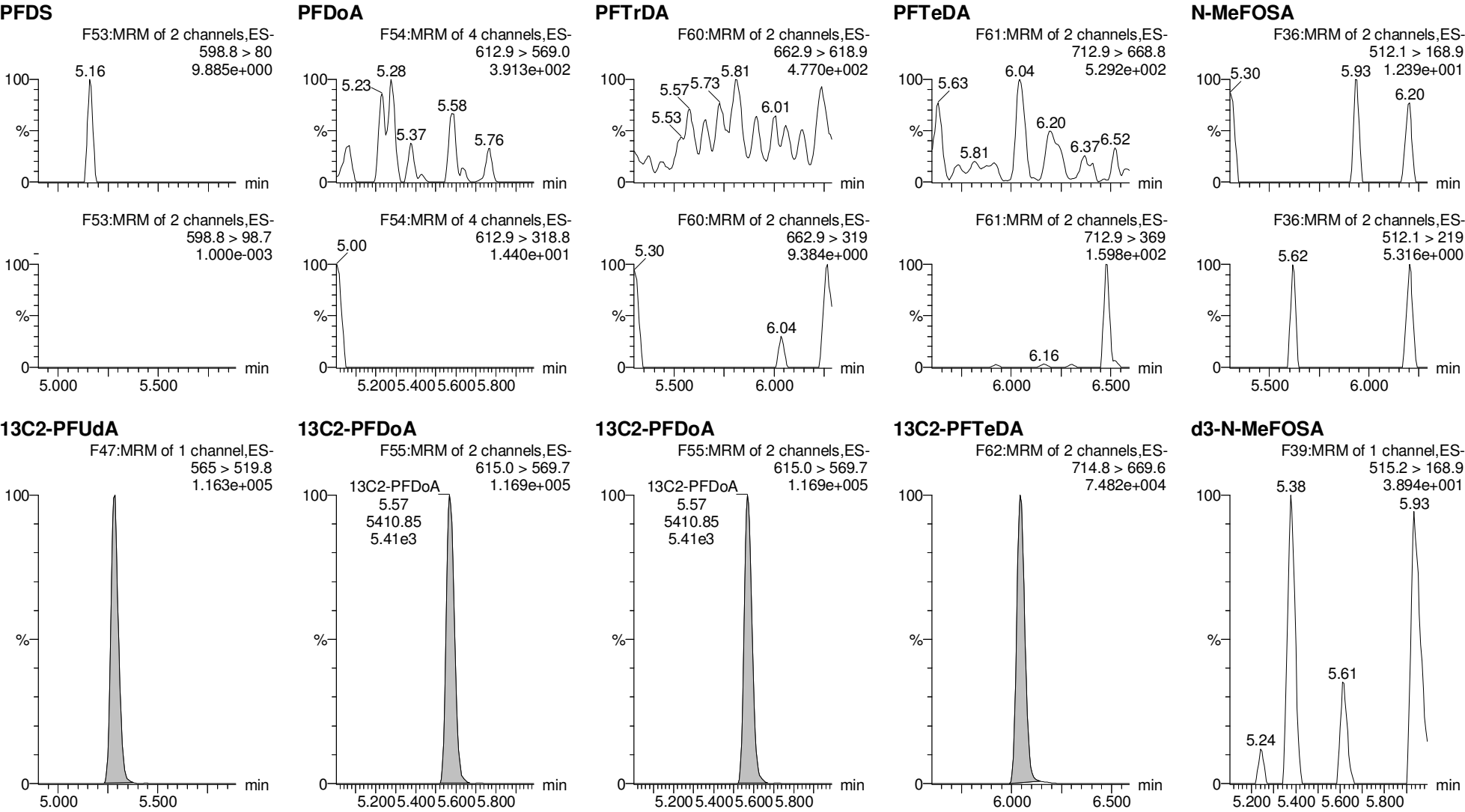
Vista Analytical Laboratory

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



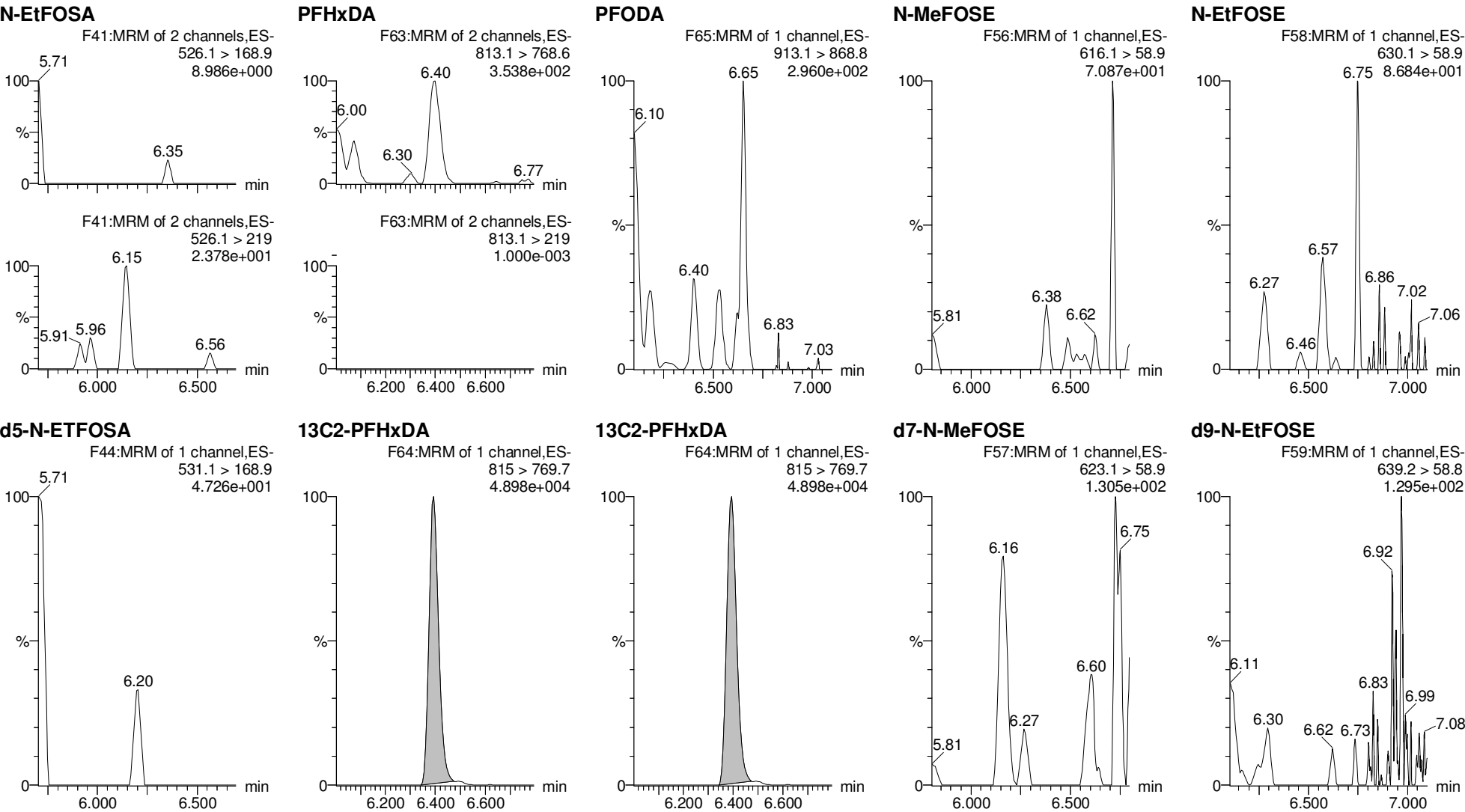
Vista Analytical Laboratory

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



Vista Analytical Laboratory

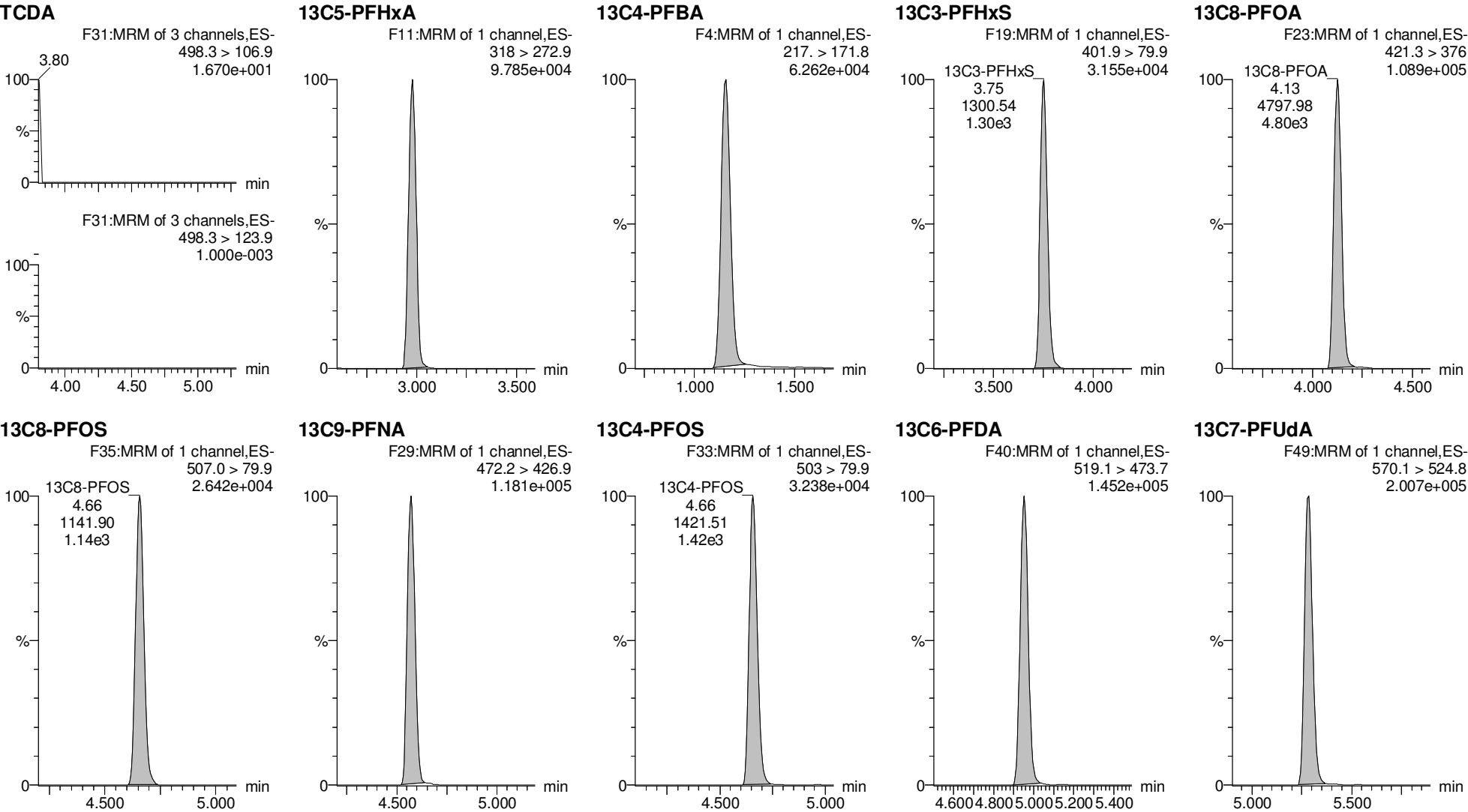
MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-33.qld

Last Altered: Monday, July 23, 2018 12:07:25 Pacific Daylight Time

Printed: Monday, July 23, 2018 12:09:05 Pacific Daylight Time

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank



MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	3.21e3	3.14e3	0.250	1.28	1.16	12.8	43.9483	109.9		
2	2 PFPeA	263.1 > 218.9	3.69e3	4.18e3	0.250	1.10	2.16	11.0	44.9121	112.3		
3	3 PFBS	299.0 > 79.7	1.16e3	6.20e2	0.250	2.35	2.46	23.5	46.8541	117.1	3.07	NO
4	4 4:2 FTS	327.2>307.2	8.73e2	8.43e2	0.250	1.30	2.89	13.0	48.5423	121.4	1.76	NO
5	5 PFHxA	313.2 > 268.9	4.70e3	1.28e3	0.250	1.84	2.98	18.4	42.4118	106.0	226	NO
6	36 13C3-PFBA	216.1 > 171.8	3.14e3	4.08e3	0.250	0.771	1.16	9.63	42.1999	84.4		
7	37 13C3-PFPeA	266. > 221.8	4.18e3	5.02e3	0.250	0.834	2.15	10.4	41.4121	82.8		
8	38 13C3-PFBS	302. > 98.8	6.20e2	5.02e3	0.250	0.124	2.46	1.54	50.4978	101.0		
9	39 13C2-4:2 FTS	329.2>308.9	8.43e2	5.02e3	0.250	0.168	2.89	2.10	46.1999	92.4		
10	40 13C2-PFHxA	315 > 269.8	1.28e3	5.02e3	0.250	0.637	2.98	3.18	17.3439	86.7		
11	-1											
12	6 PFPeS	349.1>80.1	9.41e2	6.20e2	0.250	1.90	3.18	19.0	44.7626	111.9	1.47	NO
13	7 PFHpA	363.0 > 318.9	3.60e3	3.75e3	0.250	1.20	3.60	12.0	42.2813	105.7	15.1	NO
14	8 L-PFHxS	398.9 > 79.6	8.89e2	5.40e2	0.250	2.06	3.75	20.6	48.9694	122.4	1.94	NO
15	68 Total PFHxS	398.9 > 79.6	8.89e2	5.40e2	0.250			20.6	48.9694			
16	10 6:2 FTS	427.1 > 407	1.04e3	9.98e2	0.250	1.31	4.07	13.1	46.4112	116.0	3.54	NO
17	38 13C3-PFBS	302. > 98.8	6.20e2	5.02e3	0.250	0.124	2.46	1.54	50.4978	101.0		
18	41 13C4-PFHpA	367.2 > 321.8	3.75e3	5.02e3	0.250	0.747	3.59	9.34	44.6988	89.4		
19	42 18O2-PFHxS	403.0 > 102.6	5.40e2	1.36e3	0.250	0.396	3.75	4.95	40.7553	81.5		
20	42 18O2-PFHxS	403.0 > 102.6	5.40e2	1.36e3	0.250	0.396	3.75	4.95	40.7553	81.5		
21	43 13C2-6:2 FTS	429.1 > 408.9	9.98e2	6.39e3	0.250	0.156	4.07	1.95	48.6074	97.2		
22	-1											
23	11 L-PFOA	413 > 368.7	4.90e3	5.60e3	0.250	1.09	4.13	10.9	42.2035	105.5	4.16	NO
24	69 Total PFOA	413 > 368.7	4.90e3	5.60e3	0.250			10.9	42.2035			
25	13 PFHpS	449 > 80.0	1.19e3	1.50e3	0.250	0.995	4.24	9.95	46.1225	115.3	1.78	NO
26	16 L-PFOS	499.1 > 79.9	1.10e3	1.50e3	0.250	0.920	4.66	9.20	39.8551	99.6	1.99	NO
27	70 Total PFOS	499.1 > 79.9	1.10e3	1.50e3	0.250			9.20	39.8551			
28	44 13C2-PFOA	414.9 > 369.7	5.60e3	6.39e3	0.250	0.877	4.13	11.0	42.8266	85.7		
29	44 13C2-PFOA	414.9 > 369.7	5.60e3	6.39e3	0.250	0.877	4.13	11.0	42.8266	85.7		
30	47 13C8-PFOS	507.0 > 79.9	1.50e3	1.68e3	0.250	0.895	4.66	11.2	41.3017	82.6		
31	47 13C8-PFOS	507.0 > 79.9	1.50e3	1.68e3	0.250	0.895	4.66	11.2	41.3017	82.6		
32	47 13C8-PFOS	507.0 > 79.9	1.50e3	1.68e3	0.250	0.895	4.66	11.2	41.3017	82.6		
33	-1											
34	14 PFNA	463.0 > 418.8	5.44e3	4.99e3	0.250	1.36	4.57	13.6	44.3606	110.9	4.43	NO
35	15 PFOSA	498.2 > 77.9	7.50e2	8.23e2	0.250	1.14	4.63	11.4	51.3115	128.3	32.4	YES
36	18 PFDA	513 > 468.8	5.41e3	5.12e3	0.250	1.32	4.95	13.2	39.3628	98.4	5.69	NO

GM 7/23/2018

MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9	9.64e2	8.32e2	0.250	1.45	4.92	14.5	41.5209	103.8	2.20	NO
38	20 PFNS	549.1>80.1	9.87e2	1.50e3	0.250	0.823	5.02	8.23	40.2180	100.5	1.72	NO
39	45 13C5-PFNA	468.2 > 422.9	4.99e3	6.63e3	0.250	0.752	4.57	9.40	38.8746	77.7		
40	46 13C8-PFOSA	506.1 > 77.7	8.23e2	1.18e4	0.250	0.0697	4.63	0.871	12.4167	24.8		
41	48 13C2-PFDA	515.1 > 469.9	5.12e3	8.33e3	0.250	0.614	4.95	7.68	33.7069	67.4		
42	49 13C2-8:2 FTS	529.1 > 508.7	8.32e2	5.02e3	0.250	0.166	4.92	2.07	48.6595	97.3		
43	47 13C8-PFOS	507.0 > 79.9	1.50e3	1.68e3	0.250	0.895	4.66	11.2	41.3017	82.6		
44	-1											
45	21 L-MeFOSAA	570.1 > 419	1.84e3	1.77e3	0.250	1.30	5.11	13.0	42.5359	106.3	22.6	NO
46	71 Total N-MeFOSAA	570.1 > 419	1.84e3	1.77e3	0.250			13.0	42.5359			
47	23 L-EtFOSAA	584.2 > 419	1.32e3	1.92e3	0.250	0.856	5.26	8.56	38.7612	96.9	26.8	NO
48	72 Total N-EtFOSAA	584.2 > 419	1.32e3	1.92e3	0.250			8.56	38.7612			
49	25 PFUdA	563.0 > 518.9	6.22e3	7.15e3	0.250	1.09	5.28	10.9	43.2948	108.2	12.5	NO
50	50 d3-N-MeFOSAA	573.3 > 419	1.77e3	1.18e4	0.250	0.150	5.10	1.88	33.0116	66.0		
51	50 d3-N-MeFOSAA	573.3 > 419	1.77e3	1.18e4	0.250	0.150	5.10	1.88	33.0116	66.0		
52	51 d5-N-EtFOSAA	589.3 > 419	1.92e3	1.18e4	0.250	0.163	5.26	2.03	33.1004	66.2		
53	51 d5-N-EtFOSAA	589.3 > 419	1.92e3	1.18e4	0.250	0.163	5.26	2.03	33.1004	66.2		
54	52 13C2-PFUdA	565 > 519.8	7.15e3	1.18e4	0.250	0.606	5.28	7.57	32.8712	65.7		
55	-1											
56	26 PFDS	598.8 > 80	1.27e3	7.15e3	0.250	0.222	5.34	2.22	54.0457	135.1	1.94	NO
57	27 PFDoA	612.9 > 569.0	7.69e3	6.66e3	0.250	1.44	5.57	14.4	46.2298	115.6	10.5	NO
58	29 PFTrDA	662.9 > 618.9	7.92e3	6.66e3	0.250	1.49	5.82	14.9	47.6809	119.2	23.8	NO
59	30 PFTeDA	712.9 > 668.8	6.56e3	4.37e3	0.250	1.88	6.04	18.8	45.3295	113.3	10.8	NO
60	28 N-MeFOSA	512.1 > 168.9			0.250							
61	52 13C2-PFUdA	565 > 519.8	7.15e3	1.18e4	0.250	0.606	5.28	7.57	32.8712	65.7		
62	53 13C2-PFDoA	615.0 > 569.7	6.66e3	8.33e3	0.250	0.800	5.57	9.99	31.7131	63.4		
63	53 13C2-PFDoA	615.0 > 569.7	6.66e3	8.33e3	0.250	0.800	5.57	9.99	31.7131	63.4		
64	55 13C2-PFTeDA	714.8 > 669.6	4.37e3	1.18e4	0.250	0.370	6.04	4.63	34.2275	68.5		
65	54 d3-N-MeFOSA	515.2 > 168.9		1.18e4	0.250							
66	-1											
67	31 N-EtFOSA	526.1 > 168.9			0.250							
68	32 PFHxDA	813.1 > 768.6	3.58e3	3.15e3	0.250	0.569	6.39	5.69	41.8427	104.6	26.4	NO
69	33 PFOA	913.1 > 868.8	4.25e2	3.15e3	0.250	0.0676	6.63	0.676	3.0944	7.7		
70	34 N-MeFOSE	616.1 > 58.9	1.11e3		0.250	0.000	6.31					
71	35 N-EtFOSE	630.1 > 58.9	1.40e3		0.250	0.000	6.46					
72	56 d5-N-ETFOSA	531.1 > 168.9		1.18e4	0.250							

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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

MMM 7/23/2018

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time

Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR

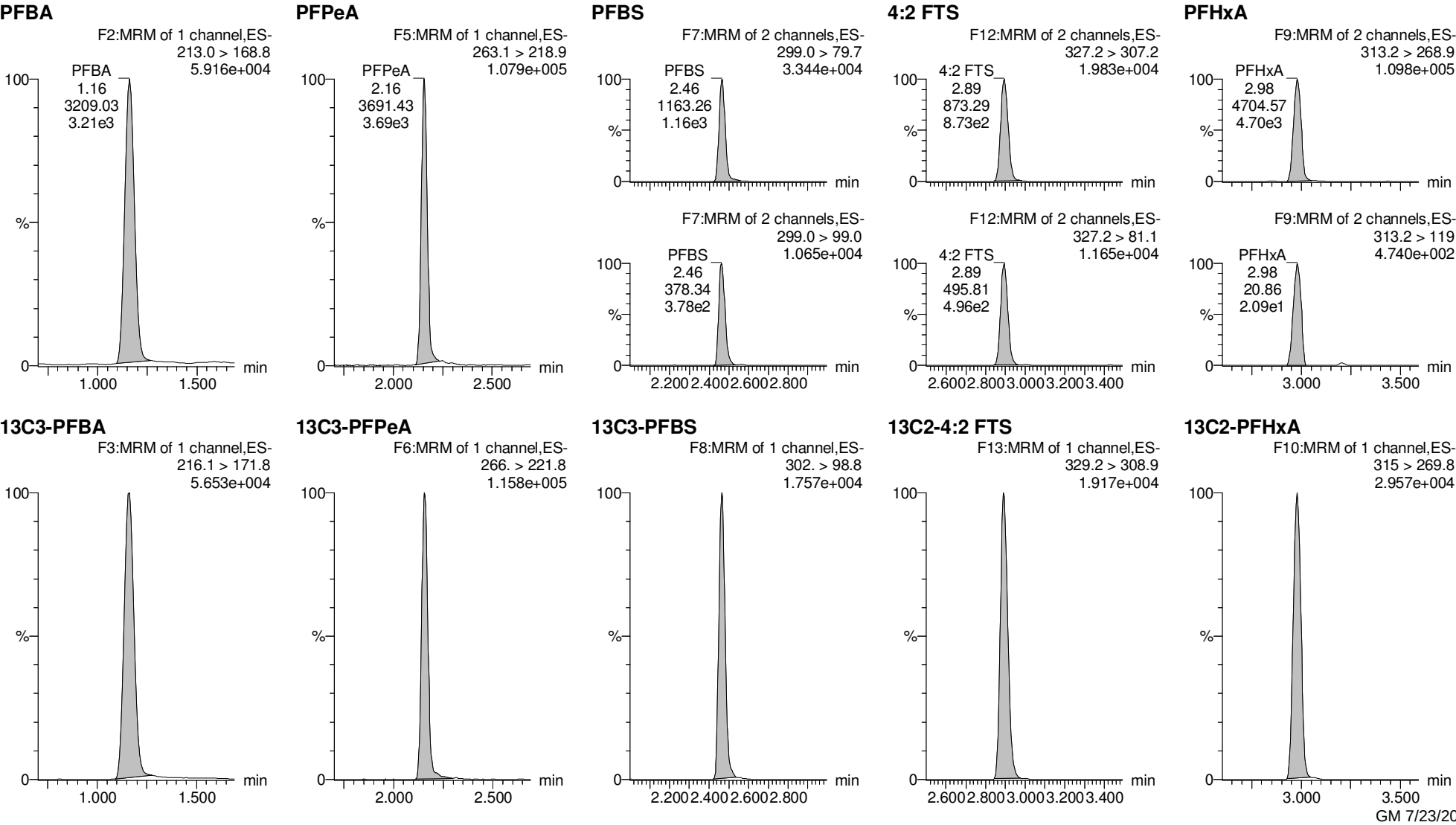
	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	3.15e3	1.18e4	0.250	0.666	6.39	3.33	14.9087	74.5		
74	57 13C2-PFHxDA	815 > 769.7	3.15e3	1.18e4	0.250	0.666	6.39	3.33	14.9087	74.5		
75	58 d7-N-MeFOSE	623.1 > 58.9		1.18e4	0.250							
76	59 d9-N-EtFOSE	639.2 > 58.8		1.18e4	0.250							
77	-1											
78	73 TCDA	498.3>106.9			0.250							
79	61 13C5-PFHxA	318 > 272.9	5.02e3	5.02e3	0.250	1.00	2.98	12.5	50.0000	100.0		
80	60 13C4-PFBA	217. > 171.8	4.08e3	4.08e3	0.250	1.00	1.16	12.5	50.0000	100.0		
81	62 13C3-PFHxS	401.9 > 79.9	1.36e3	1.36e3	0.250	1.00	3.75	12.5	50.0000	100.0		
82	63 13C8-PFOA	421.3 > 376	6.39e3	6.39e3	0.250	1.00	4.13	12.5	50.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	1.50e3	1.68e3	0.250	0.895	4.66	11.2	41.3017	82.6		
84	64 13C9-PFNA	472.2 > 426.9	6.63e3	6.63e3	0.250	1.00	4.57	12.5	50.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	1.68e3	1.68e3	0.250	1.00	4.66	12.5	50.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	8.33e3	8.33e3	0.250	1.00	4.95	12.5	50.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	1.18e4	1.18e4	0.250	1.00	5.28	12.5	50.0000	100.0		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

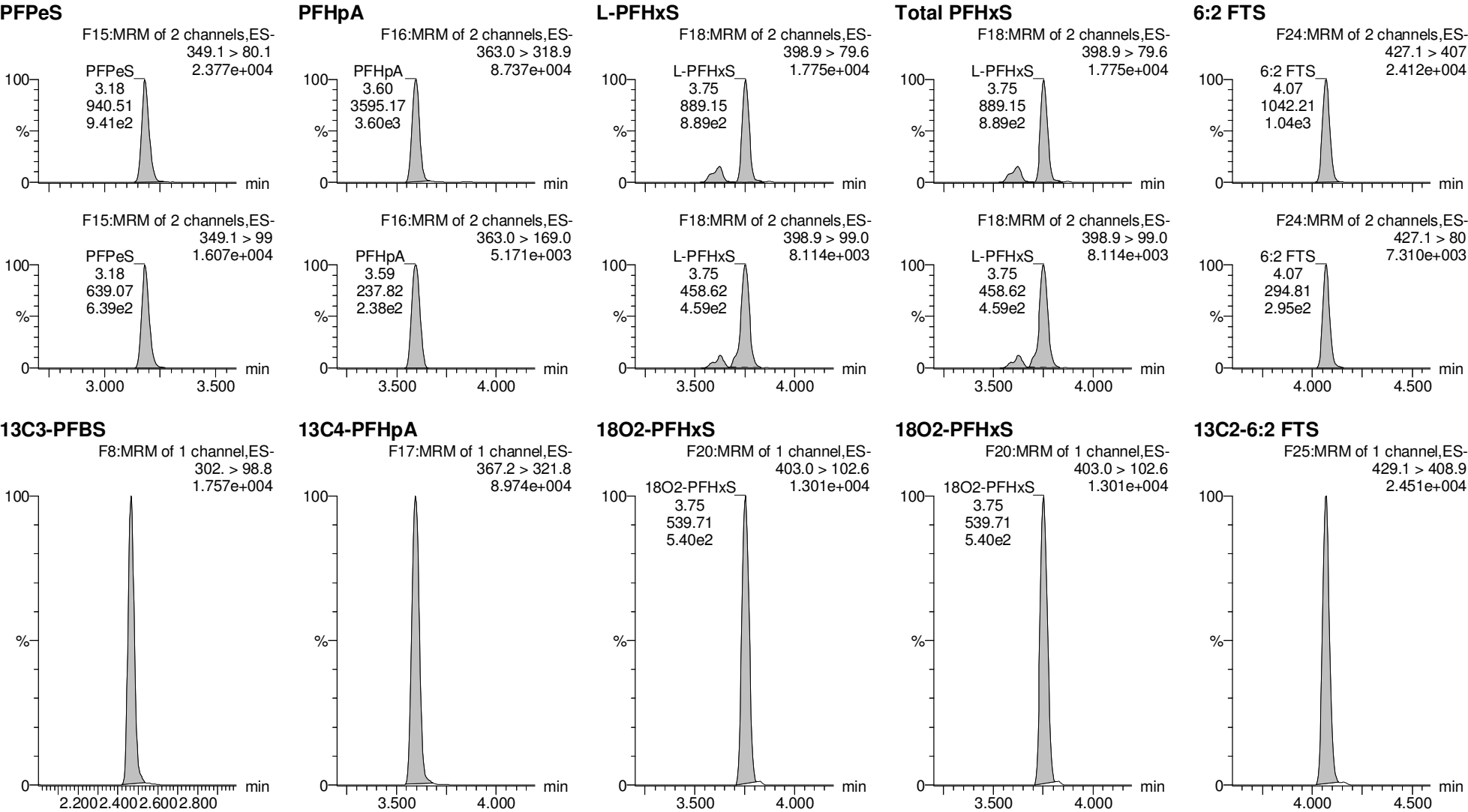
Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

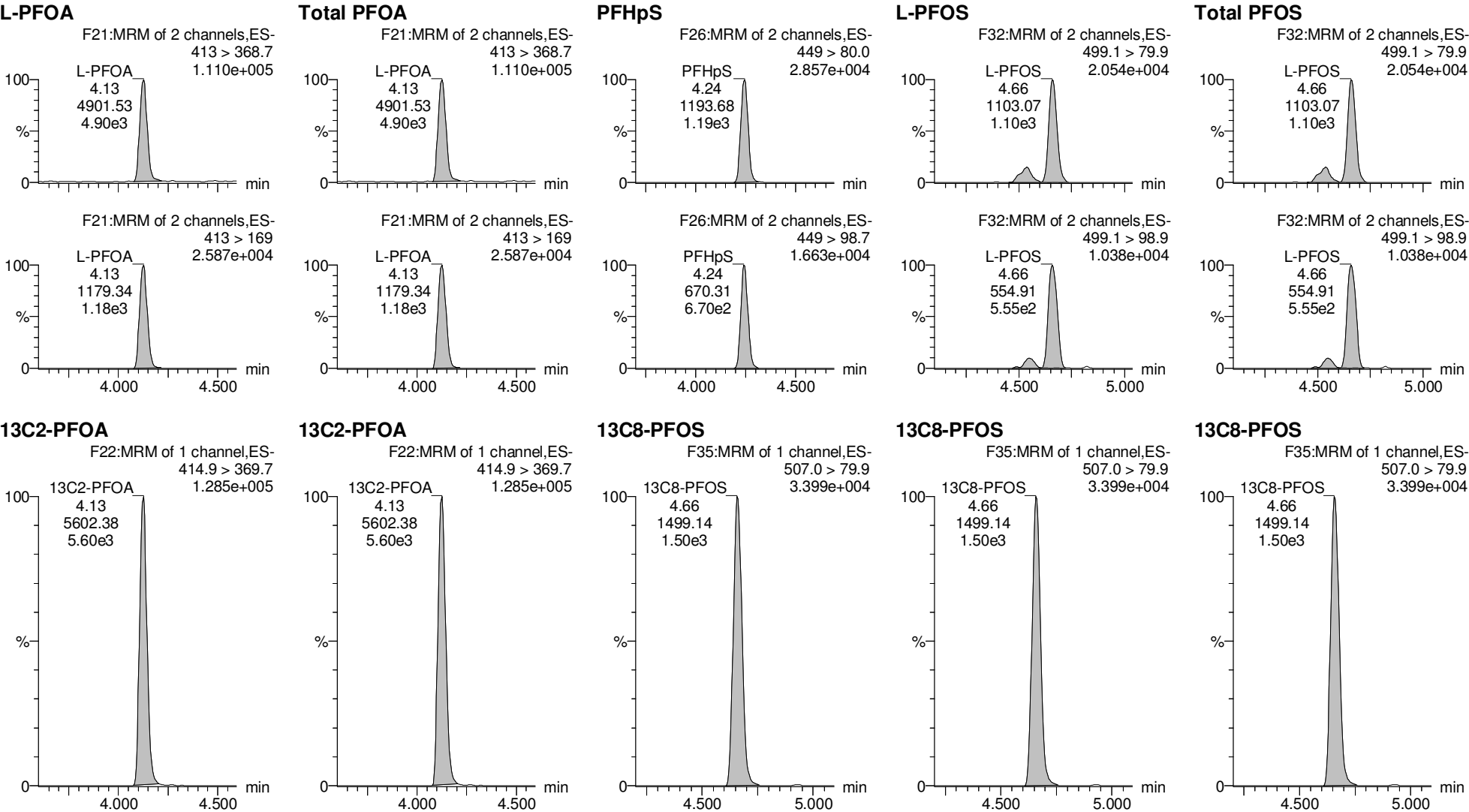
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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR



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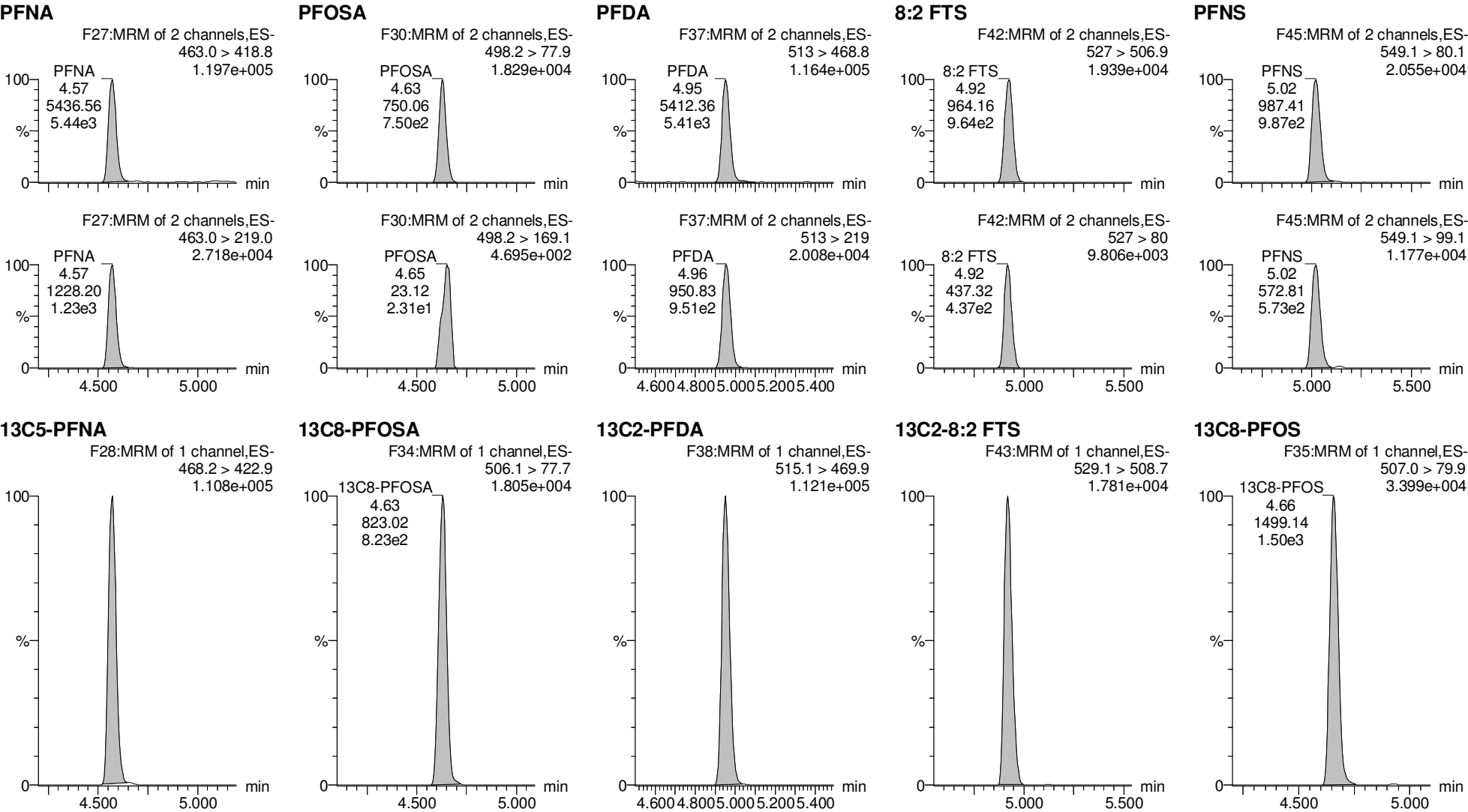
MMM 7/23/2018

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time

Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

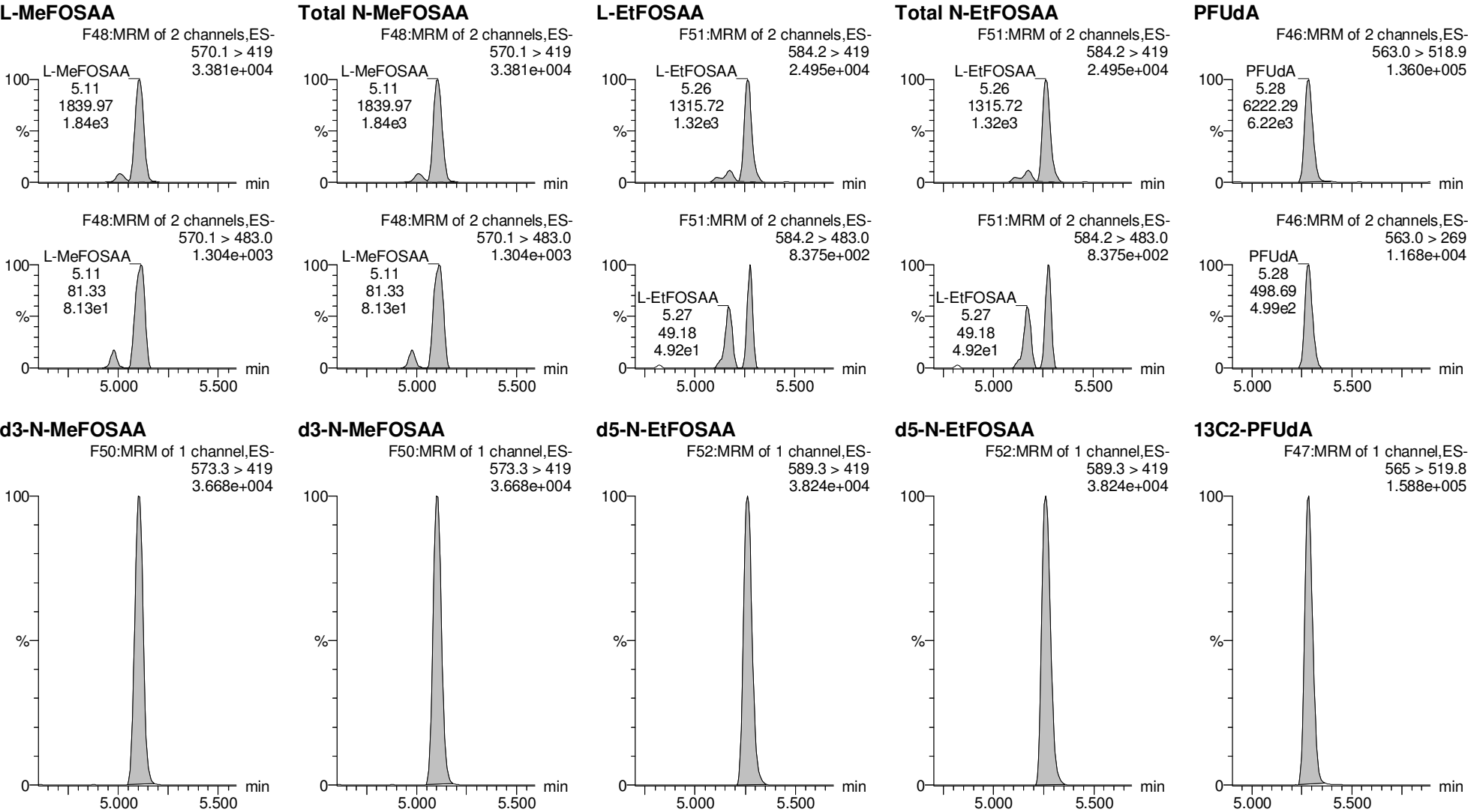
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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

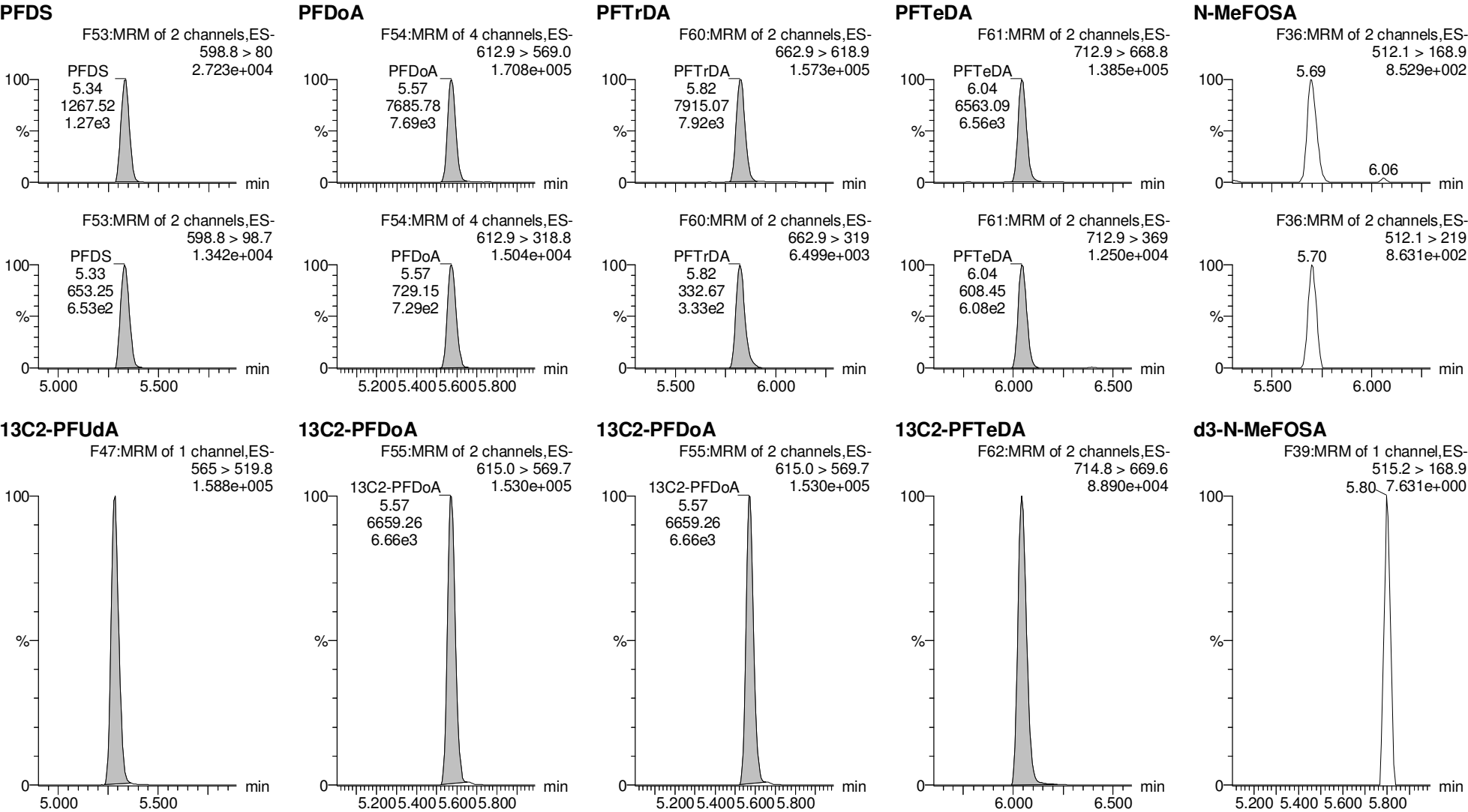
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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

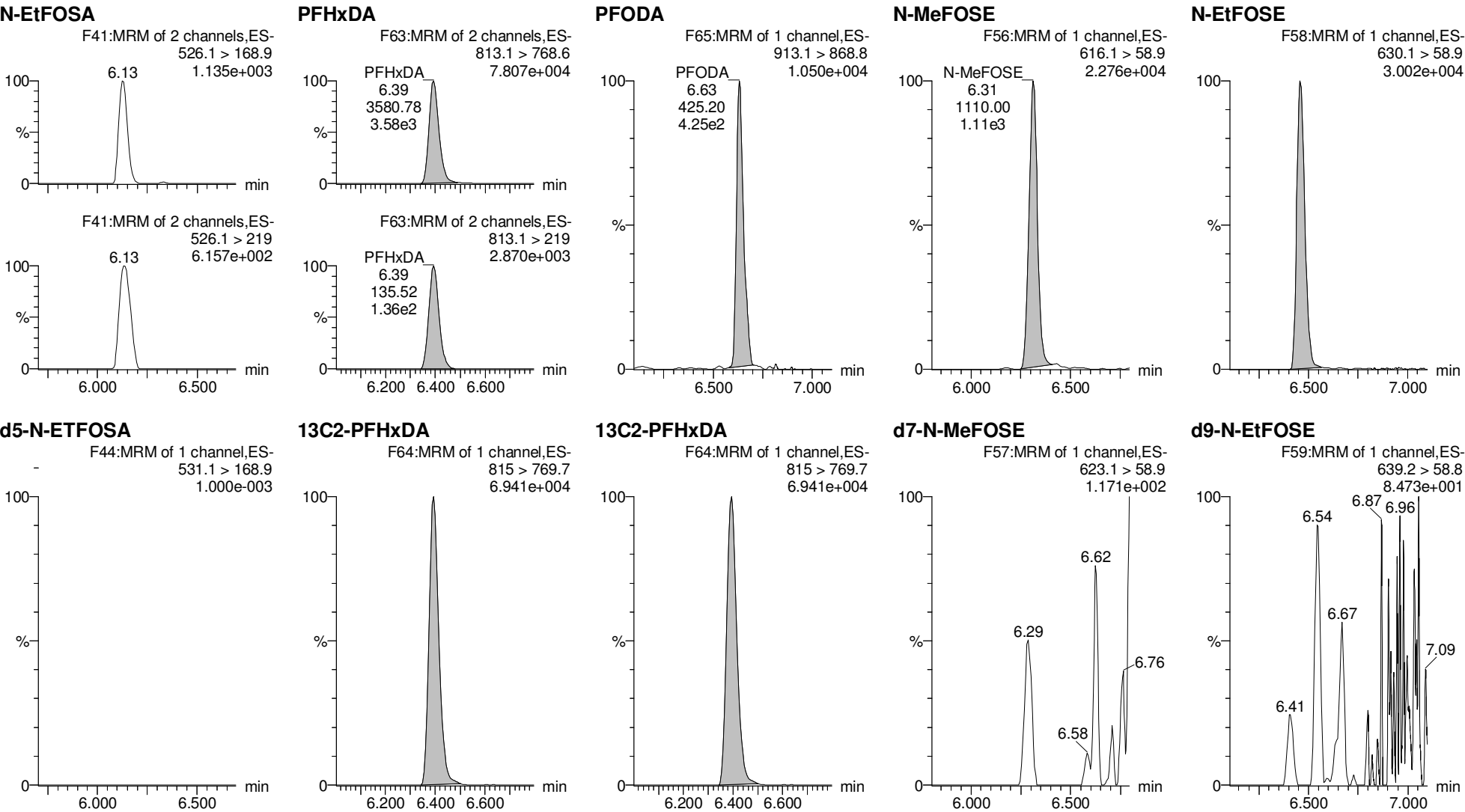
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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-32.qld

Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR



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MMM 7/23/2018

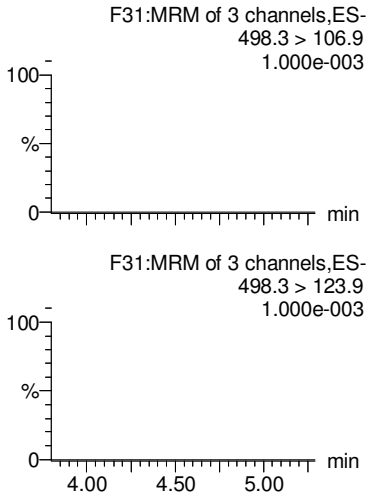
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Last Altered: Monday, July 23, 2018 12:03:36 Pacific Daylight Time

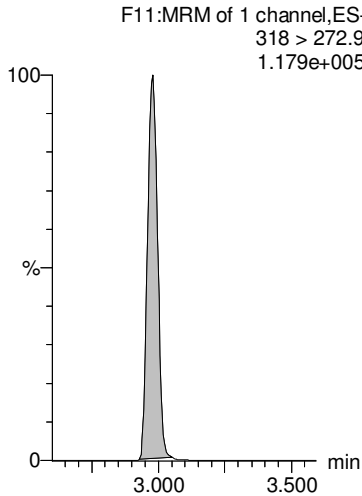
Printed: Monday, July 23, 2018 12:07:22 Pacific Daylight Time

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR

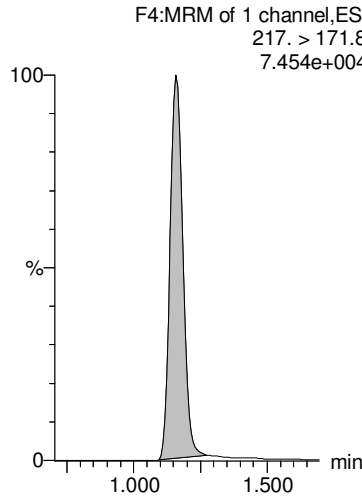
TCDA



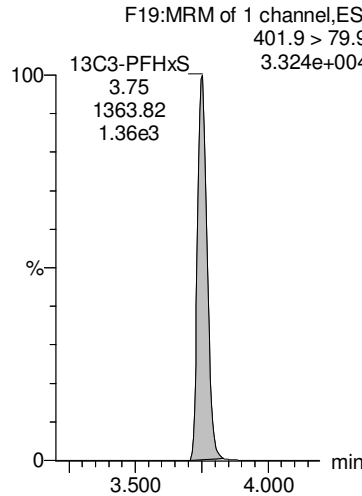
13C5-PFHxA



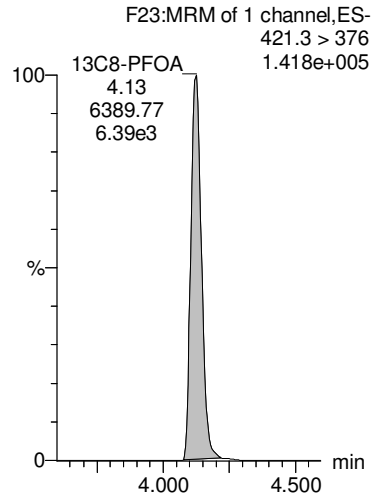
13C4-PFBA



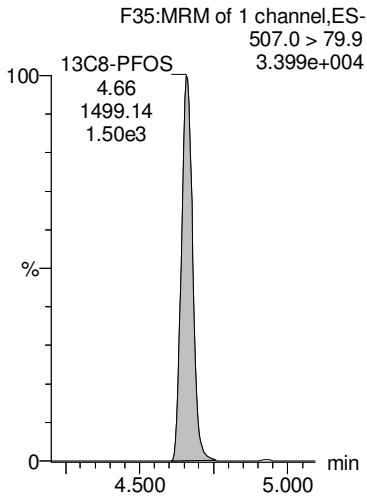
13C3-PFHxS



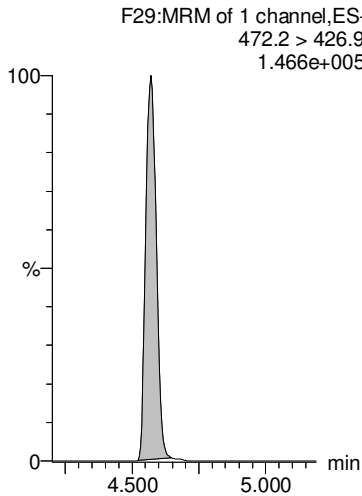
13C8-PFOA



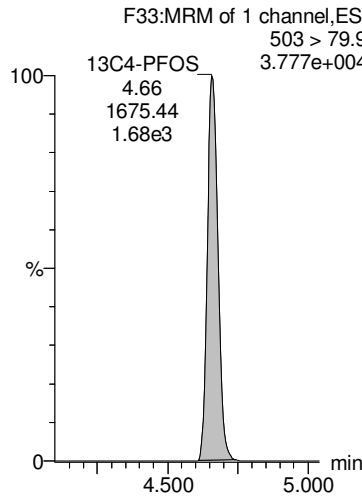
13C8-PFOS



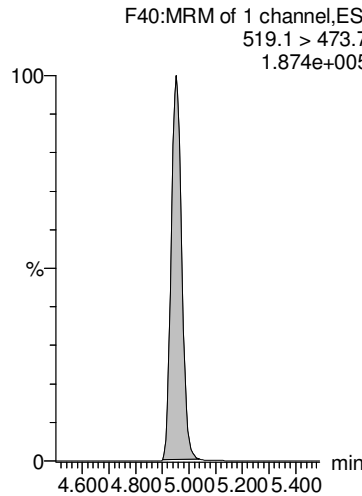
13C9-PFNA



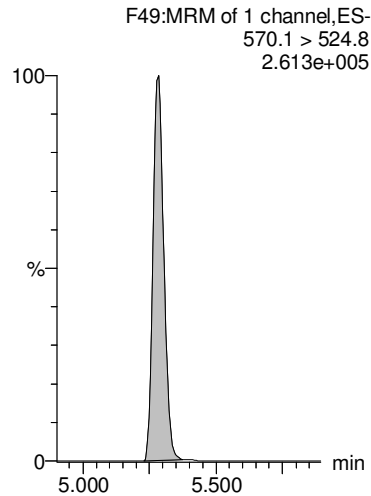
13C4-PFOS



13C6-PFDA



13C7-PFUDa



MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	2.64e3	4.96e2	0.259	0.000	2.46	2.46	66.4	127.3593		2.963	NO
2	5 PFHxA	313.2 > 268.9	3.15e4	8.19e2	0.259	0.000	2.98	2.98	192	434.4534		158.994	NO
3	7 PFHpA	363.0 > 318.9	7.13e3	2.39e3	0.259	0.000	3.59	3.59	37.3	126.8941		13.405	NO
4	8 L-PFHxS	398.9 > 79.6	1.01e4	4.67e2	0.259	0.000	3.70	3.75	269	613.0140		1.816	NO
5	68 Total PFHxS	398.9 > 79.6	1.01e4	4.67e2	0.259		3.70		269	613.0140			
6	11 L-PFOA	413 > 368.7	3.81e4	3.43e3	0.259	0.000	4.14	4.13	139	526.5557		4.062	NO
7	69 Total PFOA	413 > 368.7	4.57e4	3.43e3	0.259		4.10		167	630.1315			
8	38 13C3-PFBS	302. > 98.8	4.96e2	3.59e3	0.259	0.138	2.49	2.46	1.73	54.4620	112.9		
9	40 13C2-PFHxA	315 > 269.8	8.19e2	3.59e3	0.259	0.570	3.00	2.98	2.85	14.9767	77.6		
10	41 13C4-PFHpA	367.2 > 321.8	2.39e3	3.59e3	0.259	0.665	3.61	3.59	8.31	38.3708	79.5		
11	42 18O2-PFHxS	403.0 > 102.6	4.67e2	1.19e3	0.259	0.392	3.77	3.75	4.90	38.9515	80.7		
12	42 18O2-PFHxS	403.0 > 102.6	4.67e2	1.19e3	0.259	0.392	3.77	3.75	4.90	38.9515	80.7		
13	44 13C2-PFOA	414.9 > 369.7	3.43e3	4.38e3	0.259	0.783	4.14	4.12	9.79	36.8995	76.5		
14	44 13C2-PFOA	414.9 > 369.7	3.43e3	4.38e3	0.259	0.783	4.14	4.12	9.79	36.8995	76.5		
15	-1												
16	14 PFNA	463.0 > 418.8	3.64e2	3.42e3	0.259	0.000	4.59	4.56	1.33	4.3019		3.741	NO
17	16 L-PFOS	499.1 > 79.9	1.33e4	1.13e3	0.259	0.000	4.67	4.66	147	598.3141		1.962	NO
18	70 Total PFOS	499.1 > 79.9	1.33e4	1.13e3	0.259		4.60		147	598.3141			
19	18 PFDA	513 > 468.8	3.62e1	3.51e3	0.259	0.000	4.97	4.93	0.129	0.4701		45.462	YES
20	21 L-MeFOSAA	570.1 > 419		1.26e3	0.259		5.03						
21	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.26e3	0.259		5.07		0.000				
22	25 PFUdA	563.0 > 518.9		4.68e3	0.259		5.30						
23	45 13C5-PFNA	468.2 > 422.9	3.42e3	4.68e3	0.259	0.729	4.59	4.57	9.12	36.3642	75.4		
24	47 13C8-PFOS	507.0 > 79.9	1.13e3	1.49e3	0.259	0.759	4.68	4.66	9.49	33.7964	70.1		
25	47 13C8-PFOS	507.0 > 79.9	1.13e3	1.49e3	0.259	0.759	4.68	4.66	9.49	33.7964	70.1		
26	48 13C2-PFDA	515.1 > 469.9	3.51e3	6.28e3	0.259	0.558	4.97	4.95	6.98	29.5616	61.3		
27	50 d3-N-MeFOSAA	573.3 > 419	1.26e3	9.16e3	0.259	0.138	5.12	5.10	1.72	29.2234	60.6		
28	50 d3-N-MeFOSAA	573.3 > 419	1.26e3	9.16e3	0.259	0.138	5.12	5.10	1.72	29.2234	60.6		
29	52 13C2-PFUdA	565 > 519.8	4.68e3	9.16e3	0.259	0.512	5.30	5.28	6.40	26.7966	55.5		
30	-1												
31	23 L-EtFOSAA	584.2 > 419		1.45e3	0.259		5.28						
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	1.45e3	0.259		5.23		0.000				
33	29 PFTrDA	662.9 > 618.9		5.09e3	0.259		5.83						
34	27 PFDoA	612.9 > 569.0		5.09e3	0.259		5.59						
35	30 PFTeDA	712.9 > 668.8		3.21e3	0.259		6.05						
36	73 TCDA	498.3>106.9			0.259		5.11						

KBF 7/31/2018

MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706

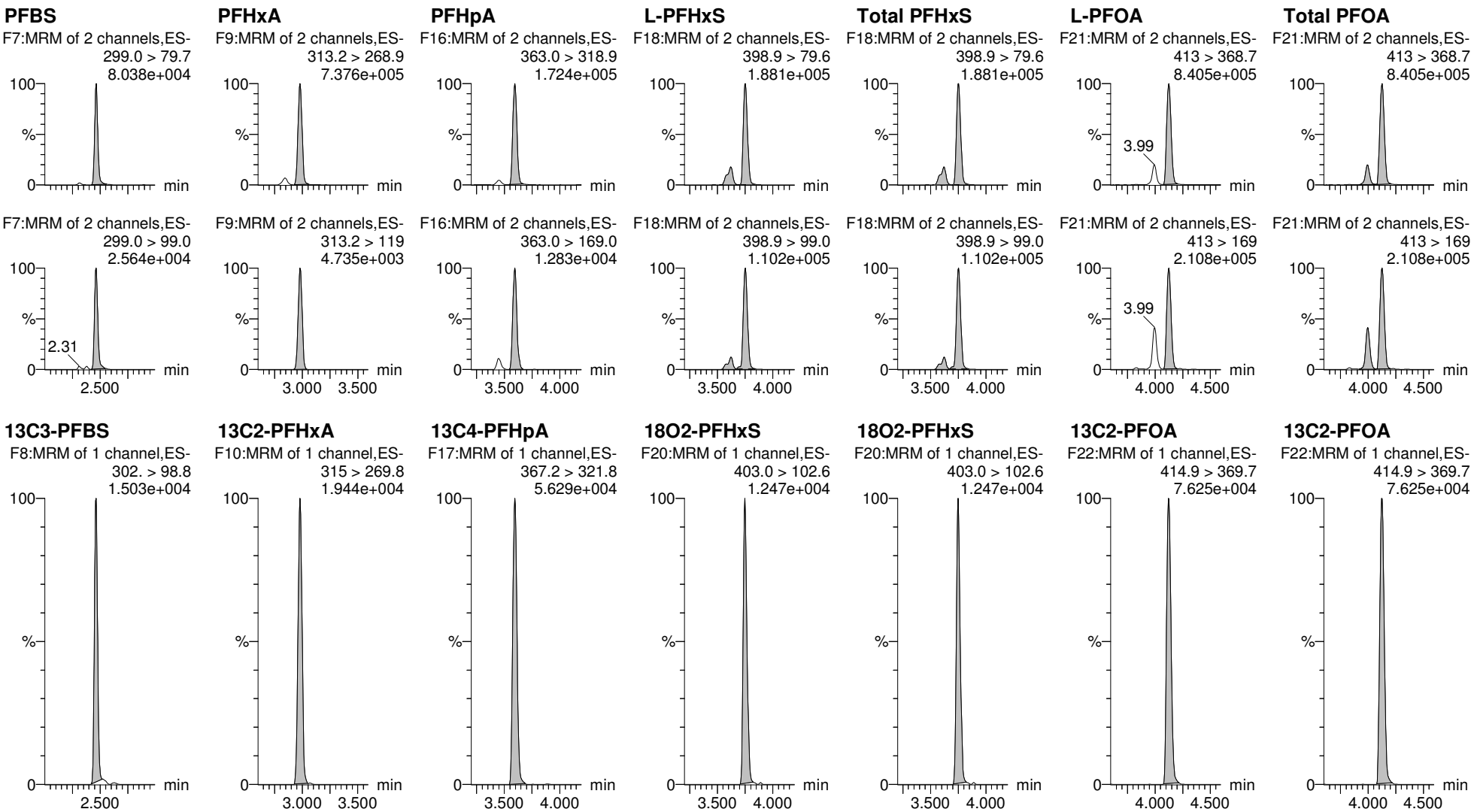
	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	61 13C5-PFHxA	318 > 272.9	3.59e3	3.59e3	0.259	1.00	3.00	2.98	12.5	48.2439	100.0		
38	51 d5-N-EtFOSAA	589.3 > 419	1.45e3	9.16e3	0.259	0.158	5.27	5.26	1.97	30.9688	64.2		
39	51 d5-N-EtFOSAA	589.3 > 419	1.45e3	9.16e3	0.259	0.158	5.27	5.26	1.97	30.9688	64.2		
40	53 13C2-PFDoA	615.0 > 569.7	5.09e3	6.28e3	0.259	0.810	5.59	5.57	10.1	31.0022	64.3		
41	53 13C2-PFDoA	615.0 > 569.7	5.09e3	6.28e3	0.259	0.810	5.59	5.57	10.1	31.0022	64.3		
42	55 13C2-PFTeDA	714.8 > 669.6	3.21e3	9.16e3	0.259	0.351	6.05	6.04	4.39	31.2751	64.8		
43	47 13C8-PFOS	507.0 > 79.9	1.13e3	1.49e3	0.259	0.759	4.68	4.66	9.49	33.7964	70.1		
44	63 13C8-PFOA	421.3 > 376	4.38e3	4.38e3	0.259	1.00	4.14	4.13	12.5	48.2439	100.0		
45	-1												
46	62 13C3-PFHxS	401.9 > 79.9	1.19e3	1.19e3	0.259	1.00	3.77	3.75	12.5	48.2439	100.0		
47	64 13C9-PFNA	472.2 > 426.9	4.68e3	4.68e3	0.259	1.00	4.59	4.56	12.5	48.2439	100.0		
48	65 13C4-PFOS	503 > 79.9	1.49e3	1.49e3	0.259	1.00	4.67	4.66	12.5	48.2439	100.0		
49	66 13C6-PFDA	519.1 > 473.7	6.28e3	6.28e3	0.259	1.00	4.97	4.95	12.5	48.2439	100.0		
50	67 13C7-PFUdA	570.1 > 524.8	9.16e3	9.16e3	0.259	1.00	5.29	5.28	12.5	48.2439	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 17:54:13
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706



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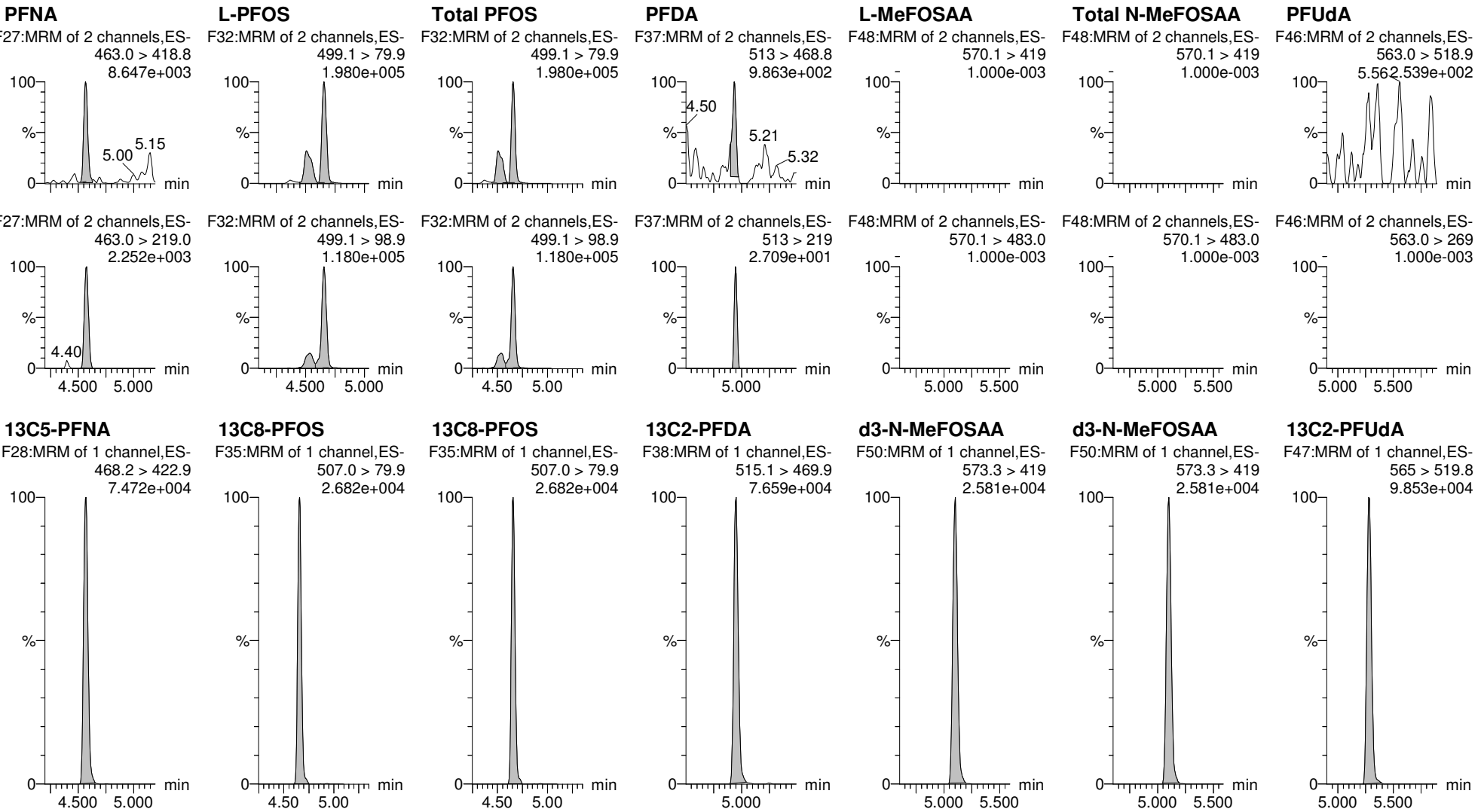
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706



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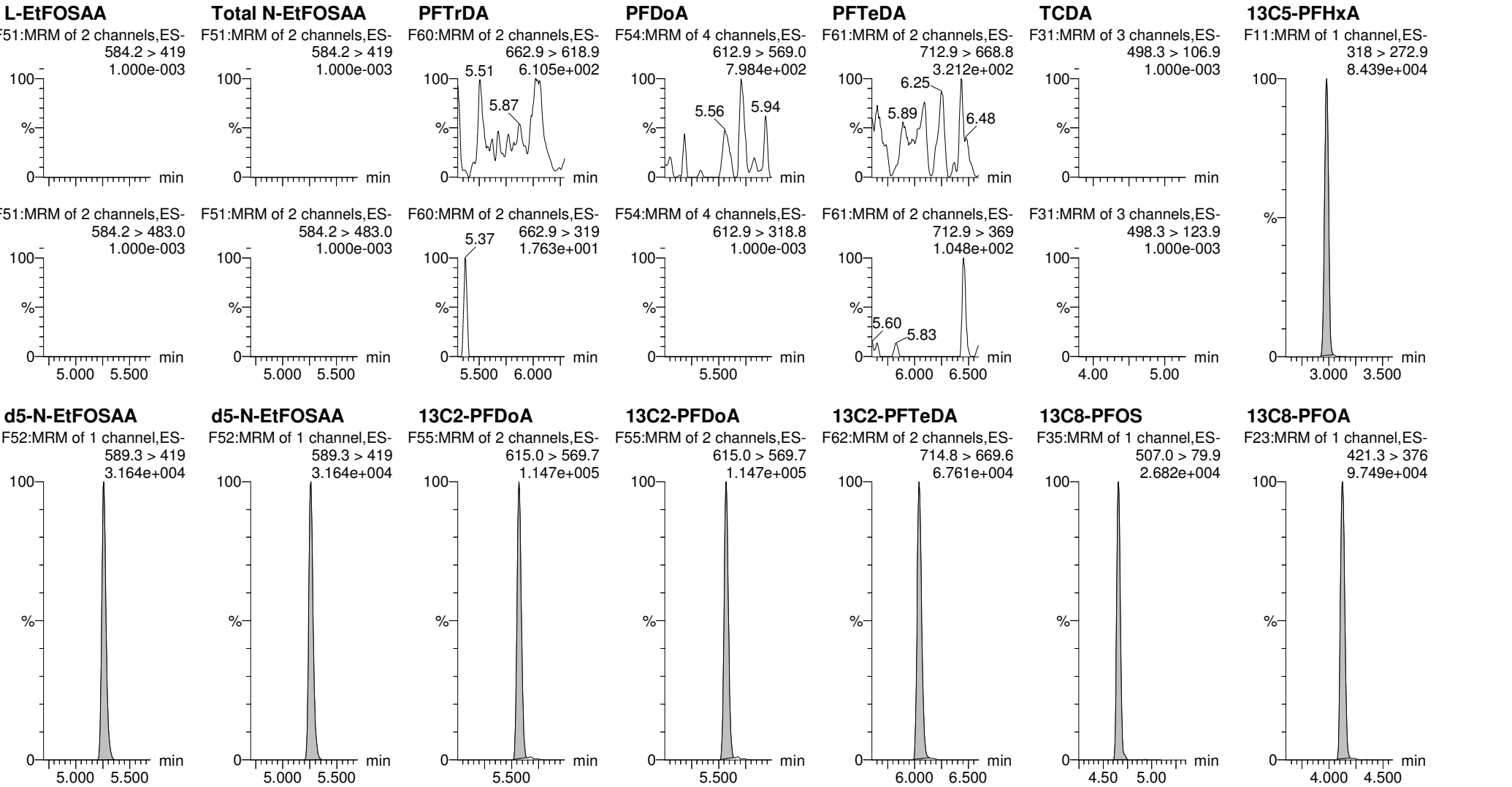
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706



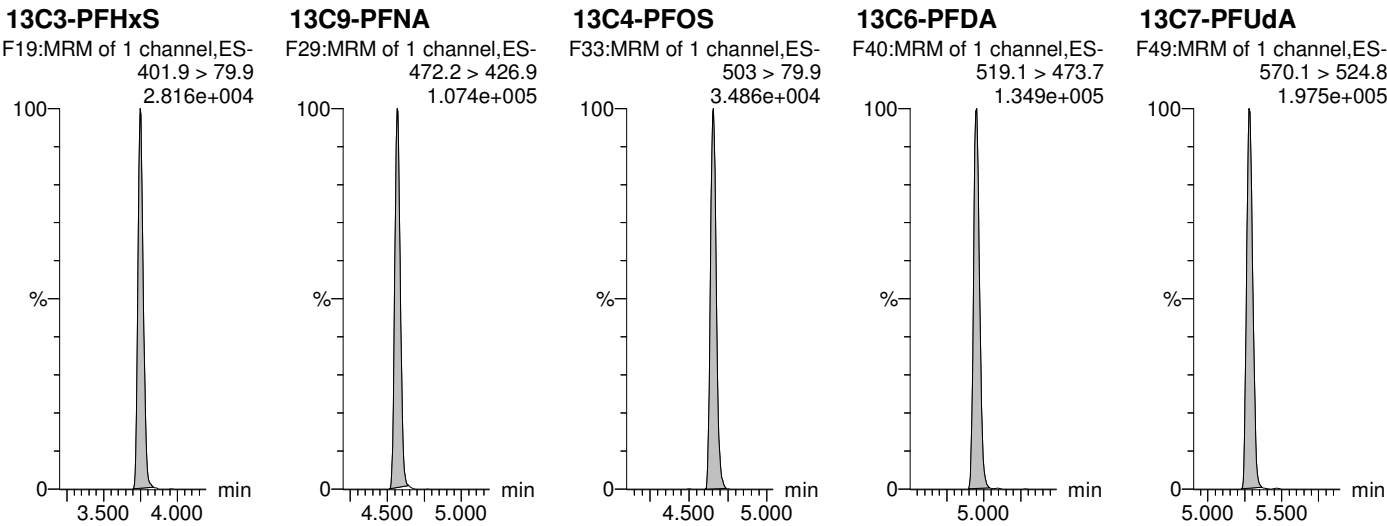
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-42.qld

Last Altered: Tuesday, July 31, 2018 09:48:36 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:50:43 Pacific Daylight Time

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706



MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	3.74e1	5.27e2	0.257	0.000	2.46	2.46	0.887	1.9846		3.563	NO
2	5 PFHxA	313.2 > 268.9	9.65e2	8.43e2	0.257	0.000	2.98	2.98	5.72	12.8358		439.066	YES
3	7 PFHpA	363.0 > 318.9		2.40e3	0.257		3.59						
4	8 L-PFHxS	398.9 > 79.6	2.88e1	4.34e2	0.257	0.000	3.70	3.76	0.830	2.0876		15.343	YES
5	68 Total PFHxS	398.9 > 79.6	2.88e1	4.34e2	0.257		3.70		0.830	2.0876			
6	11 L-PFOA	413 > 368.7		3.22e3	0.257		4.14						
7	69 Total PFOA	413 > 368.7	0.00e0	3.22e3	0.257		4.10		0.000				
8	38 13C3-PFBS	302. > 98.8	5.27e2	3.53e3	0.257	0.149	2.49	2.46	1.87	59.4787	122.2		
9	40 13C2-PFHxA	315 > 269.8	8.43e2	3.53e3	0.257	0.598	3.00	2.98	2.99	15.8553	81.4		
10	41 13C4-PFHpA	367.2 > 321.8	2.40e3	3.53e3	0.257	0.682	3.61	3.59	8.52	39.7102	81.6		
11	42 18O2-PFHxS	403.0 > 102.6	4.34e2	1.13e3	0.257	0.384	3.77	3.75	4.80	38.5068	79.1		
12	42 18O2-PFHxS	403.0 > 102.6	4.34e2	1.13e3	0.257	0.384	3.77	3.75	4.80	38.5068	79.1		
13	44 13C2-PFOA	414.9 > 369.7	3.22e3	3.98e3	0.257	0.809	4.14	4.12	10.1	38.4800	79.0		
14	44 13C2-PFOA	414.9 > 369.7	3.22e3	3.98e3	0.257	0.809	4.14	4.12	10.1	38.4800	79.0		
15	-1												
16	14 PFNA	463.0 > 418.8		2.85e3	0.257		4.59						
17	16 L-PFOS	499.1 > 79.9	1.00e1	1.16e3	0.257	0.000	4.67	4.53	0.107	0.9100		1.500	NO
18	70 Total PFOS	499.1 > 79.9	1.00e1	1.16e3	0.257		4.60		0.107	0.9100			
19	18 PFDA	513 > 468.8		3.03e3	0.257		4.97						
20	21 L-MeFOSAA	570.1 > 419		1.14e3	0.257		5.03						
21	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.14e3	0.257		5.07		0.000				
22	25 PFUdA	563.0 > 518.9		4.22e3	0.257		5.30						
23	45 13C5-PFNA	468.2 > 422.9	2.85e3	4.65e3	0.257	0.612	4.59	4.57	7.66	30.8170	63.3		
24	47 13C8-PFOS	507.0 > 79.9	1.16e3	1.44e3	0.257	0.807	4.68	4.66	10.1	36.2711	74.5		
25	47 13C8-PFOS	507.0 > 79.9	1.16e3	1.44e3	0.257	0.807	4.68	4.66	10.1	36.2711	74.5		
26	48 13C2-PFDA	515.1 > 469.9	3.03e3	5.34e3	0.257	0.567	4.97	4.95	7.09	30.3108	62.2		
27	50 d3-N-MeFOSAA	573.3 > 419	1.14e3	8.02e3	0.257	0.143	5.12	5.10	1.78	30.5432	62.7		
28	50 d3-N-MeFOSAA	573.3 > 419	1.14e3	8.02e3	0.257	0.143	5.12	5.10	1.78	30.5432	62.7		
29	52 13C2-PFUdA	565 > 519.8	4.22e3	8.02e3	0.257	0.527	5.30	5.28	6.58	27.8366	57.2		
30	-1												
31	23 L-EtFOSAA	584.2 > 419		1.29e3	0.257		5.28						
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	1.29e3	0.257		5.23		0.000				
33	29 PFTrDA	662.9 > 618.9		4.85e3	0.257		5.83						
34	27 PFDoA	612.9 > 569.0		4.85e3	0.257		5.59						
35	30 PFTeDA	712.9 > 668.8		3.03e3	0.257		6.05						
36	73 TCDA	498.3>106.9			0.257		5.11						

KBF 7/31/2018

MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706

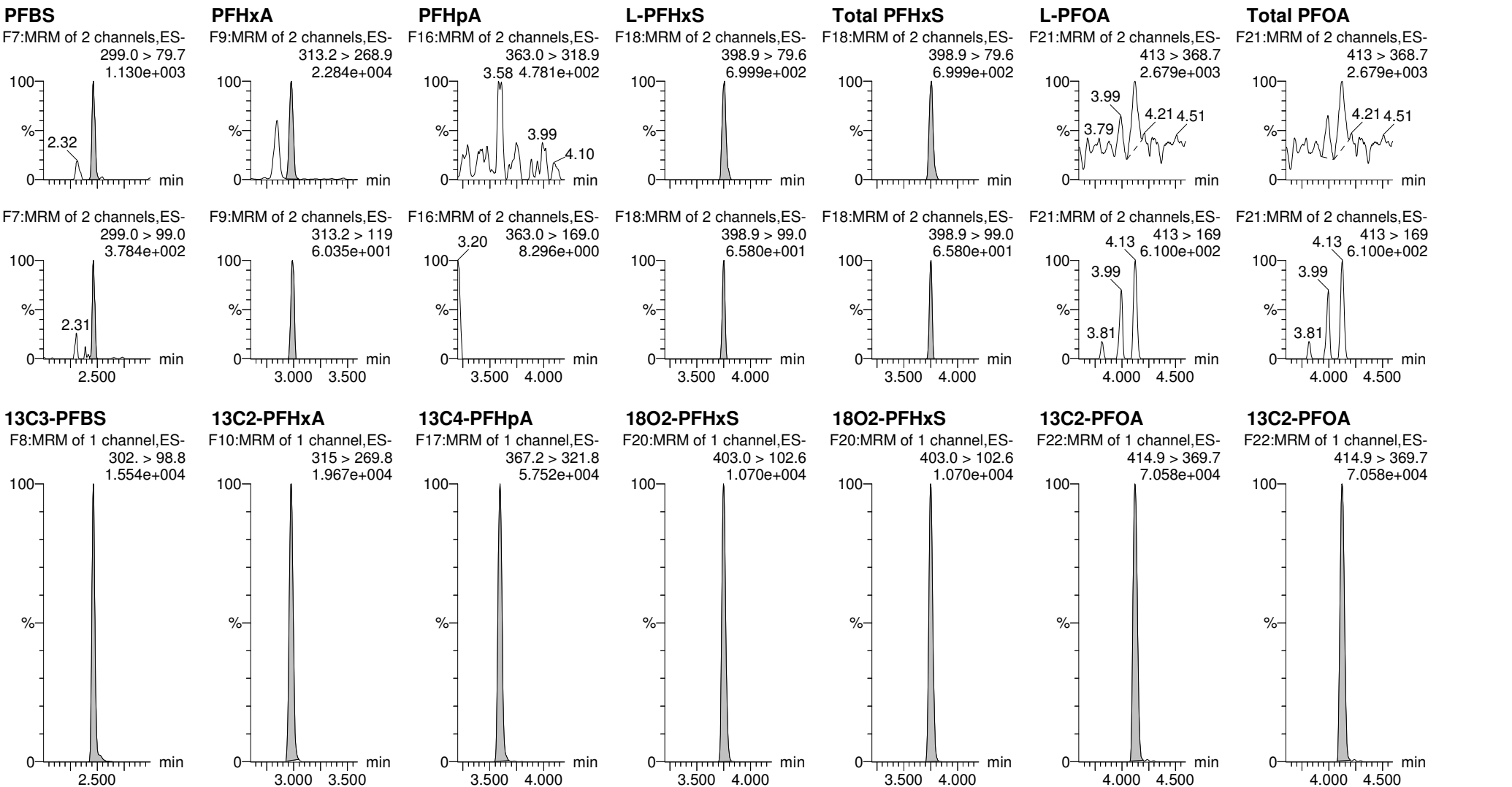
	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	61 13C5-PFHxA	318 > 272.9	3.53e3	3.53e3	0.257	1.00	3.00	2.97	12.5	48.6931	100.0		
38	51 d5-N-EtFOSAA	589.3 > 419	1.29e3	8.02e3	0.257	0.161	5.27	5.26	2.01	31.7957	65.3		
39	51 d5-N-EtFOSAA	589.3 > 419	1.29e3	8.02e3	0.257	0.161	5.27	5.26	2.01	31.7957	65.3		
40	53 13C2-PFDoA	615.0 > 569.7	4.85e3	5.34e3	0.257	0.908	5.59	5.57	11.3	35.0587	72.0		
41	53 13C2-PFDoA	615.0 > 569.7	4.85e3	5.34e3	0.257	0.908	5.59	5.57	11.3	35.0587	72.0		
42	55 13C2-PFTeDA	714.8 > 669.6	3.03e3	8.02e3	0.257	0.378	6.05	6.04	4.72	33.9773	69.8		
43	47 13C8-PFOS	507.0 > 79.9	1.16e3	1.44e3	0.257	0.807	4.68	4.66	10.1	36.2711	74.5		
44	63 13C8-PFOA	421.3 > 376	3.98e3	3.98e3	0.257	1.00	4.14	4.12	12.5	48.6931	100.0		
45	-1												
46	62 13C3-PFHxS	401.9 > 79.9	1.13e3	1.13e3	0.257	1.00	3.77	3.75	12.5	48.6931	100.0		
47	64 13C9-PFNA	472.2 > 426.9	4.65e3	4.65e3	0.257	1.00	4.59	4.56	12.5	48.6931	100.0		
48	65 13C4-PFOS	503 > 79.9	1.44e3	1.44e3	0.257	1.00	4.67	4.66	12.5	48.6931	100.0		
49	66 13C6-PFDA	519.1 > 473.7	5.34e3	5.34e3	0.257	1.00	4.97	4.95	12.5	48.6931	100.0		
50	67 13C7-PFUdA	570.1 > 524.8	8.02e3	8.02e3	0.257	1.00	5.29	5.28	12.5	48.6931	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 17:54:13
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706



Vista Analytical Laboratory

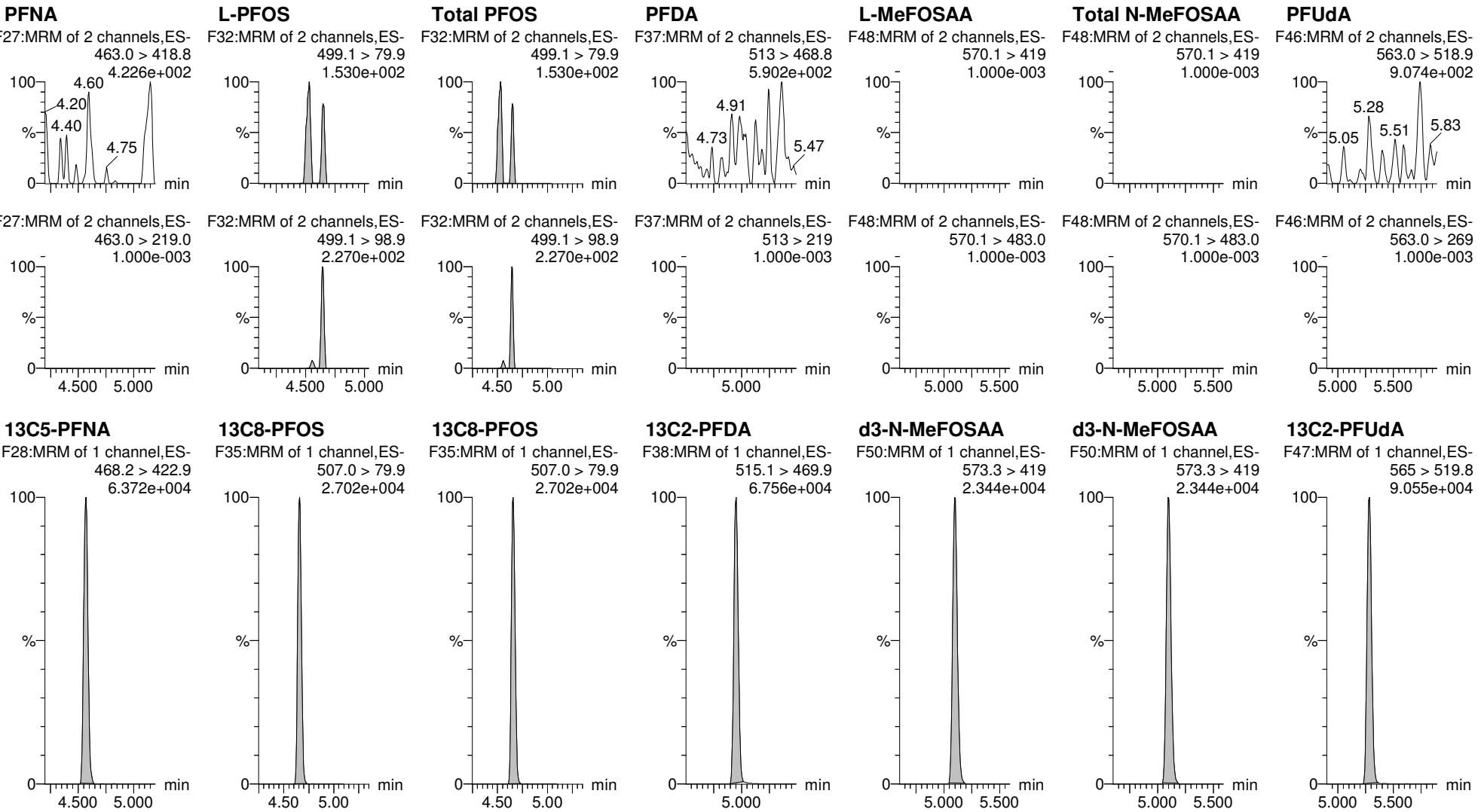
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706



Vista Analytical Laboratory

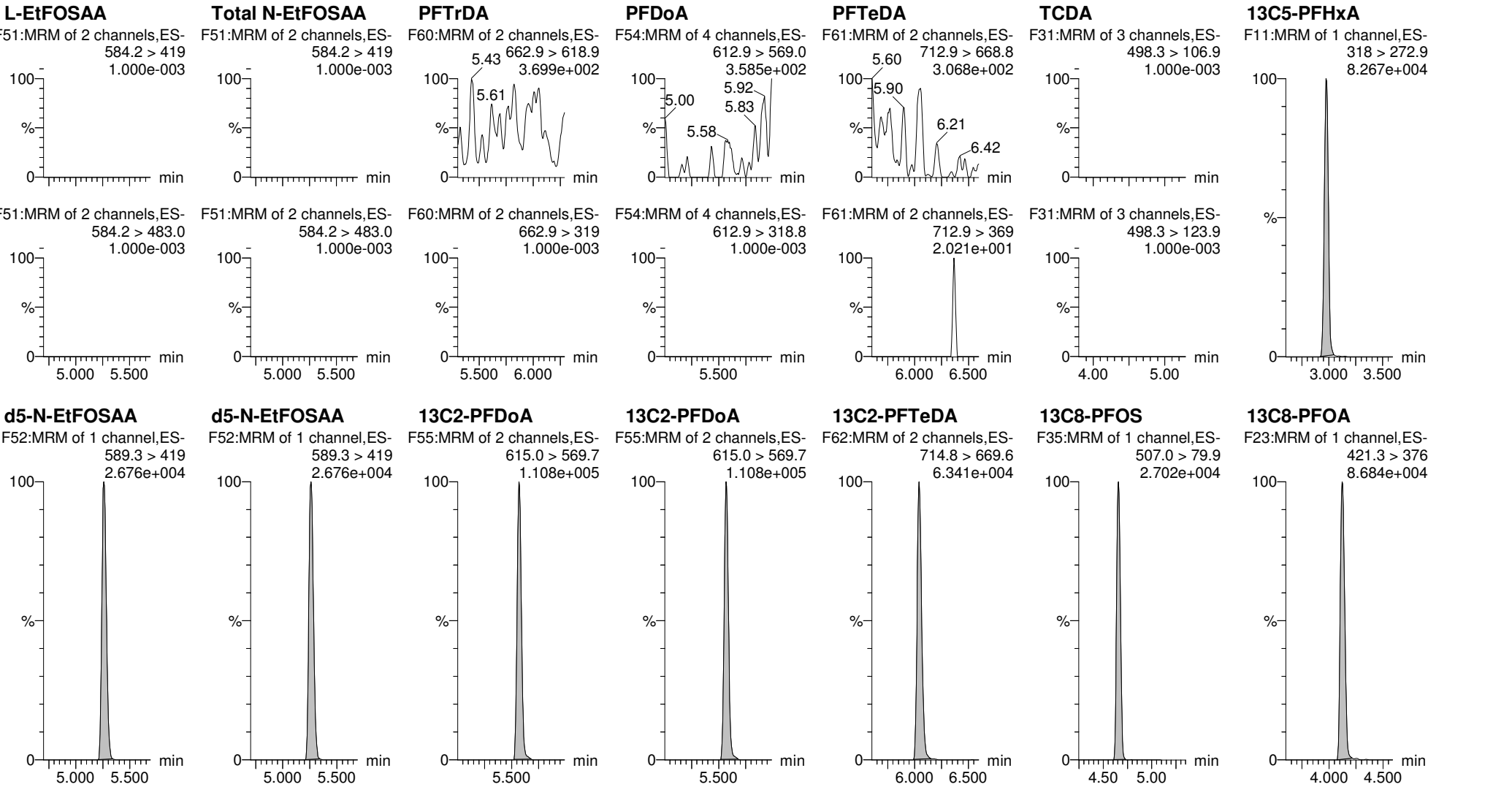
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706



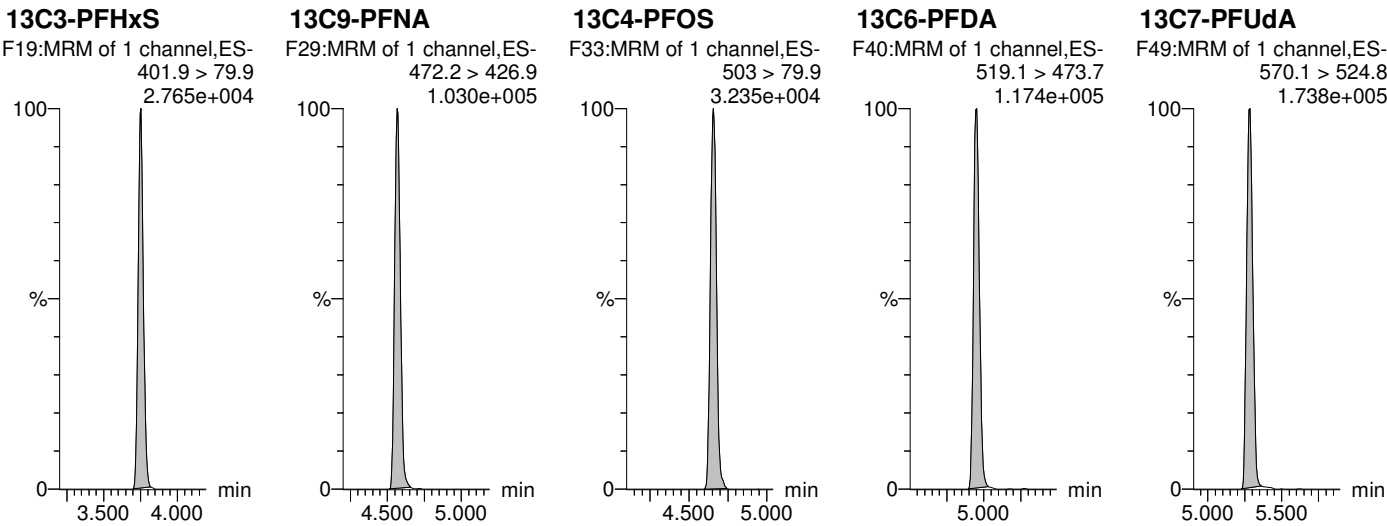
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-43.qld

Last Altered: Tuesday, July 31, 2018 09:56:14 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 09:57:16 Pacific Daylight Time

Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706



Vista Analytical Laboratory

MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-44.qld

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

*See dilution

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	1.77e4	5.42e2	0.261	0.000	2.46	2.46	409	769.3573		2.856	NO
2	5 PFHxA	313.2 > 268.9	2.85e5	9.34e2	0.261	0.000	2.98	2.98	1530	3978.0351 E*		185.299	NO
3	7 PFHpA	363.0 > 318.9	6.56e4	2.96e3	0.261	0.000	3.59	3.59	277	933.7040		15.733	NO
4	8 L-PFHxS	398.9 > 79.6	6.90e4	4.26e2	0.261	0.000	3.70	3.75	2020	4456.9231		1.897	NO
5	68 Total PFHxS	398.9 > 79.6	6.90e4	4.26e2	0.261		3.70		2020	4456.9231 E*			
6	11 L-PFOA	413 > 368.7	6.23e5	3.92e3	0.261	0.000	4.14	4.13	1990	10888.3505		4.032	NO
7	69 Total PFOA	413 > 368.7	7.61e5	3.92e3	0.261		4.10		2430	12605.4470 E*			
8	38 13C3-PFBS	302. > 98.8	5.42e2	3.79e3	0.261	0.143	2.49	2.46	1.79	55.9684	116.9		
9	40 13C2-PFHxA	315 > 269.8	9.34e2	3.79e3	0.261	0.617	3.00	2.98	3.08	16.0880	84.0		
10	41 13C4-PFHpA	367.2 > 321.8	2.96e3	3.79e3	0.261	0.782	3.61	3.59	9.77	44.7773	93.5		
11	42 18O2-PFHxS	403.0 > 102.6	4.26e2	1.03e3	0.261	0.414	3.77	3.75	5.17	40.8120	85.2		
12	42 18O2-PFHxS	403.0 > 102.6	4.26e2	1.03e3	0.261	0.414	3.77	3.75	5.17	40.8120	85.2		
13	44 13C2-PFOA	414.9 > 369.7	3.92e3	4.18e3	0.261	0.937	4.14	4.12	11.7	43.8351	91.5		
14	44 13C2-PFOA	414.9 > 369.7	3.92e3	4.18e3	0.261	0.937	4.14	4.12	11.7	43.8351	91.5		
15	-1												
16	14 PFNA	463.0 > 418.8	2.52e3	4.08e3	0.261	0.000	4.59	4.57	7.71	24.1175		4.548	NO
17	16 L-PFOS	499.1 > 79.9	7.05e4	1.21e3	0.261	0.000	4.67	4.66	730	2788.0054		1.972	NO
18	70 Total PFOS	499.1 > 79.9	7.05e4	1.21e3	0.261		4.60		730	2788.0054 E*			
19	18 PFDA	513 > 468.8	2.18e2	4.54e3	0.261	0.000	4.97	4.95	0.601	1.8086		8.055	YES
20	21 L-MeFOSAA	570.1 > 419		1.44e3	0.261		5.03						
21	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.44e3	0.261		5.07		0.000				
22	25 PFUdA	563.0 > 518.9		6.07e3	0.261		5.30						
23	45 13C5-PFNA	468.2 > 422.9	4.08e3	5.52e3	0.261	0.739	4.59	4.57	9.24	36.5914	76.4		
24	47 13C8-PFOS	507.0 > 79.9	1.21e3	1.40e3	0.261	0.862	4.68	4.66	10.8	38.1003	79.6		
25	47 13C8-PFOS	507.0 > 79.9	1.21e3	1.40e3	0.261	0.862	4.68	4.66	10.8	38.1003	79.6		
26	48 13C2-PFDA	515.1 > 469.9	4.54e3	7.20e3	0.261	0.631	4.97	4.95	7.89	33.1586	69.2		
27	50 d3-N-MeFOSAA	573.3 > 419	1.44e3	1.04e4	0.261	0.139	5.12	5.10	1.73	29.1979	61.0		
28	50 d3-N-MeFOSAA	573.3 > 419	1.44e3	1.04e4	0.261	0.139	5.12	5.10	1.73	29.1979	61.0		
29	52 13C2-PFUdA	565 > 519.8	6.07e3	1.04e4	0.261	0.586	5.30	5.28	7.33	30.4919	63.7		
30	-1												
31	23 L-EtFOSAA	584.2 > 419		1.65e3	0.261		5.28						
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	1.65e3	0.261		5.23		0.000				
33	29 PFTrDA	662.9 > 618.9		5.96e3	0.261		5.83						
34	27 PFDoA	612.9 > 569.0		5.96e3	0.261		5.59						
35	30 PFTeDA	712.9 > 668.8		3.80e3	0.261		6.05						
36	73 TCDA	498.3>106.9			0.261		5.11						

KBf 7/31/2018

MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-44.qld

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	61 13C5-PFHxA	318 > 272.9	3.79e3	3.79e3	0.261	1.00	3.00	2.97	12.5	47.8927	100.0		
38	51 d5-N-EtFOSAA	589.3 > 419	1.65e3	1.04e4	0.261	0.159	5.27	5.26	1.99	31.0473	64.8		
39	51 d5-N-EtFOSAA	589.3 > 419	1.65e3	1.04e4	0.261	0.159	5.27	5.26	1.99	31.0473	64.8		
40	53 13C2-PFDoA	615.0 > 569.7	5.96e3	7.20e3	0.261	0.828	5.59	5.57	10.3	31.4487	65.7		
41	53 13C2-PFDoA	615.0 > 569.7	5.96e3	7.20e3	0.261	0.828	5.59	5.57	10.3	31.4487	65.7		
42	55 13C2-PFTeDA	714.8 > 669.6	3.80e3	1.04e4	0.261	0.366	6.05	6.04	4.58	32.4274	67.7		
43	47 13C8-PFOS	507.0 > 79.9	1.21e3	1.40e3	0.261	0.862	4.68	4.66	10.8	38.1003	79.6		
44	63 13C8-PFOA	421.3 > 376	4.18e3	4.18e3	0.261	1.00	4.14	4.12	12.5	47.8927	100.0		
45	-1												
46	62 13C3-PFHxS	401.9 > 79.9	1.03e3	1.03e3	0.261	1.00	3.77	3.75	12.5	47.8927	100.0		
47	64 13C9-PFNA	472.2 > 426.9	5.52e3	5.52e3	0.261	1.00	4.59	4.57	12.5	47.8927	100.0		
48	65 13C4-PFOS	503 > 79.9	1.40e3	1.40e3	0.261	1.00	4.67	4.66	12.5	47.8927	100.0		
49	66 13C6-PFDA	519.1 > 473.7	7.20e3	7.20e3	0.261	1.00	4.97	4.95	12.5	47.8927	100.0		
50	67 13C7-PFUdA	570.1 > 524.8	1.04e4	1.04e4	0.261	1.00	5.29	5.28	12.5	47.8927	100.0		

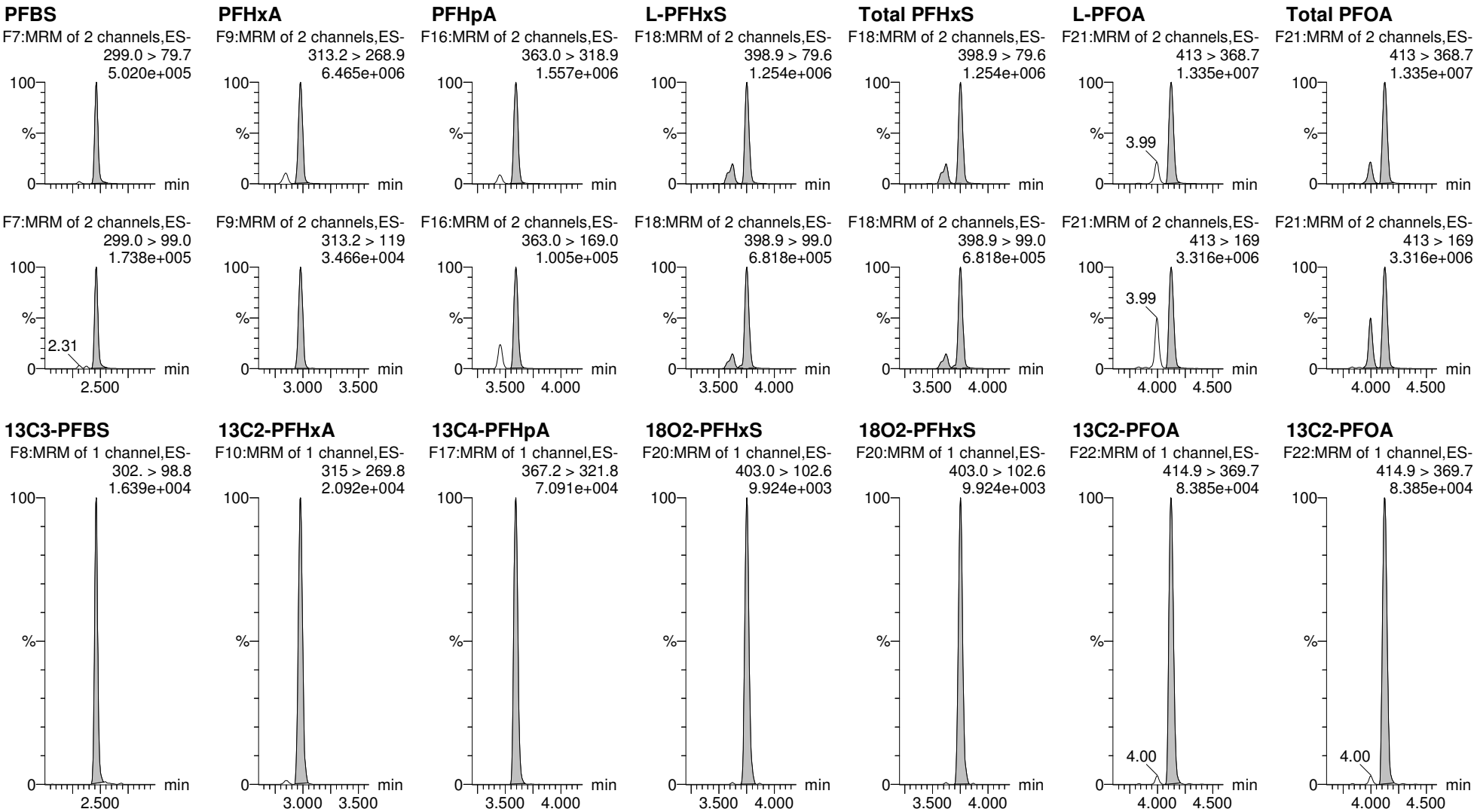
Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-44.qld

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 17:54:13
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706



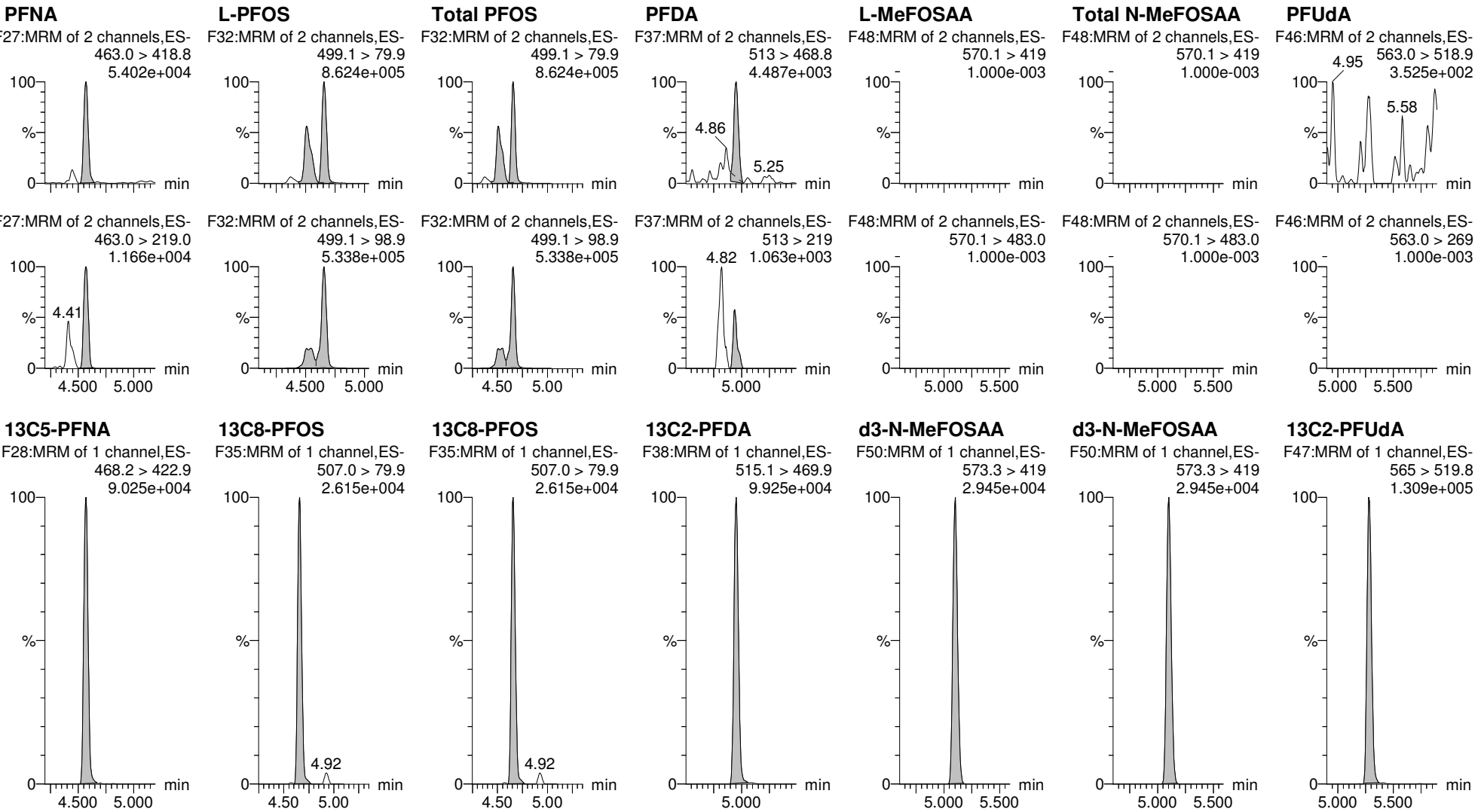
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MMM 7/31/2018

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

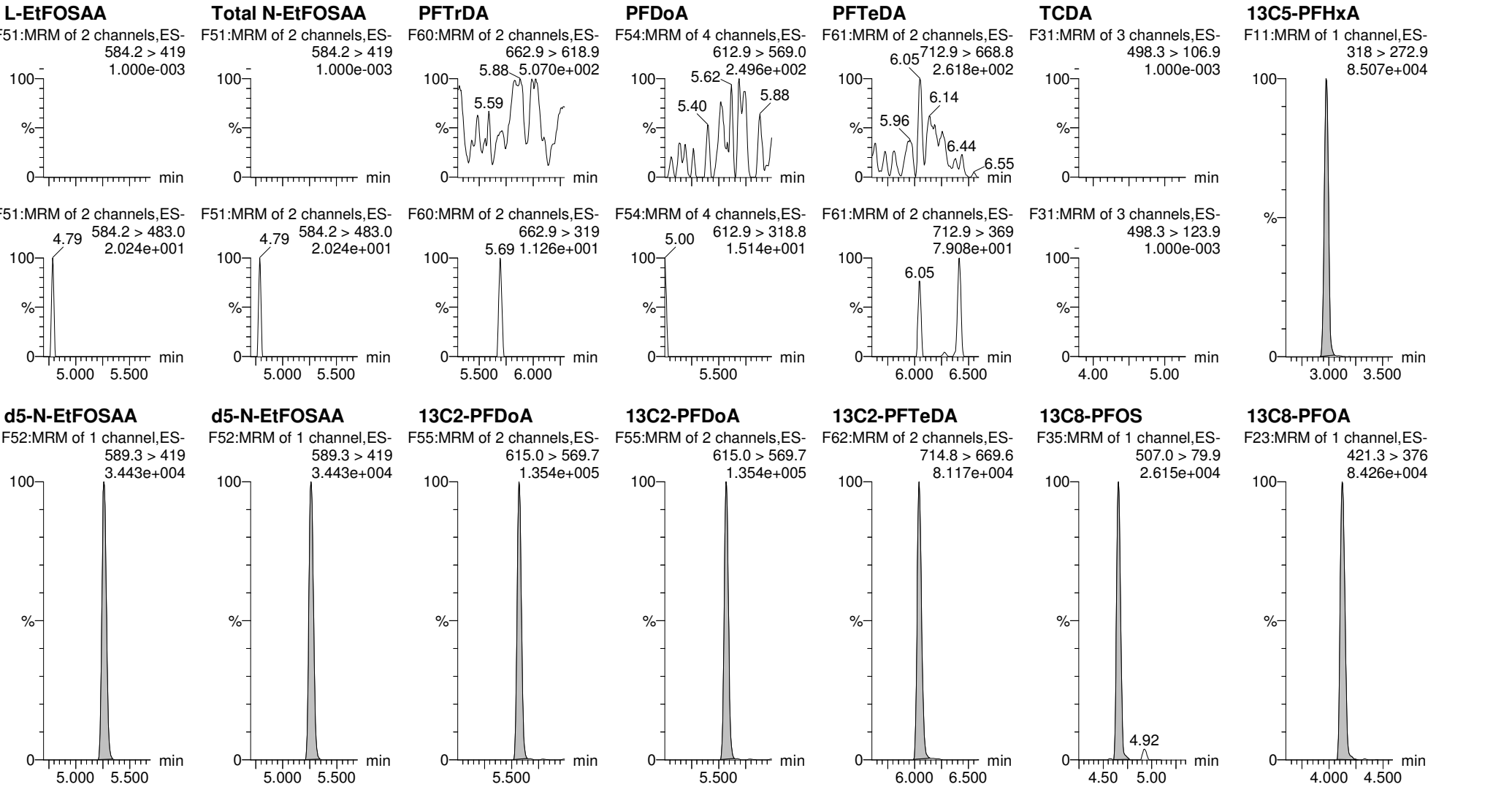
Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706



Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-44.qld

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706



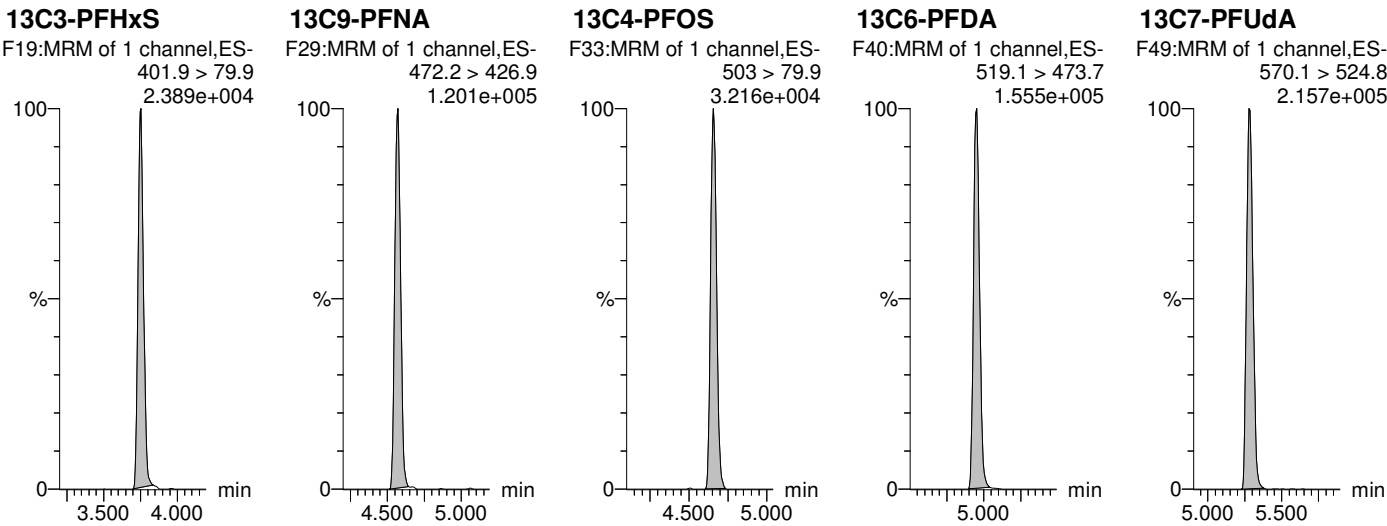
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-44.qld

Last Altered: Tuesday, July 31, 2018 10:02:35 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:03:29 Pacific Daylight Time

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706



MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-114.qld

Last Altered: Tuesday, July 31, 2018 10:45:10 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:45:57 Pacific Daylight Time

*Report in ug/L

Name: 180726M1_114, Date: 27-Jul-2018, Time: 13:36:27, ID: 1801623-03RE1@10X SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

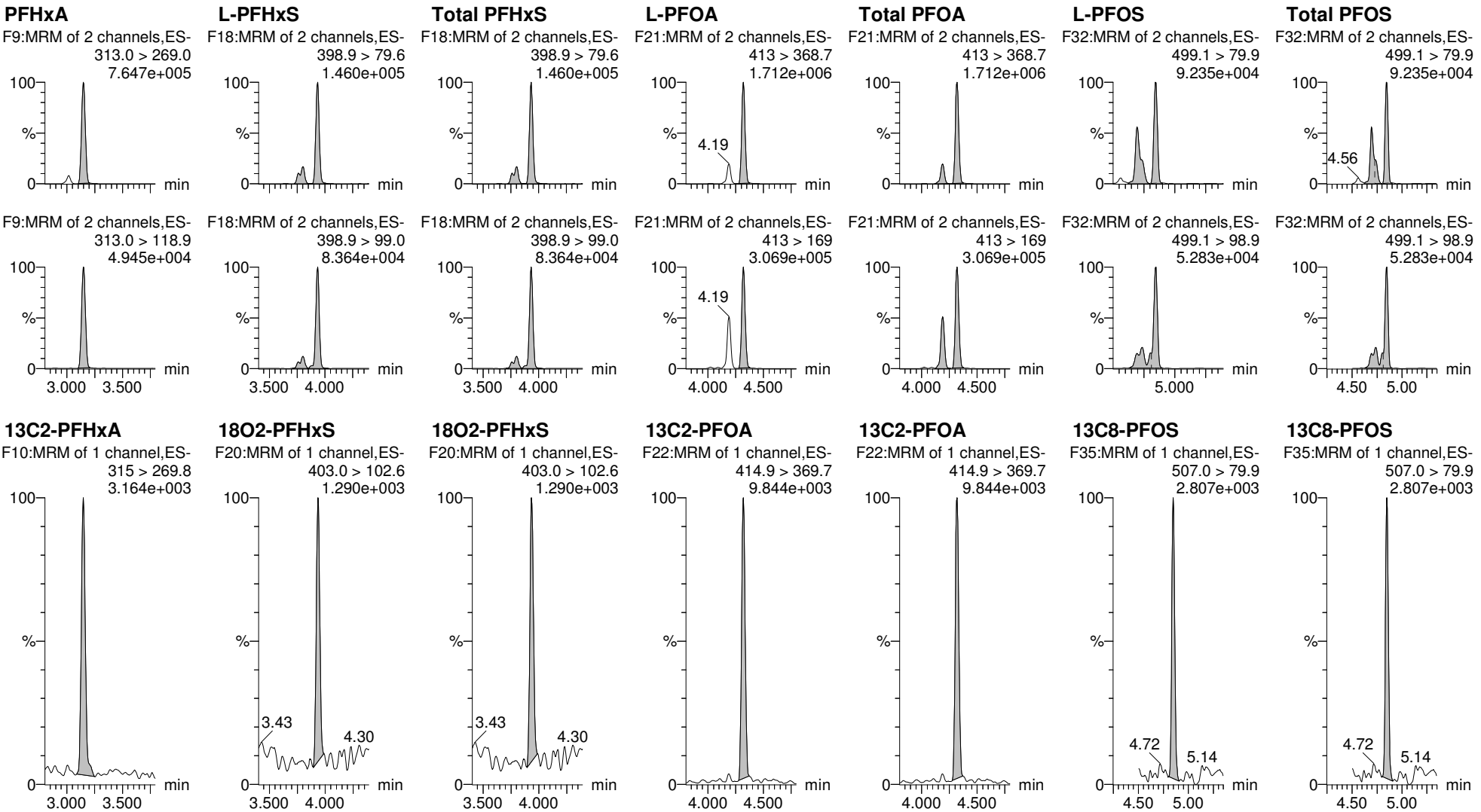
	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc. *	%Rec	Ion Ratio	Ratio Out?
1	5 PFHxA	313.0 > 269.0	2.91e4	1.24e2	0.261	0.000	3.15	3.15	1.17	2.8501		15.339	NO
2	8 L-PFHxS	398.9 > 79.6	6.65e3	4.38e1	0.261	0.000	3.93	3.93	1.90	4.5004		1.818	NO
3	68 Total PFHxS	398.9 > 79.6	6.65e3	4.38e1	0.261		4.12		1.90	4.5004			
4	11 L-PFOA	413 > 368.7	6.11e4	3.59e2	0.261	0.000	4.33	4.32	2.13	7.5625		5.477	NO
5	69 Total PFOA	413 > 368.7	7.39e4	3.59e2	0.261		4.30		2.57	9.0345			
6	16 L-PFOS	499.1 > 79.9	5.70e3	8.99e1	0.261	0.000	4.86	4.84	0.793	3.6873		2.119	NO
7	70 Total PFOS	499.1 > 79.9	5.70e3	8.99e1	0.261		5.00		0.793	3.6873			
8	40 13C2-PFHxA	315 > 269.8	1.24e2	4.30e2	0.261	0.722	3.16	3.15	0.00361	0.0182	94.8		
9	42 18O2-PFHxS	403.0 > 102.6	4.38e1	1.14e2	0.261	0.384	3.95	3.93	0.00479	0.0375	78.2		
10	42 18O2-PFHxS	403.0 > 102.6	4.38e1	1.14e2	0.261	0.384	3.95	3.93	0.00479	0.0375	78.2		
11	44 13C2-PFOA	414.9 > 369.7	3.59e2	3.88e2	0.261	0.924	4.33	4.32	0.0115	0.0435	90.9		
12	44 13C2-PFOA	414.9 > 369.7	3.59e2	3.88e2	0.261	0.924	4.33	4.32	0.0115	0.0435	90.9		
13	47 13C8-PFOS	507.0 > 79.9	8.99e1	1.40e2	0.261	0.643	4.86	4.85	0.00804	0.0294	61.3		
14	47 13C8-PFOS	507.0 > 79.9	8.99e1	1.40e2	0.261	0.643	4.86	4.85	0.00804	0.0294	61.3		
15	-1												
16	73 TCDA	498.3>106.9			0.261		5.11						
17	61 13C5-PFHxA	318 > 272.9	4.30e2	4.30e2	0.261	1.00	3.16	3.15	0.0125	0.0479	100.0		
18	62 13C3-PFHxS	401.9 > 79.9	1.14e2	1.14e2	0.261	1.00	3.95	3.93	0.0125	0.0479	100.0		
19	65 13C4-PFOS	503 > 79.9	1.40e2	1.40e2	0.261	1.00	4.86	4.85	0.0125	0.0479	100.0		
20	63 13C8-PFOA	421.3 > 376	3.88e2	3.88e2	0.261	1.00	4.33	4.32	0.0125	0.0479	100.0		
21	-1												

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-114.qld

Last Altered: Tuesday, July 31, 2018 10:45:10 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 10:45:57 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 27 Jul 2018 15:04:28
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_114, Date: 27-Jul-2018, Time: 13:36:27, ID: 1801623-03RE1@10X SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

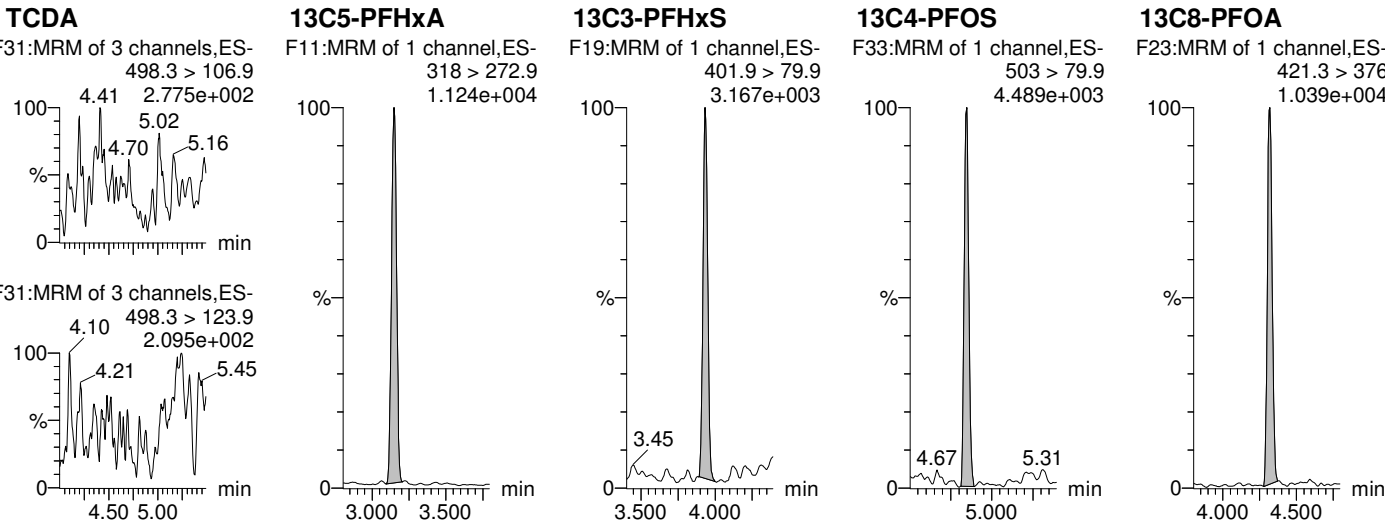


Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-114.qld

Last Altered: Tuesday, July 31, 2018 10:45:10 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:45:57 Pacific Daylight Time

Name: 180726M1_114, Date: 27-Jul-2018, Time: 13:36:27, ID: 1801623-03RE1@10X SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706



MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7		5.14e2	0.262		2.46						
2	5 PFHxA	313.2 > 268.9		8.40e2	0.262		2.98						
3	7 PFHpA	363.0 > 318.9		2.33e3	0.262		3.59						
4	8 L-PFHxS	398.9 > 79.6		5.30e2	0.262		3.70						
5	68 Total PFHxS	398.9 > 79.6	0.00e0	5.30e2	0.262		3.70		0.000				
6	11 L-PFOA	413 > 368.7		3.16e3	0.262		4.14						
7	69 Total PFOA	413 > 368.7	0.00e0	3.16e3	0.262		4.10		0.000				
8	38 13C3-PFBS	302. > 98.8	5.14e2	3.40e3	0.262	0.151	2.49	2.46	1.89	59.0078	123.6		
9	40 13C2-PFHxA	315 > 269.8	8.40e2	3.40e3	0.262	0.617	3.00	2.98	3.09	16.0591	84.1		
10	41 13C4-PFHpA	367.2 > 321.8	2.33e3	3.40e3	0.262	0.686	3.61	3.59	8.58	39.1872	82.1		
11	42 18O2-PFHxS	403.0 > 102.6	5.30e2	1.29e3	0.262	0.410	3.77	3.75	5.12	40.2887	84.4		
12	42 18O2-PFHxS	403.0 > 102.6	5.30e2	1.29e3	0.262	0.410	3.77	3.75	5.12	40.2887	84.4		
13	44 13C2-PFOA	414.9 > 369.7	3.16e3	3.78e3	0.262	0.837	4.14	4.13	10.5	39.0404	81.8		
14	44 13C2-PFOA	414.9 > 369.7	3.16e3	3.78e3	0.262	0.837	4.14	4.13	10.5	39.0404	81.8		
15	-1												
16	14 PFNA	463.0 > 418.8		3.22e3	0.262		4.59						
17	16 L-PFOS	499.1 > 79.9	3.33e0	1.36e3	0.262	0.000	4.67	4.64	0.0307	0.5782		0.482	YES
18	70 Total PFOS	499.1 > 79.9	3.33e0	1.36e3	0.262		4.60		0.0307	0.5782			
19	18 PFDA	513 > 468.8		3.55e3	0.262		4.97						
20	21 L-MeFOSAA	570.1 > 419		1.15e3	0.262		5.03						
21	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.15e3	0.262		5.07		0.000				
22	25 PFUdA	563.0 > 518.9		5.02e3	0.262		5.30						
23	45 13C5-PFNA	468.2 > 422.9	3.22e3	4.36e3	0.262	0.739	4.59	4.57	9.23	36.4389	76.3		
24	47 13C8-PFOS	507.0 > 79.9	1.36e3	1.57e3	0.262	0.867	4.68	4.66	10.8	38.1977	80.0		
25	47 13C8-PFOS	507.0 > 79.9	1.36e3	1.57e3	0.262	0.867	4.68	4.66	10.8	38.1977	80.0		
26	48 13C2-PFDA	515.1 > 469.9	3.55e3	5.37e3	0.262	0.660	4.97	4.95	8.25	34.5969	72.5		
27	50 d3-N-MeFOSAA	573.3 > 419	1.15e3	8.17e3	0.262	0.140	5.12	5.10	1.75	29.4613	61.7		
28	50 d3-N-MeFOSAA	573.3 > 419	1.15e3	8.17e3	0.262	0.140	5.12	5.10	1.75	29.4613	61.7		
29	52 13C2-PFUdA	565 > 519.8	5.02e3	8.17e3	0.262	0.614	5.30	5.28	7.68	31.8419	66.7		
30	-1												
31	23 L-EtFOSAA	584.2 > 419		1.44e3	0.262		5.28						
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	1.44e3	0.262		5.23		0.000				
33	29 PFTrDA	662.9 > 618.9		4.82e3	0.262		5.83						
34	27 PFDoA	612.9 > 569.0		4.82e3	0.262		5.59						
35	30 PFTeDA	712.9 > 668.8		3.14e3	0.262		6.05						
36	73 TCDA	498.3>106.9			0.262		5.11						

KBF 7/31/2018

MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time
Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	61 13C5-PFHxA	318 > 272.9	3.40e3	3.40e3	0.262	1.00	3.00	2.98	12.5	47.7445	100.0		
38	51 d5-N-EtFOSAA	589.3 > 419	1.44e3	8.17e3	0.262	0.176	5.27	5.26	2.20	34.2510	71.7		
39	51 d5-N-EtFOSAA	589.3 > 419	1.44e3	8.17e3	0.262	0.176	5.27	5.26	2.20	34.2510	71.7		
40	53 13C2-PFDoA	615.0 > 569.7	4.82e3	5.37e3	0.262	0.898	5.59	5.57	11.2	33.9993	71.2		
41	53 13C2-PFDoA	615.0 > 569.7	4.82e3	5.37e3	0.262	0.898	5.59	5.57	11.2	33.9993	71.2		
42	55 13C2-PFTeDA	714.8 > 669.6	3.14e3	8.17e3	0.262	0.385	6.05	6.04	4.81	33.9737	71.2		
43	47 13C8-PFOS	507.0 > 79.9	1.36e3	1.57e3	0.262	0.867	4.68	4.66	10.8	38.1977	80.0		
44	63 13C8-PFOA	421.3 > 376	3.78e3	3.78e3	0.262	1.00	4.14	4.13	12.5	47.7445	100.0		
45	-1												
46	62 13C3-PFHxS	401.9 > 79.9	1.29e3	1.29e3	0.262	1.00	3.77	3.75	12.5	47.7445	100.0		
47	64 13C9-PFNA	472.2 > 426.9	4.36e3	4.36e3	0.262	1.00	4.59	4.57	12.5	47.7445	100.0		
48	65 13C4-PFOS	503 > 79.9	1.57e3	1.57e3	0.262	1.00	4.67	4.66	12.5	47.7445	100.0		
49	66 13C6-PFDA	519.1 > 473.7	5.37e3	5.37e3	0.262	1.00	4.97	4.95	12.5	47.7445	100.0		
50	67 13C7-PFUdA	570.1 > 524.8	8.17e3	8.17e3	0.262	1.00	5.29	5.28	12.5	47.7445	100.0		

Vista Analytical Laboratory

MMM 7/31/2018

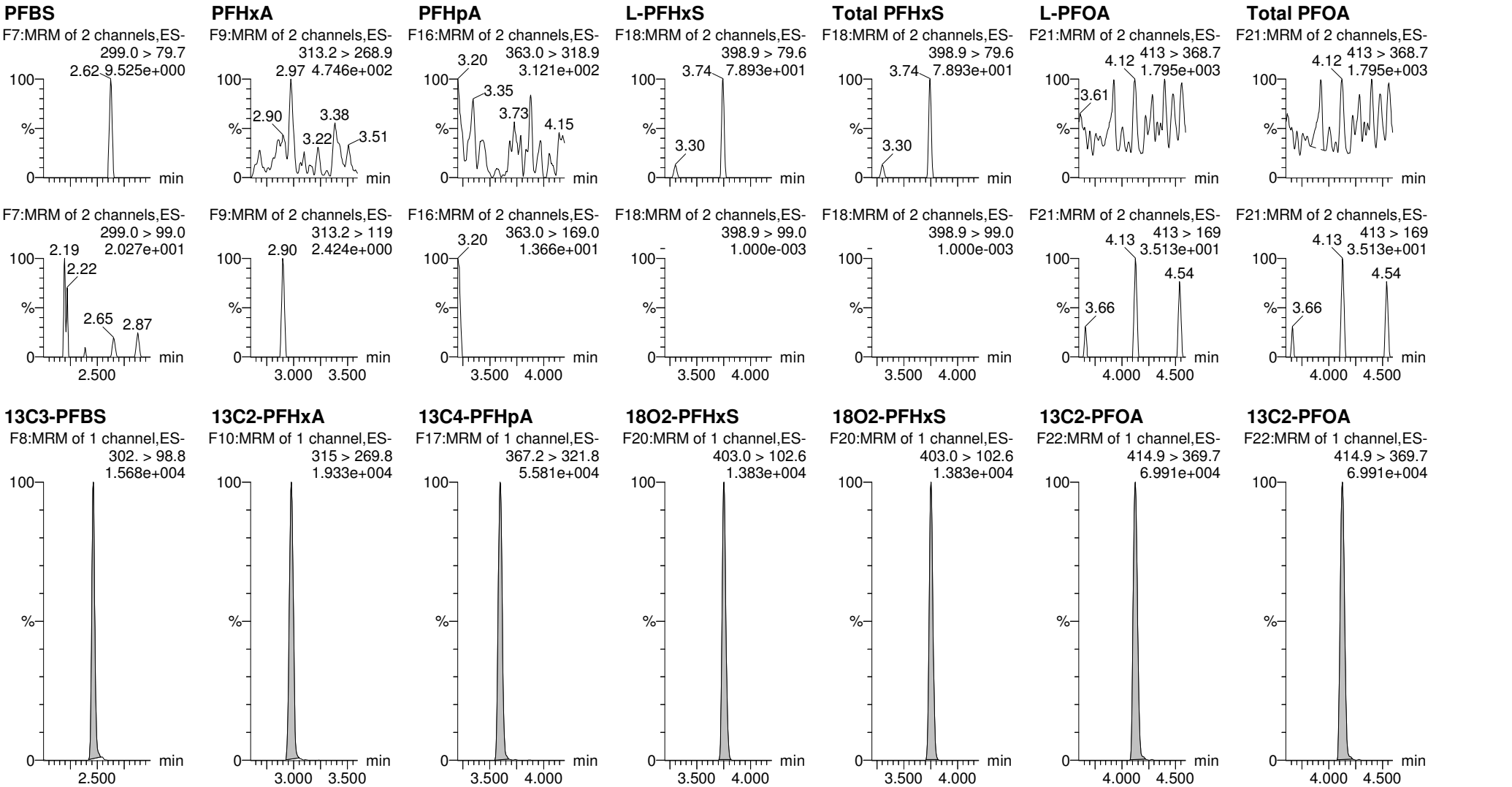
Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 17:54:13
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706



KBF 7/31/2018

Vista Analytical Laboratory

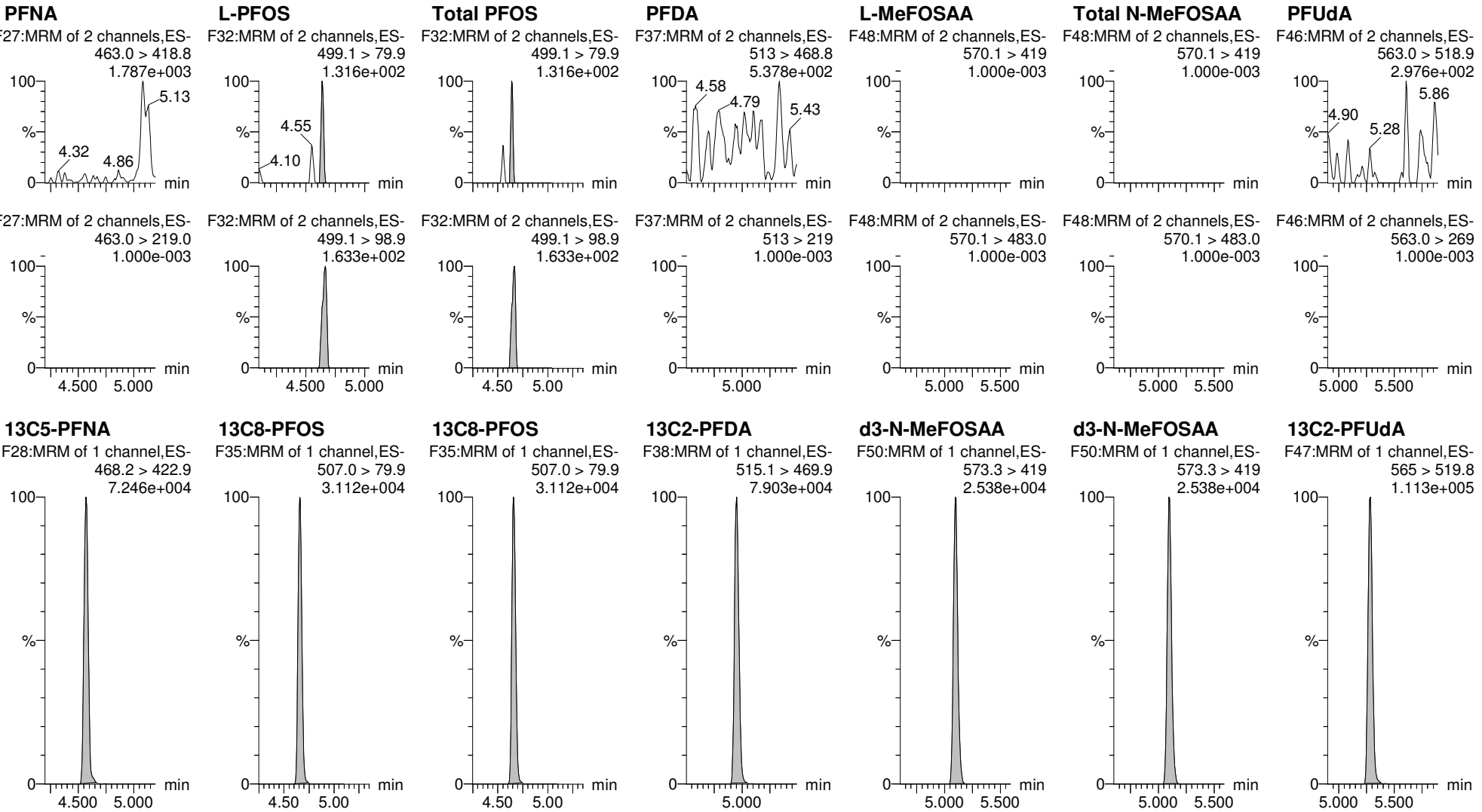
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706



Vista Analytical Laboratory

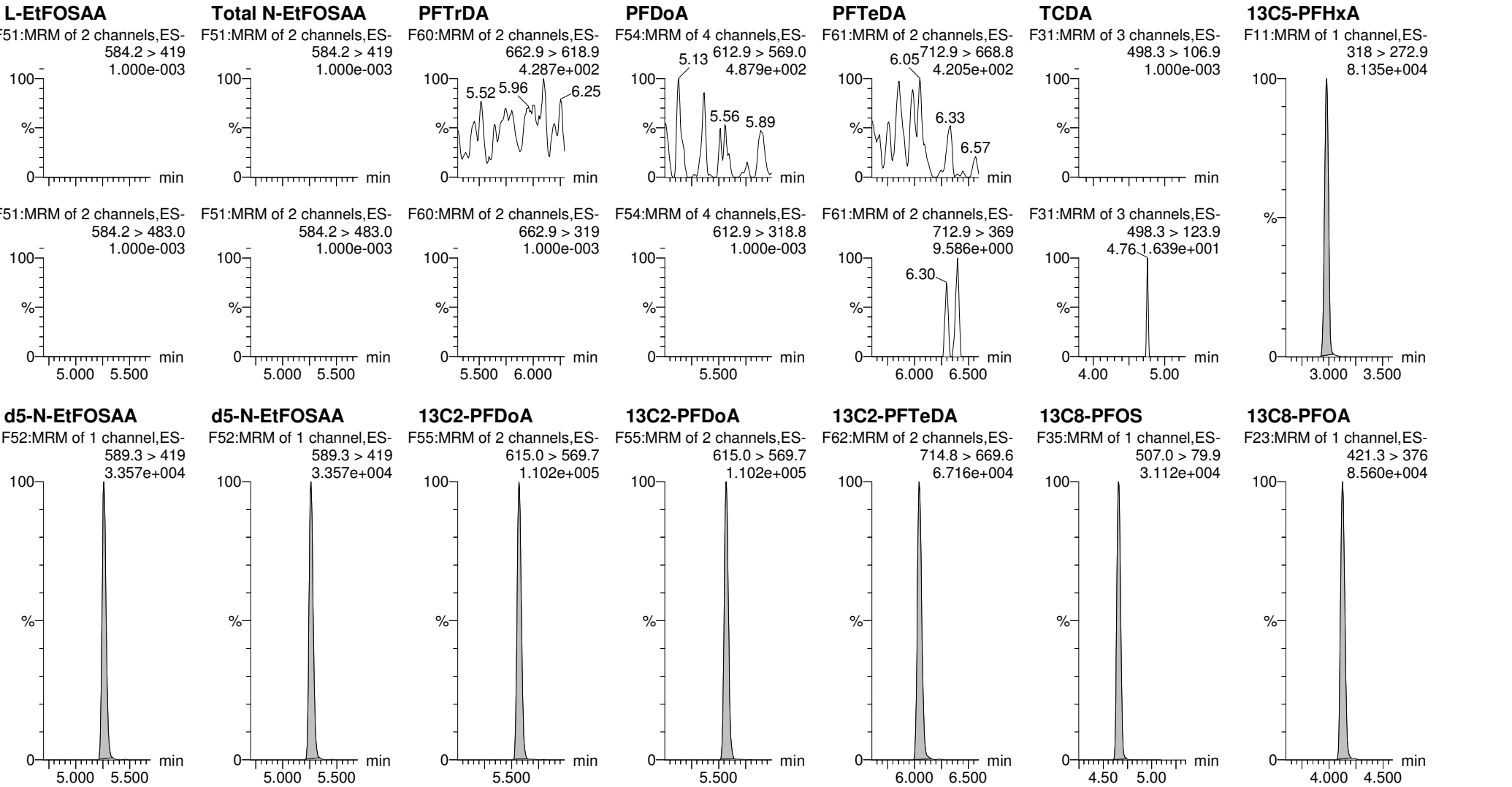
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706



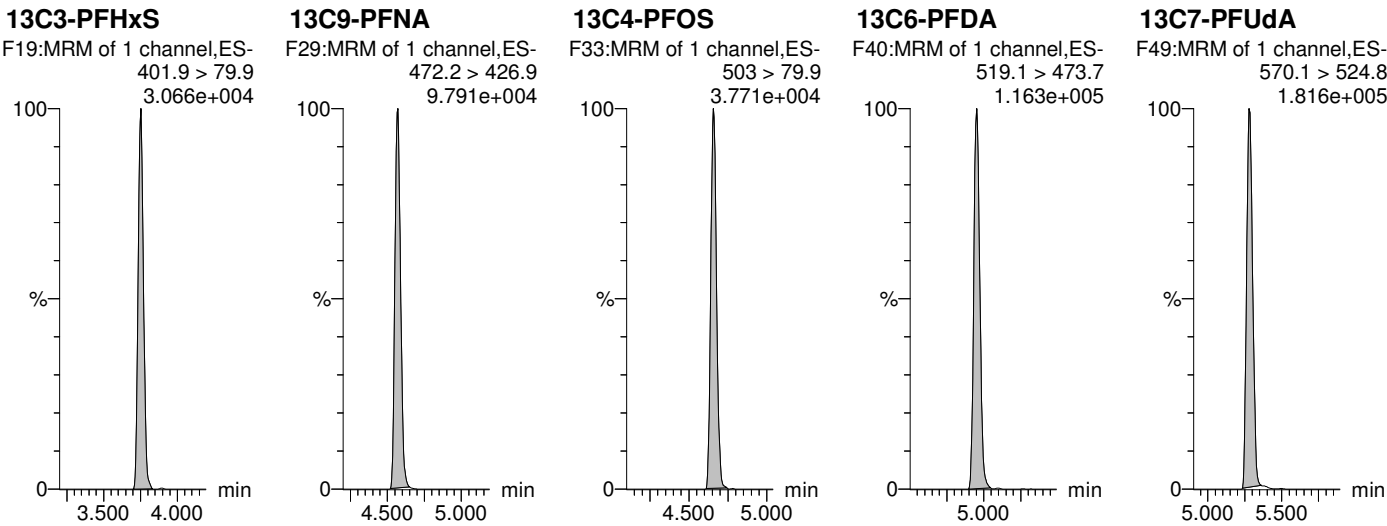
MMM 7/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180722M1\180722M1-48.qld

Last Altered: Tuesday, July 31, 2018 10:07:28 Pacific Daylight Time

Printed: Tuesday, July 31, 2018 10:08:04 Pacific Daylight Time

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706



**INJECTION INTERNAL STANDARD (IIS) AREAS,
INSTRUMENT BLANKS (IB)
AND
CONTINUING CALIBRATION VERIFICATIONS CCV)**

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\IIS.qld

Last Altered: Monday, July 23, 2018 14:45:13 Pacific Daylight Time

Printed: Monday, July 23, 2018 14:45:39 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-7-21-18.mdb 21 Jul 2018 14:34:48

Calibration: 23 Jul 2018 14:45:12

Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-6 PFC CS3 18G1915	5.31e3	100.0	NO
2	2	13C5-PFHxA	ST180722M1-6 PFC CS3 18G1915	7.05e3	100.0	NO
3	3	13C3-PFHxS	ST180722M1-6 PFC CS3 18G1915	1.70e3	100.0	NO
4	4	13C8-PFOA	ST180722M1-6 PFC CS3 18G1915	8.18e3	100.0	NO
5	5	13C9-PFNA	ST180722M1-6 PFC CS3 18G1915	8.27e3	100.0	NO
6	6	13C4-PFOS	ST180722M1-6 PFC CS3 18G1915	1.84e3	100.0	NO
7	7	13C6-PFDA	ST180722M1-6 PFC CS3 18G1915	9.61e3	100.0	NO
8	8	13C7-PFUDa	ST180722M1-6 PFC CS3 18G1915	1.37e4	100.0	NO

Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-7 PFC CS4 18G1916	5.01e3	94.4	NO
2	2	13C5-PFHxA	ST180722M1-7 PFC CS4 18G1916	6.20e3	87.9	NO
3	3	13C3-PFHxS	ST180722M1-7 PFC CS4 18G1916	1.43e3	84.1	NO
4	4	13C8-PFOA	ST180722M1-7 PFC CS4 18G1916	7.37e3	90.1	NO
5	5	13C9-PFNA	ST180722M1-7 PFC CS4 18G1916	7.58e3	91.6	NO
6	6	13C4-PFOS	ST180722M1-7 PFC CS4 18G1916	1.59e3	86.4	NO
7	7	13C6-PFDA	ST180722M1-7 PFC CS4 18G1916	8.50e3	88.4	NO
8	8	13C7-PFUDa	ST180722M1-7 PFC CS4 18G1916	1.22e4	88.9	NO

Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-8 PFC CS5 18G1917	5.02e3	94.6	NO
2	2	13C5-PFHxA	ST180722M1-8 PFC CS5 18G1917	6.06e3	85.9	NO
3	3	13C3-PFHxS	ST180722M1-8 PFC CS5 18G1917	1.43e3	84.1	NO
4	4	13C8-PFOA	ST180722M1-8 PFC CS5 18G1917	7.61e3	93.0	NO
5	5	13C9-PFNA	ST180722M1-8 PFC CS5 18G1917	7.40e3	89.5	NO
6	6	13C4-PFOS	ST180722M1-8 PFC CS5 18G1917	1.72e3	93.2	NO
7	7	13C6-PFDA	ST180722M1-8 PFC CS5 18G1917	8.55e3	89.0	NO
8	8	13C7-PFUDa	ST180722M1-8 PFC CS5 18G1917	1.15e4	83.8	NO

Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-9 PFC CS6 18G1918	4.79e3	90.2	NO
2	2	13C5-PFHxA	ST180722M1-9 PFC CS6 18G1918	5.57e3	79.0	NO
3	3	13C3-PFHxS	ST180722M1-9 PFC CS6 18G1918	1.34e3	78.7	NO
4	4	13C8-PFOA	ST180722M1-9 PFC CS6 18G1918	6.83e3	83.4	NO
5	5	13C9-PFNA	ST180722M1-9 PFC CS6 18G1918	7.52e3	90.9	NO
6	6	13C4-PFOS	ST180722M1-9 PFC CS6 18G1918	1.67e3	90.6	NO
7	7	13C6-PFDA	ST180722M1-9 PFC CS6 18G1918	7.97e3	82.9	NO
8	8	13C7-PFUDa	ST180722M1-9 PFC CS6 18G1918	1.04e4	76.2	NO

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\IIS.qld

Last Altered: Monday, July 23, 2018 14:45:13 Pacific Daylight Time

Printed: Monday, July 23, 2018 14:45:39 Pacific Daylight Time

Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-10 PFC CS7 18G1919	4.86e3	91.5	NO
2	2	13C5-PFHxA	ST180722M1-10 PFC CS7 18G1919	5.11e3	72.4	NO
3	3	13C3-PFHxS	ST180722M1-10 PFC CS7 18G1919	1.29e3	76.0	NO
4	4	13C8-PFOA	ST180722M1-10 PFC CS7 18G1919	6.38e3	77.9	NO
5	5	13C9-PFNA	ST180722M1-10 PFC CS7 18G1919	6.50e3	78.5	NO
6	6	13C4-PFOS	ST180722M1-10 PFC CS7 18G1919	1.45e3	78.8	NO
7	7	13C6-PFDA	ST180722M1-10 PFC CS7 18G1919	7.48e3	77.8	NO
8	8	13C7-PFUDa	ST180722M1-10 PFC CS7 18G1919	9.61e3	70.2	NO

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV180722M1-1 PFC 537 ICV 18G1920	5.05e3	95.1	NO
2	2	13C5-PFHxA	ICV180722M1-1 PFC 537 ICV 18G1920	6.23e3	88.4	NO
3	3	13C3-PFHxS	ICV180722M1-1 PFC 537 ICV 18G1920	1.57e3	92.3	NO
4	4	13C8-PFOA	ICV180722M1-1 PFC 537 ICV 18G1920	7.54e3	92.2	NO
5	5	13C9-PFNA	ICV180722M1-1 PFC 537 ICV 18G1920	7.07e3	85.5	NO
6	6	13C4-PFOS	ICV180722M1-1 PFC 537 ICV 18G1920	1.76e3	95.4	NO
7	7	13C6-PFDA	ICV180722M1-1 PFC 537 ICV 18G1920	8.69e3	90.4	NO
8	8	13C7-PFUDa	ICV180722M1-1 PFC 537 ICV 18G1920	1.24e4	90.4	NO

Name: 180722M1_14, Date: 22-Jul-2018, Time: 18:37:21, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180722M1_15, Date: 22-Jul-2018, Time: 18:47:52, ID: 1801549-03 MCLPCD155 1.06, Description: MCLPCD155

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-03 MCLPCD155 1.06	4.60e3	86.6	NO
2	2 13C5-PFHxA	1801549-03 MCLPCD155 1.06	5.43e3	77.0	NO
3	3 13C3-PFHxS	1801549-03 MCLPCD155 1.06	1.46e3	85.7	NO
4	4 13C8-PFOA	1801549-03 MCLPCD155 1.06	6.94e3	84.8	NO
5	5 13C9-PFNA	1801549-03 MCLPCD155 1.06	7.64e3	92.3	NO
6	6 13C4-PFOS	1801549-03 MCLPCD155 1.06	1.61e3	87.7	NO
7	7 13C6-PFDA	1801549-03 MCLPCD155 1.06	8.46e3	88.0	NO
8	8 13C7-PFUDa	1801549-03 MCLPCD155 1.06	1.20e4	87.7	NO

Name: 180722M1_16, Date: 22-Jul-2018, Time: 18:58:16, ID: 1801549-04 MCLPCD156 1.03, Description: MCLPCD156

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-04 MCLPCD156 1.03	4.93e3	92.8	NO
2	2 13C5-PFHxA	1801549-04 MCLPCD156 1.03	5.73e3	81.3	NO
3	3 13C3-PFHxS	1801549-04 MCLPCD156 1.03	1.33e3	78.4	NO
4	4 13C8-PFOA	1801549-04 MCLPCD156 1.03	7.00e3	85.5	NO
5	5 13C9-PFNA	1801549-04 MCLPCD156 1.03	7.54e3	91.2	NO
6	6 13C4-PFOS	1801549-04 MCLPCD156 1.03	1.65e3	89.9	NO
7	7 13C6-PFDA	1801549-04 MCLPCD156 1.03	7.92e3	82.5	NO
8	8 13C7-PFUDa	1801549-04 MCLPCD156 1.03	1.17e4	85.3	NO

Name: 180722M1_17, Date: 22-Jul-2018, Time: 19:08:47, ID: 1801549-05 MCLPCD158 1.1, Description: MCLPCD158

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-05 MCLPCD158 1.1	4.55e3	85.7	NO
2	2 13C5-PFHxA	1801549-05 MCLPCD158 1.1	5.37e3	76.2	NO
3	3 13C3-PFHxS	1801549-05 MCLPCD158 1.1	1.23e3	72.2	NO
4	4 13C8-PFOA	1801549-05 MCLPCD158 1.1	6.53e3	79.7	NO
5	5 13C9-PFNA	1801549-05 MCLPCD158 1.1	6.67e3	80.6	NO
6	6 13C4-PFOS	1801549-05 MCLPCD158 1.1	1.47e3	79.8	NO
7	7 13C6-PFDA	1801549-05 MCLPCD158 1.1	7.39e3	76.9	NO
8	8 13C7-PFUDa	1801549-05 MCLPCD158 1.1	1.08e4	78.8	NO

Name: 180722M1_18, Date: 22-Jul-2018, Time: 19:19:17, ID: 1801549-06 MCLPCD379 1.08, Description: MCLPCD379

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-06 MCLPCD379 1.08	4.69e3	88.3	NO
2	2 13C5-PFHxA	1801549-06 MCLPCD379 1.08	5.56e3	78.9	NO
3	3 13C3-PFHxS	1801549-06 MCLPCD379 1.08	1.43e3	84.0	NO
4	4 13C8-PFOA	1801549-06 MCLPCD379 1.08	6.58e3	80.4	NO
5	5 13C9-PFNA	1801549-06 MCLPCD379 1.08	7.32e3	88.5	NO
6	6 13C4-PFOS	1801549-06 MCLPCD379 1.08	1.66e3	90.1	NO
7	7 13C6-PFDA	1801549-06 MCLPCD379 1.08	8.01e3	83.3	NO
8	8 13C7-PFUDa	1801549-06 MCLPCD379 1.08	1.14e4	83.6	NO

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Name: 180722M1_19, Date: 22-Jul-2018, Time: 19:29:42, ID: 1801549-07 MCLPCD159 1.02, Description: MCLPCD159

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-07 MCLPCD159 1.02	5.04e3	94.9	NO
2	2	13C5-PFHxA	1801549-07 MCLPCD159 1.02	5.59e3	79.3	NO
3	3	13C3-PFHxS	1801549-07 MCLPCD159 1.02	1.54e3	90.4	NO
4	4	13C8-PFOA	1801549-07 MCLPCD159 1.02	6.72e3	82.2	NO
5	5	13C9-PFNA	1801549-07 MCLPCD159 1.02	7.25e3	87.6	NO
6	6	13C4-PFOS	1801549-07 MCLPCD159 1.02	1.71e3	92.7	NO
7	7	13C6-PFDA	1801549-07 MCLPCD159 1.02	7.99e3	83.2	NO
8	8	13C7-PFUDa	1801549-07 MCLPCD159 1.02	1.17e4	85.4	NO

Name: 180722M1_20, Date: 22-Jul-2018, Time: 19:40:12, ID: 1801549-08 MCLPCD170 1.1, Description: MCLPCD170

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-08 MCLPCD170 1.1	4.50e3	84.7	NO
2	2	13C5-PFHxA	1801549-08 MCLPCD170 1.1	4.92e3	69.8	NO
3	3	13C3-PFHxS	1801549-08 MCLPCD170 1.1	1.31e3	76.8	NO
4	4	13C8-PFOA	1801549-08 MCLPCD170 1.1	6.25e3	76.4	NO
5	5	13C9-PFNA	1801549-08 MCLPCD170 1.1	6.30e3	76.1	NO
6	6	13C4-PFOS	1801549-08 MCLPCD170 1.1	1.57e3	85.5	NO
7	7	13C6-PFDA	1801549-08 MCLPCD170 1.1	7.64e3	79.5	NO
8	8	13C7-PFUDa	1801549-08 MCLPCD170 1.1	1.08e4	79.2	NO

Name: 180722M1_21, Date: 22-Jul-2018, Time: 19:50:37, ID: 1801549-09 MCLPCD171 1.02, Description: MCLPCD171

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-09 MCLPCD171 1.02	5.11e3	96.2	NO
2	2	13C5-PFHxA	1801549-09 MCLPCD171 1.02	5.92e3	84.0	NO
3	3	13C3-PFHxS	1801549-09 MCLPCD171 1.02	1.50e3	88.1	NO
4	4	13C8-PFOA	1801549-09 MCLPCD171 1.02	6.77e3	82.7	NO
5	5	13C9-PFNA	1801549-09 MCLPCD171 1.02	7.10e3	85.8	NO
6	6	13C4-PFOS	1801549-09 MCLPCD171 1.02	1.71e3	93.1	NO
7	7	13C6-PFDA	1801549-09 MCLPCD171 1.02	7.63e3	79.4	NO
8	8	13C7-PFUDa	1801549-09 MCLPCD171 1.02	1.17e4	85.6	NO

Name: 180722M1_22, Date: 22-Jul-2018, Time: 20:01:07, ID: 1801549-10 MCLPCD176 1.06, Description: MCLPCD176

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-10 MCLPCD176 1.06	5.21e3	98.1	NO
2	2	13C5-PFHxA	1801549-10 MCLPCD176 1.06	5.96e3	84.5	NO
3	3	13C3-PFHxS	1801549-10 MCLPCD176 1.06	1.59e3	93.7	NO
4	4	13C8-PFOA	1801549-10 MCLPCD176 1.06	7.29e3	89.1	NO
5	5	13C9-PFNA	1801549-10 MCLPCD176 1.06	7.41e3	89.5	NO
6	6	13C4-PFOS	1801549-10 MCLPCD176 1.06	1.83e3	99.4	NO
7	7	13C6-PFDA	1801549-10 MCLPCD176 1.06	8.52e3	88.7	NO
8	8	13C7-PFUDa	1801549-10 MCLPCD176 1.06	1.21e4	88.7	NO

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Name: 180722M1_23, Date: 22-Jul-2018, Time: 20:11:29, ID: 1801549-11 MCLPCD177 1.06, Description: MCLPCD177

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-11 MCLPCD177 1.06	4.73e3	89.1	NO
2	2 13C5-PFHxA	1801549-11 MCLPCD177 1.06	5.43e3	77.0	NO
3	3 13C3-PFHxS	1801549-11 MCLPCD177 1.06	1.28e3	75.2	NO
4	4 13C8-PFOA	1801549-11 MCLPCD177 1.06	6.49e3	79.3	NO
5	5 13C9-PFNA	1801549-11 MCLPCD177 1.06	6.90e3	83.4	NO
6	6 13C4-PFOS	1801549-11 MCLPCD177 1.06	1.58e3	85.8	NO
7	7 13C6-PFDA	1801549-11 MCLPCD177 1.06	7.99e3	83.1	NO
8	8 13C7-PFUDa	1801549-11 MCLPCD177 1.06	1.12e4	81.8	NO

Name: 180722M1_24, Date: 22-Jul-2018, Time: 20:21:59, ID: 1801549-12 MCLPCD179 1.1, Description: MCLPCD179

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-12 MCLPCD179 1.1	4.91e3	92.5	NO
2	2 13C5-PFHxA	1801549-12 MCLPCD179 1.1	5.61e3	79.6	NO
3	3 13C3-PFHxS	1801549-12 MCLPCD179 1.1	1.36e3	79.9	NO
4	4 13C8-PFOA	1801549-12 MCLPCD179 1.1	6.62e3	80.9	NO
5	5 13C9-PFNA	1801549-12 MCLPCD179 1.1	7.32e3	88.5	NO
6	6 13C4-PFOS	1801549-12 MCLPCD179 1.1	1.77e3	96.0	NO
7	7 13C6-PFDA	1801549-12 MCLPCD179 1.1	8.00e3	83.2	NO
8	8 13C7-PFUDa	1801549-12 MCLPCD179 1.1	1.15e4	83.9	NO

Name: 180722M1_25, Date: 22-Jul-2018, Time: 20:32:24, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180722M1-11 PFC CS3 18G1915	5.56e3	104.7	NO
2	2 13C5-PFHxA	ST180722M1-11 PFC CS3 18G1915	7.88e3	111.8	NO
3	3 13C3-PFHxS	ST180722M1-11 PFC CS3 18G1915	1.82e3	106.8	NO
4	4 13C8-PFOA	ST180722M1-11 PFC CS3 18G1915	8.69e3	106.2	NO
5	5 13C9-PFNA	ST180722M1-11 PFC CS3 18G1915	9.60e3	116.0	NO
6	6 13C4-PFOS	ST180722M1-11 PFC CS3 18G1915	2.04e3	111.1	NO
7	7 13C6-PFDA	ST180722M1-11 PFC CS3 18G1915	1.08e4	112.0	NO
8	8 13C7-PFUDa	ST180722M1-11 PFC CS3 18G1915	1.42e4	103.4	NO

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Name: 180722M1_27, Date: 22-Jul-2018, Time: 20:53:25, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_28, Date: 22-Jul-2018, Time: 21:03:49, ID: 1801549-13 MCLPCD180 1.04, Description: MCLPCD180

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-13 MCLPCD180 1.04	4.89e3	92.2	NO
2	2	13C5-PFHxA	1801549-13 MCLPCD180 1.04	6.06e3	86.0	NO
3	3	13C3-PFHxS	1801549-13 MCLPCD180 1.04	1.43e3	84.3	NO
4	4	13C8-PFOA	1801549-13 MCLPCD180 1.04	7.07e3	86.5	NO
5	5	13C9-PFNA	1801549-13 MCLPCD180 1.04	7.13e3	86.2	NO
6	6	13C4-PFOS	1801549-13 MCLPCD180 1.04	1.63e3	88.6	NO
7	7	13C6-PFDA	1801549-13 MCLPCD180 1.04	8.43e3	87.7	NO
8	8	13C7-PFUDa	1801549-13 MCLPCD180 1.04	1.20e4	87.8	NO

Name: 180722M1_29, Date: 22-Jul-2018, Time: 21:14:19, ID: 1801549-14 MCLPCD173 1.07, Description: MCLPCD173

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-14 MCLPCD173 1.07	4.82e3	90.8	NO
2	2	13C5-PFHxA	1801549-14 MCLPCD173 1.07	5.64e3	80.0	NO
3	3	13C3-PFHxS	1801549-14 MCLPCD173 1.07	1.31e3	76.9	NO
4	4	13C8-PFOA	1801549-14 MCLPCD173 1.07	6.87e3	84.0	NO
5	5	13C9-PFNA	1801549-14 MCLPCD173 1.07	6.95e3	84.0	NO
6	6	13C4-PFOS	1801549-14 MCLPCD173 1.07	1.58e3	86.0	NO
7	7	13C6-PFDA	1801549-14 MCLPCD173 1.07	7.71e3	80.3	NO
8	8	13C7-PFUDa	1801549-14 MCLPCD173 1.07	1.15e4	83.7	NO

Name: 180722M1_30, Date: 22-Jul-2018, Time: 21:24:44, ID: 1801549-15 MCLPCD174 1.12, Description: MCLPCD174

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801549-15 MCLPCD174 1.12	4.55e3	85.7	NO
2	2	13C5-PFHxA	1801549-15 MCLPCD174 1.12	5.48e3	77.7	NO
3	3	13C3-PFHxS	1801549-15 MCLPCD174 1.12	1.40e3	82.6	NO
4	4	13C8-PFOA	1801549-15 MCLPCD174 1.12	6.23e3	76.1	NO
5	5	13C9-PFNA	1801549-15 MCLPCD174 1.12	6.61e3	79.8	NO
6	6	13C4-PFOS	1801549-15 MCLPCD174 1.12	1.53e3	82.9	NO
7	7	13C6-PFDA	1801549-15 MCLPCD174 1.12	7.80e3	81.2	NO
8	8	13C7-PFUDa	1801549-15 MCLPCD174 1.12	1.11e4	81.2	NO

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Name: 180722M1_31, Date: 22-Jul-2018, Time: 21:35:15, ID: 1801549-16 MCLPCD380 1.02, Description: MCLPCD380

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801549-16 MCLPCD380 1.02	4.79e3	90.3	NO
2	2 13C5-PFHxA	1801549-16 MCLPCD380 1.02	5.30e3	75.1	NO
3	3 13C3-PFHxS	1801549-16 MCLPCD380 1.02	1.35e3	79.7	NO
4	4 13C8-PFOA	1801549-16 MCLPCD380 1.02	6.07e3	74.2	NO
5	5 13C9-PFNA	1801549-16 MCLPCD380 1.02	6.63e3	80.2	NO
6	6 13C4-PFOS	1801549-16 MCLPCD380 1.02	1.59e3	86.1	NO
7	7 13C6-PFDA	1801549-16 MCLPCD380 1.02	7.72e3	80.4	NO
8	8 13C7-PFUDa	1801549-16 MCLPCD380 1.02	1.13e4	82.9	NO

Name: 180722M1_32, Date: 22-Jul-2018, Time: 21:45:45, ID: B8G0119-BS1 OPR 0.25, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0119-BS1 OPR 0.25	4.08e3	76.8	NO
2	2 13C5-PFHxA	B8G0119-BS1 OPR 0.25	5.02e3	71.2	NO
3	3 13C3-PFHxS	B8G0119-BS1 OPR 0.25	1.36e3	80.2	NO
4	4 13C8-PFOA	B8G0119-BS1 OPR 0.25	6.39e3	78.1	NO
5	5 13C9-PFNA	B8G0119-BS1 OPR 0.25	6.63e3	80.2	NO
6	6 13C4-PFOS	B8G0119-BS1 OPR 0.25	1.68e3	91.0	NO
7	7 13C6-PFDA	B8G0119-BS1 OPR 0.25	8.33e3	86.7	NO
8	8 13C7-PFUDa	B8G0119-BS1 OPR 0.25	1.18e4	86.3	NO

Name: 180722M1_33, Date: 22-Jul-2018, Time: 21:56:10, ID: B8G0119-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0119-BLK1 Method Blank 0.25	3.34e3	63.0	NO
2	2 13C5-PFHxA	B8G0119-BLK1 Method Blank 0.25	4.17e3	59.1	NO
3	3 13C3-PFHxS	B8G0119-BLK1 Method Blank 0.25	1.30e3	76.5	NO
4	4 13C8-PFOA	B8G0119-BLK1 Method Blank 0.25	4.80e3	58.6	NO
5	5 13C9-PFNA	B8G0119-BLK1 Method Blank 0.25	5.14e3	62.2	NO
6	6 13C4-PFOS	B8G0119-BLK1 Method Blank 0.25	1.42e3	77.2	NO
7	7 13C6-PFDA	B8G0119-BLK1 Method Blank 0.25	6.59e3	68.6	NO
8	8 13C7-PFUDa	B8G0119-BLK1 Method Blank 0.25	9.00e3	65.8	NO

Name: 180722M1_34, Date: 22-Jul-2018, Time: 22:06:40, ID: B8G0119-MS1 Matrix Spike 0.12023, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0119-MS1 Matrix Spike 0.12023	3.20e3	60.2	NO
2	2 13C5-PFHxA	B8G0119-MS1 Matrix Spike 0.12023	4.27e3	60.5	NO
3	3 13C3-PFHxS	B8G0119-MS1 Matrix Spike 0.12023	1.33e3	78.0	NO
4	4 13C8-PFOA	B8G0119-MS1 Matrix Spike 0.12023	4.49e3	54.9	NO
5	5 13C9-PFNA	B8G0119-MS1 Matrix Spike 0.12023	5.05e3	61.0	NO
6	6 13C4-PFOS	B8G0119-MS1 Matrix Spike 0.12023	1.57e3	85.1	NO
7	7 13C6-PFDA	B8G0119-MS1 Matrix Spike 0.12023	6.46e3	67.2	NO
8	8 13C7-PFUDa	B8G0119-MS1 Matrix Spike 0.12023	9.65e3	70.5	NO

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Name: 180722M1_35, Date: 22-Jul-2018, Time: 22:17:05, ID: B8G0119-MSD1 Matrix Spike Dup 0.12103, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0119-MSD1 Matrix Spike Dup 0.121...	2.66e3	50.1	NO
2	2	13C5-PFHxA	B8G0119-MSD1 Matrix Spike Dup 0.121...	3.54e3	50.1	NO
3	3	13C3-PFHxS	B8G0119-MSD1 Matrix Spike Dup 0.121...	1.29e3	75.6	NO
4	4	13C8-PFOA	B8G0119-MSD1 Matrix Spike Dup 0.121...	4.40e3	53.8	NO
5	5	13C9-PFNA	B8G0119-MSD1 Matrix Spike Dup 0.121...	4.60e3	55.6	NO
6	6	13C4-PFOS	B8G0119-MSD1 Matrix Spike Dup 0.121...	1.39e3	75.7	NO
7	7	13C6-PFDA	B8G0119-MSD1 Matrix Spike Dup 0.121...	5.62e3	58.4	NO
8	8	13C7-PFUDa	B8G0119-MSD1 Matrix Spike Dup 0.121...	8.68e3	63.4	NO

Name: 180722M1_36, Date: 22-Jul-2018, Time: 22:27:35, ID: 1801547-01RE1 REEPDW1192 0.1186, Description: REEPDW1192

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801547-01RE1 REEPDW1192 0.1186	2.62e3	49.4	YES
2	2	13C5-PFHxA	1801547-01RE1 REEPDW1192 0.1186	3.69e3	52.3	NO
3	3	13C3-PFHxS	1801547-01RE1 REEPDW1192 0.1186	1.27e3	74.8	NO
4	4	13C8-PFOA	1801547-01RE1 REEPDW1192 0.1186	4.13e3	50.4	NO
5	5	13C9-PFNA	1801547-01RE1 REEPDW1192 0.1186	4.35e3	52.6	NO
6	6	13C4-PFOS	1801547-01RE1 REEPDW1192 0.1186	1.47e3	79.8	NO
7	7	13C6-PFDA	1801547-01RE1 REEPDW1192 0.1186	5.66e3	58.8	NO
8	8	13C7-PFUDa	1801547-01RE1 REEPDW1192 0.1186	8.45e3	61.8	NO

Name: 180722M1_37, Date: 22-Jul-2018, Time: 22:38:01, ID: 1801547-02RE1 REEPDW1193 0.11988, Description: REEPDW1193

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801547-02RE1 REEPDW1193 0.11988	2.55e3	48.0	YES
2	2	13C5-PFHxA	1801547-02RE1 REEPDW1193 0.11988	2.96e3	42.0	YES
3	3	13C3-PFHxS	1801547-02RE1 REEPDW1193 0.11988	1.26e3	74.1	NO
4	4	13C8-PFOA	1801547-02RE1 REEPDW1193 0.11988	3.53e3	43.1	YES
5	5	13C9-PFNA	1801547-02RE1 REEPDW1193 0.11988	4.06e3	49.1	YES
6	6	13C4-PFOS	1801547-02RE1 REEPDW1193 0.11988	1.41e3	76.4	NO
7	7	13C6-PFDA	1801547-02RE1 REEPDW1193 0.11988	5.09e3	53.0	NO
8	8	13C7-PFUDa	1801547-02RE1 REEPDW1193 0.11988	8.02e3	58.6	NO

Name: 180722M1_38, Date: 22-Jul-2018, Time: 22:48:32, ID: 1801548-01RE1 REEPDW1192FRB 0.12246, Description: REEPDW1192FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801548-01RE1 REEPDW1192FRB 0....	3.29e3	61.9	NO
2	2	13C5-PFHxA	1801548-01RE1 REEPDW1192FRB 0....	3.99e3	56.5	NO
3	3	13C3-PFHxS	1801548-01RE1 REEPDW1192FRB 0....	1.30e3	76.7	NO
4	4	13C8-PFOA	1801548-01RE1 REEPDW1192FRB 0....	5.35e3	65.3	NO
5	5	13C9-PFNA	1801548-01RE1 REEPDW1192FRB 0....	5.82e3	70.3	NO
6	6	13C4-PFOS	1801548-01RE1 REEPDW1192FRB 0....	1.47e3	80.1	NO
7	7	13C6-PFDA	1801548-01RE1 REEPDW1192FRB 0....	6.42e3	66.8	NO
8	8	13C7-PFUDa	1801548-01RE1 REEPDW1192FRB 0....	1.00e4	73.3	NO

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Name: 180722M1_39, Date: 22-Jul-2018, Time: 22:59:02, ID: 1801548-02RE1 REEPDW1193FRB 0.11945, Description: REEPDW1193FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801548-02RE1 REEPDW1193FRB 0....	3.32e3	62.5	NO
2	2	13C5-PFHxA	1801548-02RE1 REEPDW1193FRB 0....	3.99e3	56.6	NO
3	3	13C3-PFHxS	1801548-02RE1 REEPDW1193FRB 0....	1.21e3	71.4	NO
4	4	13C8-PFOA	1801548-02RE1 REEPDW1193FRB 0....	4.84e3	59.2	NO
5	5	13C9-PFNA	1801548-02RE1 REEPDW1193FRB 0....	5.18e3	62.6	NO
6	6	13C4-PFOS	1801548-02RE1 REEPDW1193FRB 0....	1.41e3	76.4	NO
7	7	13C6-PFDA	1801548-02RE1 REEPDW1193FRB 0....	6.49e3	67.6	NO
8	8	13C7-PFUDa	1801548-02RE1 REEPDW1193FRB 0....	8.76e3	64.0	NO

Name: 180722M1_40, Date: 22-Jul-2018, Time: 23:09:27, ID: 1801599-01RE1 REEPDW1199 0.1219, Description: REEPDW1199

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801599-01RE1 REEPDW1199 0.1219	2.84e3	53.4	NO
2	2	13C5-PFHxA	1801599-01RE1 REEPDW1199 0.1219	3.60e3	51.1	NO
3	3	13C3-PFHxS	1801599-01RE1 REEPDW1199 0.1219	1.14e3	67.3	NO
4	4	13C8-PFOA	1801599-01RE1 REEPDW1199 0.1219	4.34e3	53.0	NO
5	5	13C9-PFNA	1801599-01RE1 REEPDW1199 0.1219	4.76e3	57.5	NO
6	6	13C4-PFOS	1801599-01RE1 REEPDW1199 0.1219	1.37e3	74.4	NO
7	7	13C6-PFDA	1801599-01RE1 REEPDW1199 0.1219	5.60e3	58.3	NO
8	8	13C7-PFUDa	1801599-01RE1 REEPDW1199 0.1219	8.99e3	65.7	NO

Name: 180722M1_41, Date: 22-Jul-2018, Time: 23:19:57, ID: 1801600-01RE1 REEPDW1199FRB 0.12224, Description: REEPDW1199FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801600-01RE1 REEPDW1199FRB 0....	3.42e3	64.4	NO
2	2	13C5-PFHxA	1801600-01RE1 REEPDW1199FRB 0....	4.13e3	58.6	NO
3	3	13C3-PFHxS	1801600-01RE1 REEPDW1199FRB 0....	1.18e3	69.4	NO
4	4	13C8-PFOA	1801600-01RE1 REEPDW1199FRB 0....	4.74e3	57.9	NO
5	5	13C9-PFNA	1801600-01RE1 REEPDW1199FRB 0....	5.22e3	63.1	NO
6	6	13C4-PFOS	1801600-01RE1 REEPDW1199FRB 0....	1.37e3	74.2	NO
7	7	13C6-PFDA	1801600-01RE1 REEPDW1199FRB 0....	5.79e3	60.3	NO
8	8	13C7-PFUDa	1801600-01RE1 REEPDW1199FRB 0....	8.82e3	64.4	NO

Name: 180722M1_42, Date: 22-Jul-2018, Time: 23:30:22, ID: 1801623-01RE1 SP-NorthINF-20180706 0.2591, Description: SP-NorthINF-20180706

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801623-01RE1 SP-NorthINF-2018070...	2.72e3	51.2	NO
2	2	13C5-PFHxA	1801623-01RE1 SP-NorthINF-2018070...	3.59e3	51.0	NO
3	3	13C3-PFHxS	1801623-01RE1 SP-NorthINF-2018070...	1.19e3	70.1	NO
4	4	13C8-PFOA	1801623-01RE1 SP-NorthINF-2018070...	4.38e3	53.5	NO
5	5	13C9-PFNA	1801623-01RE1 SP-NorthINF-2018070...	4.68e3	56.6	NO
6	6	13C4-PFOS	1801623-01RE1 SP-NorthINF-2018070...	1.49e3	80.9	NO
7	7	13C6-PFDA	1801623-01RE1 SP-NorthINF-2018070...	6.28e3	65.4	NO
8	8	13C7-PFUDa	1801623-01RE1 SP-NorthINF-2018070...	9.16e3	66.9	NO

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Name: 180722M1_43, Date: 22-Jul-2018, Time: 23:40:52, ID: 1801623-02RE1 SP-NorthEFF-20180706 0.25671, Description: SP-NorthEFF-20180706

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801623-02RE1 SP-NorthEFF-2018070...	2.84e3	53.5	NO
2	2	13C5-PFHxA	1801623-02RE1 SP-NorthEFF-2018070...	3.53e3	50.0	NO
3	3	13C3-PFHxS	1801623-02RE1 SP-NorthEFF-2018070...	1.13e3	66.4	NO
4	4	13C8-PFOA	1801623-02RE1 SP-NorthEFF-2018070...	3.98e3	48.7	YES
5	5	13C9-PFNA	1801623-02RE1 SP-NorthEFF-2018070...	4.65e3	56.2	NO
6	6	13C4-PFOS	1801623-02RE1 SP-NorthEFF-2018070...	1.44e3	78.4	NO
7	7	13C6-PFDA	1801623-02RE1 SP-NorthEFF-2018070...	5.34e3	55.6	NO
8	8	13C7-PFUDa	1801623-02RE1 SP-NorthEFF-2018070...	8.02e3	58.6	NO

Name: 180722M1_44, Date: 22-Jul-2018, Time: 23:51:22, ID: 1801623-03RE1 SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801623-03RE1 SP-SouthINF-2018070...	3.38e3	63.6	NO
2	2	13C5-PFHxA	1801623-03RE1 SP-SouthINF-2018070...	3.79e3	53.7	NO
3	3	13C3-PFHxS	1801623-03RE1 SP-SouthINF-2018070...	1.03e3	60.5	NO
4	4	13C8-PFOA	1801623-03RE1 SP-SouthINF-2018070...	4.18e3	51.1	NO
5	5	13C9-PFNA	1801623-03RE1 SP-SouthINF-2018070...	5.52e3	66.7	NO
6	6	13C4-PFOS	1801623-03RE1 SP-SouthINF-2018070...	1.40e3	76.1	NO
7	7	13C6-PFDA	1801623-03RE1 SP-SouthINF-2018070...	7.20e3	74.9	NO
8	8	13C7-PFUDa	1801623-03RE1 SP-SouthINF-2018070...	1.04e4	75.7	NO

Name: 180722M1_45, Date: 23-Jul-2018, Time: 00:01:47, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-12 PFC CS3 18G1915	5.88e3	110.7	NO
2	2	13C5-PFHxA	ST180722M1-12 PFC CS3 18G1915	7.93e3	112.5	NO
3	3	13C3-PFHxS	ST180722M1-12 PFC CS3 18G1915	1.77e3	104.1	NO
4	4	13C8-PFOA	ST180722M1-12 PFC CS3 18G1915	8.87e3	108.3	NO
5	5	13C9-PFNA	ST180722M1-12 PFC CS3 18G1915	9.12e3	110.2	NO
6	6	13C4-PFOS	ST180722M1-12 PFC CS3 18G1915	2.08e3	113.1	NO
7	7	13C6-PFDA	ST180722M1-12 PFC CS3 18G1915	9.51e3	98.9	NO
8	8	13C7-PFUDa	ST180722M1-12 PFC CS3 18G1915	1.42e4	103.6	NO

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Name: 180722M1_47, Date: 23-Jul-2018, Time: 00:22:42, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_48, Date: 23-Jul-2018, Time: 00:33:12, ID: 1801623-04RE1 SP-SouthEFF-20180706 0.26181, Description: SP-SouthEFF-20180706

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801623-04RE1 SP-SouthEFF-201807...	2.60e3	48.9	YES
2	2	13C5-PFHxA	1801623-04RE1 SP-SouthEFF-201807...	3.40e3	48.2	YES
3	3	13C3-PFHxS	1801623-04RE1 SP-SouthEFF-201807...	1.29e3	76.1	NO
4	4	13C8-PFOA	1801623-04RE1 SP-SouthEFF-201807...	3.78e3	46.2	YES
5	5	13C9-PFNA	1801623-04RE1 SP-SouthEFF-201807...	4.36e3	52.7	NO
6	6	13C4-PFOS	1801623-04RE1 SP-SouthEFF-201807...	1.57e3	85.2	NO
7	7	13C6-PFDA	1801623-04RE1 SP-SouthEFF-201807...	5.37e3	55.9	NO
8	8	13C7-PFUDa	1801623-04RE1 SP-SouthEFF-201807...	8.17e3	59.7	NO

Name: 180722M1_49, Date: 23-Jul-2018, Time: 00:43:37, ID: 1801679-01 REEPDW1203 0.11975, Description: REEPDW1203

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-01 REEPDW1203 0.11975	3.00e3	56.6	NO
2	2	13C5-PFHxA	1801679-01 REEPDW1203 0.11975	3.97e3	56.3	NO
3	3	13C3-PFHxS	1801679-01 REEPDW1203 0.11975	1.27e3	74.9	NO
4	4	13C8-PFOA	1801679-01 REEPDW1203 0.11975	5.05e3	61.7	NO
5	5	13C9-PFNA	1801679-01 REEPDW1203 0.11975	5.13e3	62.0	NO
6	6	13C4-PFOS	1801679-01 REEPDW1203 0.11975	1.56e3	84.5	NO
7	7	13C6-PFDA	1801679-01 REEPDW1203 0.11975	6.04e3	62.9	NO
8	8	13C7-PFUDa	1801679-01 REEPDW1203 0.11975	9.25e3	67.6	NO

Name: 180722M1_50, Date: 23-Jul-2018, Time: 00:54:07, ID: 1801679-02 REEPDW1204 0.12197, Description: REEPDW1204

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-02 REEPDW1204 0.12197	2.35e3	44.3	YES
2	2	13C5-PFHxA	1801679-02 REEPDW1204 0.12197	3.25e3	46.1	YES
3	3	13C3-PFHxS	1801679-02 REEPDW1204 0.12197	1.18e3	69.5	NO
4	4	13C8-PFOA	1801679-02 REEPDW1204 0.12197	3.94e3	48.1	YES
5	5	13C9-PFNA	1801679-02 REEPDW1204 0.12197	4.34e3	52.4	NO
6	6	13C4-PFOS	1801679-02 REEPDW1204 0.12197	1.45e3	78.8	NO
7	7	13C6-PFDA	1801679-02 REEPDW1204 0.12197	5.09e3	52.9	NO
8	8	13C7-PFUDa	1801679-02 REEPDW1204 0.12197	8.73e3	63.8	NO

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Name: 180722M1_51, Date: 23-Jul-2018, Time: 01:04:32, ID: 1801679-03 REEPDW1200 0.12392, Description: REEPDW1200

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-03 REEPDW1200 0.12392	3.24e3	61.0	NO
2	2	13C5-PFHxA	1801679-03 REEPDW1200 0.12392	3.89e3	55.1	NO
3	3	13C3-PFHxS	1801679-03 REEPDW1200 0.12392	1.23e3	72.3	NO
4	4	13C8-PFOA	1801679-03 REEPDW1200 0.12392	4.82e3	58.9	NO
5	5	13C9-PFNA	1801679-03 REEPDW1200 0.12392	4.84e3	58.5	NO
6	6	13C4-PFOS	1801679-03 REEPDW1200 0.12392	1.39e3	75.6	NO
7	7	13C6-PFDA	1801679-03 REEPDW1200 0.12392	6.22e3	64.8	NO
8	8	13C7-PFUDa	1801679-03 REEPDW1200 0.12392	9.55e3	69.8	NO

Name: 180722M1_52, Date: 23-Jul-2018, Time: 01:15:02, ID: 1801679-04 REEPDW569 0.12359, Description: REEPDW569

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-04 REEPDW569 0.12359	3.20e3	60.2	NO
2	2	13C5-PFHxA	1801679-04 REEPDW569 0.12359	3.99e3	56.6	NO
3	3	13C3-PFHxS	1801679-04 REEPDW569 0.12359	1.22e3	71.5	NO
4	4	13C8-PFOA	1801679-04 REEPDW569 0.12359	4.64e3	56.7	NO
5	5	13C9-PFNA	1801679-04 REEPDW569 0.12359	4.59e3	55.4	NO
6	6	13C4-PFOS	1801679-04 REEPDW569 0.12359	1.52e3	82.5	NO
7	7	13C6-PFDA	1801679-04 REEPDW569 0.12359	5.42e3	56.4	NO
8	8	13C7-PFUDa	1801679-04 REEPDW569 0.12359	8.69e3	63.5	NO

Name: 180722M1_53, Date: 23-Jul-2018, Time: 01:25:26, ID: 1801679-03 REEPDW1200 0.12392, Description: REEPDW1200

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-03 REEPDW1200 0.12392	3.58e3	67.5	NO
2	2	13C5-PFHxA	1801679-03 REEPDW1200 0.12392	4.45e3	63.1	NO
3	3	13C3-PFHxS	1801679-03 REEPDW1200 0.12392	1.22e3	72.1	NO
4	4	13C8-PFOA	1801679-03 REEPDW1200 0.12392	5.26e3	64.3	NO
5	5	13C9-PFNA	1801679-03 REEPDW1200 0.12392	5.51e3	66.6	NO
6	6	13C4-PFOS	1801679-03 REEPDW1200 0.12392	1.49e3	81.2	NO
7	7	13C6-PFDA	1801679-03 REEPDW1200 0.12392	6.68e3	69.5	NO
8	8	13C7-PFUDa	1801679-03 REEPDW1200 0.12392	9.53e3	69.6	NO

Name: 180722M1_54, Date: 23-Jul-2018, Time: 01:35:57, ID: 1801679-04 REEPDW569 0.12359, Description: REEPDW569

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801679-04 REEPDW569 0.12359	3.21e3	60.4	NO
2	2	13C5-PFHxA	1801679-04 REEPDW569 0.12359	4.10e3	58.1	NO
3	3	13C3-PFHxS	1801679-04 REEPDW569 0.12359	1.31e3	77.0	NO
4	4	13C8-PFOA	1801679-04 REEPDW569 0.12359	4.59e3	56.1	NO
5	5	13C9-PFNA	1801679-04 REEPDW569 0.12359	5.10e3	61.6	NO
6	6	13C4-PFOS	1801679-04 REEPDW569 0.12359	1.48e3	80.4	NO
7	7	13C6-PFDA	1801679-04 REEPDW569 0.12359	6.04e3	62.9	NO
8	8	13C7-PFUDa	1801679-04 REEPDW569 0.12359	9.26e3	67.7	NO

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Name: 180722M1_55, Date: 23-Jul-2018, Time: 01:46:22, ID: 1801506-06 MCLPCF243 1.19, Description: MCLPCF243

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-06 MCLPCF243 1.19	3.38e3	63.7	NO
2	2	13C5-PFHxA	1801506-06 MCLPCF243 1.19	3.97e3	56.2	NO
3	3	13C3-PFHxS	1801506-06 MCLPCF243 1.19	1.06e3	62.6	NO
4	4	13C8-PFOA	1801506-06 MCLPCF243 1.19	4.89e3	59.8	NO
5	5	13C9-PFNA	1801506-06 MCLPCF243 1.19	4.74e3	57.4	NO
6	6	13C4-PFOS	1801506-06 MCLPCF243 1.19	1.26e3	68.5	NO
7	7	13C6-PFDA	1801506-06 MCLPCF243 1.19	5.98e3	62.3	NO
8	8	13C7-PFUDa	1801506-06 MCLPCF243 1.19	8.60e3	62.8	NO

Name: 180722M1_56, Date: 23-Jul-2018, Time: 01:56:52, ID: 1801506-07 MCLPCF389 1.09, Description: MCLPCF389

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-07 MCLPCF389 1.09	3.60e3	67.9	NO
2	2	13C5-PFHxA	1801506-07 MCLPCF389 1.09	4.43e3	62.9	NO
3	3	13C3-PFHxS	1801506-07 MCLPCF389 1.09	1.10e3	64.6	NO
4	4	13C8-PFOA	1801506-07 MCLPCF389 1.09	5.28e3	64.5	NO
5	5	13C9-PFNA	1801506-07 MCLPCF389 1.09	5.46e3	66.0	NO
6	6	13C4-PFOS	1801506-07 MCLPCF389 1.09	1.26e3	68.4	NO
7	7	13C6-PFDA	1801506-07 MCLPCF389 1.09	6.13e3	63.8	NO
8	8	13C7-PFUDa	1801506-07 MCLPCF389 1.09	8.63e3	63.0	NO

Name: 180722M1_57, Date: 23-Jul-2018, Time: 02:07:17, ID: 1801506-08 MCLPCF224 1, Description: MCLPCF224

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-08 MCLPCF224 1	3.87e3	73.0	NO
2	2	13C5-PFHxA	1801506-08 MCLPCF224 1	4.31e3	61.1	NO
3	3	13C3-PFHxS	1801506-08 MCLPCF224 1	1.04e3	61.5	NO
4	4	13C8-PFOA	1801506-08 MCLPCF224 1	5.05e3	61.8	NO
5	5	13C9-PFNA	1801506-08 MCLPCF224 1	5.37e3	64.9	NO
6	6	13C4-PFOS	1801506-08 MCLPCF224 1	1.17e3	63.6	NO
7	7	13C6-PFDA	1801506-08 MCLPCF224 1	6.10e3	63.5	NO
8	8	13C7-PFUDa	1801506-08 MCLPCF224 1	8.30e3	60.7	NO

Name: 180722M1_58, Date: 23-Jul-2018, Time: 02:17:47, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-13 PFC CS3 18G1915	5.50e3	103.6	NO
2	2	13C5-PFHxA	ST180722M1-13 PFC CS3 18G1915	7.95e3	112.7	NO
3	3	13C3-PFHxS	ST180722M1-13 PFC CS3 18G1915	1.86e3	109.4	NO
4	4	13C8-PFOA	ST180722M1-13 PFC CS3 18G1915	8.95e3	109.4	NO
5	5	13C9-PFNA	ST180722M1-13 PFC CS3 18G1915	9.74e3	117.7	NO
6	6	13C4-PFOS	ST180722M1-13 PFC CS3 18G1915	2.22e3	120.8	NO
7	7	13C6-PFDA	ST180722M1-13 PFC CS3 18G1915	1.02e4	106.1	NO
8	8	13C7-PFUDa	ST180722M1-13 PFC CS3 18G1915	1.56e4	114.2	NO

Name: 180722M1_60, Date: 23-Jul-2018, Time: 02:38:42, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_61, Date: 23-Jul-2018, Time: 02:49:07, ID: 1801506-09 MCLPCF225 1.04, Description: MCLPCF225

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-09 MCLPCF225 1.04	3.43e3	64.7	NO
2	2	13C5-PFHxA	1801506-09 MCLPCF225 1.04	3.69e3	52.4	NO
3	3	13C3-PFHxS	1801506-09 MCLPCF225 1.04	8.94e2	52.6	NO
4	4	13C8-PFOA	1801506-09 MCLPCF225 1.04	4.45e3	54.4	NO
5	5	13C9-PFNA	1801506-09 MCLPCF225 1.04	4.93e3	59.6	NO
6	6	13C4-PFOS	1801506-09 MCLPCF225 1.04	1.20e3	65.2	NO
7	7	13C6-PFDA	1801506-09 MCLPCF225 1.04	5.48e3	57.0	NO
8	8	13C7-PFUDa	1801506-09 MCLPCF225 1.04	7.65e3	55.9	NO

Name: 180722M1_62, Date: 23-Jul-2018, Time: 02:59:37, ID: 1801506-10 MCLPCF227 1.03, Description: MCLPCF227

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-10 MCLPCF227 1.03	4.95e3	93.2	NO
2	2	13C5-PFHxA	1801506-10 MCLPCF227 1.03	5.94e3	84.2	NO
3	3	13C3-PFHxS	1801506-10 MCLPCF227 1.03	1.45e3	85.1	NO
4	4	13C8-PFOA	1801506-10 MCLPCF227 1.03	6.99e3	85.4	NO
5	5	13C9-PFNA	1801506-10 MCLPCF227 1.03	6.80e3	82.2	NO
6	6	13C4-PFOS	1801506-10 MCLPCF227 1.03	1.62e3	88.0	NO
7	7	13C6-PFDA	1801506-10 MCLPCF227 1.03	7.70e3	80.1	NO
8	8	13C7-PFUDa	1801506-10 MCLPCF227 1.03	1.18e4	86.2	NO

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Name: 180722M1_63, Date: 23-Jul-2018, Time: 03:10:02, ID: 1801506-11 MCLPCF387 1.01, Description: MCLPCF387

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-11 MCLPCF387 1.01	4.06e3	76.6	NO
2	2	13C5-PFHxA	1801506-11 MCLPCF387 1.01	4.59e3	65.1	NO
3	3	13C3-PFHxS	1801506-11 MCLPCF387 1.01	1.16e3	68.1	NO
4	4	13C8-PFOA	1801506-11 MCLPCF387 1.01	5.77e3	70.5	NO
5	5	13C9-PFNA	1801506-11 MCLPCF387 1.01	5.71e3	69.1	NO
6	6	13C4-PFOS	1801506-11 MCLPCF387 1.01	1.31e3	71.2	NO
7	7	13C6-PFDA	1801506-11 MCLPCF387 1.01	6.49e3	67.6	NO
8	8	13C7-PFUDa	1801506-11 MCLPCF387 1.01	9.57e3	69.9	NO

Name: 180722M1_64, Date: 23-Jul-2018, Time: 03:20:32, ID: 1801506-12 MCLPCF228 1.04, Description: MCLPCF228

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-12 MCLPCF228 1.04	4.76e3	89.7	NO
2	2	13C5-PFHxA	1801506-12 MCLPCF228 1.04	5.30e3	75.1	NO
3	3	13C3-PFHxS	1801506-12 MCLPCF228 1.04	1.30e3	76.5	NO
4	4	13C8-PFOA	1801506-12 MCLPCF228 1.04	6.37e3	77.8	NO
5	5	13C9-PFNA	1801506-12 MCLPCF228 1.04	6.92e3	83.6	NO
6	6	13C4-PFOS	1801506-12 MCLPCF228 1.04	1.62e3	88.2	NO
7	7	13C6-PFDA	1801506-12 MCLPCF228 1.04	7.64e3	79.5	NO
8	8	13C7-PFUDa	1801506-12 MCLPCF228 1.04	1.13e4	82.7	NO

Name: 180722M1_65, Date: 23-Jul-2018, Time: 03:30:57, ID: 1801506-13 MCLPCF244 1.07, Description: MCLPCF244

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-13 MCLPCF244 1.07	4.37e3	82.3	NO
2	2	13C5-PFHxA	1801506-13 MCLPCF244 1.07	4.88e3	69.2	NO
3	3	13C3-PFHxS	1801506-13 MCLPCF244 1.07	1.23e3	72.4	NO
4	4	13C8-PFOA	1801506-13 MCLPCF244 1.07	5.98e3	73.1	NO
5	5	13C9-PFNA	1801506-13 MCLPCF244 1.07	5.70e3	68.9	NO
6	6	13C4-PFOS	1801506-13 MCLPCF244 1.07	1.38e3	75.1	NO
7	7	13C6-PFDA	1801506-13 MCLPCF244 1.07	6.90e3	71.8	NO
8	8	13C7-PFUDa	1801506-13 MCLPCF244 1.07	9.83e3	71.8	NO

Name: 180722M1_66, Date: 23-Jul-2018, Time: 03:41:27, ID: 1801506-14 MCLPCF245 1.03, Description: MCLPCF245

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-14 MCLPCF245 1.03	4.27e3	80.5	NO
2	2	13C5-PFHxA	1801506-14 MCLPCF245 1.03	4.89e3	69.4	NO
3	3	13C3-PFHxS	1801506-14 MCLPCF245 1.03	1.27e3	74.8	NO
4	4	13C8-PFOA	1801506-14 MCLPCF245 1.03	5.76e3	70.4	NO
5	5	13C9-PFNA	1801506-14 MCLPCF245 1.03	5.90e3	71.3	NO
6	6	13C4-PFOS	1801506-14 MCLPCF245 1.03	1.46e3	79.4	NO
7	7	13C6-PFDA	1801506-14 MCLPCF245 1.03	6.65e3	69.2	NO
8	8	13C7-PFUDa	1801506-14 MCLPCF245 1.03	9.91e3	72.4	NO

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Name: 180722M1_67, Date: 23-Jul-2018, Time: 03:51:53, ID: 1801506-15 MCLPCF246 1.07, Description: MCLPCF246

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801506-15 MCLPCF246 1.07	4.75e3	89.5	NO
2	2 13C5-PFHxA	1801506-15 MCLPCF246 1.07	5.63e3	79.8	NO
3	3 13C3-PFHxS	1801506-15 MCLPCF246 1.07	1.31e3	77.0	NO
4	4 13C8-PFOA	1801506-15 MCLPCF246 1.07	6.38e3	78.0	NO
5	5 13C9-PFNA	1801506-15 MCLPCF246 1.07	6.47e3	78.3	NO
6	6 13C4-PFOS	1801506-15 MCLPCF246 1.07	1.68e3	91.3	NO
7	7 13C6-PFDA	1801506-15 MCLPCF246 1.07	7.55e3	78.6	NO
8	8 13C7-PFUDa	1801506-15 MCLPCF246 1.07	1.09e4	79.4	NO

Name: 180722M1_68, Date: 23-Jul-2018, Time: 04:02:23, ID: 1801680-03 REEPDW1200FRB 0.1201, Description: REEPDW1200FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801680-03 REEPDW1200FRB 0.1201	2.77e3	52.2	NO
2	2 13C5-PFHxA	1801680-03 REEPDW1200FRB 0.1201	3.53e3	50.1	NO
3	3 13C3-PFHxS	1801680-03 REEPDW1200FRB 0.1201	1.09e3	64.1	NO
4	4 13C8-PFOA	1801680-03 REEPDW1200FRB 0.1201	4.17e3	51.0	NO
5	5 13C9-PFNA	1801680-03 REEPDW1200FRB 0.1201	4.53e3	54.8	NO
6	6 13C4-PFOS	1801680-03 REEPDW1200FRB 0.1201	1.27e3	69.0	NO
7	7 13C6-PFDA	1801680-03 REEPDW1200FRB 0.1201	5.12e3	53.2	NO
8	8 13C7-PFUDa	1801680-03 REEPDW1200FRB 0.1201	7.55e3	55.2	NO

Name: 180722M1_69, Date: 23-Jul-2018, Time: 04:12:48, ID: B8G0023-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0023-BS1 OPR 1	3.01e3	56.7	NO
2	2 13C5-PFHxA	B8G0023-BS1 OPR 1	3.71e3	52.6	NO
3	3 13C3-PFHxS	B8G0023-BS1 OPR 1	9.95e2	58.5	NO
4	4 13C8-PFOA	B8G0023-BS1 OPR 1	4.63e3	56.6	NO
5	5 13C9-PFNA	B8G0023-BS1 OPR 1	4.85e3	58.6	NO
6	6 13C4-PFOS	B8G0023-BS1 OPR 1	1.25e3	67.8	NO
7	7 13C6-PFDA	B8G0023-BS1 OPR 1	5.27e3	54.9	NO
8	8 13C7-PFUDa	B8G0023-BS1 OPR 1	7.85e3	57.3	NO

Name: 180722M1_70, Date: 23-Jul-2018, Time: 04:23:18, ID: B8G0023-MS1 Matrix Spike 1.05, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0023-MS1 Matrix Spike 1.05	3.18e3	59.8	NO
2	2 13C5-PFHxA	B8G0023-MS1 Matrix Spike 1.05	3.80e3	53.8	NO
3	3 13C3-PFHxS	B8G0023-MS1 Matrix Spike 1.05	1.16e3	68.4	NO
4	4 13C8-PFOA	B8G0023-MS1 Matrix Spike 1.05	4.59e3	56.1	NO
5	5 13C9-PFNA	B8G0023-MS1 Matrix Spike 1.05	5.01e3	60.5	NO
6	6 13C4-PFOS	B8G0023-MS1 Matrix Spike 1.05	1.30e3	70.8	NO
7	7 13C6-PFDA	B8G0023-MS1 Matrix Spike 1.05	5.69e3	59.2	NO
8	8 13C7-PFUDa	B8G0023-MS1 Matrix Spike 1.05	8.91e3	65.1	NO

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Name: 180722M1_71, Date: 23-Jul-2018, Time: 04:33:42, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_72, Date: 23-Jul-2018, Time: 04:44:13, ID: ST180722M1-14 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-14 PFC CS3 18G1915	5.62e3	105.9	NO
2	2	13C5-PFHxA	ST180722M1-14 PFC CS3 18G1915	7.88e3	111.7	NO
3	3	13C3-PFHxS	ST180722M1-14 PFC CS3 18G1915	1.83e3	107.7	NO
4	4	13C8-PFOA	ST180722M1-14 PFC CS3 18G1915	9.16e3	112.0	NO
5	5	13C9-PFNA	ST180722M1-14 PFC CS3 18G1915	8.97e3	108.5	NO
6	6	13C4-PFOS	ST180722M1-14 PFC CS3 18G1915	1.99e3	108.1	NO
7	7	13C6-PFDA	ST180722M1-14 PFC CS3 18G1915	1.02e4	106.2	NO
8	8	13C7-PFUDa	ST180722M1-14 PFC CS3 18G1915	1.49e4	108.5	NO

Name: 180722M1_73, Date: 23-Jul-2018, Time: 04:54:38, ID: ST180722M1-15 PFC CS0 18G1912, Description: PFC CS0 18G1912

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-15 PFC CS0 18G1912	4.76e3	89.7	NO
2	2	13C5-PFHxA	ST180722M1-15 PFC CS0 18G1912	7.44e3	105.5	NO
3	3	13C3-PFHxS	ST180722M1-15 PFC CS0 18G1912	1.73e3	102.0	NO
4	4	13C8-PFOA	ST180722M1-15 PFC CS0 18G1912	8.71e3	106.4	NO
5	5	13C9-PFNA	ST180722M1-15 PFC CS0 18G1912	8.77e3	106.0	NO
6	6	13C4-PFOS	ST180722M1-15 PFC CS0 18G1912	2.01e3	109.3	NO
7	7	13C6-PFDA	ST180722M1-15 PFC CS0 18G1912	9.86e3	102.6	NO
8	8	13C7-PFUDa	ST180722M1-15 PFC CS0 18G1912	1.35e4	98.6	NO

Name: 180722M1_74, Date: 23-Jul-2018, Time: 05:05:08, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180722M1_75, Date: 23-Jul-2018, Time: 05:15:33, ID: 1801714-01 REEPDW1202 0.11396, Description: REEPDW1202

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801714-01 REEPDW1202 0.11396	2.89e3	54.4	NO
2	2	13C5-PFHxA	1801714-01 REEPDW1202 0.11396	3.91e3	55.4	NO
3	3	13C3-PFHxS	1801714-01 REEPDW1202 0.11396	1.18e3	69.7	NO
4	4	13C8-PFOA	1801714-01 REEPDW1202 0.11396	5.06e3	61.8	NO
5	5	13C9-PFNA	1801714-01 REEPDW1202 0.11396	4.95e3	59.8	NO
6	6	13C4-PFOS	1801714-01 REEPDW1202 0.11396	1.36e3	73.6	NO
7	7	13C6-PFDA	1801714-01 REEPDW1202 0.11396	5.69e3	59.2	NO
8	8	13C7-PFUDa	1801714-01 REEPDW1202 0.11396	8.47e3	61.9	NO

Name: 180722M1_76, Date: 23-Jul-2018, Time: 05:26:03, ID: 1801714-04 REEPDW1207 0.11431, Description: REEPDW1207

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801714-04 REEPDW1207 0.11431	3.29e3	62.0	NO
2	2	13C5-PFHxA	1801714-04 REEPDW1207 0.11431	3.87e3	54.9	NO
3	3	13C3-PFHxS	1801714-04 REEPDW1207 0.11431	1.17e3	68.7	NO
4	4	13C8-PFOA	1801714-04 REEPDW1207 0.11431	4.50e3	54.9	NO
5	5	13C9-PFNA	1801714-04 REEPDW1207 0.11431	5.58e3	67.4	NO
6	6	13C4-PFOS	1801714-04 REEPDW1207 0.11431	1.45e3	79.0	NO
7	7	13C6-PFDA	1801714-04 REEPDW1207 0.11431	6.12e3	63.7	NO
8	8	13C7-PFUDa	1801714-04 REEPDW1207 0.11431	8.78e3	64.1	NO

Name: 180722M1_77, Date: 23-Jul-2018, Time: 05:36:28, ID: 1801714-05 REEPDW1201 0.11586, Description: REEPDW1201

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801714-05 REEPDW1201 0.11586	2.94e3	55.3	NO
2	2	13C5-PFHxA	1801714-05 REEPDW1201 0.11586	3.78e3	53.6	NO
3	3	13C3-PFHxS	1801714-05 REEPDW1201 0.11586	1.19e3	70.0	NO
4	4	13C8-PFOA	1801714-05 REEPDW1201 0.11586	4.52e3	55.2	NO
5	5	13C9-PFNA	1801714-05 REEPDW1201 0.11586	4.71e3	57.0	NO
6	6	13C4-PFOS	1801714-05 REEPDW1201 0.11586	1.50e3	81.6	NO
7	7	13C6-PFDA	1801714-05 REEPDW1201 0.11586	5.96e3	62.0	NO
8	8	13C7-PFUDa	1801714-05 REEPDW1201 0.11586	8.11e3	59.2	NO

Name: 180722M1_78, Date: 23-Jul-2018, Time: 05:46:59, ID: 1801506-04 MCLPCF256 1.04, Description: MCLPCF256

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801506-04 MCLPCF256 1.04	3.21e3	60.4	NO
2	2	13C5-PFHxA	1801506-04 MCLPCF256 1.04	3.75e3	53.1	NO
3	3	13C3-PFHxS	1801506-04 MCLPCF256 1.04	1.03e3	60.6	NO
4	4	13C8-PFOA	1801506-04 MCLPCF256 1.04	4.53e3	55.4	NO
5	5	13C9-PFNA	1801506-04 MCLPCF256 1.04	4.83e3	58.4	NO
6	6	13C4-PFOS	1801506-04 MCLPCF256 1.04	1.26e3	68.3	NO
7	7	13C6-PFDA	1801506-04 MCLPCF256 1.04	5.39e3	56.1	NO
8	8	13C7-PFUDa	1801506-04 MCLPCF256 1.04	7.60e3	55.5	NO

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Name: 180722M1_79, Date: 23-Jul-2018, Time: 05:57:23, ID: 1801506-05 MCLPCF242 1.14, Description: MCLPCF242

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801506-05 MCLPCF242 1.14	3.43e3	64.7	NO
2	2 13C5-PFHxA	1801506-05 MCLPCF242 1.14	3.81e3	54.0	NO
3	3 13C3-PFHxS	1801506-05 MCLPCF242 1.14	1.01e3	59.3	NO
4	4 13C8-PFOA	1801506-05 MCLPCF242 1.14	5.12e3	62.6	NO
5	5 13C9-PFNA	1801506-05 MCLPCF242 1.14	5.12e3	61.9	NO
6	6 13C4-PFOS	1801506-05 MCLPCF242 1.14	1.21e3	65.9	NO
7	7 13C6-PFDA	1801506-05 MCLPCF242 1.14	5.52e3	57.5	NO
8	8 13C7-PFUDa	1801506-05 MCLPCF242 1.14	8.23e3	60.1	NO

Name: 180722M1_80, Date: 23-Jul-2018, Time: 06:07:54, ID: B8G0053-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0053-BS1 OPR 1	4.05e3	76.3	NO
2	2 13C5-PFHxA	B8G0053-BS1 OPR 1	5.03e3	71.3	NO
3	3 13C3-PFHxS	B8G0053-BS1 OPR 1	1.43e3	84.4	NO
4	4 13C8-PFOA	B8G0053-BS1 OPR 1	6.38e3	78.0	NO
5	5 13C9-PFNA	B8G0053-BS1 OPR 1	6.62e3	80.0	NO
6	6 13C4-PFOS	B8G0053-BS1 OPR 1	1.61e3	87.4	NO
7	7 13C6-PFDA	B8G0053-BS1 OPR 1	7.39e3	76.9	NO
8	8 13C7-PFUDa	B8G0053-BS1 OPR 1	1.10e4	80.6	NO

Name: 180722M1_81, Date: 23-Jul-2018, Time: 06:18:24, ID: B8G0053-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0053-BLK1 Method Blank 1	4.40e3	82.8	NO
2	2 13C5-PFHxA	B8G0053-BLK1 Method Blank 1	5.48e3	77.7	NO
3	3 13C3-PFHxS	B8G0053-BLK1 Method Blank 1	1.29e3	76.2	NO
4	4 13C8-PFOA	B8G0053-BLK1 Method Blank 1	6.54e3	79.9	NO
5	5 13C9-PFNA	B8G0053-BLK1 Method Blank 1	6.63e3	80.1	NO
6	6 13C4-PFOS	B8G0053-BLK1 Method Blank 1	1.62e3	87.9	NO
7	7 13C6-PFDA	B8G0053-BLK1 Method Blank 1	8.01e3	83.4	NO
8	8 13C7-PFUDa	B8G0053-BLK1 Method Blank 1	1.07e4	77.9	NO

Name: 180722M1_82, Date: 23-Jul-2018, Time: 06:28:49, ID: B8G0053-MS1 Matrix Spike 1.1, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0053-MS1 Matrix Spike 1.1	2.72e3	51.3	NO
2	2 13C5-PFHxA	B8G0053-MS1 Matrix Spike 1.1	3.37e3	47.8	YES
3	3 13C3-PFHxS	B8G0053-MS1 Matrix Spike 1.1	8.32e2	49.0	YES
4	4 13C8-PFOA	B8G0053-MS1 Matrix Spike 1.1	3.99e3	48.7	YES
5	5 13C9-PFNA	B8G0053-MS1 Matrix Spike 1.1	4.27e3	51.7	NO
6	6 13C4-PFOS	B8G0053-MS1 Matrix Spike 1.1	1.05e3	57.2	NO
7	7 13C6-PFDA	B8G0053-MS1 Matrix Spike 1.1	4.50e3	46.9	YES
8	8 13C7-PFUDa	B8G0053-MS1 Matrix Spike 1.1	7.15e3	52.3	NO

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Name: 180722M1_83, Date: 23-Jul-2018, Time: 06:39:19, ID: B8G0053-MSD1 Matrix Spike Dup 1.12, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0053-MSD1 Matrix Spike Dup 1.12	3.57e3	67.3	NO
2	2	13C5-PFHxA	B8G0053-MSD1 Matrix Spike Dup 1.12	4.65e3	65.9	NO
3	3	13C3-PFHxS	B8G0053-MSD1 Matrix Spike Dup 1.12	1.09e3	64.2	NO
4	4	13C8-PFOA	B8G0053-MSD1 Matrix Spike Dup 1.12	5.32e3	65.0	NO
5	5	13C9-PFNA	B8G0053-MSD1 Matrix Spike Dup 1.12	5.18e3	62.7	NO
6	6	13C4-PFOS	B8G0053-MSD1 Matrix Spike Dup 1.12	1.30e3	70.8	NO
7	7	13C6-PFDA	B8G0053-MSD1 Matrix Spike Dup 1.12	5.81e3	60.5	NO
8	8	13C7-PFUDa	B8G0053-MSD1 Matrix Spike Dup 1.12	8.30e3	60.7	NO

Name: 180722M1_84, Date: 23-Jul-2018, Time: 06:49:49, ID: 1801566-01 MCLPCD172 1.19, Description: MCLPCD172

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-01 MCLPCD172 1.19	4.39e3	82.7	NO
2	2	13C5-PFHxA	1801566-01 MCLPCD172 1.19	5.28e3	74.8	NO
3	3	13C3-PFHxS	1801566-01 MCLPCD172 1.19	1.28e3	75.2	NO
4	4	13C8-PFOA	1801566-01 MCLPCD172 1.19	6.17e3	75.4	NO
5	5	13C9-PFNA	1801566-01 MCLPCD172 1.19	6.25e3	75.6	NO
6	6	13C4-PFOS	1801566-01 MCLPCD172 1.19	1.50e3	81.7	NO
7	7	13C6-PFDA	1801566-01 MCLPCD172 1.19	7.44e3	77.4	NO
8	8	13C7-PFUDa	1801566-01 MCLPCD172 1.19	1.05e4	76.7	NO

Name: 180722M1_85, Date: 23-Jul-2018, Time: 07:00:14, ID: 1801566-02 MCLPCA027 1.15, Description: MCLPCA027

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-02 MCLPCA027 1.15	4.25e3	80.1	NO
2	2	13C5-PFHxA	1801566-02 MCLPCA027 1.15	5.21e3	74.0	NO
3	3	13C3-PFHxS	1801566-02 MCLPCA027 1.15	1.33e3	78.0	NO
4	4	13C8-PFOA	1801566-02 MCLPCA027 1.15	6.42e3	78.5	NO
5	5	13C9-PFNA	1801566-02 MCLPCA027 1.15	6.42e3	77.5	NO
6	6	13C4-PFOS	1801566-02 MCLPCA027 1.15	1.56e3	84.6	NO
7	7	13C6-PFDA	1801566-02 MCLPCA027 1.15	7.39e3	76.9	NO
8	8	13C7-PFUDa	1801566-02 MCLPCA027 1.15	1.10e4	80.7	NO

Name: 180722M1_86, Date: 23-Jul-2018, Time: 07:10:45, ID: 1801566-03 MCLPCA021 1.06, Description: MCLPCA021

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-03 MCLPCA021 1.06	4.03e3	75.8	NO
2	2	13C5-PFHxA	1801566-03 MCLPCA021 1.06	5.11e3	72.5	NO
3	3	13C3-PFHxS	1801566-03 MCLPCA021 1.06	1.30e3	76.5	NO
4	4	13C8-PFOA	1801566-03 MCLPCA021 1.06	5.90e3	72.1	NO
5	5	13C9-PFNA	1801566-03 MCLPCA021 1.06	6.19e3	74.9	NO
6	6	13C4-PFOS	1801566-03 MCLPCA021 1.06	1.55e3	84.4	NO
7	7	13C6-PFDA	1801566-03 MCLPCA021 1.06	7.15e3	74.4	NO
8	8	13C7-PFUDa	1801566-03 MCLPCA021 1.06	1.03e4	75.5	NO

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Name: 180722M1_87, Date: 23-Jul-2018, Time: 07:21:15, ID: 1801566-04 MCLPCA365 1.04, Description: MCLPCA365

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-04 MCLPCA365 1.04	4.02e3	75.7	NO
2	2 13C5-PFHxA	1801566-04 MCLPCA365 1.04	5.02e3	71.2	NO
3	3 13C3-PFHxS	1801566-04 MCLPCA365 1.04	1.21e3	71.1	NO
4	4 13C8-PFOA	1801566-04 MCLPCA365 1.04	5.85e3	71.5	NO
5	5 13C9-PFNA	1801566-04 MCLPCA365 1.04	6.33e3	76.5	NO
6	6 13C4-PFOS	1801566-04 MCLPCA365 1.04	1.42e3	76.9	NO
7	7 13C6-PFDA	1801566-04 MCLPCA365 1.04	6.81e3	70.9	NO
8	8 13C7-PFUDa	1801566-04 MCLPCA365 1.04	9.93e3	72.6	NO

Name: 180722M1_88, Date: 23-Jul-2018, Time: 07:31:40, ID: 1801566-05 MCLPCA024 1.13, Description: MCLPCA024

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-05 MCLPCA024 1.13	3.90e3	73.5	NO
2	2 13C5-PFHxA	1801566-05 MCLPCA024 1.13	4.68e3	66.4	NO
3	3 13C3-PFHxS	1801566-05 MCLPCA024 1.13	1.22e3	71.8	NO
4	4 13C8-PFOA	1801566-05 MCLPCA024 1.13	5.45e3	66.6	NO
5	5 13C9-PFNA	1801566-05 MCLPCA024 1.13	5.93e3	71.7	NO
6	6 13C4-PFOS	1801566-05 MCLPCA024 1.13	1.35e3	73.2	NO
7	7 13C6-PFDA	1801566-05 MCLPCA024 1.13	6.77e3	70.4	NO
8	8 13C7-PFUDa	1801566-05 MCLPCA024 1.13	9.18e3	67.1	NO

Name: 180722M1_89, Date: 23-Jul-2018, Time: 07:42:11, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

Name: 180722M1_90, Date: 23-Jul-2018, Time: 07:52:35, ID: ST180722M1-16 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180722M1-16 PFC CS3 18G1915	5.72e3	107.9	NO
2	2 13C5-PFHxA	ST180722M1-16 PFC CS3 18G1915	8.03e3	113.9	NO
3	3 13C3-PFHxS	ST180722M1-16 PFC CS3 18G1915	1.88e3	110.7	NO
4	4 13C8-PFOA	ST180722M1-16 PFC CS3 18G1915	9.16e3	111.9	NO
5	5 13C9-PFNA	ST180722M1-16 PFC CS3 18G1915	9.01e3	108.9	NO
6	6 13C4-PFOS	ST180722M1-16 PFC CS3 18G1915	2.14e3	116.2	NO
7	7 13C6-PFDA	ST180722M1-16 PFC CS3 18G1915	8.87e3	92.3	NO
8	8 13C7-PFUDa	ST180722M1-16 PFC CS3 18G1915	1.45e4	105.9	NO

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Name: 180722M1_91, Date: 23-Jul-2018, Time: 08:03:06, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_92, Date: 23-Jul-2018, Time: 08:13:31, ID: 1801566-06 MCLP18115 1.05, Description: MCLP18115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-06 MCLP18115 1.05	4.21e3	79.3	NO
2	2	13C5-PFHxA	1801566-06 MCLP18115 1.05	5.09e3	72.2	NO
3	3	13C3-PFHxS	1801566-06 MCLP18115 1.05	1.36e3	80.0	NO
4	4	13C8-PFOA	1801566-06 MCLP18115 1.05	6.07e3	74.1	NO
5	5	13C9-PFNA	1801566-06 MCLP18115 1.05	6.00e3	72.6	NO
6	6	13C4-PFOS	1801566-06 MCLP18115 1.05	1.56e3	84.8	NO
7	7	13C6-PFDA	1801566-06 MCLP18115 1.05	7.27e3	75.7	NO
8	8	13C7-PFUDa	1801566-06 MCLP18115 1.05	1.06e4	77.7	NO

Name: 180722M1_93, Date: 23-Jul-2018, Time: 08:24:01, ID: 1801566-07 MCLPSB080 1.24, Description: MCLPSB080

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-07 MCLPSB080 1.24	4.35e3	82.0	NO
2	2	13C5-PFHxA	1801566-07 MCLPSB080 1.24	5.28e3	74.9	NO
3	3	13C3-PFHxS	1801566-07 MCLPSB080 1.24	1.32e3	77.9	NO
4	4	13C8-PFOA	1801566-07 MCLPSB080 1.24	6.19e3	75.7	NO
5	5	13C9-PFNA	1801566-07 MCLPSB080 1.24	6.25e3	75.5	NO
6	6	13C4-PFOS	1801566-07 MCLPSB080 1.24	1.46e3	79.1	NO
7	7	13C6-PFDA	1801566-07 MCLPSB080 1.24	7.61e3	79.2	NO
8	8	13C7-PFUDa	1801566-07 MCLPSB080 1.24	1.03e4	75.1	NO

Name: 180722M1_94, Date: 23-Jul-2018, Time: 08:34:26, ID: 1801566-08 MCLPCC081 1.23, Description: MCLPCC081

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-08 MCLPCC081 1.23	4.26e3	80.2	NO
2	2	13C5-PFHxA	1801566-08 MCLPCC081 1.23	5.31e3	75.3	NO
3	3	13C3-PFHxS	1801566-08 MCLPCC081 1.23	1.28e3	75.4	NO
4	4	13C8-PFOA	1801566-08 MCLPCC081 1.23	5.93e3	72.5	NO
5	5	13C9-PFNA	1801566-08 MCLPCC081 1.23	6.76e3	81.7	NO
6	6	13C4-PFOS	1801566-08 MCLPCC081 1.23	1.56e3	84.5	NO
7	7	13C6-PFDA	1801566-08 MCLPCC081 1.23	7.33e3	76.3	NO
8	8	13C7-PFUDa	1801566-08 MCLPCC081 1.23	1.09e4	79.4	NO

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Name: 180722M1_95, Date: 23-Jul-2018, Time: 08:44:56, ID: 1801566-09 MCLPCC089 1.16, Description: MCLPCC089

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-09 MCLPCC089 1.16	4.26e3	80.3	NO
2	2	13C5-PFHxA	1801566-09 MCLPCC089 1.16	5.19e3	73.6	NO
3	3	13C3-PFHxS	1801566-09 MCLPCC089 1.16	1.35e3	79.6	NO
4	4	13C8-PFOA	1801566-09 MCLPCC089 1.16	6.21e3	75.9	NO
5	5	13C9-PFNA	1801566-09 MCLPCC089 1.16	6.48e3	78.3	NO
6	6	13C4-PFOS	1801566-09 MCLPCC089 1.16	1.57e3	85.3	NO
7	7	13C6-PFDA	1801566-09 MCLPCC089 1.16	7.44e3	77.4	NO
8	8	13C7-PFUDa	1801566-09 MCLPCC089 1.16	1.02e4	74.9	NO

Name: 180722M1_96, Date: 23-Jul-2018, Time: 08:55:21, ID: 1801566-10 MCLPCC090 1.29, Description: MCLPCC090

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-10 MCLPCC090 1.29	3.71e3	69.9	NO
2	2	13C5-PFHxA	1801566-10 MCLPCC090 1.29	4.08e3	57.8	NO
3	3	13C3-PFHxS	1801566-10 MCLPCC090 1.29	1.10e3	64.8	NO
4	4	13C8-PFOA	1801566-10 MCLPCC090 1.29	5.04e3	61.6	NO
5	5	13C9-PFNA	1801566-10 MCLPCC090 1.29	5.44e3	65.8	NO
6	6	13C4-PFOS	1801566-10 MCLPCC090 1.29	1.07e3	58.3	NO
7	7	13C6-PFDA	1801566-10 MCLPCC090 1.29	6.12e3	63.6	NO
8	8	13C7-PFUDa	1801566-10 MCLPCC090 1.29	8.01e3	58.5	NO

Name: 180722M1_97, Date: 23-Jul-2018, Time: 09:05:51, ID: 1801566-11 MCLPCC086 1.17, Description: MCLPCC086

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-11 MCLPCC086 1.17	4.38e3	82.6	NO
2	2	13C5-PFHxA	1801566-11 MCLPCC086 1.17	5.32e3	75.4	NO
3	3	13C3-PFHxS	1801566-11 MCLPCC086 1.17	1.34e3	78.7	NO
4	4	13C8-PFOA	1801566-11 MCLPCC086 1.17	6.17e3	75.4	NO
5	5	13C9-PFNA	1801566-11 MCLPCC086 1.17	6.48e3	78.3	NO
6	6	13C4-PFOS	1801566-11 MCLPCC086 1.17	1.67e3	90.5	NO
7	7	13C6-PFDA	1801566-11 MCLPCC086 1.17	7.48e3	77.8	NO
8	8	13C7-PFUDa	1801566-11 MCLPCC086 1.17	1.01e4	73.8	NO

Name: 180722M1_98, Date: 23-Jul-2018, Time: 09:16:16, ID: 1801566-12 MCLPCC087 1.15, Description: MCLPCC087

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-12 MCLPCC087 1.15	4.15e3	78.3	NO
2	2	13C5-PFHxA	1801566-12 MCLPCC087 1.15	5.13e3	72.7	NO
3	3	13C3-PFHxS	1801566-12 MCLPCC087 1.15	1.25e3	73.4	NO
4	4	13C8-PFOA	1801566-12 MCLPCC087 1.15	6.01e3	73.4	NO
5	5	13C9-PFNA	1801566-12 MCLPCC087 1.15	5.99e3	72.5	NO
6	6	13C4-PFOS	1801566-12 MCLPCC087 1.15	1.48e3	80.6	NO
7	7	13C6-PFDA	1801566-12 MCLPCC087 1.15	7.07e3	73.6	NO
8	8	13C7-PFUDa	1801566-12 MCLPCC087 1.15	9.65e3	70.5	NO

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Name: 180722M1_99, Date: 23-Jul-2018, Time: 09:26:47, ID: 1801566-13 MCLPCC083 1.2, Description: MCLPCC083

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-13 MCLPCC083 1.2	4.04e3	76.1	NO
2	2 13C5-PFHxA	1801566-13 MCLPCC083 1.2	4.94e3	70.0	NO
3	3 13C3-PFHxS	1801566-13 MCLPCC083 1.2	1.24e3	73.1	NO
4	4 13C8-PFOA	1801566-13 MCLPCC083 1.2	5.79e3	70.8	NO
5	5 13C9-PFNA	1801566-13 MCLPCC083 1.2	6.19e3	74.8	NO
6	6 13C4-PFOS	1801566-13 MCLPCC083 1.2	1.53e3	83.1	NO
7	7 13C6-PFDA	1801566-13 MCLPCC083 1.2	6.75e3	70.2	NO
8	8 13C7-PFUDa	1801566-13 MCLPCC083 1.2	1.00e4	73.2	NO

Name: 180722M1_100, Date: 23-Jul-2018, Time: 09:37:12, ID: 1801566-14 MCLPCC084 1.15, Description: MCLPCC084

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-14 MCLPCC084 1.15	4.22e3	79.4	NO
2	2 13C5-PFHxA	1801566-14 MCLPCC084 1.15	5.24e3	74.3	NO
3	3 13C3-PFHxS	1801566-14 MCLPCC084 1.15	1.35e3	79.4	NO
4	4 13C8-PFOA	1801566-14 MCLPCC084 1.15	6.45e3	78.8	NO
5	5 13C9-PFNA	1801566-14 MCLPCC084 1.15	6.83e3	82.6	NO
6	6 13C4-PFOS	1801566-14 MCLPCC084 1.15	1.53e3	83.0	NO
7	7 13C6-PFDA	1801566-14 MCLPCC084 1.15	6.88e3	71.6	NO
8	8 13C7-PFUDa	1801566-14 MCLPCC084 1.15	1.03e4	75.2	NO

Name: 180722M1_101, Date: 23-Jul-2018, Time: 09:47:42, ID: 1801566-15 MCLPCC092 1.16, Description: MCLPCC092

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-15 MCLPCC092 1.16	3.60e3	67.8	NO
2	2 13C5-PFHxA	1801566-15 MCLPCC092 1.16	4.15e3	58.8	NO
3	3 13C3-PFHxS	1801566-15 MCLPCC092 1.16	1.03e3	60.4	NO
4	4 13C8-PFOA	1801566-15 MCLPCC092 1.16	5.19e3	63.4	NO
5	5 13C9-PFNA	1801566-15 MCLPCC092 1.16	5.52e3	66.7	NO
6	6 13C4-PFOS	1801566-15 MCLPCC092 1.16	1.27e3	68.8	NO
7	7 13C6-PFDA	1801566-15 MCLPCC092 1.16	6.08e3	63.3	NO
8	8 13C7-PFUDa	1801566-15 MCLPCC092 1.16	8.26e3	60.4	NO

Name: 180722M1_102, Date: 23-Jul-2018, Time: 09:58:07, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

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Name: 180722M1_103, Date: 23-Jul-2018, Time: 10:08:38, ID: ST180722M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-17 PFC CS3 18G1915	5.59e3	105.2	NO
2	2	13C5-PFHxA	ST180722M1-17 PFC CS3 18G1915	7.76e3	110.0	NO
3	3	13C3-PFHxS	ST180722M1-17 PFC CS3 18G1915	1.85e3	108.7	NO
4	4	13C8-PFOA	ST180722M1-17 PFC CS3 18G1915	8.80e3	107.6	NO
5	5	13C9-PFNA	ST180722M1-17 PFC CS3 18G1915	9.82e3	118.7	NO
6	6	13C4-PFOS	ST180722M1-17 PFC CS3 18G1915	2.05e3	111.5	NO
7	7	13C6-PFDA	ST180722M1-17 PFC CS3 18G1915	1.05e4	109.1	NO
8	8	13C7-PFUDa	ST180722M1-17 PFC CS3 18G1915	1.50e4	109.5	NO

Name: 180722M1_104, Date: 23-Jul-2018, Time: 10:19:02, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_105, Date: 23-Jul-2018, Time: 10:29:24, ID: 1801566-16 MCLPCC093 1.15, Description: MCLPCC093

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-16 MCLPCC093 1.15	4.35e3	81.9	NO
2	2	13C5-PFHxA	1801566-16 MCLPCC093 1.15	5.18e3	73.4	NO
3	3	13C3-PFHxS	1801566-16 MCLPCC093 1.15	1.25e3	73.5	NO
4	4	13C8-PFOA	1801566-16 MCLPCC093 1.15	5.97e3	73.0	NO
5	5	13C9-PFNA	1801566-16 MCLPCC093 1.15	6.20e3	74.9	NO
6	6	13C4-PFOS	1801566-16 MCLPCC093 1.15	1.59e3	86.6	NO
7	7	13C6-PFDA	1801566-16 MCLPCC093 1.15	6.89e3	71.7	NO
8	8	13C7-PFUDa	1801566-16 MCLPCC093 1.15	9.88e3	72.2	NO

Name: 180722M1_106, Date: 23-Jul-2018, Time: 10:39:55, ID: 1801566-17 MCLPCC095 1.25, Description: MCLPCC095

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801566-17 MCLPCC095 1.25	3.96e3	74.7	NO
2	2	13C5-PFHxA	1801566-17 MCLPCC095 1.25	4.72e3	67.0	NO
3	3	13C3-PFHxS	1801566-17 MCLPCC095 1.25	1.19e3	70.2	NO
4	4	13C8-PFOA	1801566-17 MCLPCC095 1.25	5.52e3	67.4	NO
5	5	13C9-PFNA	1801566-17 MCLPCC095 1.25	5.43e3	65.6	NO
6	6	13C4-PFOS	1801566-17 MCLPCC095 1.25	1.38e3	74.9	NO
7	7	13C6-PFDA	1801566-17 MCLPCC095 1.25	6.64e3	69.1	NO
8	8	13C7-PFUDa	1801566-17 MCLPCC095 1.25	9.17e3	67.0	NO

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Name: 180722M1_107, Date: 23-Jul-2018, Time: 10:50:19, ID: 1801566-18 MCLPCC096 1.19, Description: MCLPCC096

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801566-18 MCLPCC096 1.19	3.55e3	66.9	NO
2	2 13C5-PFHxA	1801566-18 MCLPCC096 1.19	4.16e3	59.0	NO
3	3 13C3-PFHxS	1801566-18 MCLPCC096 1.19	1.08e3	63.3	NO
4	4 13C8-PFOA	1801566-18 MCLPCC096 1.19	5.06e3	61.8	NO
5	5 13C9-PFNA	1801566-18 MCLPCC096 1.19	5.06e3	61.2	NO
6	6 13C4-PFOS	1801566-18 MCLPCC096 1.19	1.20e3	65.0	NO
7	7 13C6-PFDA	1801566-18 MCLPCC096 1.19	5.57e3	58.0	NO
8	8 13C7-PFUDa	1801566-18 MCLPCC096 1.19	8.34e3	61.0	NO

Name: 180722M1_108, Date: 23-Jul-2018, Time: 11:00:49, ID: B8G0049-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0049-BS1 OPR 1	2.66e3	50.1	NO
2	2 13C5-PFHxA	B8G0049-BS1 OPR 1	3.64e3	51.6	NO
3	3 13C3-PFHxS	B8G0049-BS1 OPR 1	9.27e2	54.5	NO
4	4 13C8-PFOA	B8G0049-BS1 OPR 1	4.27e3	52.2	NO
5	5 13C9-PFNA	B8G0049-BS1 OPR 1	4.14e3	50.1	NO
6	6 13C4-PFOS	B8G0049-BS1 OPR 1	1.09e3	59.0	NO
7	7 13C6-PFDA	B8G0049-BS1 OPR 1	4.90e3	51.0	NO
8	8 13C7-PFUDa	B8G0049-BS1 OPR 1	7.12e3	52.1	NO

Name: 180722M1_109, Date: 23-Jul-2018, Time: 11:11:14, ID: B8G0049-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0049-BLK1 Method Blank 1	2.34e3	44.1	YES
2	2 13C5-PFHxA	B8G0049-BLK1 Method Blank 1	3.01e3	42.7	YES
3	3 13C3-PFHxS	B8G0049-BLK1 Method Blank 1	7.71e2	45.3	YES
4	4 13C8-PFOA	B8G0049-BLK1 Method Blank 1	3.57e3	43.6	YES
5	5 13C9-PFNA	B8G0049-BLK1 Method Blank 1	3.70e3	44.7	YES
6	6 13C4-PFOS	B8G0049-BLK1 Method Blank 1	9.60e2	52.1	NO
7	7 13C6-PFDA	B8G0049-BLK1 Method Blank 1	3.99e3	41.5	YES
8	8 13C7-PFUDa	B8G0049-BLK1 Method Blank 1	6.07e3	44.3	YES

Name: 180722M1_110, Date: 23-Jul-2018, Time: 11:21:44, ID: B8G0049-MS1 Matrix Spike 1.02, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0049-MS1 Matrix Spike 1.02	2.21e3	41.7	YES
2	2 13C5-PFHxA	B8G0049-MS1 Matrix Spike 1.02	3.22e3	45.6	YES
3	3 13C3-PFHxS	B8G0049-MS1 Matrix Spike 1.02	9.16e2	53.9	NO
4	4 13C8-PFOA	B8G0049-MS1 Matrix Spike 1.02	4.49e3	54.9	NO
5	5 13C9-PFNA	B8G0049-MS1 Matrix Spike 1.02	4.63e3	55.9	NO
6	6 13C4-PFOS	B8G0049-MS1 Matrix Spike 1.02	1.11e3	60.1	NO
7	7 13C6-PFDA	B8G0049-MS1 Matrix Spike 1.02	5.00e3	52.0	NO
8	8 13C7-PFUDa	B8G0049-MS1 Matrix Spike 1.02	7.01e3	51.2	NO

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Name: 180722M1_111, Date: 23-Jul-2018, Time: 11:32:09, ID: B8G0049-MSD1 Matrix Spike Dup 1.04, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0049-MSD1 Matrix Spike Dup 1.04	2.16e3	40.7	YES
2	2	13C5-PFHxA	B8G0049-MSD1 Matrix Spike Dup 1.04	2.94e3	41.6	YES
3	3	13C3-PFHxS	B8G0049-MSD1 Matrix Spike Dup 1.04	7.80e2	45.9	YES
4	4	13C8-PFOA	B8G0049-MSD1 Matrix Spike Dup 1.04	3.70e3	45.2	YES
5	5	13C9-PFNA	B8G0049-MSD1 Matrix Spike Dup 1.04	3.60e3	43.5	YES
6	6	13C4-PFOS	B8G0049-MSD1 Matrix Spike Dup 1.04	9.64e2	52.4	NO
7	7	13C6-PFDA	B8G0049-MSD1 Matrix Spike Dup 1.04	4.38e3	45.5	YES
8	8	13C7-PFUDa	B8G0049-MSD1 Matrix Spike Dup 1.04	6.08e3	44.4	YES

Name: 180722M1_112, Date: 23-Jul-2018, Time: 11:42:40, ID: 1801575-02 MCLP18115 1.07, Description: MCLP18115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801575-02 MCLP18115 1.07	2.68e3	50.6	NO
2	2	13C5-PFHxA	1801575-02 MCLP18115 1.07	3.82e3	54.1	NO
3	3	13C3-PFHxS	1801575-02 MCLP18115 1.07	1.02e3	59.9	NO
4	4	13C8-PFOA	1801575-02 MCLP18115 1.07	4.66e3	56.9	NO
5	5	13C9-PFNA	1801575-02 MCLP18115 1.07	5.04e3	60.9	NO
6	6	13C4-PFOS	1801575-02 MCLP18115 1.07	1.20e3	65.3	NO
7	7	13C6-PFDA	1801575-02 MCLP18115 1.07	5.58e3	58.1	NO
8	8	13C7-PFUDa	1801575-02 MCLP18115 1.07	7.41e3	54.2	NO

Name: 180722M1_113, Date: 23-Jul-2018, Time: 11:53:05, ID: 1801575-03 MCLP18116 1.01, Description: MCLP18116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801575-03 MCLP18116 1.01	2.12e3	39.9	YES
2	2	13C5-PFHxA	1801575-03 MCLP18116 1.01	3.06e3	43.3	YES
3	3	13C3-PFHxS	1801575-03 MCLP18116 1.01	8.51e2	50.1	NO
4	4	13C8-PFOA	1801575-03 MCLP18116 1.01	3.87e3	47.3	YES
5	5	13C9-PFNA	1801575-03 MCLP18116 1.01	3.80e3	45.9	YES
6	6	13C4-PFOS	1801575-03 MCLP18116 1.01	9.48e2	51.5	NO
7	7	13C6-PFDA	1801575-03 MCLP18116 1.01	4.31e3	44.8	YES
8	8	13C7-PFUDa	1801575-03 MCLP18116 1.01	5.88e3	43.0	YES

Name: 180722M1_114, Date: 23-Jul-2018, Time: 12:03:35, ID: 1801575-04 MCLP18119 1.03, Description: MCLP18119

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801575-04 MCLP18119 1.03	1.95e3	36.8	YES
2	2	13C5-PFHxA	1801575-04 MCLP18119 1.03	2.60e3	36.8	YES
3	3	13C3-PFHxS	1801575-04 MCLP18119 1.03	8.03e2	47.2	YES
4	4	13C8-PFOA	1801575-04 MCLP18119 1.03	3.50e3	42.7	YES
5	5	13C9-PFNA	1801575-04 MCLP18119 1.03	3.51e3	42.4	YES
6	6	13C4-PFOS	1801575-04 MCLP18119 1.03	9.21e2	50.0	NO
7	7	13C6-PFDA	1801575-04 MCLP18119 1.03	3.92e3	40.8	YES
8	8	13C7-PFUDa	1801575-04 MCLP18119 1.03	5.97e3	43.6	YES

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Name: 180722M1_115, Date: 23-Jul-2018, Time: 12:14:01, ID: 1801575-05 MCLP18120 1.16, Description: MCLP18120

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-05 MCLP18120 1.16	2.42e3	45.7	YES
2	2 13C5-PFHxA	1801575-05 MCLP18120 1.16	3.36e3	47.6	YES
3	3 13C3-PFHxS	1801575-05 MCLP18120 1.16	8.91e2	52.4	NO
4	4 13C8-PFOA	1801575-05 MCLP18120 1.16	4.19e3	51.1	NO
5	5 13C9-PFNA	1801575-05 MCLP18120 1.16	4.16e3	50.3	NO
6	6 13C4-PFOS	1801575-05 MCLP18120 1.16	1.00e3	54.4	NO
7	7 13C6-PFDA	1801575-05 MCLP18120 1.16	4.99e3	52.0	NO
8	8 13C7-PFUDa	1801575-05 MCLP18120 1.16	7.03e3	51.4	NO

Name: 180722M1_116, Date: 23-Jul-2018, Time: 12:24:30, ID: 1801575-06 MCLP18113 1.07, Description: MCLP18113

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-06 MCLP18113 1.07	2.57e3	48.5	YES
2	2 13C5-PFHxA	1801575-06 MCLP18113 1.07	3.10e3	44.0	YES
3	3 13C3-PFHxS	1801575-06 MCLP18113 1.07	8.05e2	47.4	YES
4	4 13C8-PFOA	1801575-06 MCLP18113 1.07	3.87e3	47.3	YES
5	5 13C9-PFNA	1801575-06 MCLP18113 1.07	4.09e3	49.4	YES
6	6 13C4-PFOS	1801575-06 MCLP18113 1.07	9.93e2	53.9	NO
7	7 13C6-PFDA	1801575-06 MCLP18113 1.07	4.82e3	50.1	NO
8	8 13C7-PFUDa	1801575-06 MCLP18113 1.07	6.91e3	50.5	NO

Name: 180722M1_117, Date: 23-Jul-2018, Time: 12:34:54, ID: 1801575-07 MCLP18114 1.19, Description: MCLP18114

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-07 MCLP18114 1.19	1.83e3	34.6	YES
2	2 13C5-PFHxA	1801575-07 MCLP18114 1.19	2.46e3	34.9	YES
3	3 13C3-PFHxS	1801575-07 MCLP18114 1.19	7.83e2	46.1	YES
4	4 13C8-PFOA	1801575-07 MCLP18114 1.19	3.40e3	41.6	YES
5	5 13C9-PFNA	1801575-07 MCLP18114 1.19	3.54e3	42.8	YES
6	6 13C4-PFOS	1801575-07 MCLP18114 1.19	9.32e2	50.6	NO
7	7 13C6-PFDA	1801575-07 MCLP18114 1.19	4.23e3	44.0	YES
8	8 13C7-PFUDa	1801575-07 MCLP18114 1.19	5.89e3	43.0	YES

Name: 180722M1_118, Date: 23-Jul-2018, Time: 12:45:25, ID: 1801575-08 MCLP18122 1.05, Description: MCLP18122

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-08 MCLP18122 1.05	2.42e3	45.6	YES
2	2 13C5-PFHxA	1801575-08 MCLP18122 1.05	3.23e3	45.8	YES
3	3 13C3-PFHxS	1801575-08 MCLP18122 1.05	8.90e2	52.3	NO
4	4 13C8-PFOA	1801575-08 MCLP18122 1.05	4.11e3	50.3	NO
5	5 13C9-PFNA	1801575-08 MCLP18122 1.05	3.98e3	48.1	YES
6	6 13C4-PFOS	1801575-08 MCLP18122 1.05	9.91e2	53.9	NO
7	7 13C6-PFDA	1801575-08 MCLP18122 1.05	4.36e3	45.4	YES
8	8 13C7-PFUDa	1801575-08 MCLP18122 1.05	6.21e3	45.4	YES

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Name: 180722M1_119, Date: 23-Jul-2018, Time: 12:55:50, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_120, Date: 23-Jul-2018, Time: 13:06:20, ID: ST180722M1-18 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180722M1-18 PFC CS3 18G1915	5.39e3	101.6	NO
2	2	13C5-PFHxA	ST180722M1-18 PFC CS3 18G1915	7.45e3	105.6	NO
3	3	13C3-PFHxS	ST180722M1-18 PFC CS3 18G1915	1.69e3	99.6	NO
4	4	13C8-PFOA	ST180722M1-18 PFC CS3 18G1915	8.55e3	104.5	NO
5	5	13C9-PFNA	ST180722M1-18 PFC CS3 18G1915	8.43e3	101.9	NO
6	6	13C4-PFOS	ST180722M1-18 PFC CS3 18G1915	2.01e3	109.0	NO
7	7	13C6-PFDA	ST180722M1-18 PFC CS3 18G1915	9.96e3	103.6	NO
8	8	13C7-PFUDa	ST180722M1-18 PFC CS3 18G1915	1.35e4	98.9	NO

Name: 180722M1_121, Date: 23-Jul-2018, Time: 13:16:45, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180722M1_122, Date: 23-Jul-2018, Time: 13:27:15, ID: 1801575-09 MCLP18123 1.02, Description: MCLP18123

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801575-09 MCLP18123 1.02	2.34e3	44.1	YES
2	2	13C5-PFHxA	1801575-09 MCLP18123 1.02	3.20e3	45.3	YES
3	3	13C3-PFHxS	1801575-09 MCLP18123 1.02	8.64e2	50.8	NO
4	4	13C8-PFOA	1801575-09 MCLP18123 1.02	3.96e3	48.4	YES
5	5	13C9-PFNA	1801575-09 MCLP18123 1.02	4.07e3	49.2	YES
6	6	13C4-PFOS	1801575-09 MCLP18123 1.02	9.75e2	53.0	NO
7	7	13C6-PFDA	1801575-09 MCLP18123 1.02	4.56e3	47.5	YES
8	8	13C7-PFUDa	1801575-09 MCLP18123 1.02	6.66e3	48.7	YES

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\IIS.qld

Last Altered: Monday, July 23, 2018 14:45:13 Pacific Daylight Time

Printed: Monday, July 23, 2018 14:45:39 Pacific Daylight Time

Name: 180722M1_123, Date: 23-Jul-2018, Time: 13:40:19, ID: 1801575-10 MCLPCD196 1.06, Description: MCLPCD196

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-10 MCLPCD196 1.06	2.98e3	56.2	NO
2	2 13C5-PFHxA	1801575-10 MCLPCD196 1.06	4.07e3	57.7	NO
3	3 13C3-PFHxS	1801575-10 MCLPCD196 1.06	1.06e3	62.4	NO
4	4 13C8-PFOA	1801575-10 MCLPCD196 1.06	4.99e3	61.0	NO
5	5 13C9-PFNA	1801575-10 MCLPCD196 1.06	5.72e3	69.1	NO
6	6 13C4-PFOS	1801575-10 MCLPCD196 1.06	1.23e3	66.8	NO
7	7 13C6-PFDA	1801575-10 MCLPCD196 1.06	6.15e3	64.0	NO
8	8 13C7-PFUDa	1801575-10 MCLPCD196 1.06	8.96e3	65.5	NO

Name: 180722M1_124, Date: 23-Jul-2018, Time: 13:51:38, ID: 1801575-12 MCLPCD197 1.01, Description: MCLPCD197

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-12 MCLPCD197 1.01	2.14e3	40.3	YES
2	2 13C5-PFHxA	1801575-12 MCLPCD197 1.01	2.93e3	41.6	YES
3	3 13C3-PFHxS	1801575-12 MCLPCD197 1.01	8.07e2	47.5	YES
4	4 13C8-PFOA	1801575-12 MCLPCD197 1.01	3.48e3	42.5	YES
5	5 13C9-PFNA	1801575-12 MCLPCD197 1.01	3.94e3	47.6	YES
6	6 13C4-PFOS	1801575-12 MCLPCD197 1.01	9.29e2	50.5	NO
7	7 13C6-PFDA	1801575-12 MCLPCD197 1.01	4.49e3	46.8	YES
8	8 13C7-PFUDa	1801575-12 MCLPCD197 1.01	6.37e3	46.5	YES

Name: 180722M1_125, Date: 23-Jul-2018, Time: 14:02:03, ID: 1801575-14 MCLPXX359 1.14, Description: MCLPXX359

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801575-14 MCLPXX359 1.14	2.50e3	47.0	YES
2	2 13C5-PFHxA	1801575-14 MCLPXX359 1.14	3.20e3	45.4	YES
3	3 13C3-PFHxS	1801575-14 MCLPXX359 1.14	7.84e2	46.1	YES
4	4 13C8-PFOA	1801575-14 MCLPXX359 1.14	3.95e3	48.3	YES
5	5 13C9-PFNA	1801575-14 MCLPXX359 1.14	3.54e3	42.8	YES
6	6 13C4-PFOS	1801575-14 MCLPXX359 1.14	9.38e2	51.0	NO
7	7 13C6-PFDA	1801575-14 MCLPXX359 1.14	4.42e3	46.0	YES
8	8 13C7-PFUDa	1801575-14 MCLPXX359 1.14	6.21e3	45.4	YES

Name: 180722M1_126, Date: 23-Jul-2018, Time: 14:12:34, ID: 1801278-02RE1@10X HS-SB-129- (7-8) 1.1, Description: HS-SB-129- (7-8)

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801278-02RE1@10X HS-SB-129- (7-8...	3.82e2	7.2	YES
2	2 13C5-PFHxA	1801278-02RE1@10X HS-SB-129- (7-8...	4.00e2	5.7	YES
3	3 13C3-PFHxS	1801278-02RE1@10X HS-SB-129- (7-8...	9.19e1	5.4	YES
4	4 13C8-PFOA	1801278-02RE1@10X HS-SB-129- (7-8...	4.54e2	5.5	YES
5	5 13C9-PFNA	1801278-02RE1@10X HS-SB-129- (7-8...	4.39e2	5.3	YES
6	6 13C4-PFOS	1801278-02RE1@10X HS-SB-129- (7-8...	1.21e2	6.6	YES
7	7 13C6-PFDA	1801278-02RE1@10X HS-SB-129- (7-8...	6.26e2	6.5	YES
8	8 13C7-PFUDa	1801278-02RE1@10X HS-SB-129- (7-8...	8.40e2	6.1	YES

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\IIS.qld

Last Altered: Monday, July 23, 2018 14:45:13 Pacific Daylight Time

Printed: Monday, July 23, 2018 14:45:39 Pacific Daylight Time

Name: 180722M1_127, Date: 23-Jul-2018, Time: 14:22:59, ID: ST180722M1-19 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180722M1-19 PFC CS3 18G1915	4.90e3	92.4	NO
2	2 13C5-PFHxA	ST180722M1-19 PFC CS3 18G1915	7.12e3	101.0	NO
3	3 13C3-PFHxS	ST180722M1-19 PFC CS3 18G1915	1.58e3	93.1	NO
4	4 13C8-PFOA	ST180722M1-19 PFC CS3 18G1915	8.07e3	98.6	NO
5	5 13C9-PFNA	ST180722M1-19 PFC CS3 18G1915	7.85e3	94.9	NO
6	6 13C4-PFOS	ST180722M1-19 PFC CS3 18G1915	1.98e3	107.7	NO
7	7 13C6-PFDA	ST180722M1-19 PFC CS3 18G1915	9.13e3	95.0	NO
8	8 13C7-PFUDa	ST180722M1-19 PFC CS3 18G1915	1.28e4	93.8	NO

Vista Analytical Laboratory

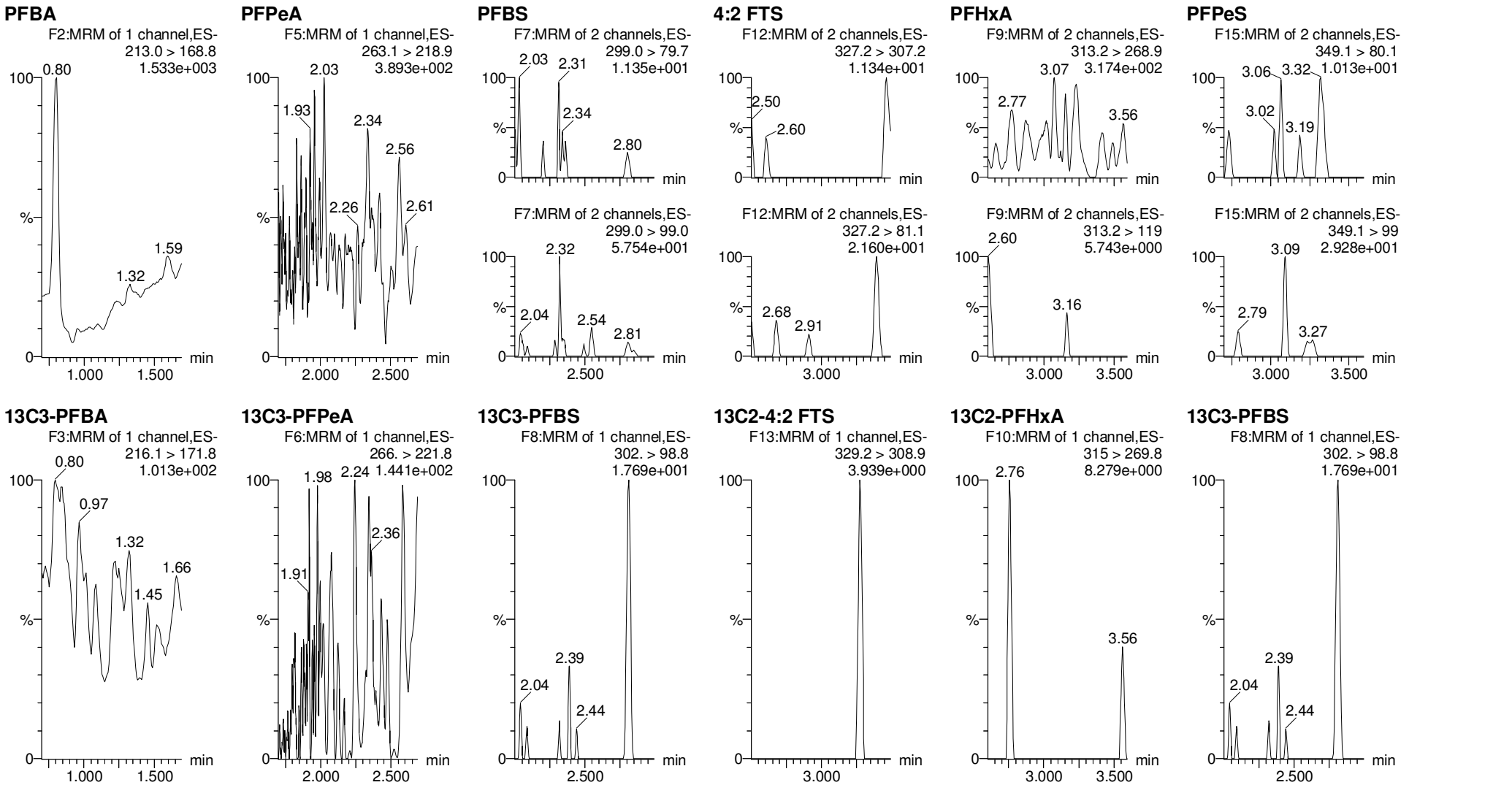
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Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA

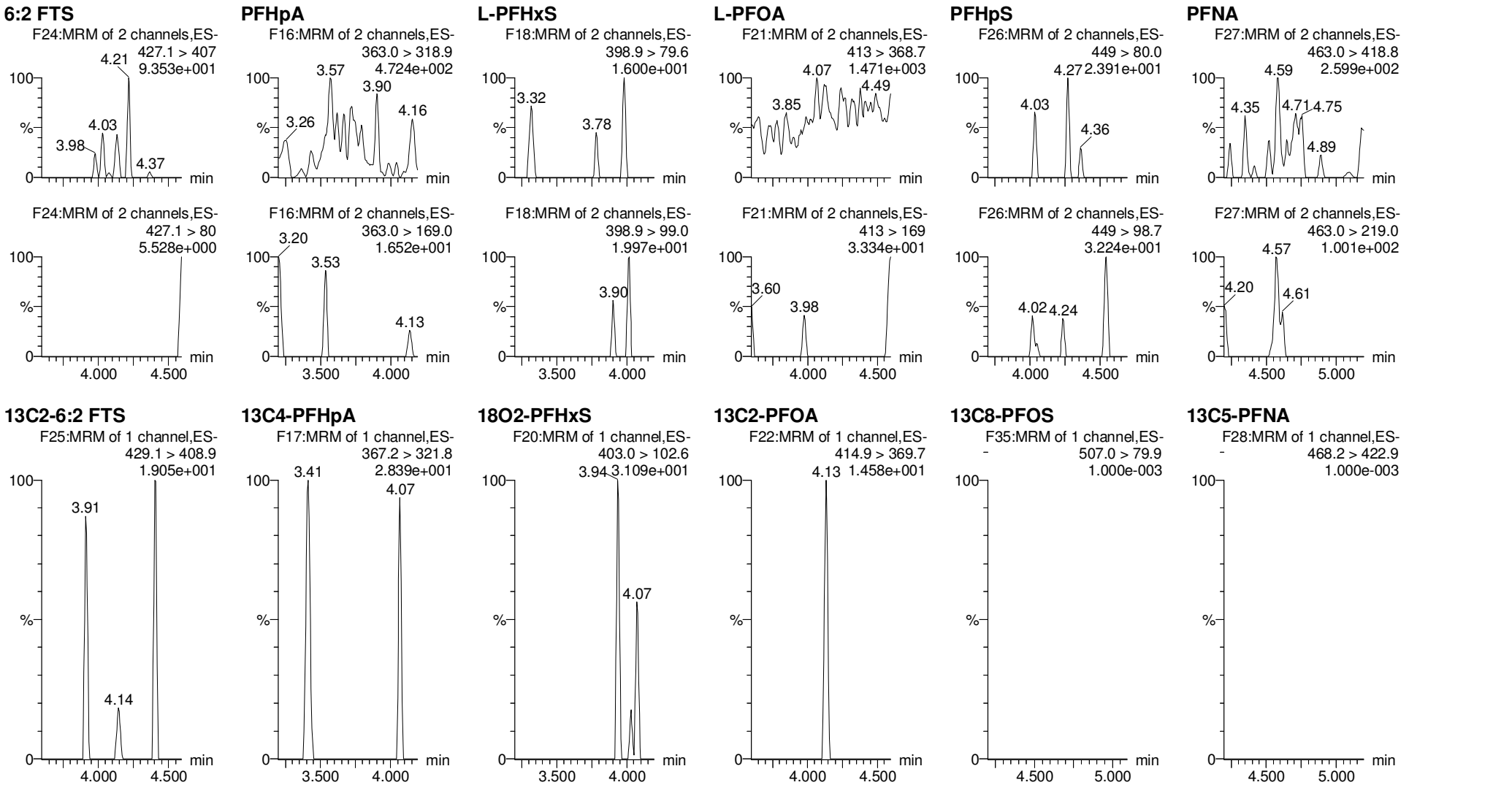


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Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time
Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

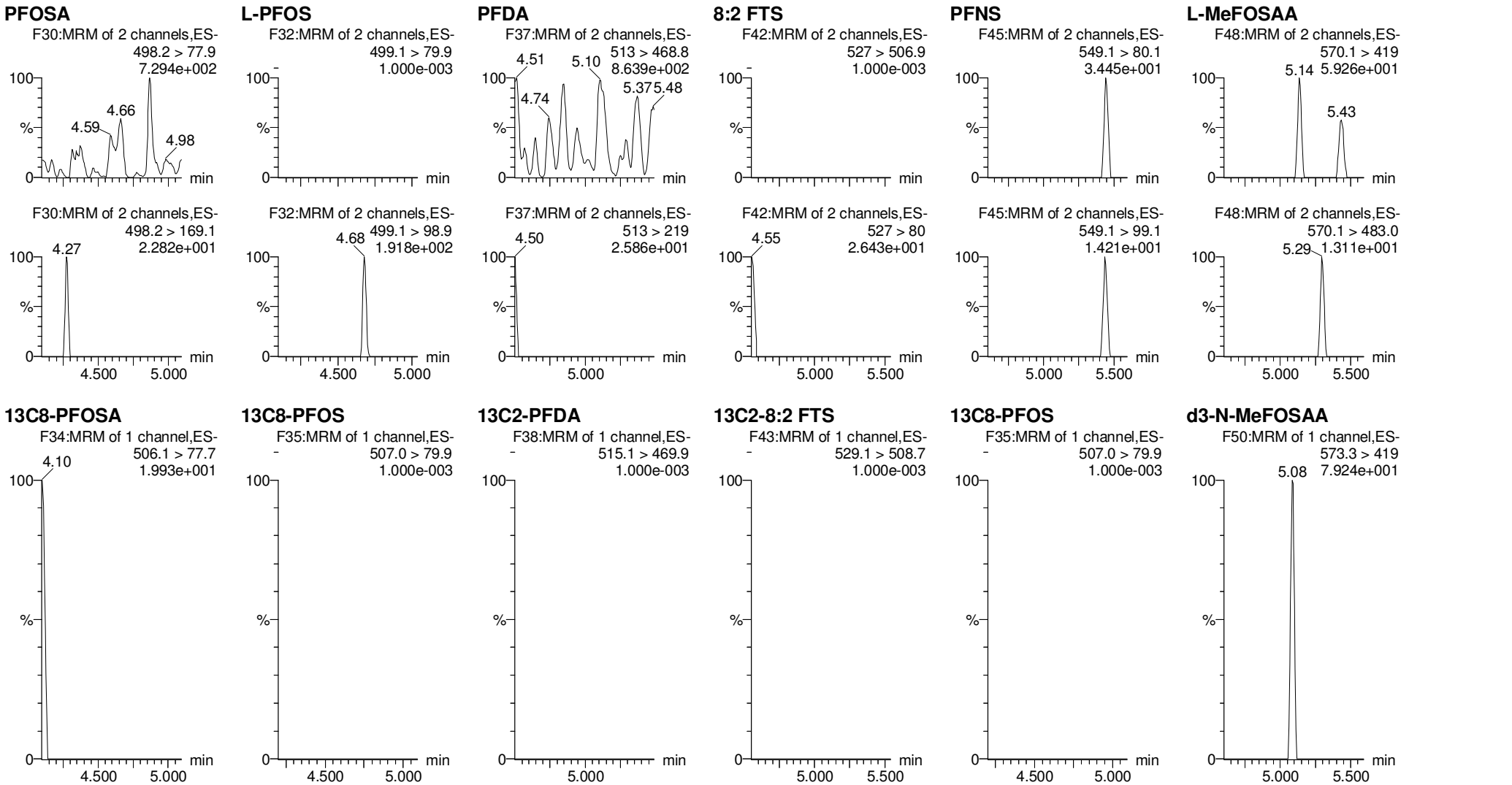
Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time
Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



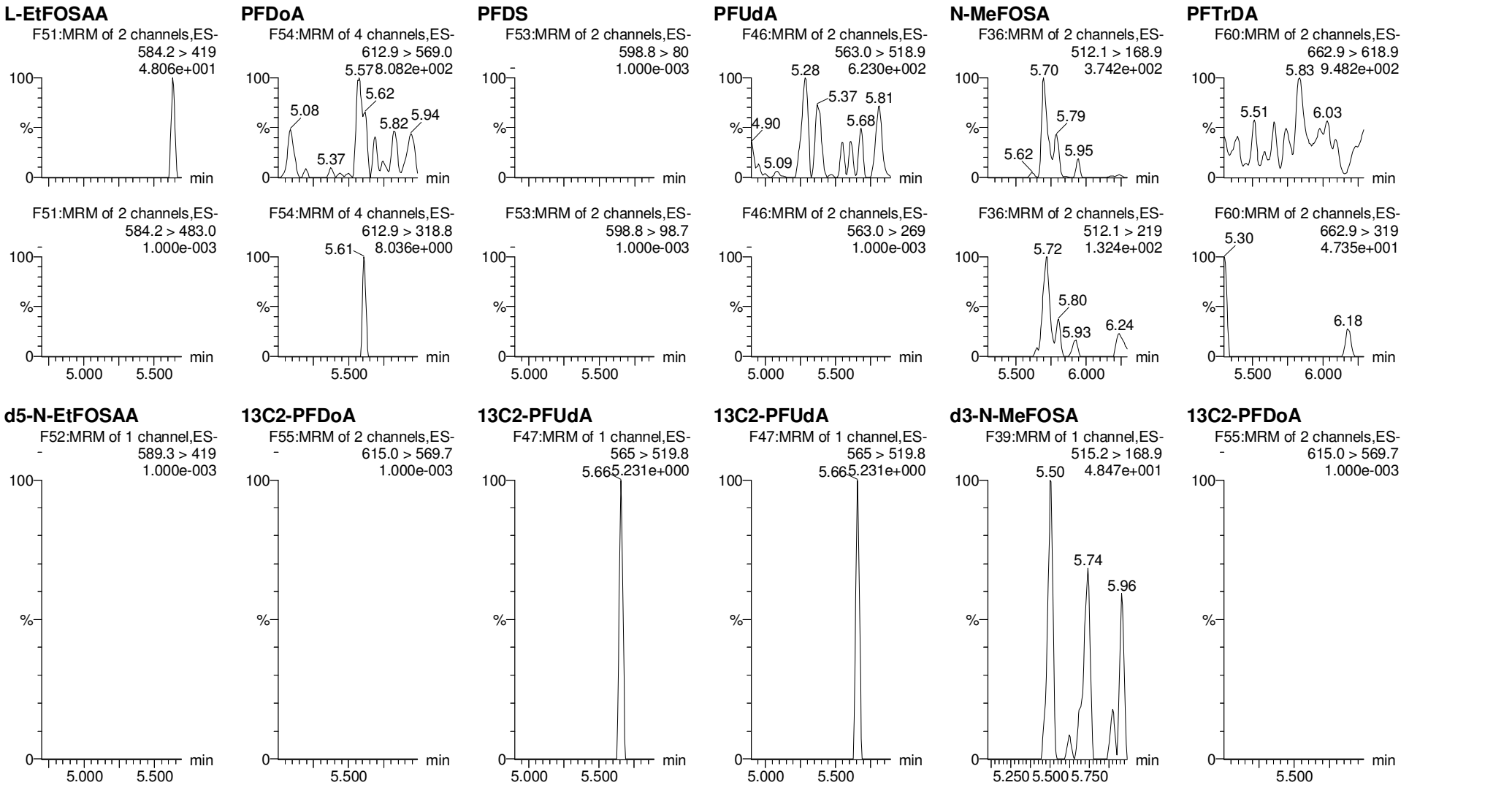
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA

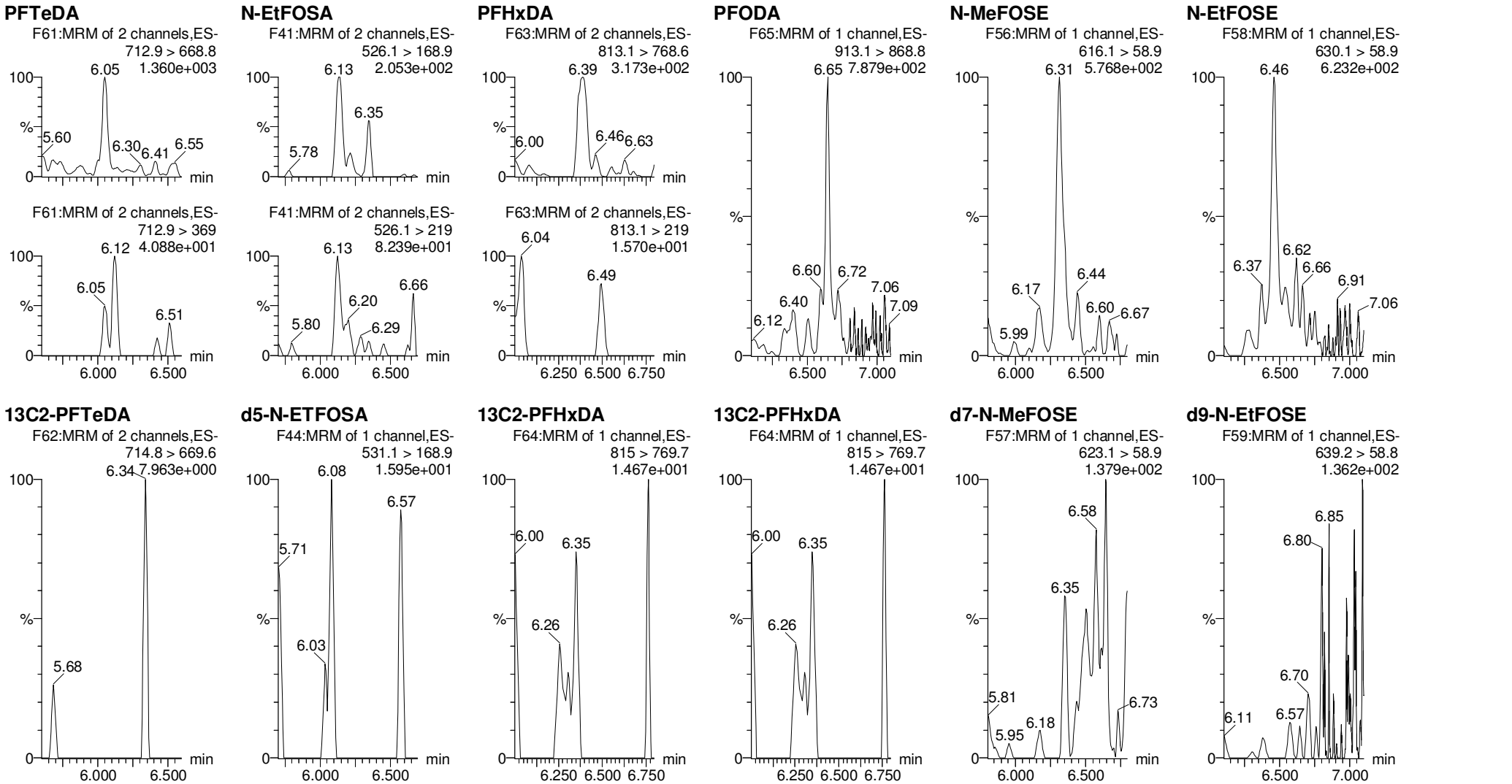


Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time
Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA

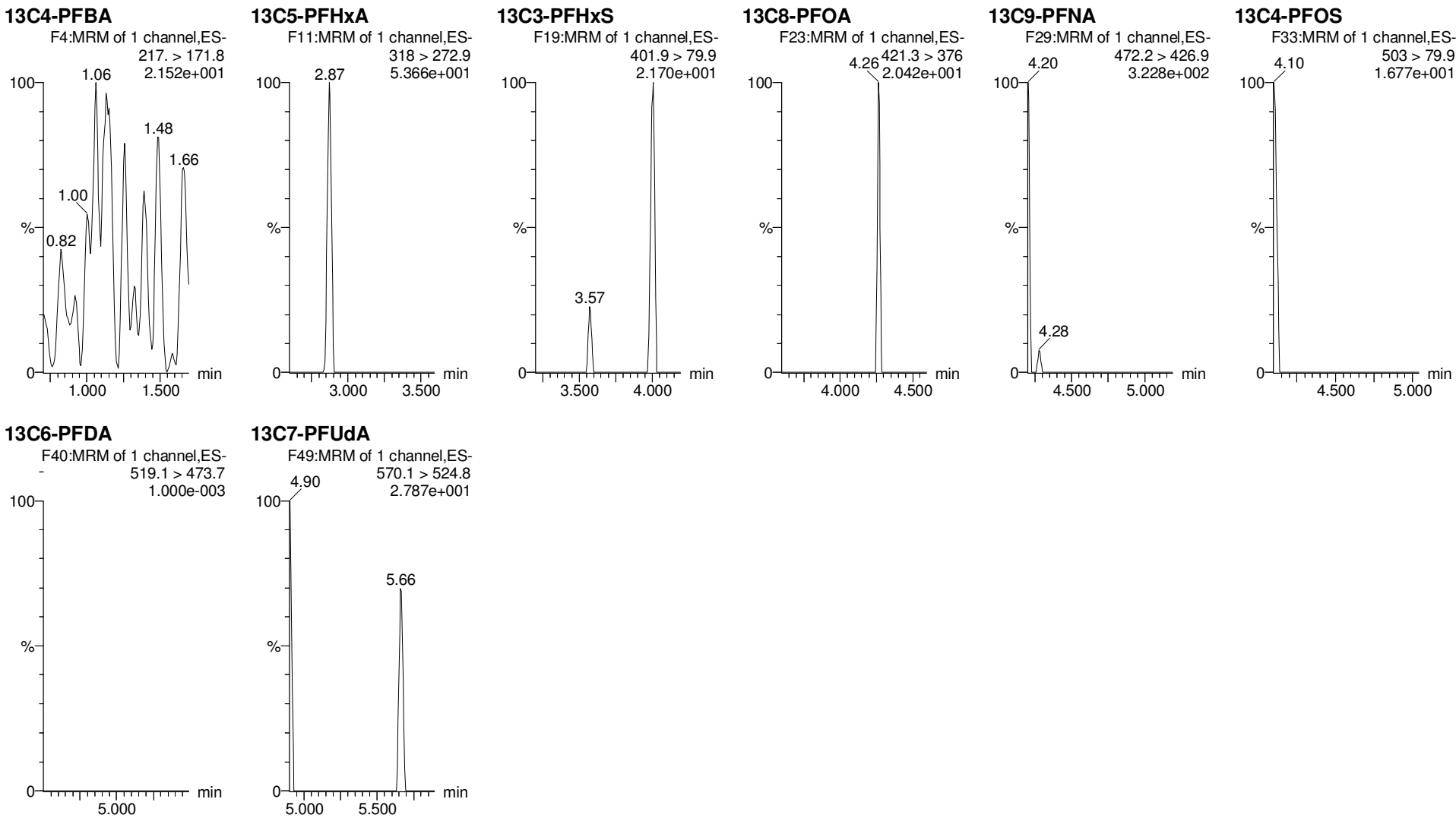


Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



LC Calibration Standards Review Checklist

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Calibration ID:	entry error ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
51190722M1-11 LMH	entry error An 7/23/18	☐	☐	☐	☐	☐	☐
-12 LMH	☐	☐	☐	☐	☐	☐	☐
-13 LMH	☐	☐	☐	☐	☐	☐	☐
-14 LMH	☐	☐	☐	☐	☐	☐	☐
-15 LMH	☐	☐	☐	☐	☐	☐	☐
76 LMH	☐	☐	☐	☐	☐	☐	☐
-17 LMH	☐	☐	☐	☐	☐	☐	☐
LMH	☐	☐	☐	☐	☐	☐	☐
LMH	☐	☐	☐	☐	☐	☐	☐
LMH	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 7/20/18

Run Log Present: ☐

of Samples per Sequence Checked: ☐

Instrument Blank Saved: ☐

IIS Area Saved: ☐

Reviewed By: AN 7/23/18

Initials/Date

Comments:

① PE#XDA > 130% An 7/23/18

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-11.qld

Last Altered: Monday, July 23, 2018 11:16:46 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:17:29 Pacific Daylight Time

Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	4567.750	4901.067	1.00	1.16	11.650	10.0	100.3	NO		
2	2 PFPeA	263.1 > 218.9	6201.695	7913.002	1.00	2.16	9.797	10.0	99.8	NO		
3	3 PFBS	299.0 > 79.7	1530.673	928.537	1.00	2.46	20.606	10.3	103.0	NO	3.079	NO
4	4 4:2 FTS	327.2>307.2	1217.287	1456.504	1.00	2.89	10.447	9.7	97.4	NO	1.787	NO
5	5 PFHxA	313.2 > 268.9	7612.075	2248.095	1.00	2.97	16.930	9.8	97.5	NO	168.966	NO
6	6 PFPeS	349.1>80.1	1291.088	928.537	1.00	3.18	17.381	10.3	102.6	NO	1.664	NO
7	36 13C3-PFBA	216.1 > 171.8	4901.067	5557.076	1.00	1.16	11.024	12.1	96.6	NO		
8	37 13C3-PFPeA	266. > 221.8	7913.002	7881.856	1.00	2.16	12.549	12.5	99.7	NO		
9	38 13C3-PFBS	302. > 98.8	928.537	7881.856	1.00	2.46	1.473	12.0	96.3	NO		
10	39 13C2-4:2 FTS	329.2>308.9	1456.504	7881.856	1.00	2.89	2.310	12.7	101.7	NO		
11	40 13C2-PFHxA	315 > 269.8	2248.095	7881.856	1.00	2.97	3.565	4.9	97.1	NO		
12	38 13C3-PFBS	302. > 98.8	928.537	7881.856	1.00	2.46	1.473	12.0	96.3	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	1280.701	1239.892	1.00	4.06	12.911	11.5	114.7	NO	3.386	NO
15	7 PFHpA	363.0 > 318.9	5785.159	6532.191	1.00	3.59	11.070	9.8	97.7	NO	13.299	NO
16	8 L-PFHxS	398.9 > 79.6	1249.413	873.442	1.00	3.75	17.881	10.6	106.4	NO	2.113	NO
17	11 L-PFOA	413 > 368.7	7428.280	9238.361	1.00	4.13	10.051	9.7	96.9	NO	3.931	NO
18	13 PFHpS	449 > 80.0	1533.983	2320.584	1.00	4.24	8.263	9.6	96.0	NO	1.796	NO
19	14 PFNA	463.0 > 418.8	8457.696	9438.499	1.00	4.57	11.201	9.1	91.3	NO	4.128	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	1239.892	8693.139	1.00	4.07	1.783	11.1	88.8	NO		
21	41 13C4-PFHpA	367.2 > 321.8	6532.191	7881.856	1.00	3.59	10.360	12.4	99.1	NO		
22	42 18O2-PFHxS	403.0 > 102.6	873.442	1810.970	1.00	3.75	6.029	12.4	99.3	NO		
23	44 13C2-PFOA	414.9 > 369.7	9238.361	8693.139	1.00	4.13	13.284	13.0	103.8	NO		
24	47 13C8-PFOS	507.0 > 79.9	2320.584	2044.165	1.00	4.66	14.190	13.1	104.8	NO		
25	45 13C5-PFNA	468.2 > 422.9	9438.499	9595.955	1.00	4.57	12.295	12.7	101.6	NO		
26	-1											
27	15 PFOSA	498.2 > 77.9	3330.711	4386.799	1.00	4.63	9.491	10.7	107.0	NO	46.830	NO
28	16 L-PFOS	499.1 > 79.9	1662.103	2320.584	1.00	4.66	8.953	9.7	97.0	NO	1.906	NO
29	18 PFDA	513 > 468.8	10719.310	10093.680	1.00	4.95	13.275	9.9	98.8	NO	5.710	NO
30	19 8:2 FTS	527 > 506.9	1487.759	1481.103	1.00	4.92	12.556	9.0	90.0	NO	2.052	NO
31	20 PFNS	549.1>80.1	1338.327	2320.584	1.00	5.02	7.209	8.8	87.8	NO	1.642	NO
32	21 L-MeFOSAA	570.1 > 419	3114.417	3415.936	1.00	5.11	11.397	9.4	93.6	NO	26.239	YES
33	46 13C8-PFOSA	506.1 > 77.7	4386.799	14152.836	1.00	4.63	3.874	13.8	110.4	NO		
34	47 13C8-PFOS	507.0 > 79.9	2320.584	2044.165	1.00	4.66	14.190	13.1	104.8	NO		

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Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-11.qld

Last Altered: Monday, July 23, 2018 11:16:46 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:17:29 Pacific Daylight Time

Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	10093.680	10759.776	1.00	4.95	11.726	12.9	102.9	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1481.103	7881.856	1.00	4.92	2.349	13.8	110.3	NO		
37	47 13C8-PFOS	507.0 > 79.9	2320.584	2044.165	1.00	4.66	14.190	13.1	104.8	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3415.936	14152.836	1.00	5.10	3.017	13.3	106.1	NO		
39	-1											
40	23 L-EtFOSAA	584.2 > 419	2563.065	3687.358	1.00	5.27	8.689	9.8	98.4	NO	24.682	NO
41	27 PFDoA	612.9 > 569.0	13122.771	12823.855	1.00	5.57	12.791	10.2	102.5	NO	8.263	NO
42	26 PFDS	598.8 > 80	1841.758	13641.497	1.00	5.33	1.688	10.2	102.4	NO	2.041	NO
43	25 PFUdA	563.0 > 518.9	9895.760	13641.497	1.00	5.28	9.068	9.0	90.2	NO	11.215	NO
44	28 N-MeFOSA	512.1 > 168.9	5246.502	14860.042	1.00	5.69	52.959	52.8	105.6	NO	1.439	NO
45	29 PFTTrDA	662.9 > 618.9	13434.662	12823.855	1.00	5.82	13.095	10.5	105.0	NO	27.870	NO
46	51 d5-N-EtFOSAA	589.3 > 419	3687.358	14152.836	1.00	5.26	3.257	13.2	106.0	NO		
47	53 13C2-PFDoA	615.0 > 569.7	12823.855	10759.776	1.00	5.57	14.898	11.8	94.5	NO		
48	52 13C2-PFUdA	565 > 519.8	13641.497	14152.836	1.00	5.28	12.048	13.1	104.6	NO		
49	52 13C2-PFUdA	565 > 519.8	13641.497	14152.836	1.00	5.28	12.048	13.1	104.6	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	14860.042	14152.836	1.00	5.72	13.125	151.0	100.6	NO		
51	53 13C2-PFDoA	615.0 > 569.7	12823.855	10759.776	1.00	5.57	14.898	11.8	94.5	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	10513.983	7461.177	1.00	6.04	17.614	10.6	106.5	NO	11.826	NO
54	31 N-EtFOSA	526.1 > 168.9	5585.405	18446.604	1.00	6.13	45.418	53.9	107.8	NO	1.498	NO
55	32 PFHxDA	813.1 > 768.6	5277.961	5030.063	1.00	6.39	5.246	9.6	96.4	NO	23.566	NO
56	33 PFODA	913.1 > 868.8	8669.395	5030.063	1.00	6.63	8.618	9.3	93.4	NO		
57	34 N-MeFOSE	616.1 > 58.9	5585.188	16547.111	1.00	6.31	50.630	52.8	105.7	NO		
58	35 N-EtFOSE	630.1 > 58.9	6528.809	18273.582	1.00	6.46	53.592	48.7	97.4	NO		
59	55 13C2-PFTeDA	714.8 > 669.6	7461.177	14152.836	1.00	6.04	6.590	12.2	97.4	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	18446.604	14152.836	1.00	6.15	16.292	162.0	108.0	NO		
61	57 13C2-PFHxDA	815 > 769.7	5030.063	14152.836	1.00	6.39	4.443	5.0	99.4	NO		
62	57 13C2-PFHxDA	815 > 769.7	5030.063	14152.836	1.00	6.39	4.443	5.0	99.4	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	16547.111	14152.836	1.00	6.30	14.615	153.1	102.1	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	18273.582	14152.836	1.00	6.45	16.140	164.5	109.6	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	5557.076	5557.076	1.00	1.16	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	7881.856	7881.856	1.00	2.97	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1810.970	1810.970	1.00	3.75	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-11.qld

Last Altered: Monday, July 23, 2018 11:16:46 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:17:29 Pacific Daylight Time

Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	8693.139	8693.139	1.00	4.13	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	9595.955	9595.955	1.00	4.57	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	2044.165	2044.165	1.00	4.66	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	10759.776	10759.776	1.00	4.95	12.500	12.5	100.0		NO	
73	67 13C7-PFUDa	570.1 > 524.8	14152.836	14152.836	1.00	5.28	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Compound name: PFBA

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1	1 180722M1_1	IPA	22-Jul-18	16:15:55
2	2 180722M1_2	ST180722M1-1 PFC CS-2 18G1910	22-Jul-18	16:26:28
3	3 180722M1_3	ST180722M1-2 PFC CS-1 18G1911	22-Jul-18	16:36:58
4	4 180722M1_4	ST180722M1-3 PFC CS0 18G1912	22-Jul-18	16:52:46
5	5 180722M1_5	ST180722M1-4 PFC CS1 18G1913	22-Jul-18	17:03:11
6	6 180722M1_6	ST180722M1-5 PFC CS2 18G1914	22-Jul-18	17:13:42
7	7 180722M1_7	ST180722M1-6 PFC CS3 18G1915	22-Jul-18	17:24:07
8	8 180722M1_8	ST180722M1-7 PFC CS4 18G1916	22-Jul-18	17:34:37
9	9 180722M1_9	ST180722M1-8 PFC CS5 18G1917	22-Jul-18	17:45:02
10	10 180722M1_10	ST180722M1-9 PFC CS6 18G1918	22-Jul-18	17:55:32
11	11 180722M1_11	ST180722M1-10 PFC CS7 18G1919	22-Jul-18	18:05:57
12	12 180722M1_12	IPA	22-Jul-18	18:16:27
13	13 180722M1_13	ICV180722M1-1 PFC 537 ICV 18G1920	22-Jul-18	18:26:51
14	14 180722M1_14	IPA	22-Jul-18	18:37:21
15	15 180722M1_15	1801549-03 MCLPCD155 1.06	22-Jul-18	18:47:52
16	16 180722M1_16	1801549-04 MCLPCD156 1.03	22-Jul-18	18:58:16
17	17 180722M1_17	1801549-05 MCLPCD158 1.1	22-Jul-18	19:08:47
18	18 180722M1_18	1801549-06 MCLPCD379 1.08	22-Jul-18	19:19:17
19	19 180722M1_19	1801549-07 MCLPCD159 1.02	22-Jul-18	19:29:42
20	20 180722M1_20	1801549-08 MCLPCD170 1.1	22-Jul-18	19:40:12
21	21 180722M1_21	1801549-09 MCLPCD171 1.02	22-Jul-18	19:50:37
22	22 180722M1_22	1801549-10 MCLPCD176 1.06	22-Jul-18	20:01:07
23	23 180722M1_23	1801549-11 MCLPCD177 1.06	22-Jul-18	20:11:29
24	24 180722M1_24	1801549-12 MCLPCD179 1.1	22-Jul-18	20:21:59
25	25 180722M1_25	IPA	22-Jul-18	20:32:24
26	26 180722M1_26	ST180722M1-11 PFC CS3 18G1915	22-Jul-18	20:42:54
27	27 180722M1_27	IPA	22-Jul-18	20:53:25
28	28 180722M1_28	1801549-13 MCLPCD180 1.04	22-Jul-18	21:03:49
29	29 180722M1_29	1801549-14 MCLPCD173 1.07	22-Jul-18	21:14:19
30	30 180722M1_30	1801549-15 MCLPCD174 1.12	22-Jul-18	21:24:44
31	31 180722M1_31	1801549-16 MCLPCD380 1.02	22-Jul-18	21:35:15
32	32 180722M1_32	B8G0119-BS1 OPR 0.25	22-Jul-18	21:45:45

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Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Compound name: PFBA

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34	34 180722M1_34	B8G0119-MS1 Matrix Spike 0.12023	22-Jul-18	22:06:40
35	35 180722M1_35	B8G0119-MSD1 Matrix Spike Dup 0.121...	22-Jul-18	22:17:05
36	36 180722M1_36	1801547-01RE1 REEPDW1192 0.1186	22-Jul-18	22:27:35
37	37 180722M1_37	1801547-02RE1 REEPDW1193 0.11988	22-Jul-18	22:38:01
38	38 180722M1_38	1801548-01RE1 REEPDW1192FRB 0....	22-Jul-18	22:48:32
39	39 180722M1_39	1801548-02RE1 REEPDW1193FRB 0....	22-Jul-18	22:59:02
40	40 180722M1_40	1801599-01RE1 REEPDW1199 0.1219	22-Jul-18	23:09:27
41	41 180722M1_41	1801600-01RE1 REEPDW1199FRB 0....	22-Jul-18	23:19:57
42	42 180722M1_42	1801623-01RE1 SP-NorthINF-2018070...	22-Jul-18	23:30:22
43	43 180722M1_43	1801623-02RE1 SP-NorthEFF-2018070...	22-Jul-18	23:40:52
44	44 180722M1_44	1801623-03RE1 SP-SouthINF-2018070...	22-Jul-18	23:51:22
45	45 180722M1_45	IPA	23-Jul-18	00:01:47
46	46 180722M1_46	ST180722M1-12 PFC CS3 18G1915	23-Jul-18	00:12:17
47	47 180722M1_47	IPA	23-Jul-18	00:22:42
48	48 180722M1_48	1801623-04RE1 SP-SouthEFF-201807...	23-Jul-18	00:33:12
49	49 180722M1_49	1801679-01 REEPDW1203 0.11975	23-Jul-18	00:43:37
50	50 180722M1_50	1801679-02 REEPDW1204 0.12197	23-Jul-18	00:54:07
51	51 180722M1_51	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:04:32
52	52 180722M1_52	1801679-04 REEPDW569 0.12359	23-Jul-18	01:15:02
53	53 180722M1_53	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:25:26
54	54 180722M1_54	1801679-04 REEPDW569 0.12359	23-Jul-18	01:35:57
55	55 180722M1_55	1801506-06 MCLPCF243 1.19	23-Jul-18	01:46:22
56	56 180722M1_56	1801506-07 MCLPCF389 1.09	23-Jul-18	01:56:52
57	57 180722M1_57	1801506-08 MCLPCF224 1	23-Jul-18	02:07:17
58	58 180722M1_58	IPA	23-Jul-18	02:17:47
59	59 180722M1_59	ST180722M1-13 PFC CS3 18G1915	23-Jul-18	02:28:12
60	60 180722M1_60	IPA	23-Jul-18	02:38:42
61	61 180722M1_61	1801506-09 MCLPCF225 1.04	23-Jul-18	02:49:07
62	62 180722M1_62	1801506-10 MCLPCF227 1.03	23-Jul-18	02:59:37
63	63 180722M1_63	1801506-11 MCLPCF387 1.01	23-Jul-18	03:10:02
64	64 180722M1_64	1801506-12 MCLPCF228 1.04	23-Jul-18	03:20:32
65	65 180722M1_65	1801506-13 MCLPCF244 1.07	23-Jul-18	03:30:57
66	66 180722M1_66	1801506-14 MCLPCF245 1.03	23-Jul-18	03:41:27
67	67 180722M1_67	1801506-15 MCLPCF246 1.07	23-Jul-18	03:51:53
68	68 180722M1_68	1801680-03 REEPDW1200FRB 0.1201	23-Jul-18	04:02:23

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Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Compound name: PFBA

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70	70 180722M1_70	B8G0023-MS1 Matrix Spike 1.05	23-Jul-18	04:23:18
71	71 180722M1_71	IPA	23-Jul-18	04:33:42
72	72 180722M1_72	ST180722M1-14 PFC CS3 18G1915	23-Jul-18	04:44:13
73	73 180722M1_73	ST180722M1-15 PFC CS0 18G1912	23-Jul-18	04:54:38
74	74 180722M1_74	IPA	23-Jul-18	05:05:08
75	75 180722M1_75	1801714-01 REEPDW1202 0.11396	23-Jul-18	05:15:33
76	76 180722M1_76	1801714-04 REEPDW1207 0.11431	23-Jul-18	05:26:03
77	77 180722M1_77	1801714-05 REEPDW1201 0.11586	23-Jul-18	05:36:28
78	78 180722M1_78	1801506-04 MCLPCF256 1.04	23-Jul-18	05:46:59
79	79 180722M1_79	1801506-05 MCLPCF242 1.14	23-Jul-18	05:57:23
80	80 180722M1_80	B8G0053-BS1 OPR 1	23-Jul-18	06:07:54
81	81 180722M1_81	B8G0053-BLK1 Method Blank 1	23-Jul-18	06:18:24
82	82 180722M1_82	B8G0053-MS1 Matrix Spike 1.1	23-Jul-18	06:28:49
83	83 180722M1_83	B8G0053-MSD1 Matrix Spike Dup 1.12	23-Jul-18	06:39:19
84	84 180722M1_84	1801566-01 MCLPCD172 1.19	23-Jul-18	06:49:49
85	85 180722M1_85	1801566-02 MCLPCA027 1.15	23-Jul-18	07:00:14
86	86 180722M1_86	1801566-03 MCLPCA021 1.06	23-Jul-18	07:10:45
87	87 180722M1_87	1801566-04 MCLPCA365 1.04	23-Jul-18	07:21:15
88	88 180722M1_88	1801566-05 MCLPCA024 1.13	23-Jul-18	07:31:40
89	89 180722M1_89	IPA	23-Jul-18	07:42:11
90	90 180722M1_90	ST180722M1-16 PFC CS3 18G1915	23-Jul-18	07:52:35
91	91 180722M1_91	IPA	23-Jul-18	08:03:06
92	92 180722M1_92	1801566-06 MCLP18115 1.05	23-Jul-18	08:13:31
93	93 180722M1_93	1801566-07 MCLPSB080 1.24	23-Jul-18	08:24:01
94	94 180722M1_94	1801566-08 MCLPCC081 1.23	23-Jul-18	08:34:26
95	95 180722M1_95	1801566-09 MCLPCC089 1.16	23-Jul-18	08:44:56
96	96 180722M1_96	1801566-10 MCLPCC090 1.29	23-Jul-18	08:55:21
97	97 180722M1_97	1801566-11 MCLPCC086 1.17	23-Jul-18	09:05:51
98	98 180722M1_98	1801566-12 MCLPCC087 1.15	23-Jul-18	09:16:16
99	99 180722M1_99	1801566-13 MCLPCC083 1.2	23-Jul-18	09:26:47
100	1... 180722M1_100	1801566-14 MCLPCC084 1.15	23-Jul-18	09:37:12
101	1... 180722M1_101	1801566-15 MCLPCC092 1.16	23-Jul-18	09:47:42
102	1... 180722M1_102	IPA	23-Jul-18	09:58:07
103	1... 180722M1_103	ST180722M1-17 PFC CS3 18G1915	23-Jul-18	10:08:38
104	1... 180722M1_104	IPA	23-Jul-18	10:19:02

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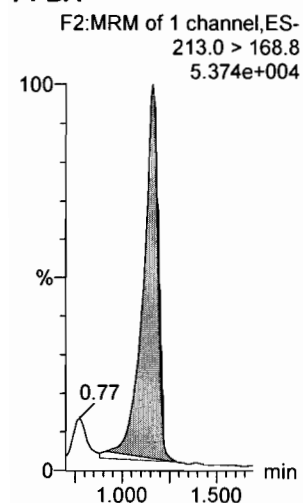
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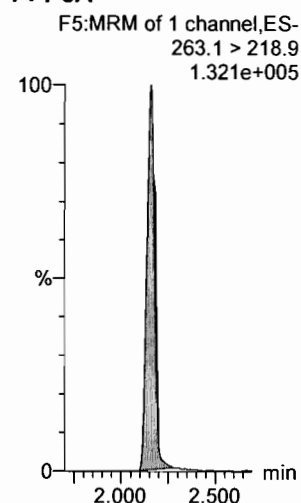
Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

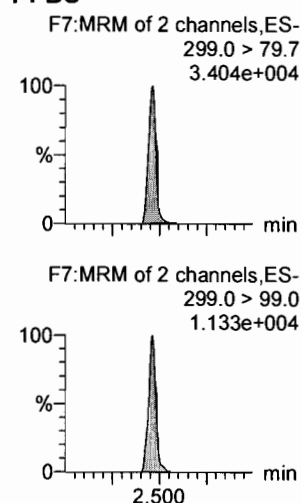
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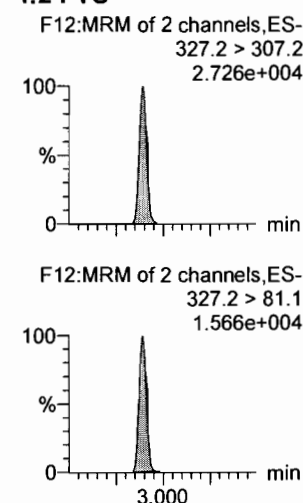
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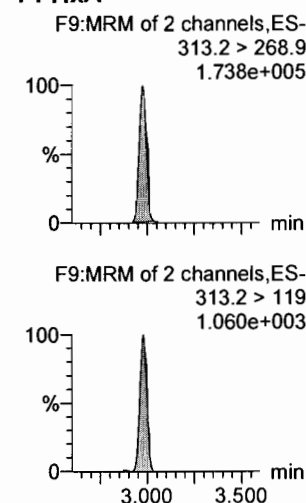
PFBS



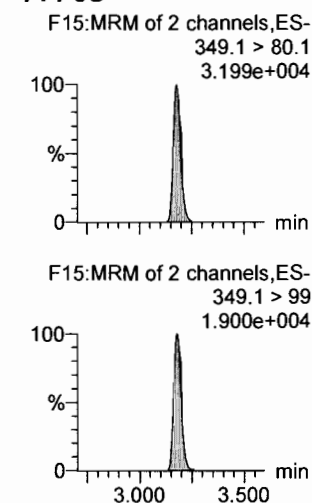
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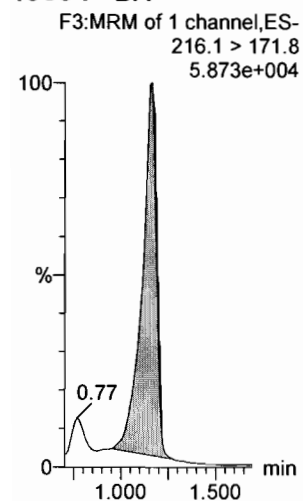
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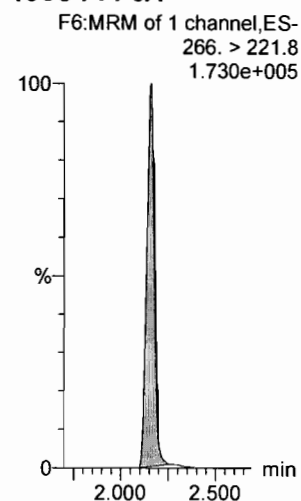
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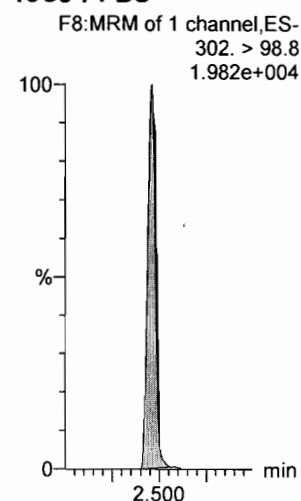
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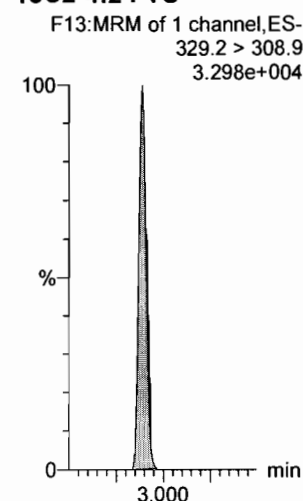
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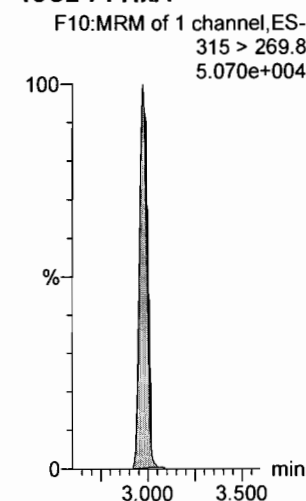
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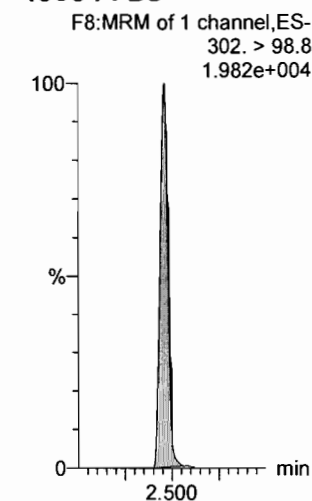
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



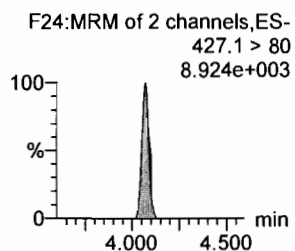
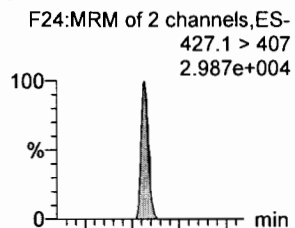
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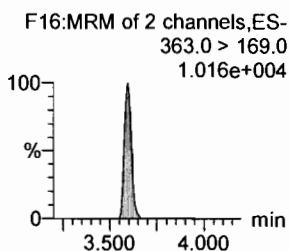
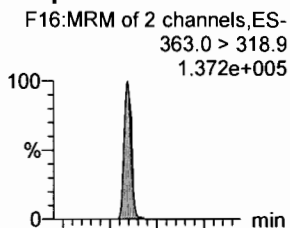
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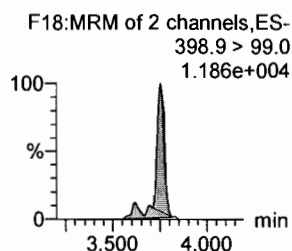
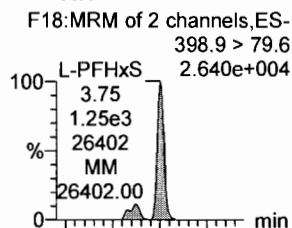
6:2 FTS



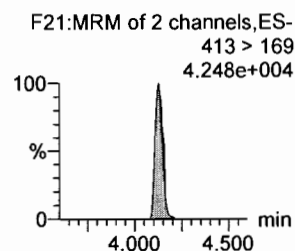
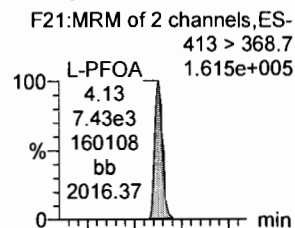
PFHpA



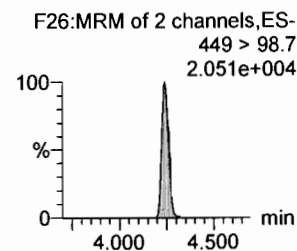
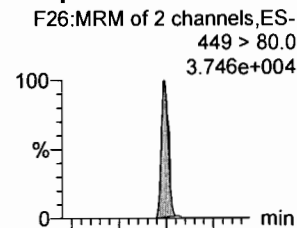
L-PFHxS



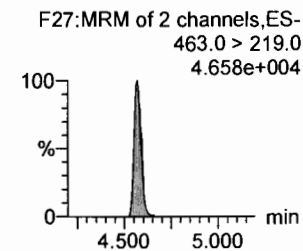
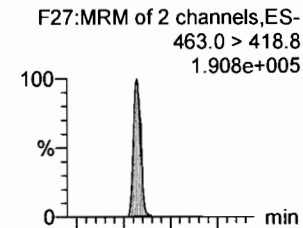
L-PFOA



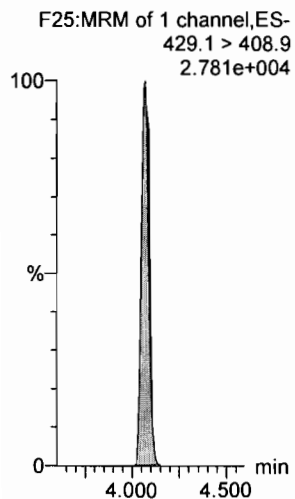
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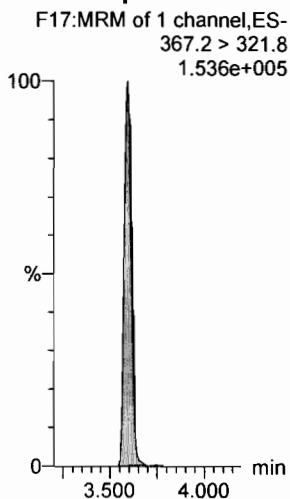
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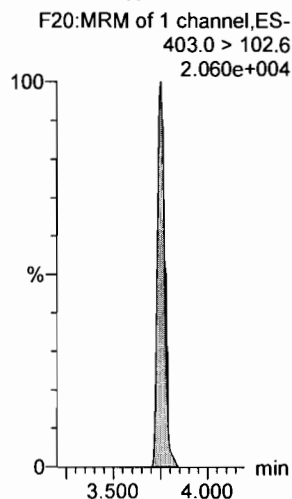
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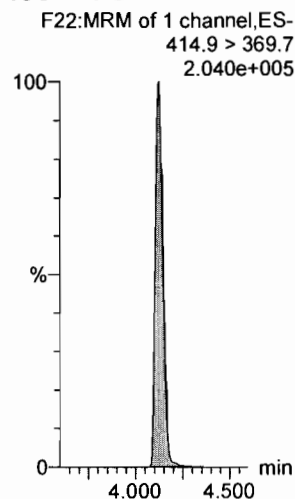
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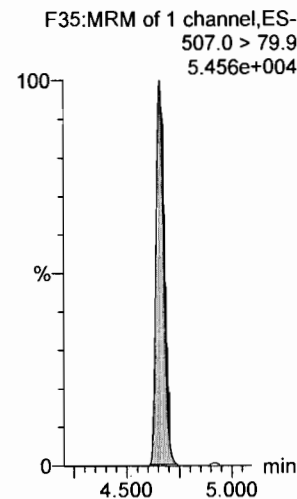
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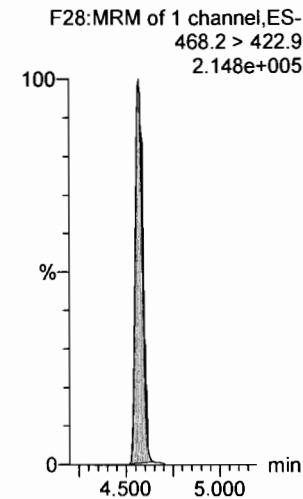
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13C8-PFOS



13C5-PFNA



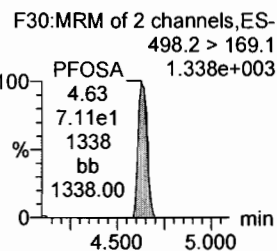
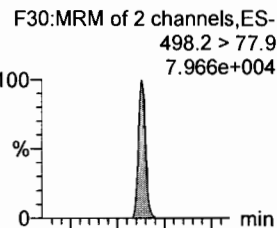
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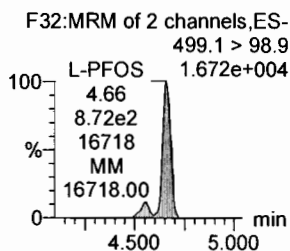
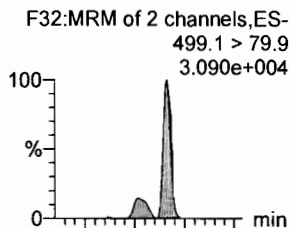
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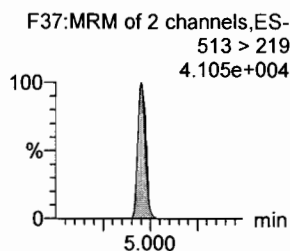
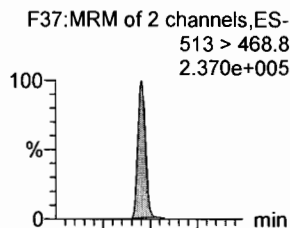
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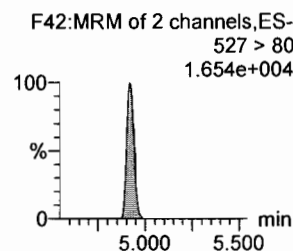
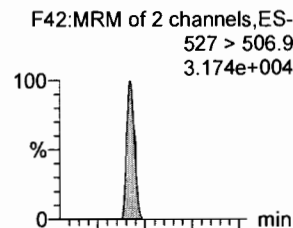
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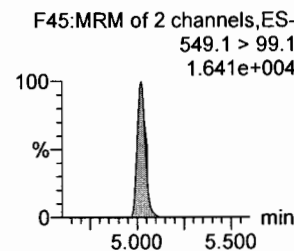
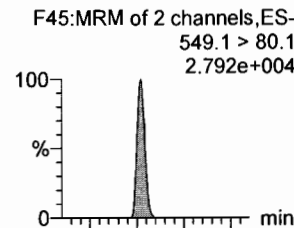
PFDA



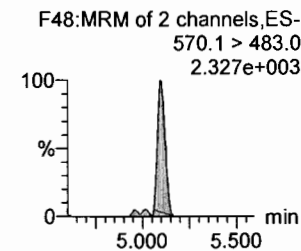
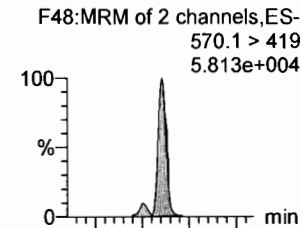
8:2 FTS



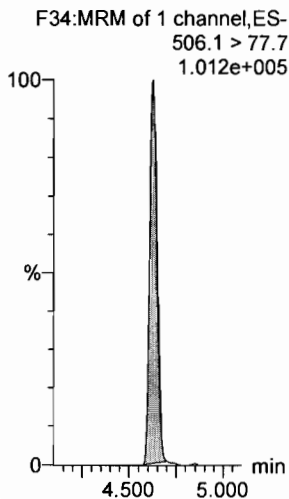
PFNS



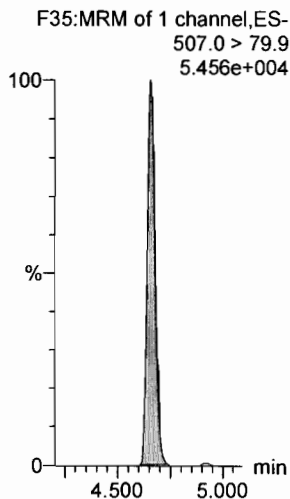
L-MeFOSAA



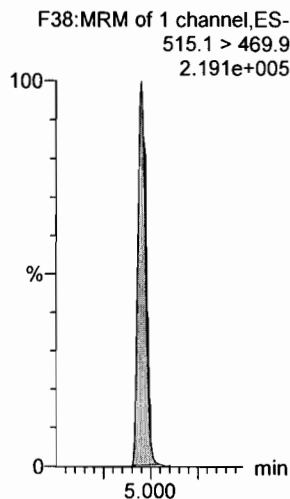
13C8-PFOSA



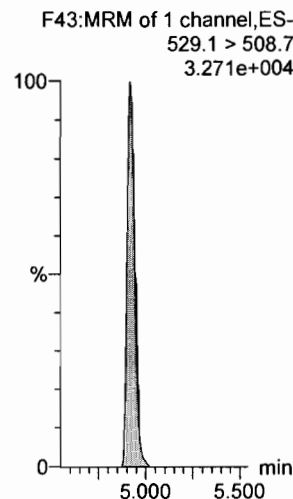
13C8-PFOS



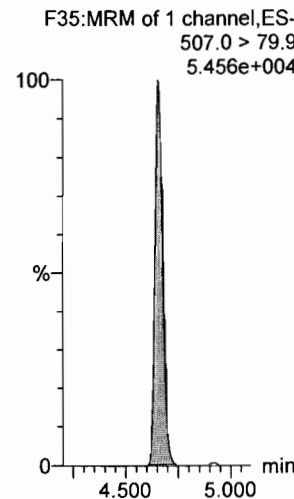
13C2-PFDA



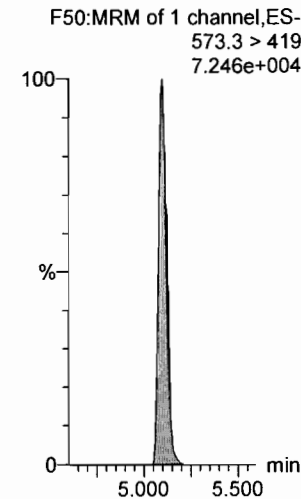
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



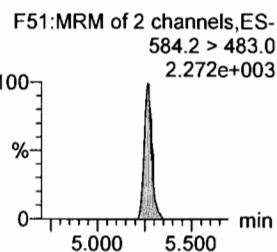
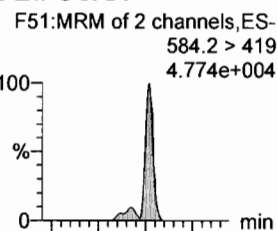
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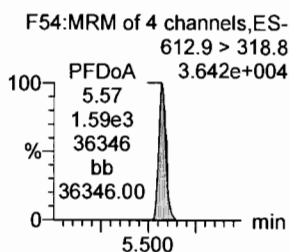
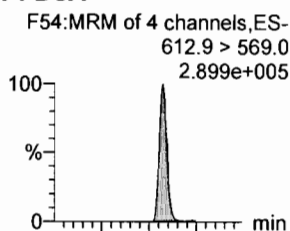
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Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

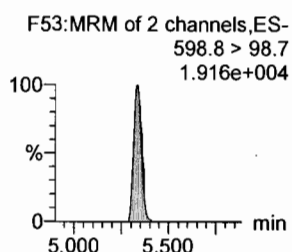
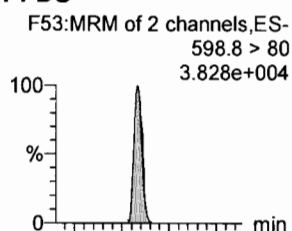
L-EtFOSAA



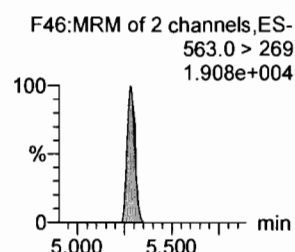
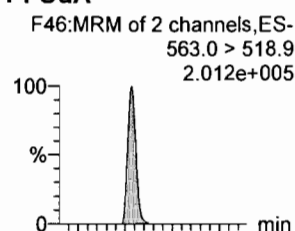
PFDaA



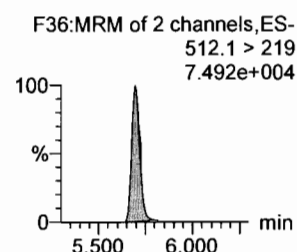
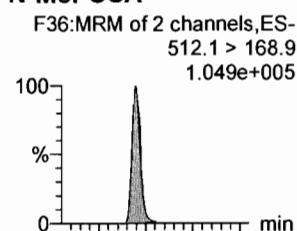
PFDS



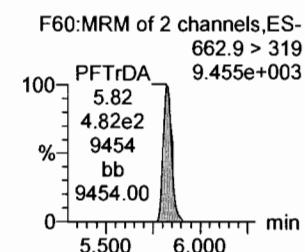
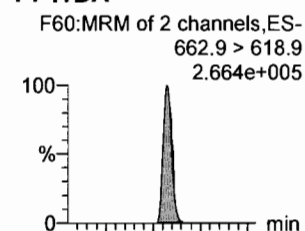
PFUdA



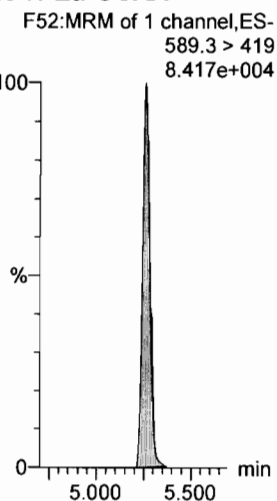
N-MeFOSA



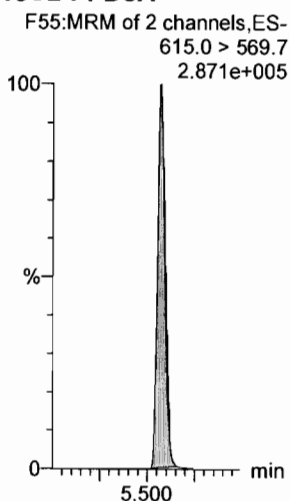
PFTrDA



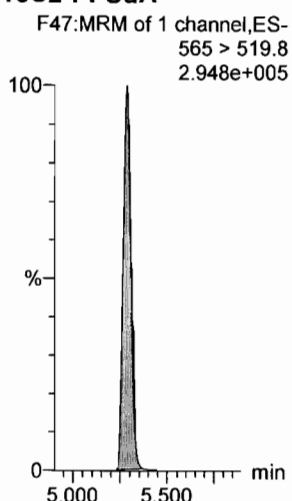
d5-N-EtFOSAA



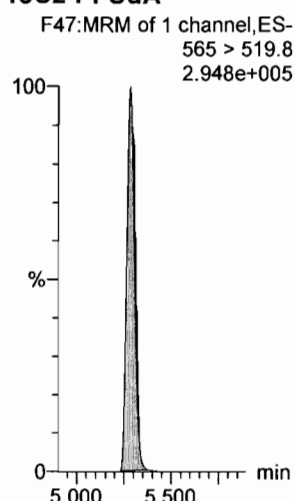
13C2-PFDaA



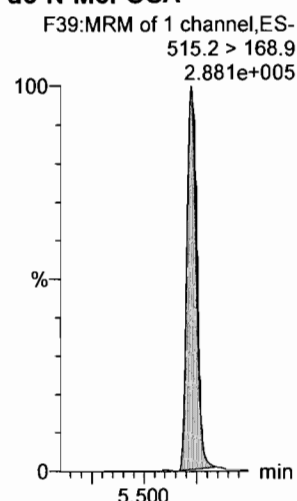
13C2-PFUdA



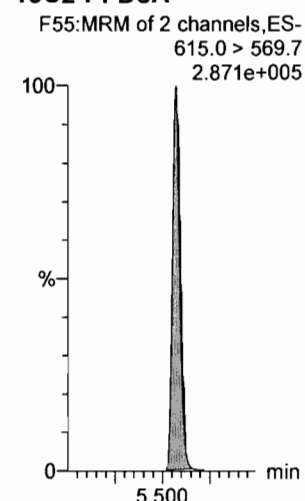
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



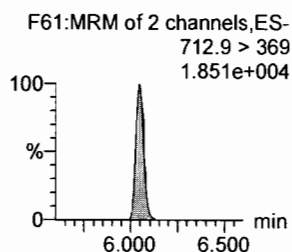
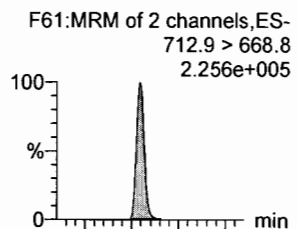
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-11.qld

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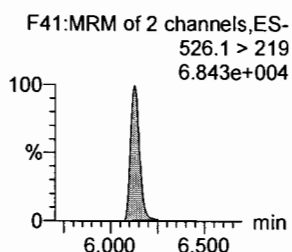
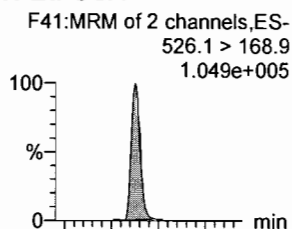
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Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

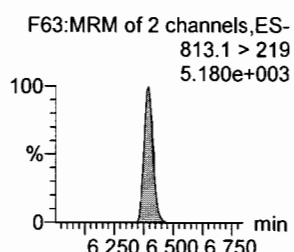
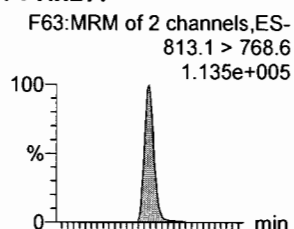
PFTeDA



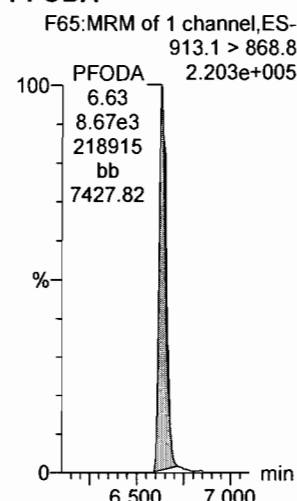
N-EtFOSA



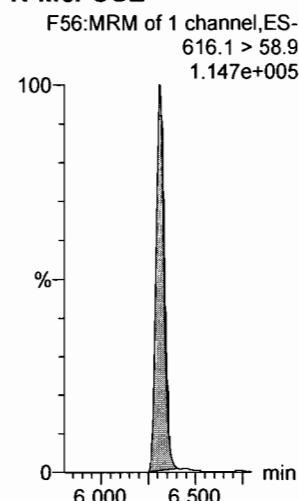
PFHxDA



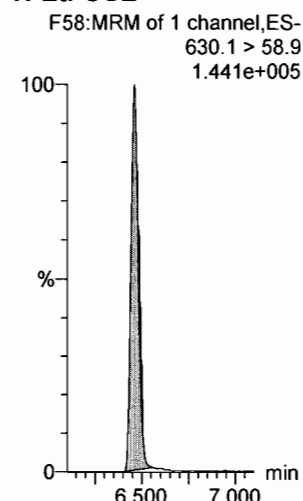
PFODA



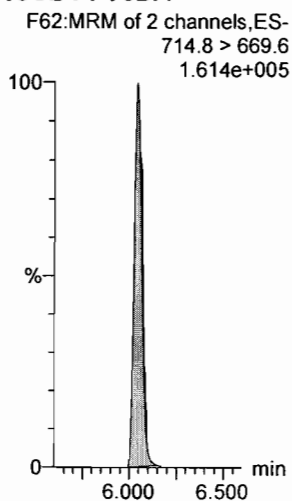
N-MeFOSE



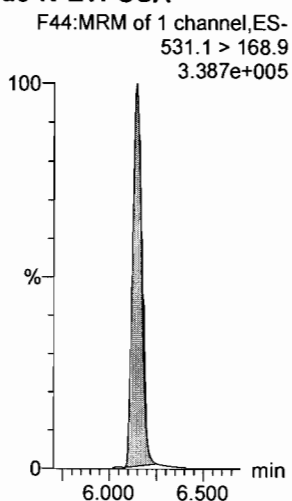
N-EtFOSE



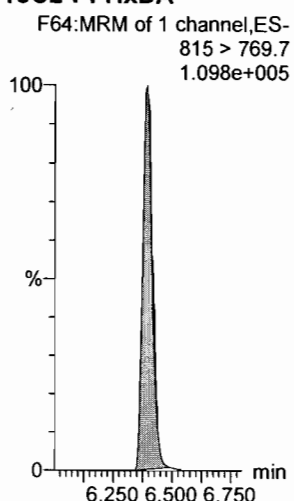
13C2-PFTeDA



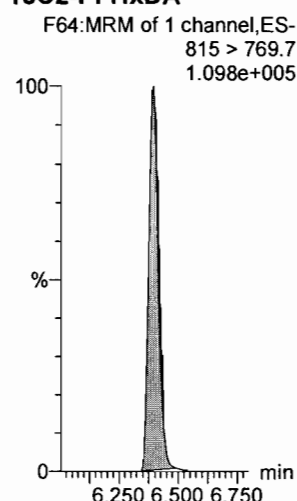
d5-N-ETFOSA



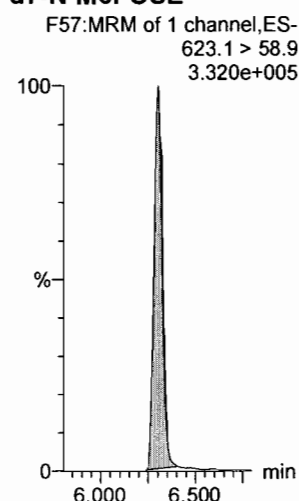
13C2-PFHxDA



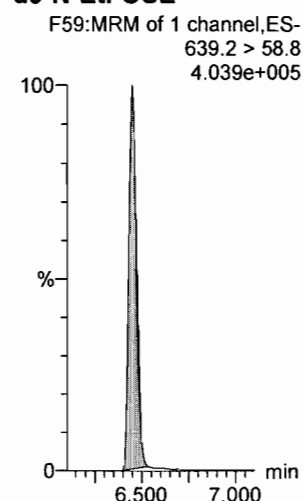
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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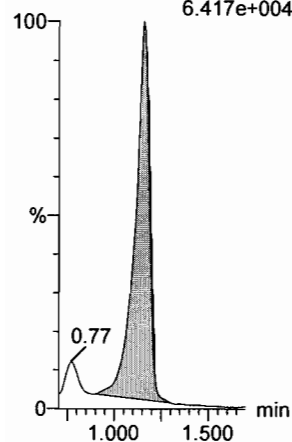
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Name: 180722M1_26, Date: 22-Jul-2018, Time: 20:42:54, ID: ST180722M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

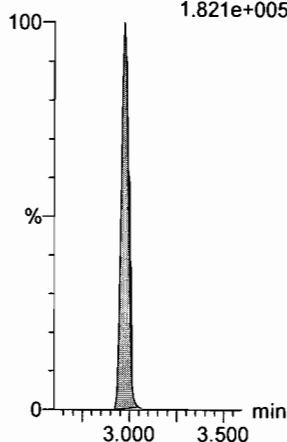
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
6.417e+004



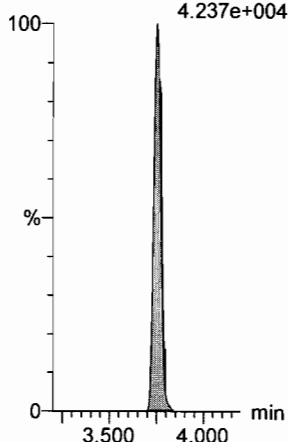
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.821e+005



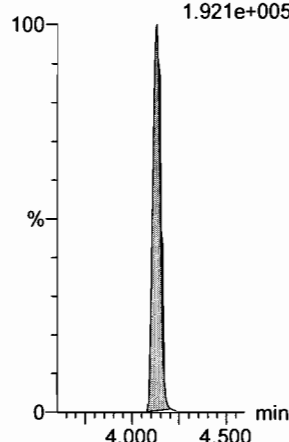
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.237e+004



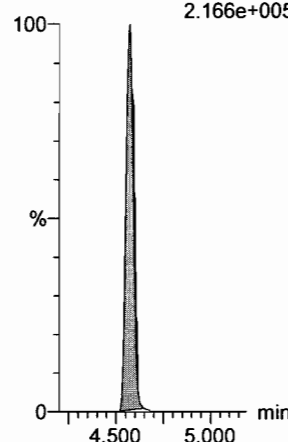
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.921e+005



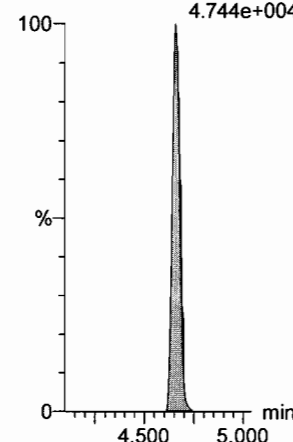
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.166e+005



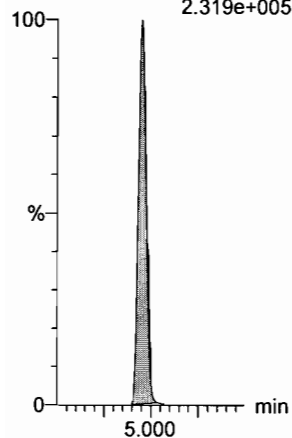
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.744e+004



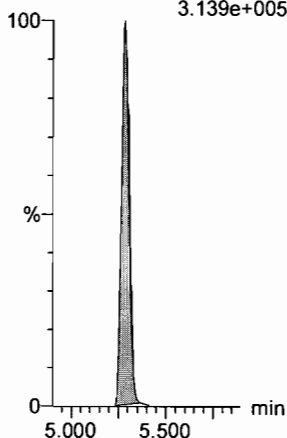
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.319e+005



13C7-PFudA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.139e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

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Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	4541.965	5003.207	1.00	1.16	11.348	9.8	97.7	NO		
2	2 PFPeA	263.1 > 218.9	6104.227	7767.528	1.00	2.16	9.823	10.0	100.1	NO		
3	3 PFBS	299.0 > 79.7	1525.098	979.870	1.00	2.46	19.455	9.7	97.3	NO	2.953	NO
4	4 4:2 FTS	327.2>307.2	1269.400	1383.951	1.00	2.89	11.465	10.7	107.1	NO	2.008	NO
5	5 PFHxA	313.2 > 268.9	7810.389	2256.651	1.00	2.97	17.305	10.0	99.7	NO	245.363	YES
6	6 PFPeS	349.1>80.1	1284.919	979.870	1.00	3.18	16.391	9.7	96.8	NO	1.532	NO
7	36 13C3-PFBA	216.1 > 171.8	5003.207	5418.458	1.00	1.16	11.542	12.6	101.1	NO		
8	37 13C3-PFPeA	266. > 221.8	7767.528	7934.470	1.00	2.16	12.237	12.2	97.2	NO		
9	38 13C3-PFBS	302. > 98.8	979.870	7934.470	1.00	2.46	1.544	12.6	101.0	NO		
10	39 13C2-4:2 FTS	329.2>308.9	1383.951	7934.470	1.00	2.89	2.180	12.0	96.0	NO		
11	40 13C2-PFHxA	315 > 269.8	2256.651	7934.470	1.00	2.97	3.555	4.8	96.9	NO		
12	38 13C3-PFBS	302. > 98.8	979.870	7934.470	1.00	2.46	1.544	12.6	101.0	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	1189.908	1327.659	1.00	4.06	11.203	9.9	99.2	NO	2.772	NO
15	7 PFHpA	363.0 > 318.9	5821.520	6383.900	1.00	3.59	11.399	10.1	100.6	NO	16.112	NO
16	8 L-PFHxS	398.9 > 79.6	1207.812	869.614	1.00	3.75	17.361	10.3	103.3	NO	1.893	NO
17	11 L-PFOA	413 > 368.7	7247.917	8990.958	1.00	4.13	10.077	9.7	97.2	NO	3.984	NO
18	13 PFHpS	449 > 80.0	1560.348	2322.270	1.00	4.24	8.399	9.8	97.5	NO	1.735	NO
19	14 PFNA	463.0 > 418.8	8779.911	8994.810	1.00	4.57	12.201	9.9	99.4	NO	4.484	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	1327.659	8865.838	1.00	4.06	1.872	11.6	93.2	NO		
21	41 13C4-PFHpA	367.2 > 321.8	6383.900	7934.470	1.00	3.59	10.057	12.0	96.2	NO		
22	42 18O2-PFHxS	403.0 > 102.6	869.614	1769.459	1.00	3.75	6.143	12.7	101.2	NO		
23	44 13C2-PFOA	414.9 > 369.7	8990.958	8865.838	1.00	4.12	12.676	12.4	99.1	NO		
24	47 13C8-PFOS	507.0 > 79.9	2322.270	2081.758	1.00	4.65	13.944	12.9	103.0	NO		
25	45 13C5-PFNA	468.2 > 422.9	8994.810	9120.556	1.00	4.56	12.328	12.7	101.9	NO		
26	-1											
27	15 PFOSA	498.2 > 77.9	3231.457	4682.887	1.00	4.63	8.626	9.7	97.3	NO	30.576	YES
28	16 L-PFOS	499.1 > 79.9	1574.855	2322.270	1.00	4.66	8.477	9.2	91.9	NO	1.978	NO
29	18 PFDA	513 > 468.8	9975.333	9349.724	1.00	4.95	13.336	9.9	99.3	NO	6.283	NO
30	19 8:2 FTS	527 > 506.9	1562.047	1419.294	1.00	4.92	13.757	9.9	98.6	NO	2.253	NO
31	20 PFNS	549.1>80.1	1416.070	2322.270	1.00	5.01	7.622	9.3	93.0	NO	2.033	NO
32	21 L-MeFOSAA	570.1 > 419	2897.107	3333.390	1.00	5.11	10.864	8.9	89.2	NO	20.590	NO
33	46 13C8-PFOSA	506.1 > 77.7	4682.887	14176.495	1.00	4.63	4.129	14.7	117.7	NO		
34	47 13C8-PFOS	507.0 > 79.9	2322.270	2081.758	1.00	4.65	13.944	12.9	103.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

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Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	9349.724	9508.383	1.00	4.95	12.291	13.5	107.9	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1419.294	7934.470	1.00	4.92	2.236	13.1	104.9	NO		
37	47 13C8-PFOS	507.0 > 79.9	2322.270	2081.758	1.00	4.65	13.944	12.9	103.0	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3333.390	14176.495	1.00	5.10	2.939	12.9	103.4	NO		
39	-1											
40	23 L-EtFOSAA	584.2 > 419	2586.673	3769.450	1.00	5.26	8.578	9.7	97.1	NO	23.947	NO
41	27 PFDoA	612.9 > 569.0	13137.675	12249.326	1.00	5.57	13.407	10.7	107.4	NO	8.236	NO
42	26 PFDS	598.8 > 80	1640.246	12761.982	1.00	5.33	1.607	9.7	97.4	NO	1.984	NO
43	25 PFUdA	563.0 > 518.9	10417.734	12761.982	1.00	5.28	10.204	10.2	101.5	NO	12.456	NO
44	28 N-MeFOSA	512.1 > 168.9	5056.075	14604.936	1.00	5.69	51.928	51.8	103.5	NO	1.375	NO
45	29 PFTTrDA	662.9 > 618.9	13099.003	12249.326	1.00	5.82	13.367	10.7	107.2	NO	29.150	NO
46	51 d5-N-EtFOSAA	589.3 > 419	3769.450	14176.495	1.00	5.26	3.324	13.5	108.1	NO		
47	53 13C2-PFDoA	615.0 > 569.7	12249.326	9508.383	1.00	5.57	16.103	12.8	102.2	NO		
48	52 13C2-PFUdA	565 > 519.8	12761.982	14176.495	1.00	5.28	11.253	12.2	97.7	NO		
49	52 13C2-PFUdA	565 > 519.8	12761.982	14176.495	1.00	5.28	11.253	12.2	97.7	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	14604.936	14176.495	1.00	5.72	12.878	148.1	98.7	NO		
51	53 13C2-PFDoA	615.0 > 569.7	12249.326	9508.383	1.00	5.57	16.103	12.8	102.2	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	9476.912	6980.379	1.00	6.04	16.971	10.3	102.6	NO	11.031	NO
54	31 N-EtFOSA	526.1 > 168.9	5356.939	18056.521	1.00	6.13	44.501	52.8	105.6	NO	1.440	NO
55	32 PFHxDA	813.1 > 768.6	4915.784	4765.465	1.00	6.39	5.158	9.5	94.7	NO	21.950	NO
56	33 PFODA	913.1 > 868.8	8875.328	4765.465	1.00	6.63	9.312	10.1	101.0	NO		
57	34 N-MeFOSE	616.1 > 58.9	5470.373	17661.197	1.00	6.31	46.461	48.5	97.0	NO		
58	35 N-EtFOSE	630.1 > 58.9	6149.482	17641.568	1.00	6.46	52.287	47.5	95.0	NO		
59	55 13C2-PFTeDA	714.8 > 669.6	6980.379	14176.495	1.00	6.04	6.155	11.4	91.0	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	18056.521	14176.495	1.00	6.15	15.921	158.3	105.5	NO		
61	57 13C2-PFHxDA	815 > 769.7	4765.465	14176.495	1.00	6.39	4.202	4.7	94.0	NO		
62	57 13C2-PFHxDA	815 > 769.7	4765.465	14176.495	1.00	6.39	4.202	4.7	94.0	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	17661.197	14176.495	1.00	6.30	15.573	163.1	108.8	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	17641.568	14176.495	1.00	6.45	15.555	158.5	105.7	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	5418.458	5418.458	1.00	1.16	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	7934.470	7934.470	1.00	2.97	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1769.459	1769.459	1.00	3.75	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

Last Altered: Monday, July 23, 2018 11:18:49 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:19:46 Pacific Daylight Time

Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	8865.838	8865.838	1.00	4.12	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	9120.556	9120.556	1.00	4.56	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	2081.758	2081.758	1.00	4.66	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	9508.383	9508.383	1.00	4.95	12.500	12.5	100.0		NO	
73	67 13C7-PFUDa	570.1 > 524.8	14176.495	14176.495	1.00	5.28	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time
Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
1	1 180722M1_1	IPA	22-Jul-18	16:15:55
2	2 180722M1_2	ST180722M1-1 PFC CS-2 18G1910	22-Jul-18	16:26:28
3	3 180722M1_3	ST180722M1-2 PFC CS-1 18G1911	22-Jul-18	16:36:58
4	4 180722M1_4	ST180722M1-3 PFC CS0 18G1912	22-Jul-18	16:52:46
5	5 180722M1_5	ST180722M1-4 PFC CS1 18G1913	22-Jul-18	17:03:11
6	6 180722M1_6	ST180722M1-5 PFC CS2 18G1914	22-Jul-18	17:13:42
7	7 180722M1_7	ST180722M1-6 PFC CS3 18G1915	22-Jul-18	17:24:07
8	8 180722M1_8	ST180722M1-7 PFC CS4 18G1916	22-Jul-18	17:34:37
9	9 180722M1_9	ST180722M1-8 PFC CS5 18G1917	22-Jul-18	17:45:02
10	10 180722M1_10	ST180722M1-9 PFC CS6 18G1918	22-Jul-18	17:55:32
11	11 180722M1_11	ST180722M1-10 PFC CS7 18G1919	22-Jul-18	18:05:57
12	12 180722M1_12	IPA	22-Jul-18	18:16:27
13	13 180722M1_13	ICV180722M1-1 PFC 537 ICV 18G1920	22-Jul-18	18:26:51
14	14 180722M1_14	IPA	22-Jul-18	18:37:21
15	15 180722M1_15	1801549-03 MCLPCD155 1.06	22-Jul-18	18:47:52
16	16 180722M1_16	1801549-04 MCLPCD156 1.03	22-Jul-18	18:58:16
17	17 180722M1_17	1801549-05 MCLPCD158 1.1	22-Jul-18	19:08:47
18	18 180722M1_18	1801549-06 MCLPCD379 1.08	22-Jul-18	19:19:17
19	19 180722M1_19	1801549-07 MCLPCD159 1.02	22-Jul-18	19:29:42
20	20 180722M1_20	1801549-08 MCLPCD170 1.1	22-Jul-18	19:40:12
21	21 180722M1_21	1801549-09 MCLPCD171 1.02	22-Jul-18	19:50:37
22	22 180722M1_22	1801549-10 MCLPCD176 1.06	22-Jul-18	20:01:07
23	23 180722M1_23	1801549-11 MCLPCD177 1.06	22-Jul-18	20:11:29
24	24 180722M1_24	1801549-12 MCLPCD179 1.1	22-Jul-18	20:21:59
25	25 180722M1_25	IPA	22-Jul-18	20:32:24
26	26 180722M1_26	ST180722M1-11 PFC CS3 18G1915	22-Jul-18	20:42:54
27	27 180722M1_27	IPA	22-Jul-18	20:53:25
28	28 180722M1_28	1801549-13 MCLPCD180 1.04	22-Jul-18	21:03:49
29	29 180722M1_29	1801549-14 MCLPCD173 1.07	22-Jul-18	21:14:19
30	30 180722M1_30	1801549-15 MCLPCD174 1.12	22-Jul-18	21:24:44
31	31 180722M1_31	1801549-16 MCLPCD380 1.02	22-Jul-18	21:35:15
32	32 180722M1_32	B8G0119-BS1 OPR 0.25	22-Jul-18	21:45:45

Dataset: Untitled

Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
33	33 180722M1_33	B8G0119-BLK1 Method Blank 0.25	22-Jul-18	21:56:10
34	34 180722M1_34	B8G0119-MS1 Matrix Spike 0.12023	22-Jul-18	22:06:40
35	35 180722M1_35	B8G0119-MSD1 Matrix Spike Dup 0.121...	22-Jul-18	22:17:05
36	36 180722M1_36	1801547-01RE1 REEPDW1192 0.1186	22-Jul-18	22:27:35
37	37 180722M1_37	1801547-02RE1 REEPDW1193 0.11988	22-Jul-18	22:38:01
38	38 180722M1_38	1801548-01RE1 REEPDW1192FRB 0....	22-Jul-18	22:48:32
39	39 180722M1_39	1801548-02RE1 REEPDW1193FRB 0....	22-Jul-18	22:59:02
40	40 180722M1_40	1801599-01RE1 REEPDW1199 0.1219	22-Jul-18	23:09:27
41	41 180722M1_41	1801600-01RE1 REEPDW1199FRB 0....	22-Jul-18	23:19:57
42	42 180722M1_42	1801623-01RE1 SP-NorthINF-2018070...	22-Jul-18	23:30:22
43	43 180722M1_43	1801623-02RE1 SP-NorthEFF-2018070...	22-Jul-18	23:40:52
44	44 180722M1_44	1801623-03RE1 SP-SouthINF-2018070...	22-Jul-18	23:51:22
45	45 180722M1_45	IPA	23-Jul-18	00:01:47
46	46 180722M1_46	ST180722M1-12 PFC CS3 18G1915	23-Jul-18	00:12:17
47	47 180722M1_47	IPA	23-Jul-18	00:22:42
48	48 180722M1_48	1801623-04RE1 SP-SouthEFF-201807...	23-Jul-18	00:33:12
49	49 180722M1_49	1801679-01 REEPDW1203 0.11975	23-Jul-18	00:43:37
50	50 180722M1_50	1801679-02 REEPDW1204 0.12197	23-Jul-18	00:54:07
51	51 180722M1_51	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:04:32
52	52 180722M1_52	1801679-04 REEPDW569 0.12359	23-Jul-18	01:15:02
53	53 180722M1_53	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:25:26
54	54 180722M1_54	1801679-04 REEPDW569 0.12359	23-Jul-18	01:35:57
55	55 180722M1_55	1801506-06 MCLPCF243 1.19	23-Jul-18	01:46:22
56	56 180722M1_56	1801506-07 MCLPCF389 1.09	23-Jul-18	01:56:52
57	57 180722M1_57	1801506-08 MCLPCF224 1	23-Jul-18	02:07:17
58	58 180722M1_58	IPA	23-Jul-18	02:17:47
59	59 180722M1_59	ST180722M1-13 PFC CS3 18G1915	23-Jul-18	02:28:12
60	60 180722M1_60	IPA	23-Jul-18	02:38:42
61	61 180722M1_61	1801506-09 MCLPCF225 1.04	23-Jul-18	02:49:07
62	62 180722M1_62	1801506-10 MCLPCF227 1.03	23-Jul-18	02:59:37
63	63 180722M1_63	1801506-11 MCLPCF387 1.01	23-Jul-18	03:10:02
64	64 180722M1_64	1801506-12 MCLPCF228 1.04	23-Jul-18	03:20:32
65	65 180722M1_65	1801506-13 MCLPCF244 1.07	23-Jul-18	03:30:57
66	66 180722M1_66	1801506-14 MCLPCF245 1.03	23-Jul-18	03:41:27
67	67 180722M1_67	1801506-15 MCLPCF246 1.07	23-Jul-18	03:51:53
68	68 180722M1_68	1801680-03 REEPDW1200FRB 0.1201	23-Jul-18	04:02:23

Dataset: Untitled

Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time
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Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
69	69 180722M1_69	B8G0023-BS1 OPR 1	23-Jul-18	04:12:48
70	70 180722M1_70	B8G0023-MS1 Matrix Spike 1.05	23-Jul-18	04:23:18
71	71 180722M1_71	IPA	23-Jul-18	04:33:42
72	72 180722M1_72	ST180722M1-14 PFC CS3 18G1915	23-Jul-18	04:44:13
73	73 180722M1_73	ST180722M1-15 PFC CS0 18G1912	23-Jul-18	04:54:38
74	74 180722M1_74	IPA	23-Jul-18	05:05:08
75	75 180722M1_75	1801714-01 REEPDW1202 0.11396	23-Jul-18	05:15:33
76	76 180722M1_76	1801714-04 REEPDW1207 0.11431	23-Jul-18	05:26:03
77	77 180722M1_77	1801714-05 REEPDW1201 0.11586	23-Jul-18	05:36:28
78	78 180722M1_78	1801506-04 MCLPCF256 1.04	23-Jul-18	05:46:59
79	79 180722M1_79	1801506-05 MCLPCF242 1.14	23-Jul-18	05:57:23
80	80 180722M1_80	B8G0053-BS1 OPR 1	23-Jul-18	06:07:54
81	81 180722M1_81	B8G0053-BLK1 Method Blank 1	23-Jul-18	06:18:24
82	82 180722M1_82	B8G0053-MS1 Matrix Spike 1.1	23-Jul-18	06:28:49
83	83 180722M1_83	B8G0053-MSD1 Matrix Spike Dup 1.12	23-Jul-18	06:39:19
84	84 180722M1_84	1801566-01 MCLPCD172 1.19	23-Jul-18	06:49:49
85	85 180722M1_85	1801566-02 MCLPCA027 1.15	23-Jul-18	07:00:14
86	86 180722M1_86	1801566-03 MCLPCA021 1.06	23-Jul-18	07:10:45
87	87 180722M1_87	1801566-04 MCLPCA365 1.04	23-Jul-18	07:21:15
88	88 180722M1_88	1801566-05 MCLPCA024 1.13	23-Jul-18	07:31:40
89	89 180722M1_89	IPA	23-Jul-18	07:42:11
90	90 180722M1_90	ST180722M1-16 PFC CS3 18G1915	23-Jul-18	07:52:35
91	91 180722M1_91	IPA	23-Jul-18	08:03:06
92	92 180722M1_92	1801566-06 MCLP18115 1.05	23-Jul-18	08:13:31
93	93 180722M1_93	1801566-07 MCLPSB080 1.24	23-Jul-18	08:24:01
94	94 180722M1_94	1801566-08 MCLPCC081 1.23	23-Jul-18	08:34:26
95	95 180722M1_95	1801566-09 MCLPCC089 1.16	23-Jul-18	08:44:56
96	96 180722M1_96	1801566-10 MCLPCC090 1.29	23-Jul-18	08:55:21
97	97 180722M1_97	1801566-11 MCLPCC086 1.17	23-Jul-18	09:05:51
98	98 180722M1_98	1801566-12 MCLPCC087 1.15	23-Jul-18	09:16:16
99	99 180722M1_99	1801566-13 MCLPCC083 1.2	23-Jul-18	09:26:47
100	1... 180722M1_100	1801566-14 MCLPCC084 1.15	23-Jul-18	09:37:12
101	1... 180722M1_101	1801566-15 MCLPCC092 1.16	23-Jul-18	09:47:42
102	1... 180722M1_102	IPA	23-Jul-18	09:58:07
103	1... 180722M1_103	ST180722M1-17 PFC CS3 18G1915	23-Jul-18	10:08:38
104	1... 180722M1_104	IPA	23-Jul-18	10:19:02

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

Last Altered: Monday, July 23, 2018 11:18:49 Pacific Daylight Time

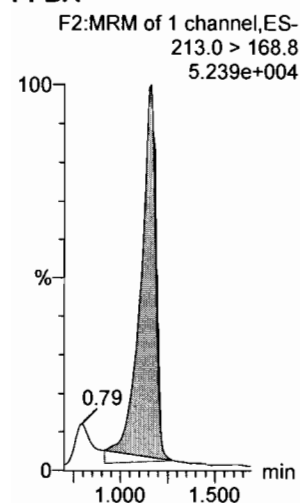
Printed: Monday, July 23, 2018 11:19:46 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

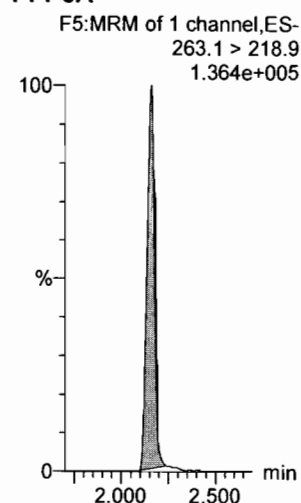
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

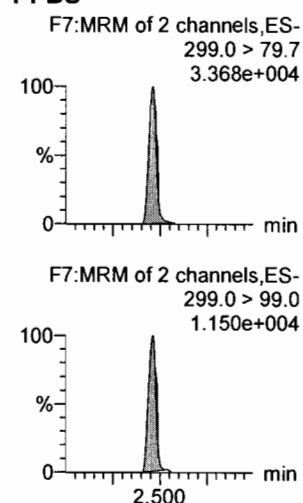
PFBA



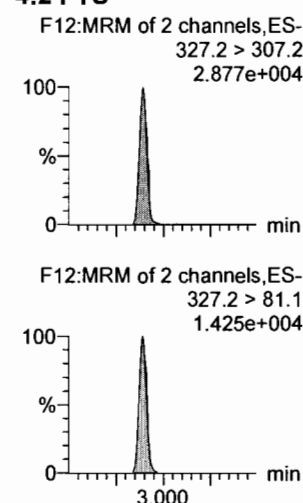
PFPeA



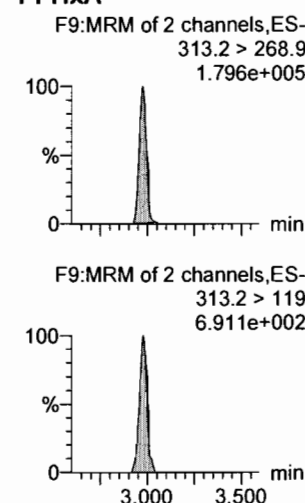
PFBS



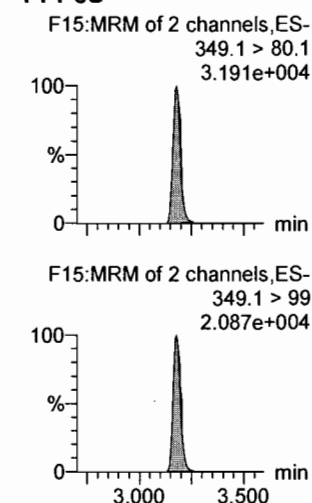
4:2 FTS



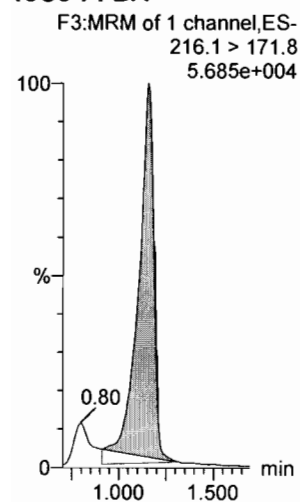
PFHxA



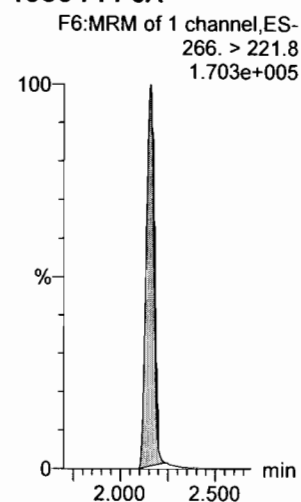
PFPeS



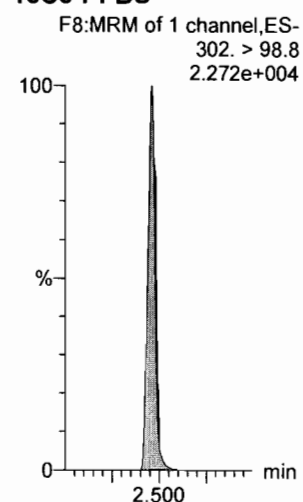
13C3-PFBA



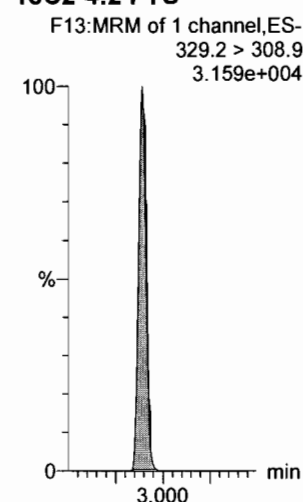
13C3-PFPeA



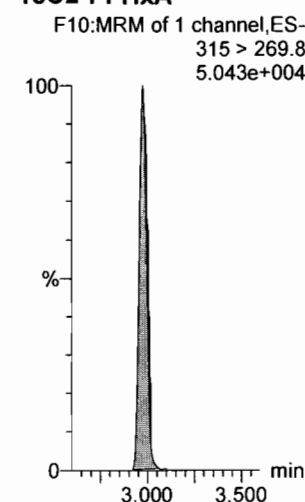
13C3-PFBS



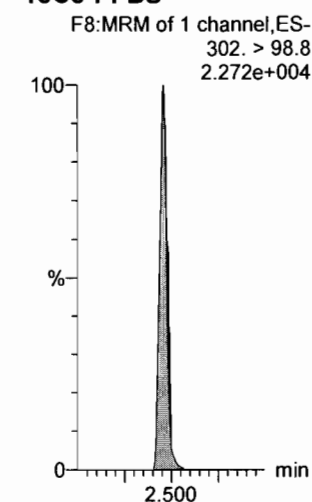
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

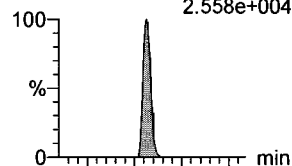
Last Altered: Monday, July 23, 2018 11:18:49 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:19:46 Pacific Daylight Time

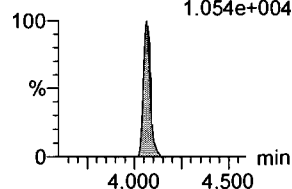
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6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
2.558e+004

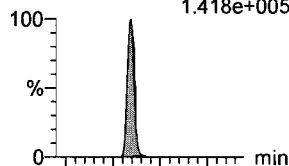


F24:MRM of 2 channels,ES-
427.1 > 80
1.054e+004

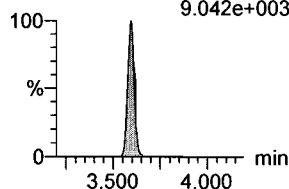


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.418e+005

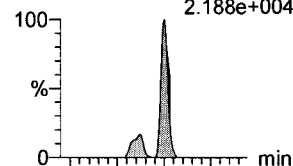


F16:MRM of 2 channels,ES-
363.0 > 169.0
9.042e+003

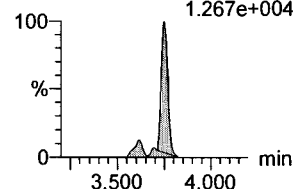


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
2.188e+004

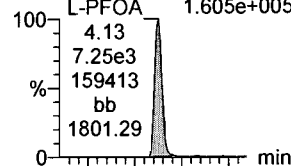


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.267e+004

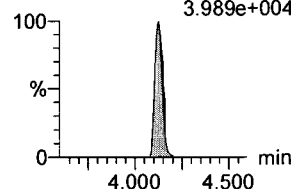


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.605e+005

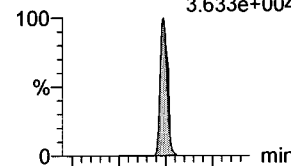


F21:MRM of 2 channels,ES-
413 > 169
3.989e+004

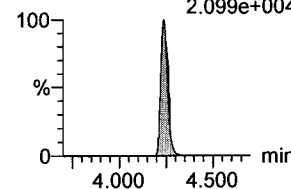


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
3.633e+004

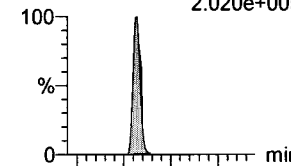


F26:MRM of 2 channels,ES-
449 > 98.7
2.099e+004

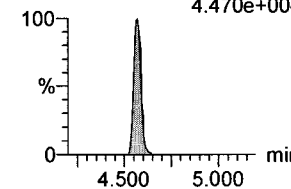


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
2.020e+005

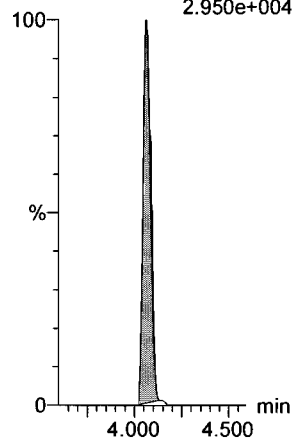


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.470e+004



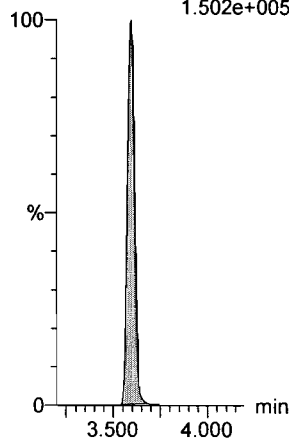
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.950e+004



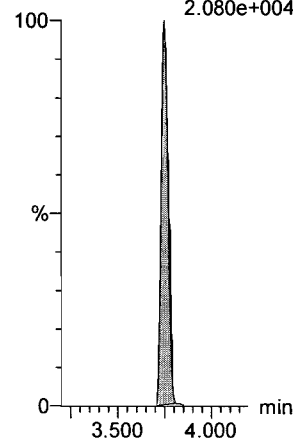
13C4-PFHpa

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.502e+005



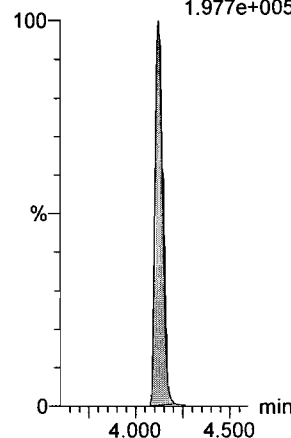
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.080e+004



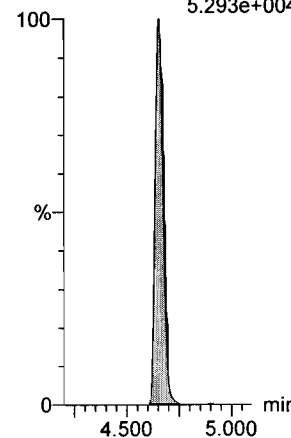
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.977e+005



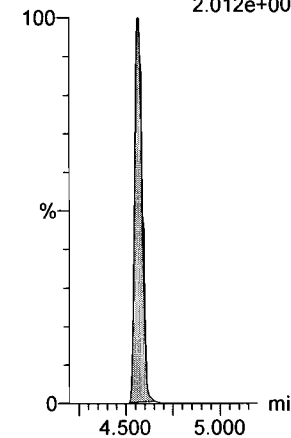
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.293e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
2.012e+005



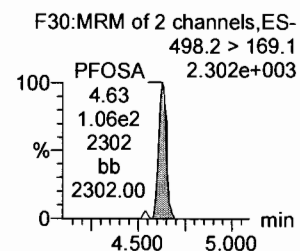
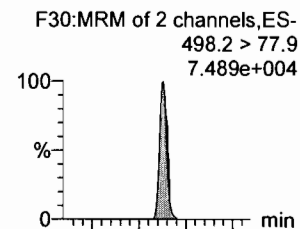
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

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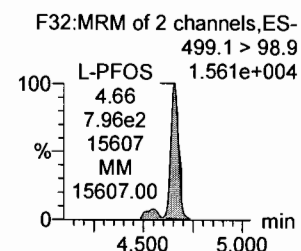
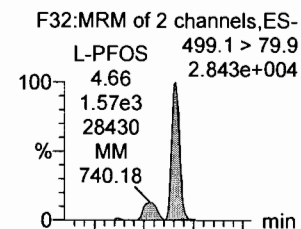
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Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

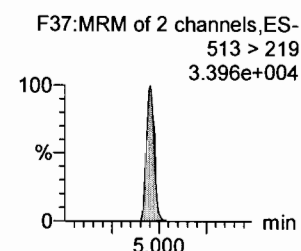
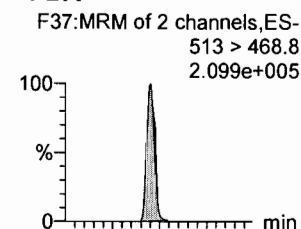
PFOSA



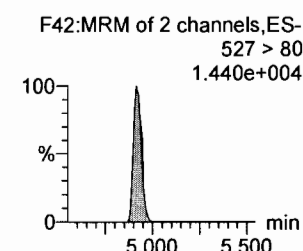
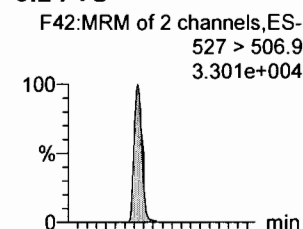
L-PFOS



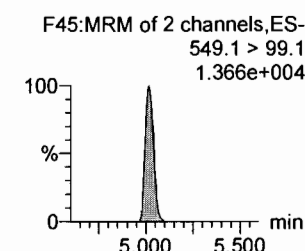
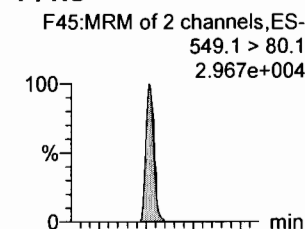
PFDA



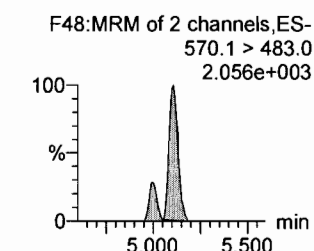
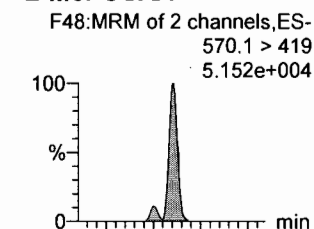
8:2 FTS



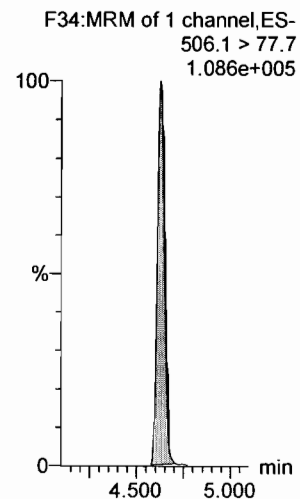
PFNS



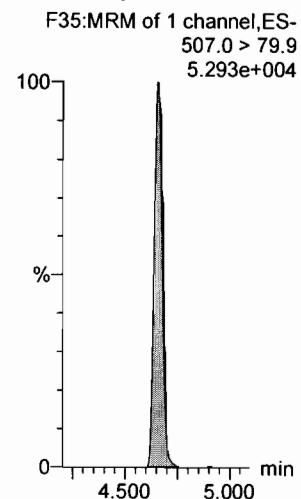
L-MeFOSAA



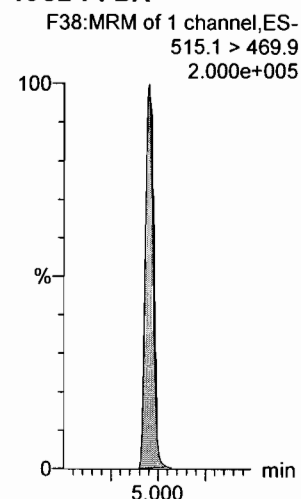
13C8-PFOSA



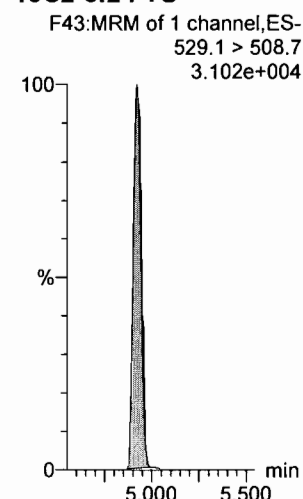
13C8-PFOS



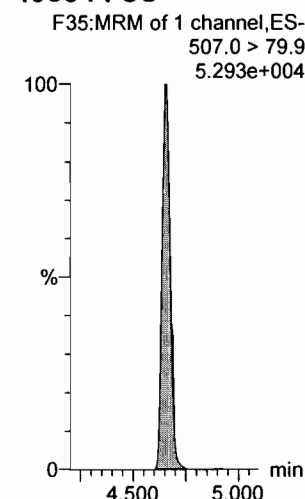
13C2-PFDA



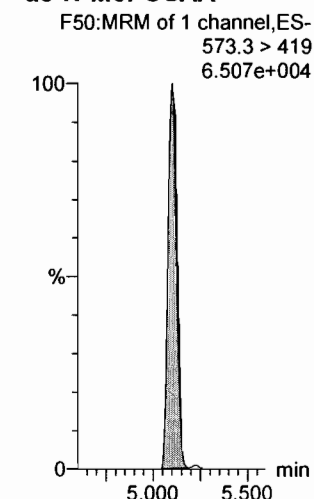
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



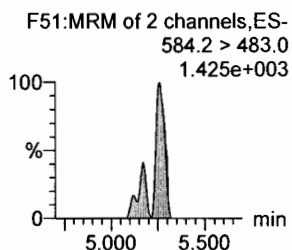
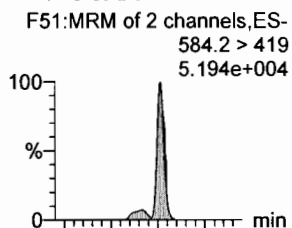
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-46.qld

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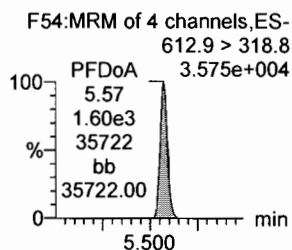
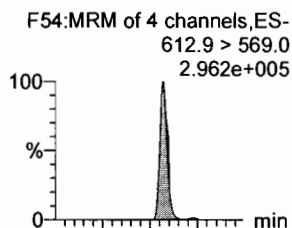
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Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

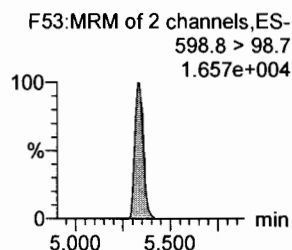
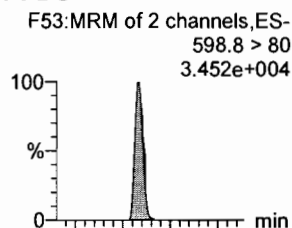
L-EtFOSAA



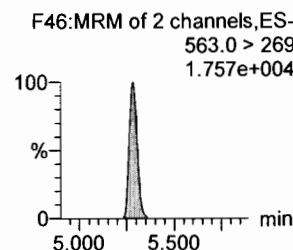
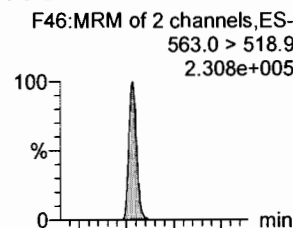
PFDaA



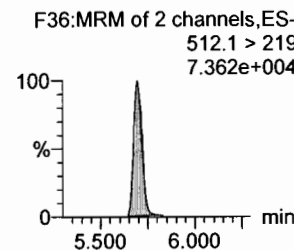
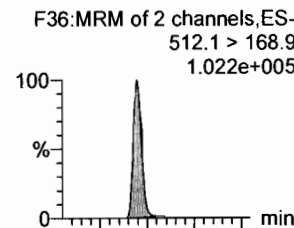
PFDS



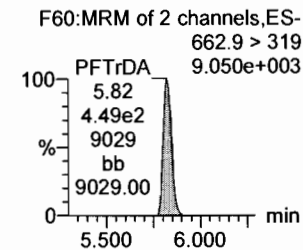
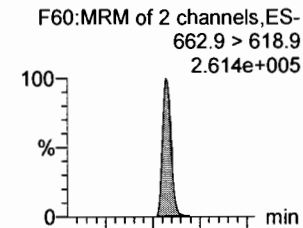
PFUdA



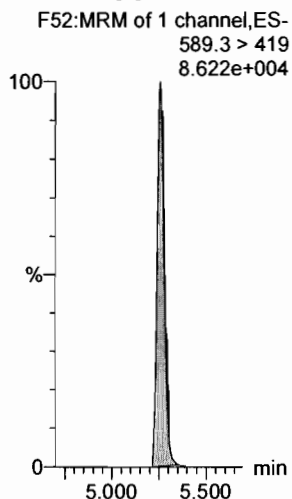
N-MeFOSA



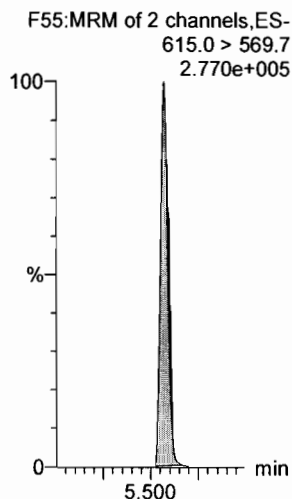
PFTTrDA



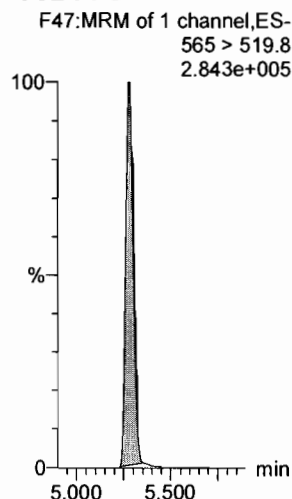
d5-N-EtFOSAA



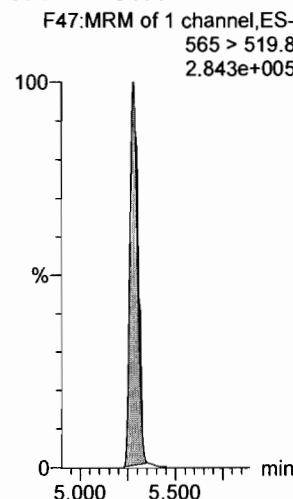
13C2-PFDaA



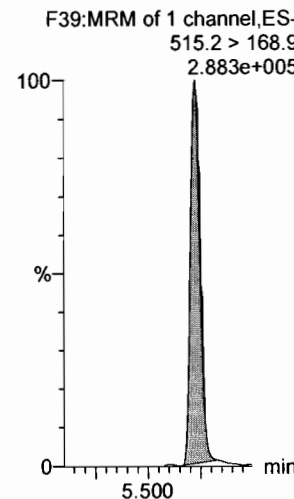
13C2-PFUdA



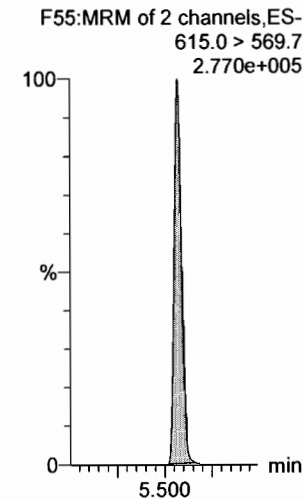
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



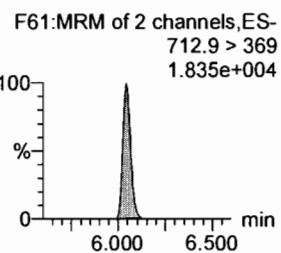
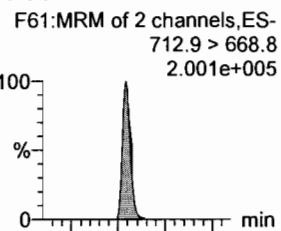
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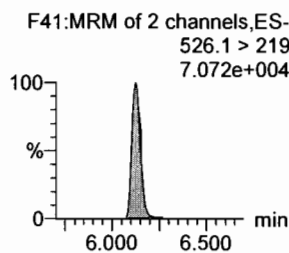
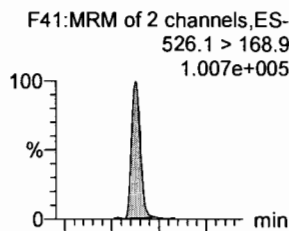
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Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

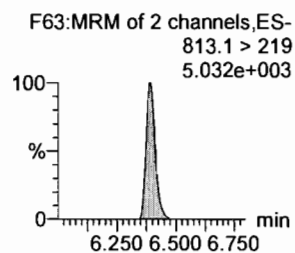
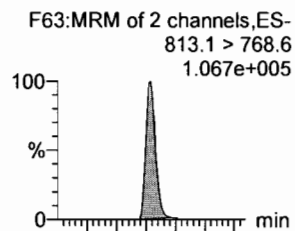
PFTeDA



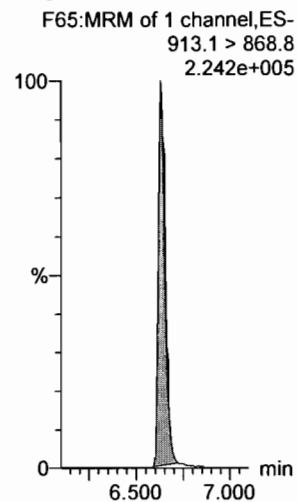
N-EtFOSA



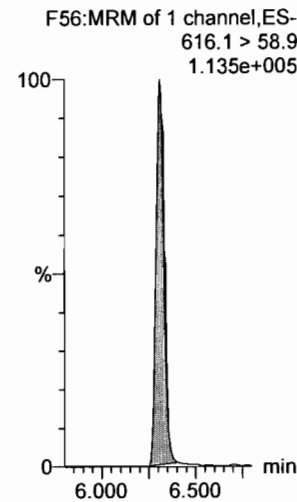
PFHxDA



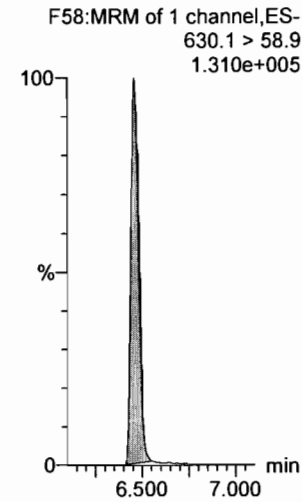
PFODA



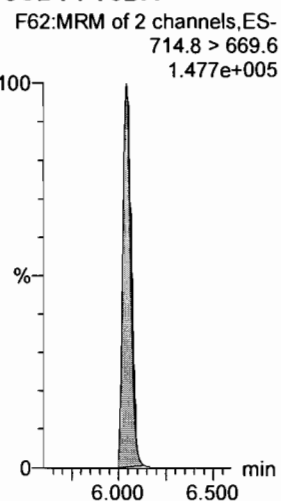
N-MeFOSE



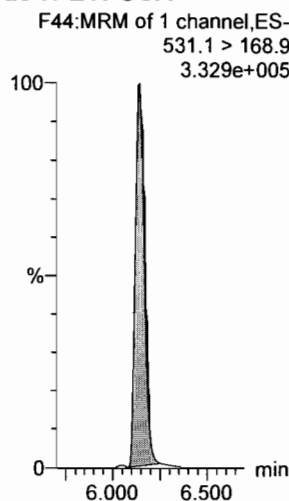
N-EtFOSE



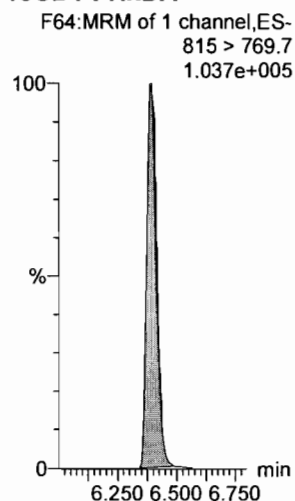
13C2-PFTeDA



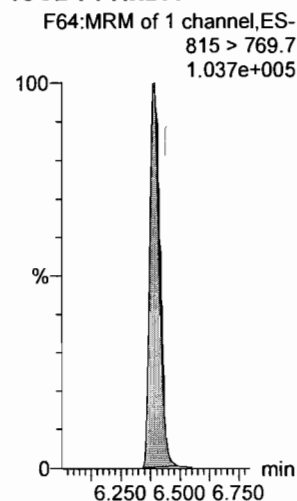
d5-N-ETFOSA



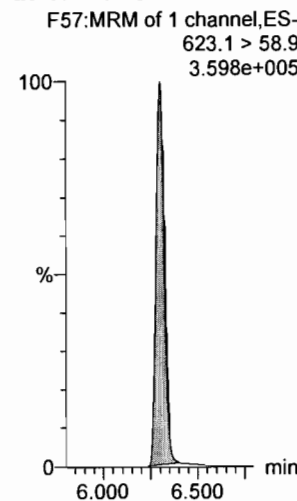
13C2-PFHxDA



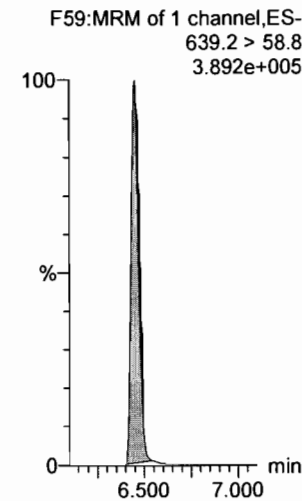
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



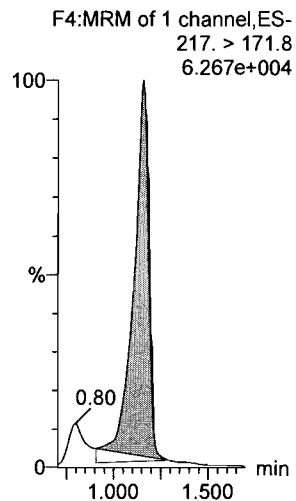
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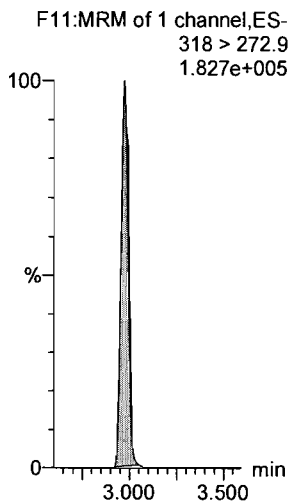
Printed: Monday, July 23, 2018 11:19:46 Pacific Daylight Time

Name: 180722M1_46, Date: 23-Jul-2018, Time: 00:12:17, ID: ST180722M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

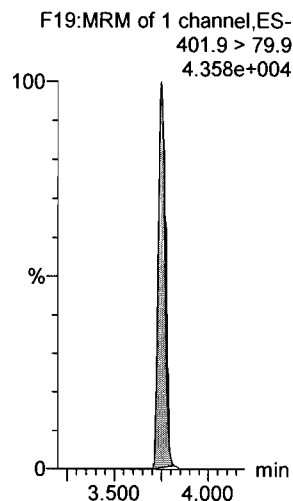
13C4-PFBA



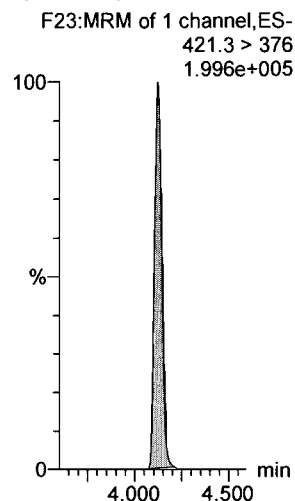
13C5-PFHxA



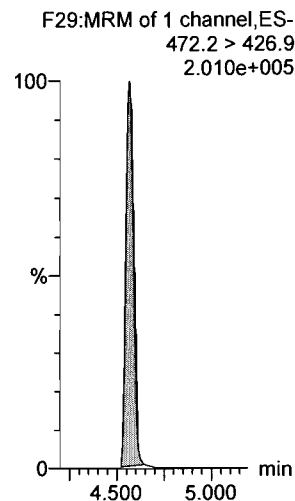
13C3-PFHxS



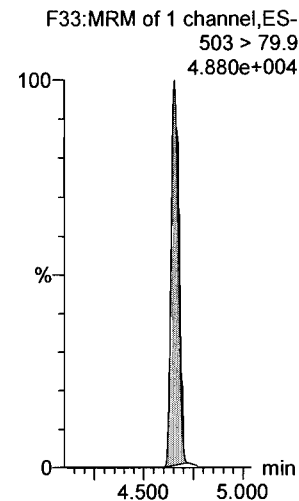
13C8-PFOA



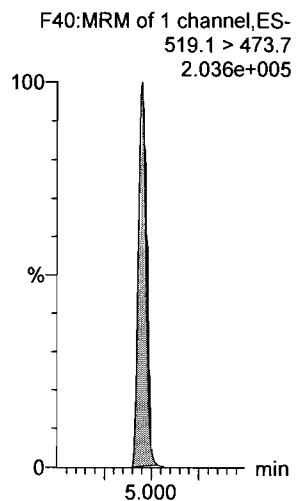
13C9-PFNA



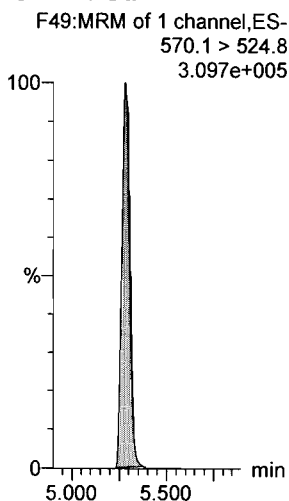
13C4-PFOS



13C6-PFDA



13C7-PFUDA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

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Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	4603.617	5069.329	1.00	1.16	11.352	9.8	97.7	NO		
2	2 PFPeA	263.1 > 218.9	6383.683	8052.836	1.00	2.16	9.909	10.1	100.9	NO		
3	3 PFBS	299.0 > 79.7	1575.323	972.743	1.00	2.46	20.243	10.1	101.2	NO	2.817	NO
4	4 4:2 FTS	327.2>307.2	1301.846	1475.675	1.00	2.89	11.028	10.3	102.9	NO	1.883	NO
5	5 PFHxA	313.2 > 268.9	8171.477	2242.552	1.00	2.97	18.219	10.5	104.9	NO	247.936	YES
6	6 PFPeS	349.1>80.1	1331.968	972.743	1.00	3.18	17.116	10.1	101.1	NO	1.634	NO
7	36 13C3-PFBA	216.1 > 171.8	5069.329	5478.202	1.00	1.16	11.567	12.7	101.3	NO		
8	37 13C3-PFPeA	266. > 221.8	8052.836	7945.388	1.00	2.16	12.669	12.6	100.7	NO		
9	38 13C3-PFBS	302. > 98.8	972.743	7945.388	1.00	2.46	1.530	12.5	100.1	NO		
10	39 13C2-4:2 FTS	329.2>308.9	1475.675	7945.388	1.00	2.89	2.322	12.8	102.2	NO		
11	40 13C2-PFHxA	315 > 269.8	2242.552	7945.388	1.00	2.97	3.528	4.8	96.1	NO		
12	38 13C3-PFBS	302. > 98.8	972.743	7945.388	1.00	2.46	1.530	12.5	100.1	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	1241.915	1478.975	1.00	4.06	10.496	9.3	92.8	NO	2.716	NO
15	7 PFHpA	363.0 > 318.9	5902.018	6416.287	1.00	3.59	11.498	10.1	101.4	NO	15.871	NO
16	8 L-PFHxS	398.9 > 79.6	1154.394	921.294	1.00	3.75	15.663	9.3	93.2	NO	1.889	NO
17	11 L-PFOA	413 > 368.7	7288.962	9476.381	1.00	4.13	9.615	9.3	92.7	NO	3.731	NO
18	13 PFHpS	449 > 80.0	1536.053	2434.872	1.00	4.24	7.886	9.2	91.6	NO	1.966	NO
19	14 PFNA	463.0 > 418.8	8557.906	9395.533	1.00	4.57	11.386	9.3	92.8	NO	4.398	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	1478.975	8951.178	1.00	4.06	2.065	12.9	102.8	NO		
21	41 13C4-PFHpA	367.2 > 321.8	6416.287	7945.388	1.00	3.59	10.094	12.1	96.6	NO		
22	42 18O2-PFHxS	403.0 > 102.6	921.294	1859.295	1.00	3.75	6.194	12.8	102.1	NO		
23	44 13C2-PFOA	414.9 > 369.7	9476.381	8951.178	1.00	4.13	13.233	12.9	103.4	NO		
24	47 13C8-PFOS	507.0 > 79.9	2434.872	2223.173	1.00	4.66	13.690	12.6	101.1	NO		
25	45 13C5-PFNA	468.2 > 422.9	9395.533	9739.384	1.00	4.56	12.059	12.5	99.7	NO		
26	-1											
27	15 PFOSA	498.2 > 77.9	3204.436	4494.746	1.00	4.62	8.912	10.1	100.5	NO	33.972	YES
28	16 L-PFOS	499.1 > 79.9	1705.053	2434.872	1.00	4.66	8.753	9.5	94.9	NO	1.979	NO
29	18 PFDA	513 > 468.8	10626.765	9687.536	1.00	4.95	13.712	10.2	102.1	NO	5.893	NO
30	19 8:2 FTS	527 > 506.9	1512.455	1123.341	1.00	4.91	16.830	12.1	120.9	NO	2.355	NO
31	20 PFNS	549.1>80.1	1521.986	2434.872	1.00	5.01	7.813	9.5	95.3	NO	1.810	NO
32	21 L-MeFOSAA	570.1 > 419	3166.652	3071.032	1.00	5.10	12.889	10.6	105.7	NO	16.653	NO
33	46 13C8-PFOSA	506.1 > 77.7	4494.746	15632.274	1.00	4.63	3.594	12.8	102.4	NO		
34	47 13C8-PFOS	507.0 > 79.9	2434.872	2223.173	1.00	4.66	13.690	12.6	101.1	NO		

Jan 7/23/18

AM 7/23/18

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	9687.536	10191.581	1.00	4.95	11.882	13.0	104.3	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1123.341	7945.388	1.00	4.92	1.767	10.4	83.0	NO		
37	47 13C8-PFOS	507.0 > 79.9	2434.872	2223.173	1.00	4.66	13.690	12.6	101.1	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3071.032	15632.274	1.00	5.10	2.456	10.8	86.4	NO		
39	-1											
40	23 L-EtFOSAA	584.2 > 419	2640.400	3876.333	1.00	5.26	8.514	9.6	96.4	NO	21.338	NO
41	27 PFDoA	612.9 > 569.0	13261.175	13301.131	1.00	5.57	12.462	10.0	99.8	NO	8.733	NO
42	26 PFDS	598.8 > 80	1882.469	13874.904	1.00	5.33	1.696	10.3	102.9	NO	1.936	NO
43	25 PFUdA	563.0 > 518.9	10645.112	13874.904	1.00	5.28	9.590	9.5	95.4	NO	15.529	YES
44	28 N-MeFOSA	512.1 > 168.9	5125.726	14932.668	1.00	5.69	51.488	51.3	102.6	NO	1.363	NO
45	29 PFTrDA	662.9 > 618.9	13207.576	13301.131	1.00	5.82	12.412	9.9	99.5	NO	26.716	NO
46	51 d5-N-EtFOSAA	589.3 > 419	3876.333	15632.274	1.00	5.26	3.100	12.6	100.9	NO		
47	53 13C2-PFDoA	615.0 > 569.7	13301.131	10191.581	1.00	5.57	16.314	12.9	103.5	NO		
48	52 13C2-PFUdA	565 > 519.8	13874.904	15632.274	1.00	5.28	11.095	12.0	96.4	NO		
49	52 13C2-PFUdA	565 > 519.8	13874.904	15632.274	1.00	5.28	11.095	12.0	96.4	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	14932.668	15632.274	1.00	5.72	11.941	137.3	91.6	NO		
51	53 13C2-PFDoA	615.0 > 569.7	13301.131	10191.581	1.00	5.57	16.314	12.9	103.5	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	9555.261	6640.261	1.00	6.04	17.987	10.9	108.7	NO	10.563	NO
54	31 N-EtFOSA	526.1 > 168.9	5338.665	18295.611	1.00	6.13	43.770	51.9	103.9	NO	1.398	NO
55	32 PFHxDA	813.1 > 768.6	4933.491	4854.259	1.00	6.39	5.082	9.3	93.3	NO	21.837	NO
56	33 PFODA	913.1 > 868.8	8792.240	4854.259	1.00	6.63	9.056	9.8	98.2	NO		
57	34 N-MeFOSE	616.1 > 58.9	5560.257	16909.930	1.00	6.31	49.322	51.5	103.0	NO		
58	35 N-EtFOSE	630.1 > 58.9	6396.057	17267.057	1.00	6.46	55.563	50.5	101.0	NO		
59	55 13C2-PFTeDA	714.8 > 669.6	6640.261	15632.274	1.00	6.04	5.310	9.8	78.5	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	18295.611	15632.274	1.00	6.15	14.630	145.5	97.0	NO		
61	57 13C2-PFHxDA	815 > 769.7	4854.259	15632.274	1.00	6.39	3.882	4.3	86.9	NO		
62	57 13C2-PFHxDA	815 > 769.7	4854.259	15632.274	1.00	6.39	3.882	4.3	86.9	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	16909.930	15632.274	1.00	6.30	13.522	141.7	94.4	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	17267.057	15632.274	1.00	6.45	13.807	140.7	93.8	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	5478.202	5478.202	1.00	1.16	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	7945.388	7945.388	1.00	2.97	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1859.295	1859.295	1.00	3.75	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

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Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	8951.178	8951.178	1.00	4.12	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	9739.384	9739.384	1.00	4.56	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	2223.173	2223.173	1.00	4.66	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	10191.581	10191.581	1.00	4.95	12.500	12.5	100.0		NO	
73	67 13C7-PFUDa	570.1 > 524.8	15632.274	15632.274	1.00	5.28	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Monday, July 23, 2018 11:48:38 Pacific Daylight Time
Printed: Monday, July 23, 2018 11:49:06 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180722M1_1	IPA	22-Jul-18	16:15:55
2	2 180722M1_2	ST180722M1-1 PFC CS-2 18G1910	22-Jul-18	16:26:28
3	3 180722M1_3	ST180722M1-2 PFC CS-1 18G1911	22-Jul-18	16:36:58
4	4 180722M1_4	ST180722M1-3 PFC CS0 18G1912	22-Jul-18	16:52:46
5	5 180722M1_5	ST180722M1-4 PFC CS1 18G1913	22-Jul-18	17:03:11
6	6 180722M1_6	ST180722M1-5 PFC CS2 18G1914	22-Jul-18	17:13:42
7	7 180722M1_7	ST180722M1-6 PFC CS3 18G1915	22-Jul-18	17:24:07
8	8 180722M1_8	ST180722M1-7 PFC CS4 18G1916	22-Jul-18	17:34:37
9	9 180722M1_9	ST180722M1-8 PFC CS5 18G1917	22-Jul-18	17:45:02
10	10 180722M1_10	ST180722M1-9 PFC CS6 18G1918	22-Jul-18	17:55:32
11	11 180722M1_11	ST180722M1-10 PFC CS7 18G1919	22-Jul-18	18:05:57
12	12 180722M1_12	IPA	22-Jul-18	18:16:27
13	13 180722M1_13	ICV180722M1-1 PFC 537 ICV 18G1920	22-Jul-18	18:26:51
14	14 180722M1_14	IPA	22-Jul-18	18:37:21
15	15 180722M1_15	1801549-03 MCLPCD155 1.06	22-Jul-18	18:47:52
16	16 180722M1_16	1801549-04 MCLPCD156 1.03	22-Jul-18	18:58:16
17	17 180722M1_17	1801549-05 MCLPCD158 1.1	22-Jul-18	19:08:47
18	18 180722M1_18	1801549-06 MCLPCD379 1.08	22-Jul-18	19:19:17
19	19 180722M1_19	1801549-07 MCLPCD159 1.02	22-Jul-18	19:29:42
20	20 180722M1_20	1801549-08 MCLPCD170 1.1	22-Jul-18	19:40:12
21	21 180722M1_21	1801549-09 MCLPCD171 1.02	22-Jul-18	19:50:37
22	22 180722M1_22	1801549-10 MCLPCD176 1.06	22-Jul-18	20:01:07
23	23 180722M1_23	1801549-11 MCLPCD177 1.06	22-Jul-18	20:11:29
24	24 180722M1_24	1801549-12 MCLPCD179 1.1	22-Jul-18	20:21:59
25	25 180722M1_25	IPA	22-Jul-18	20:32:24
26	26 180722M1_26	ST180722M1-11 PFC CS3 18G1915	22-Jul-18	20:42:54
27	27 180722M1_27	IPA	22-Jul-18	20:53:25
28	28 180722M1_28	1801549-13 MCLPCD180 1.04	22-Jul-18	21:03:49
29	29 180722M1_29	1801549-14 MCLPCD173 1.07	22-Jul-18	21:14:19
30	30 180722M1_30	1801549-15 MCLPCD174 1.12	22-Jul-18	21:24:44
31	31 180722M1_31	1801549-16 MCLPCD380 1.02	22-Jul-18	21:35:15
32	32 180722M1_32	B8G0119-BS1 OPR 0.25	22-Jul-18	21:45:45

Dataset: Untitled

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Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
33	33 180722M1_33	B8G0119-BLK1 Method Blank 0.25	22-Jul-18	21:56:10
34	34 180722M1_34	B8G0119-MS1 Matrix Spike 0.12023	22-Jul-18	22:06:40
35	35 180722M1_35	B8G0119-MSD1 Matrix Spike Dup 0.121...	22-Jul-18	22:17:05
36	36 180722M1_36	1801547-01RE1 REEPDW1192 0.1186	22-Jul-18	22:27:35
37	37 180722M1_37	1801547-02RE1 REEPDW1193 0.11988	22-Jul-18	22:38:01
38	38 180722M1_38	1801548-01RE1 REEPDW1192FRB 0....	22-Jul-18	22:48:32
39	39 180722M1_39	1801548-02RE1 REEPDW1193FRB 0....	22-Jul-18	22:59:02
40	40 180722M1_40	1801599-01RE1 REEPDW1199 0.1219	22-Jul-18	23:09:27
41	41 180722M1_41	1801600-01RE1 REEPDW1199FRB 0....	22-Jul-18	23:19:57
42	42 180722M1_42	1801623-01RE1 SP-NorthINF-2018070...	22-Jul-18	23:30:22
43	43 180722M1_43	1801623-02RE1 SP-NorthEFF-2018070...	22-Jul-18	23:40:52
44	44 180722M1_44	1801623-03RE1 SP-SouthINF-2018070...	22-Jul-18	23:51:22
45	45 180722M1_45	IPA	23-Jul-18	00:01:47
46	46 180722M1_46	ST180722M1-12 PFC CS3 18G1915	23-Jul-18	00:12:17
47	47 180722M1_47	IPA	23-Jul-18	00:22:42
48	48 180722M1_48	1801623-04RE1 SP-SouthEFF-201807...	23-Jul-18	00:33:12
49	49 180722M1_49	1801679-01 REEPDW1203 0.11975	23-Jul-18	00:43:37
50	50 180722M1_50	1801679-02 REEPDW1204 0.12197	23-Jul-18	00:54:07
51	51 180722M1_51	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:04:32
52	52 180722M1_52	1801679-04 REEPDW569 0.12359	23-Jul-18	01:15:02
53	53 180722M1_53	1801679-03 REEPDW1200 0.12392	23-Jul-18	01:25:26
54	54 180722M1_54	1801679-04 REEPDW569 0.12359	23-Jul-18	01:35:57
55	55 180722M1_55	1801506-06 MCLPCF243 1.19	23-Jul-18	01:46:22
56	56 180722M1_56	1801506-07 MCLPCF389 1.09	23-Jul-18	01:56:52
57	57 180722M1_57	1801506-08 MCLPCF224 1	23-Jul-18	02:07:17
58	58 180722M1_58	IPA	23-Jul-18	02:17:47
59	59 180722M1_59	ST180722M1-13 PFC CS3 18G1915	23-Jul-18	02:28:12
60	60 180722M1_60	IPA	23-Jul-18	02:38:42
61	61 180722M1_61	1801506-09 MCLPCF225 1.04	23-Jul-18	02:49:07
62	62 180722M1_62	1801506-10 MCLPCF227 1.03	23-Jul-18	02:59:37
63	63 180722M1_63	1801506-11 MCLPCF387 1.01	23-Jul-18	03:10:02
64	64 180722M1_64	1801506-12 MCLPCF228 1.04	23-Jul-18	03:20:32
65	65 180722M1_65	1801506-13 MCLPCF244 1.07	23-Jul-18	03:30:57
66	66 180722M1_66	1801506-14 MCLPCF245 1.03	23-Jul-18	03:41:27
67	67 180722M1_67	1801506-15 MCLPCF246 1.07	23-Jul-18	03:51:53
68	68 180722M1_68	1801680-03 REEPDW1200FRB 0.1201	23-Jul-18	04:02:23

Dataset: Untitled

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Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
69	69 180722M1_69	B8G0023-BS1 OPR 1	23-Jul-18	04:12:48
70	70 180722M1_70	B8G0023-MS1 Matrix Spike 1.05	23-Jul-18	04:23:18
71	71 180722M1_71	IPA	23-Jul-18	04:33:42
72	72 180722M1_72	ST180722M1-14 PFC CS3 18G1915	23-Jul-18	04:44:13
73	73 180722M1_73	ST180722M1-15 PFC CS0 18G1912	23-Jul-18	04:54:38
74	74 180722M1_74	IPA	23-Jul-18	05:05:08
75	75 180722M1_75	1801714-01 REEPDW1202 0.11396	23-Jul-18	05:15:33
76	76 180722M1_76	1801714-04 REEPDW1207 0.11431	23-Jul-18	05:26:03
77	77 180722M1_77	1801714-05 REEPDW1201 0.11586	23-Jul-18	05:36:28
78	78 180722M1_78	1801506-04 MCLPCF256 1.04	23-Jul-18	05:46:59
79	79 180722M1_79	1801506-05 MCLPCF242 1.14	23-Jul-18	05:57:23
80	80 180722M1_80	B8G0053-BS1 OPR 1	23-Jul-18	06:07:54
81	81 180722M1_81	B8G0053-BLK1 Method Blank 1	23-Jul-18	06:18:24
82	82 180722M1_82	B8G0053-MS1 Matrix Spike 1.1	23-Jul-18	06:28:49
83	83 180722M1_83	B8G0053-MSD1 Matrix Spike Dup 1.12	23-Jul-18	06:39:19
84	84 180722M1_84	1801566-01 MCLPCD172 1.19	23-Jul-18	06:49:49
85	85 180722M1_85	1801566-02 MCLPCA027 1.15	23-Jul-18	07:00:14
86	86 180722M1_86	1801566-03 MCLPCA021 1.06	23-Jul-18	07:10:45
87	87 180722M1_87	1801566-04 MCLPCA365 1.04	23-Jul-18	07:21:15
88	88 180722M1_88	1801566-05 MCLPCA024 1.13	23-Jul-18	07:31:40
89	89 180722M1_89	IPA	23-Jul-18	07:42:11
90	90 180722M1_90	ST180722M1-16 PFC CS3 18G1915	23-Jul-18	07:52:35
91	91 180722M1_91	IPA	23-Jul-18	08:03:06
92	92 180722M1_92	1801566-06 MCLP18115 1.05	23-Jul-18	08:13:31
93	93 180722M1_93	1801566-07 MCLPSB080 1.24	23-Jul-18	08:24:01
94	94 180722M1_94	1801566-08 MCLPCC081 1.23	23-Jul-18	08:34:26
95	95 180722M1_95	1801566-09 MCLPCC089 1.16	23-Jul-18	08:44:56
96	96 180722M1_96	1801566-10 MCLPCC090 1.29	23-Jul-18	08:55:21
97	97 180722M1_97	1801566-11 MCLPCC086 1.17	23-Jul-18	09:05:51
98	98 180722M1_98	1801566-12 MCLPCC087 1.15	23-Jul-18	09:16:16
99	99 180722M1_99	1801566-13 MCLPCC083 1.2	23-Jul-18	09:26:47
100	1... 180722M1_100	1801566-14 MCLPCC084 1.15	23-Jul-18	09:37:12
101	1... 180722M1_101	1801566-15 MCLPCC092 1.16	23-Jul-18	09:47:42
102	1... 180722M1_102	IPA	23-Jul-18	09:58:07
103	1... 180722M1_103	ST180722M1-17 PFC CS3 18G1915	23-Jul-18	10:08:38
104	1... 180722M1_104	IPA	23-Jul-18	10:19:02

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

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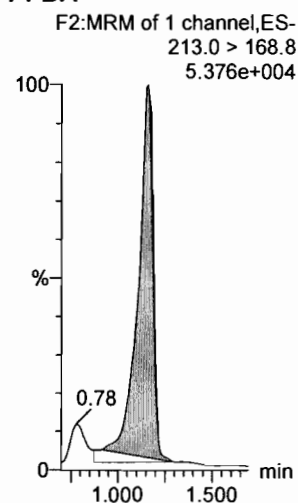
Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

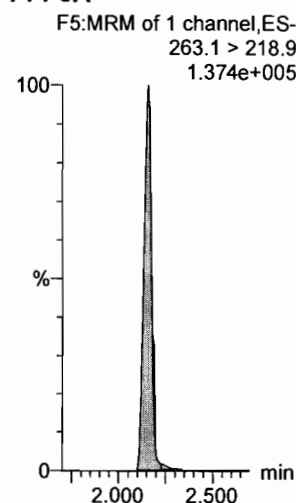
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

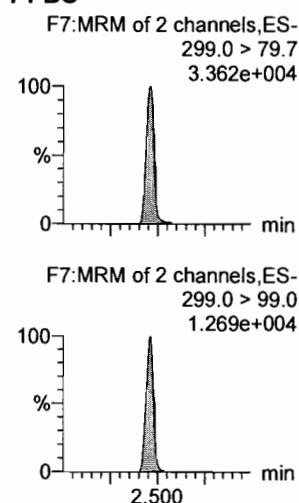
PFBA



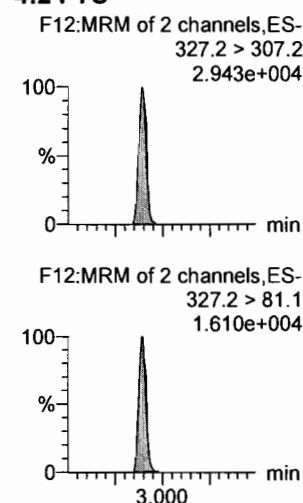
PFPeA



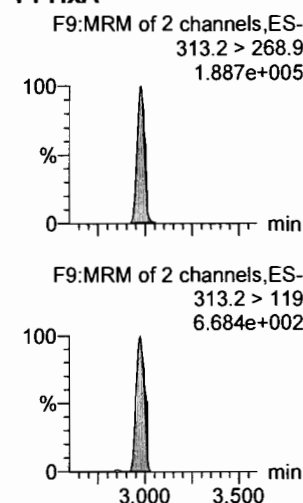
PFBS



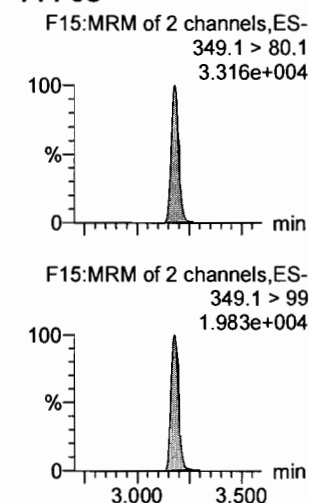
4:2 FTS



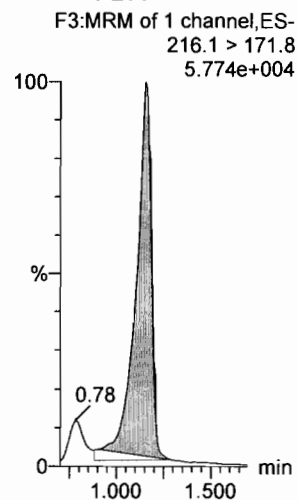
PFHxA



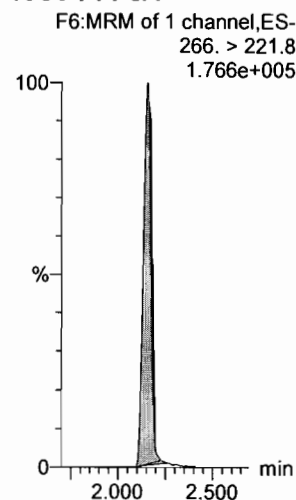
PFPeS



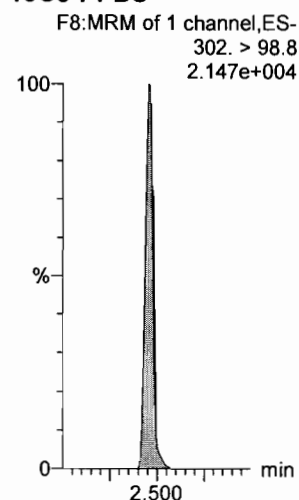
13C3-PFBA



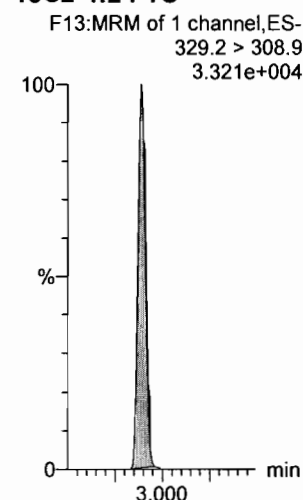
13C3-PFPeA



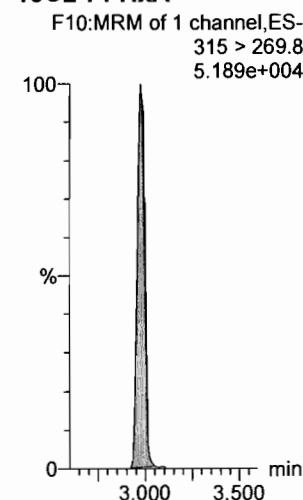
13C3-PFBS



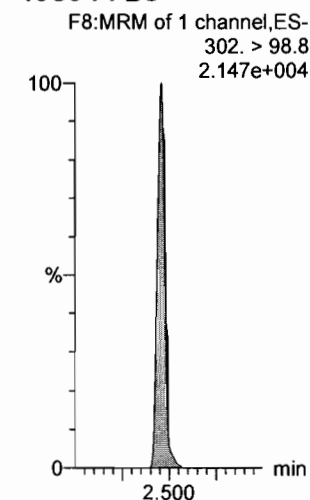
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



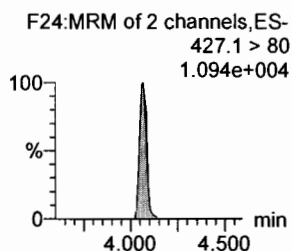
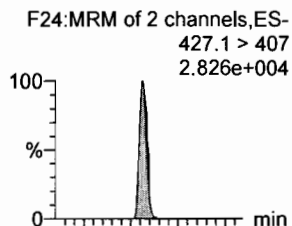
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

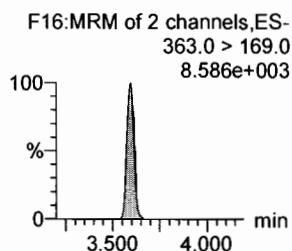
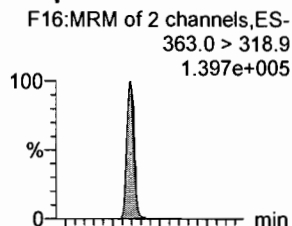
Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

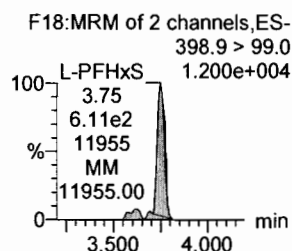
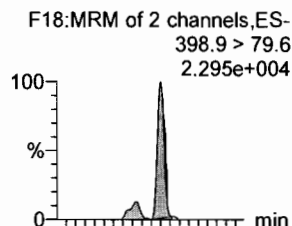
6:2 FTS



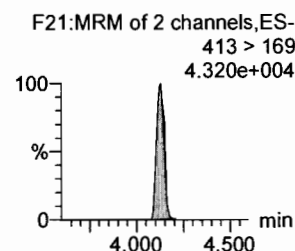
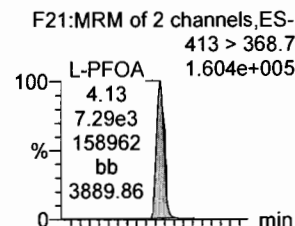
PFHpA



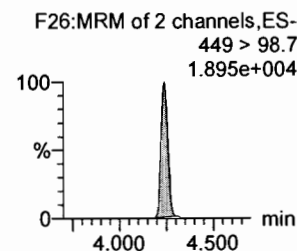
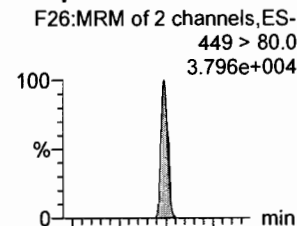
L-PFHxS



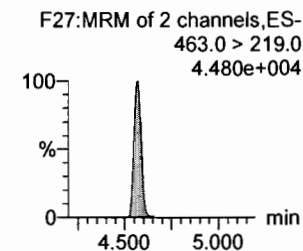
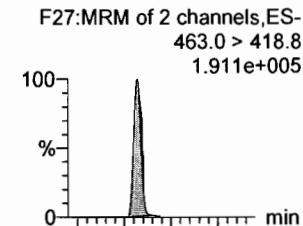
L-PFOA



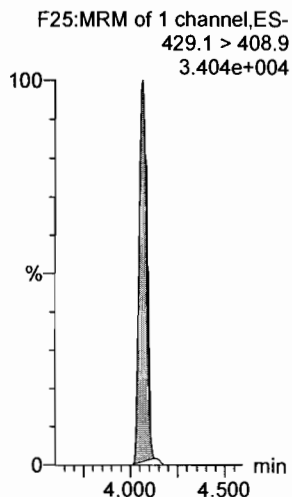
PFHpS



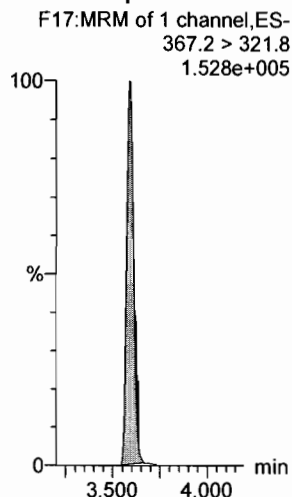
PFNA



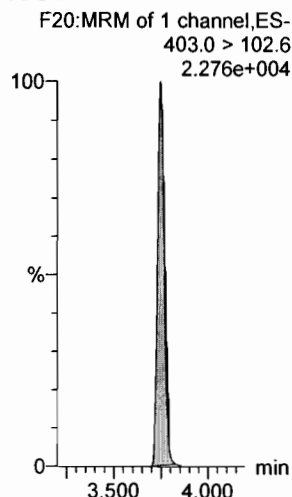
13C2-6:2 FTS



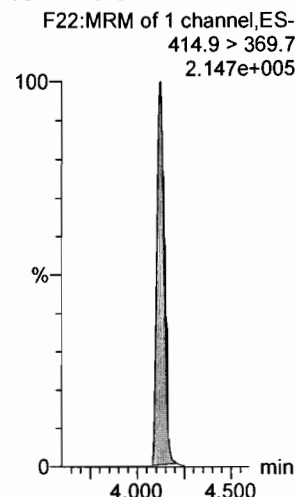
13C4-PFHpA



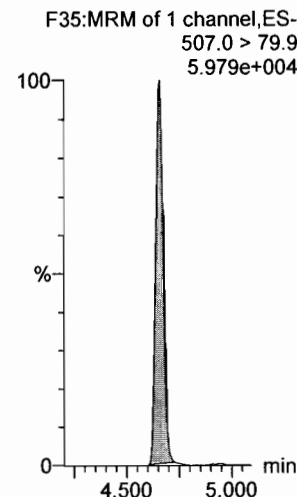
18O2-PFHxS



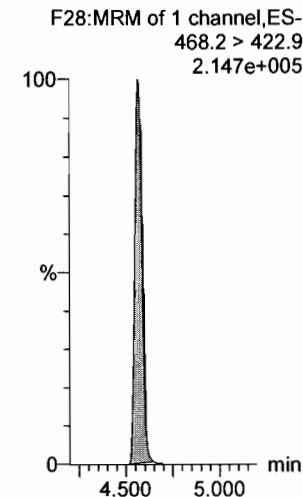
13C2-PFOA



13C8-PFOS



13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

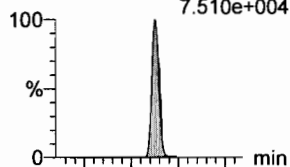
Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

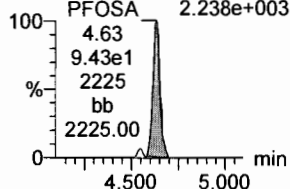
Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
7.510e+004

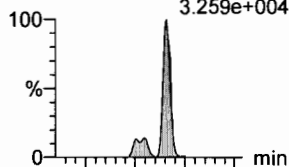


F30:MRM of 2 channels,ES-
498.2 > 169.1
2.238e+003

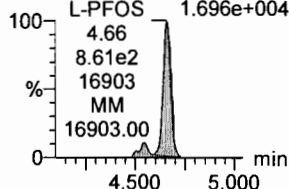


L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
3.259e+004

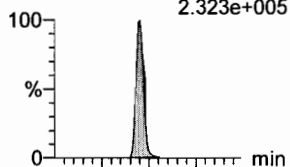


F32:MRM of 2 channels,ES-
499.1 > 98.9
1.696e+004

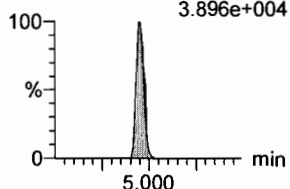


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
2.323e+005

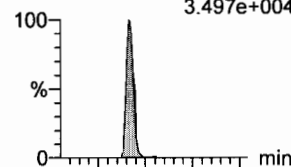


F37:MRM of 2 channels,ES-
513 > 219
3.896e+004

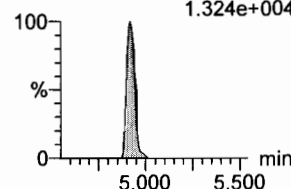


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
3.497e+004

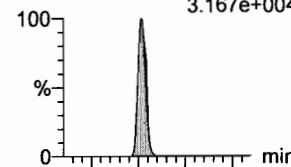


F42:MRM of 2 channels,ES-
527 > 80
1.324e+004

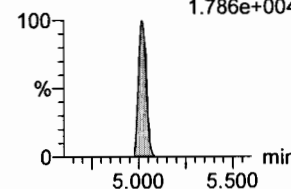


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
3.167e+004

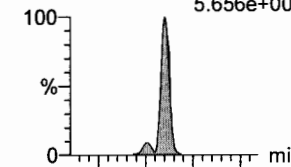


F45:MRM of 2 channels,ES-
549.1 > 99.1
1.786e+004

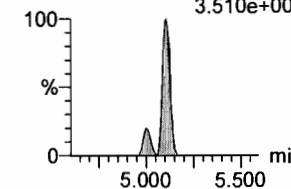


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
5.656e+004

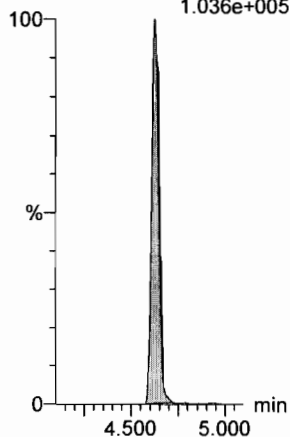


F48:MRM of 2 channels,ES-
570.1 > 483.0
3.510e+003



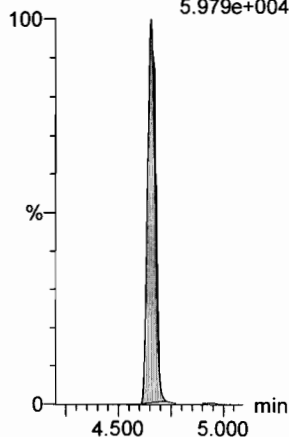
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
1.036e+005



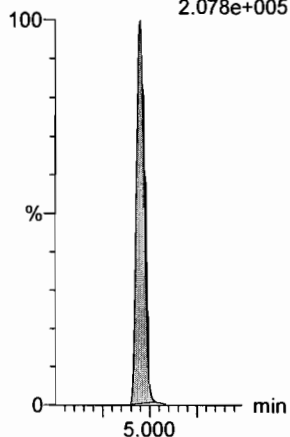
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.979e+004



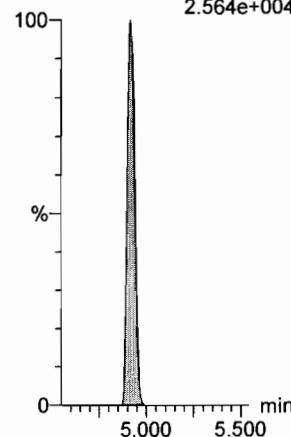
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
2.078e+005



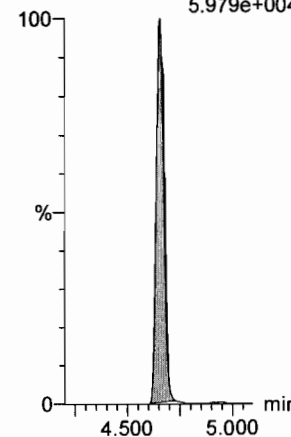
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
2.564e+004



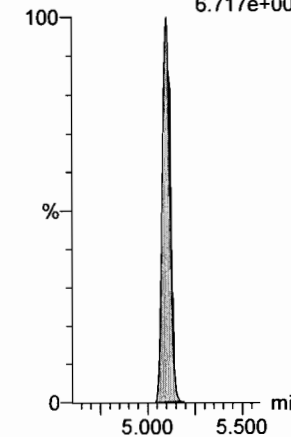
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.979e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
6.717e+004

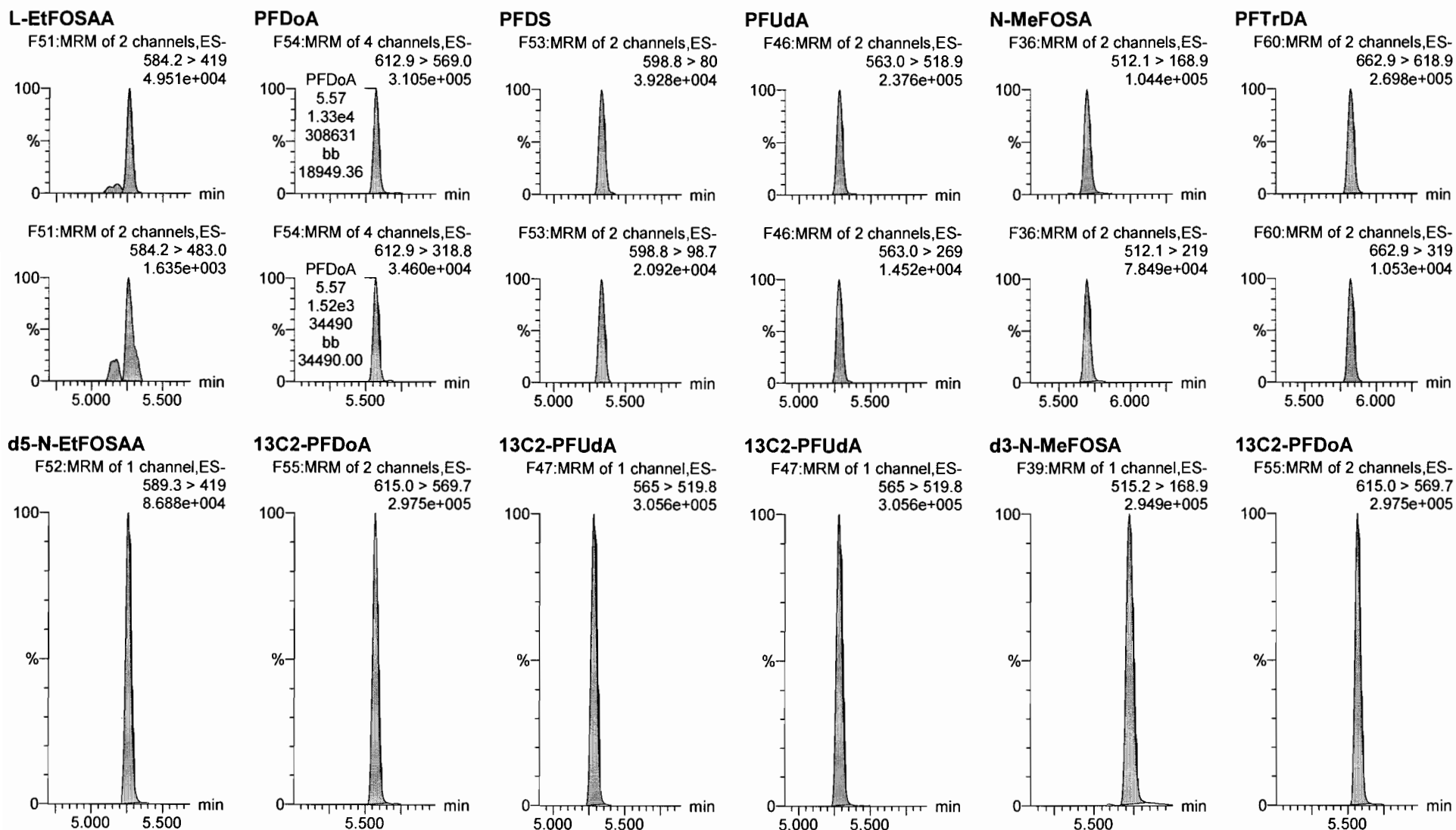


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

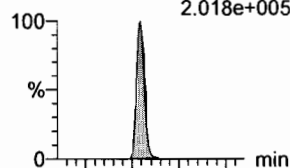
Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

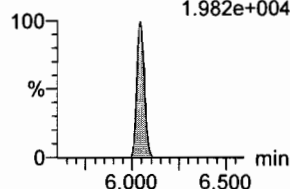
Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
2.018e+005

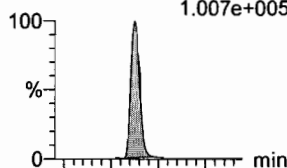


F61:MRM of 2 channels,ES-
712.9 > 369
1.982e+004

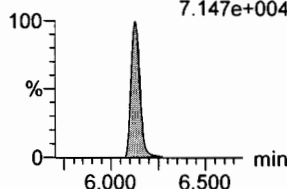


N-EtFOFA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.007e+005

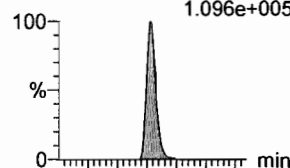


F41:MRM of 2 channels,ES-
526.1 > 219
7.147e+004

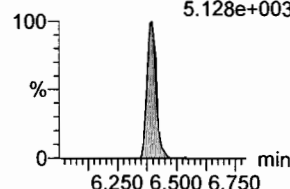


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.096e+005

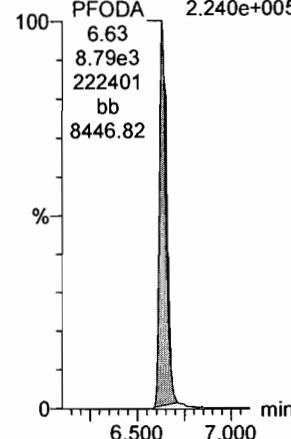


F63:MRM of 2 channels,ES-
813.1 > 219
5.128e+003



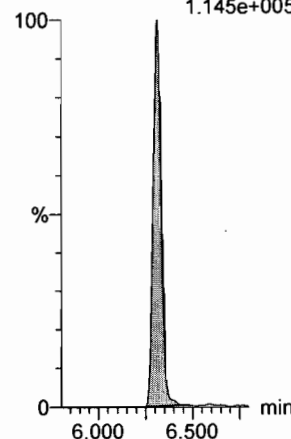
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
2.240e+005



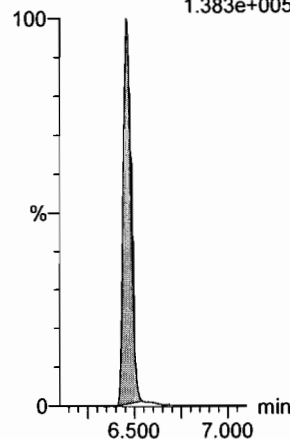
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.145e+005



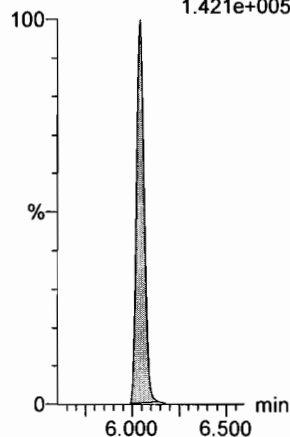
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.383e+005



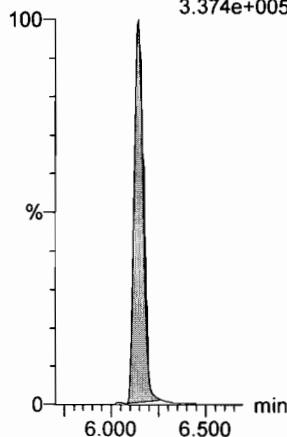
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.421e+005



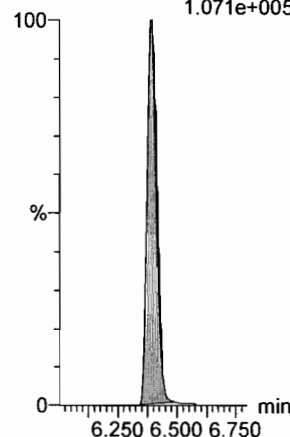
d5-N-ETFOFA

F44:MRM of 1 channel,ES-
531.1 > 168.9
3.374e+005



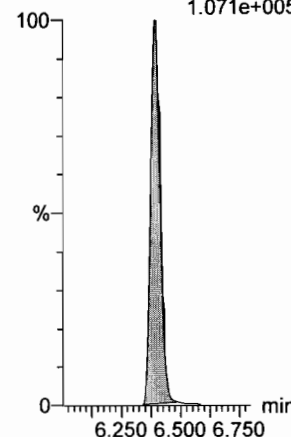
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.071e+005



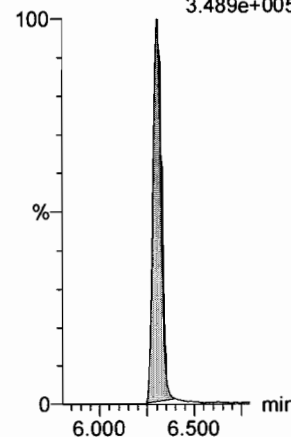
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.071e+005



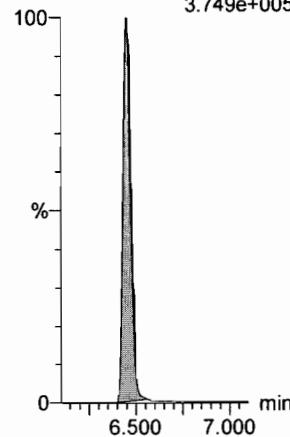
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
3.489e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
3.749e+005



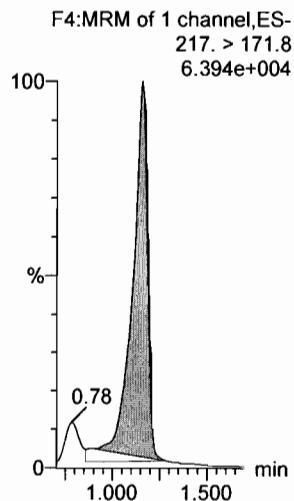
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-59.qld

Last Altered: Monday, July 23, 2018 11:37:07 Pacific Daylight Time

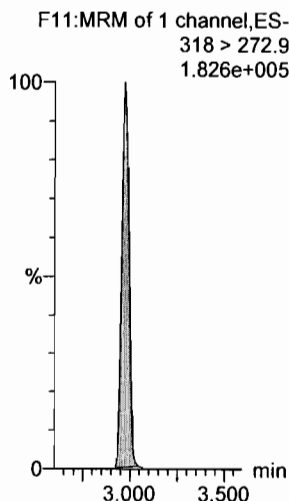
Printed: Monday, July 23, 2018 11:37:18 Pacific Daylight Time

Name: 180722M1_59, Date: 23-Jul-2018, Time: 02:28:12, ID: ST180722M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

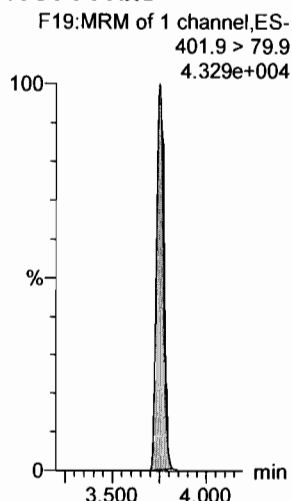
13C4-PFBA



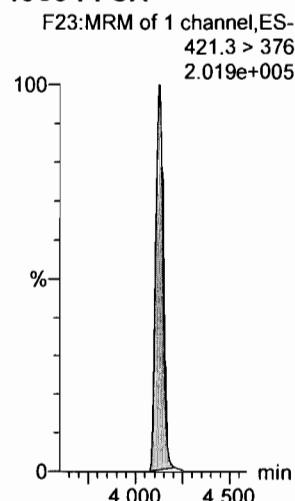
13C5-PFHxA



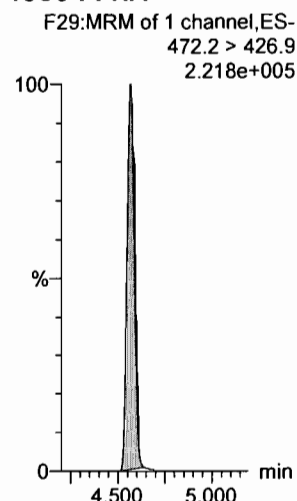
13C3-PFHxS



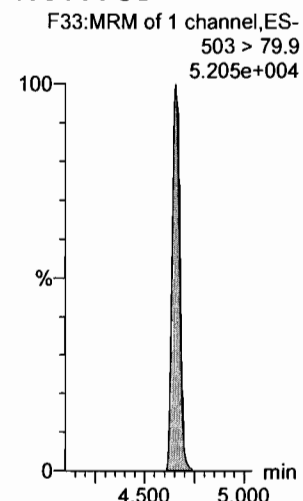
13C8-PFOA



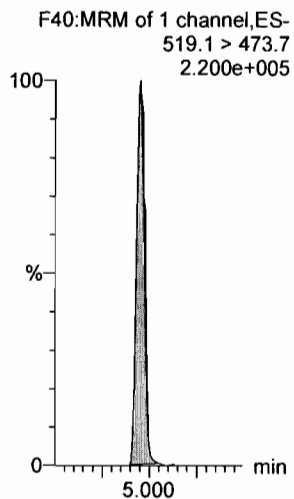
13C9-PFNA



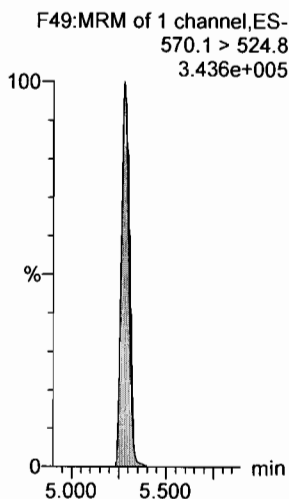
13C4-PFOS



13C6-PFDA



13C7-PFUDa



Dataset: Untitled

Last Altered: Friday, July 27, 2018 15:23:17 Pacific Daylight Time

Printed: Friday, July 27, 2018 15:23:22 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-7-27-18.mdb 27 Jul 2018 10:25:26

Calibration: 27 Jul 2018 15:19:39

Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-6 PFC CS3 18G1915	4.41e3	100.0	NO
2	2	13C5-PFHxA	ST180726M1-6 PFC CS3 18G1915	5.68e3	100.0	NO
3	3	13C3-PFHxS	ST180726M1-6 PFC CS3 18G1915	1.20e3	100.0	NO
4	4	13C8-PFOA	ST180726M1-6 PFC CS3 18G1915	6.01e3	100.0	NO
5	5	13C9-PFNA	ST180726M1-6 PFC CS3 18G1915	6.81e3	100.0	NO
6	6	13C4-PFOS	ST180726M1-6 PFC CS3 18G1915	1.42e3	100.0	NO
7	7	13C6-PFDA	ST180726M1-6 PFC CS3 18G1915	7.53e3	100.0	NO
8	8	13C7-PFUDa	ST180726M1-6 PFC CS3 18G1915	9.67e3	100.0	NO

Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-7 PFC CS4 18G1916	4.41e3	99.8	NO
2	2	13C5-PFHxA	ST180726M1-7 PFC CS4 18G1916	5.52e3	97.1	NO
3	3	13C3-PFHxS	ST180726M1-7 PFC CS4 18G1916	1.09e3	90.8	NO
4	4	13C8-PFOA	ST180726M1-7 PFC CS4 18G1916	5.74e3	95.5	NO
5	5	13C9-PFNA	ST180726M1-7 PFC CS4 18G1916	6.34e3	93.1	NO
6	6	13C4-PFOS	ST180726M1-7 PFC CS4 18G1916	1.35e3	95.1	NO
7	7	13C6-PFDA	ST180726M1-7 PFC CS4 18G1916	6.75e3	89.6	NO
8	8	13C7-PFUDa	ST180726M1-7 PFC CS4 18G1916	9.24e3	95.5	NO

Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-8 PFC CS5 18G1917	4.37e3	98.9	NO
2	2	13C5-PFHxA	ST180726M1-8 PFC CS5 18G1917	5.32e3	93.7	NO
3	3	13C3-PFHxS	ST180726M1-8 PFC CS5 18G1917	1.05e3	87.0	NO
4	4	13C8-PFOA	ST180726M1-8 PFC CS5 18G1917	5.82e3	96.9	NO
5	5	13C9-PFNA	ST180726M1-8 PFC CS5 18G1917	6.15e3	90.4	NO
6	6	13C4-PFOS	ST180726M1-8 PFC CS5 18G1917	1.19e3	83.6	NO
7	7	13C6-PFDA	ST180726M1-8 PFC CS5 18G1917	6.46e3	85.8	NO
8	8	13C7-PFUDa	ST180726M1-8 PFC CS5 18G1917	8.37e3	86.6	NO

Name: 180726M1_10, Date: 26-Jul-2018, Time: 19:03:52, ID: ST180726M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-9 PFC CS6 18G1918	4.28e3	97.0	NO
2	2	13C5-PFHxA	ST180726M1-9 PFC CS6 18G1918	4.92e3	86.6	NO
3	3	13C3-PFHxS	ST180726M1-9 PFC CS6 18G1918	1.05e3	87.6	NO
4	4	13C8-PFOA	ST180726M1-9 PFC CS6 18G1918	5.65e3	93.9	NO
5	5	13C9-PFNA	ST180726M1-9 PFC CS6 18G1918	5.83e3	85.7	NO
6	6	13C4-PFOS	ST180726M1-9 PFC CS6 18G1918	1.31e3	92.0	NO
7	7	13C6-PFDA	ST180726M1-9 PFC CS6 18G1918	6.96e3	92.5	NO
8	8	13C7-PFUDa	ST180726M1-9 PFC CS6 18G1918	8.52e3	88.1	NO

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Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-10 PFC CS7 18G1919	4.06e3	92.1	NO
2	2	13C5-PFHxA	ST180726M1-10 PFC CS7 18G1919	4.59e3	80.7	NO
3	3	13C3-PFHxS	ST180726M1-10 PFC CS7 18G1919	9.60e2	79.9	NO
4	4	13C8-PFOA	ST180726M1-10 PFC CS7 18G1919	5.34e3	88.9	NO
5	5	13C9-PFNA	ST180726M1-10 PFC CS7 18G1919	5.76e3	84.7	NO
6	6	13C4-PFOS	ST180726M1-10 PFC CS7 18G1919	1.23e3	86.6	NO
7	7	13C6-PFDA	ST180726M1-10 PFC CS7 18G1919	6.24e3	82.8	NO
8	8	13C7-PFUDa	ST180726M1-10 PFC CS7 18G1919	8.19e3	84.7	NO

Name: 180726M1_12, Date: 26-Jul-2018, Time: 19:24:48, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180726M1_13, Date: 26-Jul-2018, Time: 19:35:18, ID: ICV180726M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV180726M1-1 PFC 537 ICV 18G1920	4.38e3	99.3	NO
2	2	13C5-PFHxA	ICV180726M1-1 PFC 537 ICV 18G1920	5.12e3	90.2	NO
3	3	13C3-PFHxS	ICV180726M1-1 PFC 537 ICV 18G1920	1.09e3	91.0	NO
4	4	13C8-PFOA	ICV180726M1-1 PFC 537 ICV 18G1920	5.98e3	99.5	NO
5	5	13C9-PFNA	ICV180726M1-1 PFC 537 ICV 18G1920	7.10e3	104.3	NO
6	6	13C4-PFOS	ICV180726M1-1 PFC 537 ICV 18G1920	1.40e3	98.5	NO
7	7	13C6-PFDA	ICV180726M1-1 PFC 537 ICV 18G1920	7.14e3	94.8	NO
8	8	13C7-PFUDa	ICV180726M1-1 PFC 537 ICV 18G1920	9.35e3	96.7	NO

Name: 180726M1_14, Date: 26-Jul-2018, Time: 19:45:44, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180726M1_15, Date: 26-Jul-2018, Time: 19:56:16, ID: B8F0245-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8F0245-BS1 OPR 0.25	3.89e3	88.2	NO
2	2	13C5-PFHxA	B8F0245-BS1 OPR 0.25	4.90e3	86.3	NO
3	3	13C3-PFHxS	B8F0245-BS1 OPR 0.25	1.26e3	104.7	NO
4	4	13C8-PFOA	B8F0245-BS1 OPR 0.25	5.90e3	98.2	NO
5	5	13C9-PFNA	B8F0245-BS1 OPR 0.25	6.04e3	88.7	NO
6	6	13C4-PFOS	B8F0245-BS1 OPR 0.25	1.33e3	93.6	NO
7	7	13C6-PFDA	B8F0245-BS1 OPR 0.25	7.63e3	101.3	NO
8	8	13C7-PFUDa	B8F0245-BS1 OPR 0.25	9.89e3	102.3	NO

Name: 180726M1_16, Date: 26-Jul-2018, Time: 20:06:44, ID: B8G0070-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0070-BS1 OPR 0.125	3.03e3	68.6	NO
2	2	13C5-PFHxA	B8G0070-BS1 OPR 0.125	3.82e3	67.2	NO
3	3	13C3-PFHxS	B8G0070-BS1 OPR 0.125	1.08e3	89.6	NO
4	4	13C8-PFOA	B8G0070-BS1 OPR 0.125	4.52e3	75.3	NO
5	5	13C9-PFNA	B8G0070-BS1 OPR 0.125	5.24e3	77.1	NO
6	6	13C4-PFOS	B8G0070-BS1 OPR 0.125	1.19e3	84.2	NO
7	7	13C6-PFDA	B8G0070-BS1 OPR 0.125	5.92e3	78.6	NO
8	8	13C7-PFUDa	B8G0070-BS1 OPR 0.125	8.41e3	87.0	NO

Name: 180726M1_17, Date: 26-Jul-2018, Time: 20:17:10, ID: 1801766-05 DUP01-20180712 0.24862, Description: DUP01-20180712

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801766-05 DUP01-20180712 0.24862	2.57e3	58.3	NO
2	2	13C5-PFHxA	1801766-05 DUP01-20180712 0.24862	2.06e3	36.2	YES
3	3	13C3-PFHxS	1801766-05 DUP01-20180712 0.24862	3.98e2	33.1	YES
4	4	13C8-PFOA	1801766-05 DUP01-20180712 0.24862	2.56e3	42.6	YES
5	5	13C9-PFNA	1801766-05 DUP01-20180712 0.24862	5.13e3	75.3	NO
6	6	13C4-PFOS	1801766-05 DUP01-20180712 0.24862	5.08e2	35.8	YES
7	7	13C6-PFDA	1801766-05 DUP01-20180712 0.24862	6.52e3	86.5	NO
8	8	13C7-PFUDa	1801766-05 DUP01-20180712 0.24862	9.17e3	94.9	NO

Name: 180726M1_18, Date: 26-Jul-2018, Time: 20:27:40, ID: 1801766-06 IS720W03S-20180712 0.2337, Description: IS720W03S-20180712

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801766-06 IS720W03S-20180712 0.2...	2.94e3	66.5	NO
2	2	13C5-PFHxA	1801766-06 IS720W03S-20180712 0.2...	3.36e3	59.1	NO
3	3	13C3-PFHxS	1801766-06 IS720W03S-20180712 0.2...	1.04e3	86.5	NO
4	4	13C8-PFOA	1801766-06 IS720W03S-20180712 0.2...	3.42e3	56.9	NO
5	5	13C9-PFNA	1801766-06 IS720W03S-20180712 0.2...	3.05e3	44.7	YES
6	6	13C4-PFOS	1801766-06 IS720W03S-20180712 0.2...	1.34e3	94.4	NO
7	7	13C6-PFDA	1801766-06 IS720W03S-20180712 0.2...	3.24e3	43.1	YES
8	8	13C7-PFUDa	1801766-06 IS720W03S-20180712 0.2...	4.64e3	48.0	YES

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Name: 180726M1_19, Date: 26-Jul-2018, Time: 20:38:05, ID: 1801766-07 I012MW13S-20180712 0.22806, Description: I012MW13S-20180712

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801766-07 I012MW13S-20180712 0.2...	2.09e3	47.4	YES
2	2	13C5-PFHxA	1801766-07 I012MW13S-20180712 0.2...	1.65e3	29.1	YES
3	3	13C3-PFHxS	1801766-07 I012MW13S-20180712 0.2...	3.57e2	29.7	YES
4	4	13C8-PFOA	1801766-07 I012MW13S-20180712 0.2...	2.20e3	36.6	YES
5	5	13C9-PFNA	1801766-07 I012MW13S-20180712 0.2...	4.53e3	66.6	NO
6	6	13C4-PFOS	1801766-07 I012MW13S-20180712 0.2...	4.28e2	30.2	YES
7	7	13C6-PFDA	1801766-07 I012MW13S-20180712 0.2...	5.63e3	74.8	NO
8	8	13C7-PFUDa	1801766-07 I012MW13S-20180712 0.2...	7.79e3	80.6	NO

Name: 180726M1_20, Date: 26-Jul-2018, Time: 20:48:35, ID: 1801812-02 REEPDW1209 0.11614, Description: REEPDW1209

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801812-02 REEPDW1209 0.11614	1.90e3	43.1	YES
2	2	13C5-PFHxA	1801812-02 REEPDW1209 0.11614	2.12e3	37.3	YES
3	3	13C3-PFHxS	1801812-02 REEPDW1209 0.11614	1.02e3	84.5	NO
4	4	13C8-PFOA	1801812-02 REEPDW1209 0.11614	2.64e3	43.9	YES
5	5	13C9-PFNA	1801812-02 REEPDW1209 0.11614	2.58e3	38.0	YES
6	6	13C4-PFOS	1801812-02 REEPDW1209 0.11614	1.24e3	87.2	NO
7	7	13C6-PFDA	1801812-02 REEPDW1209 0.11614	2.93e3	39.0	YES
8	8	13C7-PFUDa	1801812-02 REEPDW1209 0.11614	4.03e3	41.7	YES

Name: 180726M1_21, Date: 26-Jul-2018, Time: 20:58:59, ID: 1801812-03 REEPDW1210 0.12112, Description: REEPDW1210

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801812-03 REEPDW1210 0.12112	2.60e3	58.8	NO
2	2	13C5-PFHxA	1801812-03 REEPDW1210 0.12112	3.07e3	54.0	NO
3	3	13C3-PFHxS	1801812-03 REEPDW1210 0.12112	1.02e3	84.9	NO
4	4	13C8-PFOA	1801812-03 REEPDW1210 0.12112	3.17e3	52.7	NO
5	5	13C9-PFNA	1801812-03 REEPDW1210 0.12112	3.41e3	50.1	NO
6	6	13C4-PFOS	1801812-03 REEPDW1210 0.12112	1.21e3	85.4	NO
7	7	13C6-PFDA	1801812-03 REEPDW1210 0.12112	3.44e3	45.6	YES
8	8	13C7-PFUDa	1801812-03 REEPDW1210 0.12112	5.10e3	52.8	NO

Name: 180726M1_22, Date: 26-Jul-2018, Time: 21:11:36, ID: 1801812-05 REEPDW1211 0.11713, Description: REEPDW1211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801812-05 REEPDW1211 0.11713	2.41e3	54.5	NO
2	2	13C5-PFHxA	1801812-05 REEPDW1211 0.11713	2.76e3	48.5	YES
3	3	13C3-PFHxS	1801812-05 REEPDW1211 0.11713	1.30e3	107.8	NO
4	4	13C8-PFOA	1801812-05 REEPDW1211 0.11713	2.70e3	44.9	YES
5	5	13C9-PFNA	1801812-05 REEPDW1211 0.11713	3.08e3	45.3	YES
6	6	13C4-PFOS	1801812-05 REEPDW1211 0.11713	1.58e3	111.6	NO
7	7	13C6-PFDA	1801812-05 REEPDW1211 0.11713	3.26e3	43.3	YES
8	8	13C7-PFUDa	1801812-05 REEPDW1211 0.11713	4.26e3	44.1	YES

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Name: 180726M1_23, Date: 26-Jul-2018, Time: 21:22:01, ID: B8G0168-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0168-BS1 OPR 0.125	2.48e3	56.2	NO
2	2	13C5-PFHxA	B8G0168-BS1 OPR 0.125	3.38e3	59.6	NO
3	3	13C3-PFHxS	B8G0168-BS1 OPR 0.125	8.50e2	70.7	NO
4	4	13C8-PFOA	B8G0168-BS1 OPR 0.125	2.73e3	45.4	YES
5	5	13C9-PFNA	B8G0168-BS1 OPR 0.125	3.76e3	55.3	NO
6	6	13C4-PFOS	B8G0168-BS1 OPR 0.125	1.04e3	73.2	NO
7	7	13C6-PFDA	B8G0168-BS1 OPR 0.125	4.60e3	61.0	NO
8	8	13C7-PFUDa	B8G0168-BS1 OPR 0.125	5.70e3	59.0	NO

Name: 180726M1_24, Date: 26-Jul-2018, Time: 21:32:31, ID: B8G0168-MS1 Matrix Spike 0.1215, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0168-MS1 Matrix Spike 0.1215	2.68e3	60.8	NO
2	2	13C5-PFHxA	B8G0168-MS1 Matrix Spike 0.1215	3.48e3	61.2	NO
3	3	13C3-PFHxS	B8G0168-MS1 Matrix Spike 0.1215	8.73e2	72.6	NO
4	4	13C8-PFOA	B8G0168-MS1 Matrix Spike 0.1215	3.50e3	58.2	NO
5	5	13C9-PFNA	B8G0168-MS1 Matrix Spike 0.1215	4.64e3	68.1	NO
6	6	13C4-PFOS	B8G0168-MS1 Matrix Spike 0.1215	9.94e2	70.1	NO
7	7	13C6-PFDA	B8G0168-MS1 Matrix Spike 0.1215	4.80e3	63.7	NO
8	8	13C7-PFUDa	B8G0168-MS1 Matrix Spike 0.1215	6.70e3	69.3	NO

Name: 180726M1_25, Date: 26-Jul-2018, Time: 21:42:56, ID: B8G0168-MSD1 Matrix Spike Dup 0.12104, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0168-MSD1 Matrix Spike Dup 0.121...	3.04e3	68.9	NO
2	2	13C5-PFHxA	B8G0168-MSD1 Matrix Spike Dup 0.121...	3.78e3	66.5	NO
3	3	13C3-PFHxS	B8G0168-MSD1 Matrix Spike Dup 0.121...	8.47e2	70.5	NO
4	4	13C8-PFOA	B8G0168-MSD1 Matrix Spike Dup 0.121...	4.05e3	67.4	NO
5	5	13C9-PFNA	B8G0168-MSD1 Matrix Spike Dup 0.121...	4.66e3	68.5	NO
6	6	13C4-PFOS	B8G0168-MSD1 Matrix Spike Dup 0.121...	1.04e3	73.5	NO
7	7	13C6-PFDA	B8G0168-MSD1 Matrix Spike Dup 0.121...	4.86e3	64.5	NO
8	8	13C7-PFUDa	B8G0168-MSD1 Matrix Spike Dup 0.121...	6.60e3	68.2	NO

Name: 180726M1_26, Date: 26-Jul-2018, Time: 21:53:26, ID: B8G0168-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0168-BLK1 Method Blank 0.125	2.84e3	64.3	NO
2	2	13C5-PFHxA	B8G0168-BLK1 Method Blank 0.125	3.64e3	64.1	NO
3	3	13C3-PFHxS	B8G0168-BLK1 Method Blank 0.125	9.03e2	75.1	NO
4	4	13C8-PFOA	B8G0168-BLK1 Method Blank 0.125	3.05e3	50.7	NO
5	5	13C9-PFNA	B8G0168-BLK1 Method Blank 0.125	4.35e3	63.9	NO
6	6	13C4-PFOS	B8G0168-BLK1 Method Blank 0.125	1.04e3	73.7	NO
7	7	13C6-PFDA	B8G0168-BLK1 Method Blank 0.125	4.92e3	65.3	NO
8	8	13C7-PFUDa	B8G0168-BLK1 Method Blank 0.125	6.93e3	71.6	NO

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Name: 180726M1_27, Date: 26-Jul-2018, Time: 22:03:52, ID: 1801866-10 WI-A06-6-S-42-0718 0.12117, Description: WI-A06-6-S-42-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-10 WI-A06-6-S-42-0718 0.121...	2.68e3	60.7	NO
2	2	13C5-PFHxA	1801866-10 WI-A06-6-S-42-0718 0.121...	3.23e3	56.8	NO
3	3	13C3-PFHxS	1801866-10 WI-A06-6-S-42-0718 0.121...	7.88e2	65.6	NO
4	4	13C8-PFOA	1801866-10 WI-A06-6-S-42-0718 0.121...	3.51e3	58.3	NO
5	5	13C9-PFNA	1801866-10 WI-A06-6-S-42-0718 0.121...	4.10e3	60.3	NO
6	6	13C4-PFOS	1801866-10 WI-A06-6-S-42-0718 0.121...	8.97e2	63.3	NO
7	7	13C6-PFDA	1801866-10 WI-A06-6-S-42-0718 0.121...	4.53e3	60.2	NO
8	8	13C7-PFUDa	1801866-10 WI-A06-6-S-42-0718 0.121...	5.80e3	60.0	NO

Name: 180726M1_28, Date: 26-Jul-2018, Time: 22:14:22, ID: 1801866-11 WI-A06-6-S-42P-0718 0.11933, Description: WI-A06-6-S-42P-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-11 WI-A06-6-S-42P-0718 0.11...	2.65e3	60.0	NO
2	2	13C5-PFHxA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.34e3	58.7	NO
3	3	13C3-PFHxS	1801866-11 WI-A06-6-S-42P-0718 0.11...	7.89e2	65.7	NO
4	4	13C8-PFOA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.28e3	54.6	NO
5	5	13C9-PFNA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.94e3	57.9	NO
6	6	13C4-PFOS	1801866-11 WI-A06-6-S-42P-0718 0.11...	9.47e2	66.8	NO
7	7	13C6-PFDA	1801866-11 WI-A06-6-S-42P-0718 0.11...	4.41e3	58.5	NO
8	8	13C7-PFUDa	1801866-11 WI-A06-6-S-42P-0718 0.11...	5.63e3	58.3	NO

Name: 180726M1_29, Date: 26-Jul-2018, Time: 22:24:47, ID: 1801866-14 WI-A06-6-S-43-0718 0.11949, Description: WI-A06-6-S-43-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-14 WI-A06-6-S-43-0718 0.119...	2.89e3	65.5	NO
2	2	13C5-PFHxA	1801866-14 WI-A06-6-S-43-0718 0.119...	3.86e3	67.9	NO
3	3	13C3-PFHxS	1801866-14 WI-A06-6-S-43-0718 0.119...	8.59e2	71.5	NO
4	4	13C8-PFOA	1801866-14 WI-A06-6-S-43-0718 0.119...	3.64e3	60.5	NO
5	5	13C9-PFNA	1801866-14 WI-A06-6-S-43-0718 0.119...	4.15e3	60.9	NO
6	6	13C4-PFOS	1801866-14 WI-A06-6-S-43-0718 0.119...	1.14e3	80.7	NO
7	7	13C6-PFDA	1801866-14 WI-A06-6-S-43-0718 0.119...	4.75e3	63.1	NO
8	8	13C7-PFUDa	1801866-14 WI-A06-6-S-43-0718 0.119...	6.18e3	63.9	NO

Name: 180726M1_30, Date: 26-Jul-2018, Time: 22:35:18, ID: B8G0166-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0166-BS1 OPR 0.125	2.38e3	53.8	NO
2	2	13C5-PFHxA	B8G0166-BS1 OPR 0.125	3.00e3	52.8	NO
3	3	13C3-PFHxS	B8G0166-BS1 OPR 0.125	7.97e2	66.3	NO
4	4	13C8-PFOA	B8G0166-BS1 OPR 0.125	3.23e3	53.7	NO
5	5	13C9-PFNA	B8G0166-BS1 OPR 0.125	3.09e3	45.3	YES
6	6	13C4-PFOS	B8G0166-BS1 OPR 0.125	9.12e2	64.3	NO
7	7	13C6-PFDA	B8G0166-BS1 OPR 0.125	4.27e3	56.7	NO
8	8	13C7-PFUDa	B8G0166-BS1 OPR 0.125	5.90e3	61.0	NO

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Name: 180726M1_31, Date: 26-Jul-2018, Time: 22:45:48, ID: B8G0166-MS1 Matrix Spike 0.11912, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0166-MS1 Matrix Spike 0.11912	2.17e3	49.2	YES
2	2	13C5-PFHxA	B8G0166-MS1 Matrix Spike 0.11912	2.86e3	50.3	NO
3	3	13C3-PFHxS	B8G0166-MS1 Matrix Spike 0.11912	7.69e2	64.0	NO
4	4	13C8-PFOA	B8G0166-MS1 Matrix Spike 0.11912	3.14e3	52.3	NO
5	5	13C9-PFNA	B8G0166-MS1 Matrix Spike 0.11912	3.71e3	54.5	NO
6	6	13C4-PFOS	B8G0166-MS1 Matrix Spike 0.11912	9.34e2	65.8	NO
7	7	13C6-PFDA	B8G0166-MS1 Matrix Spike 0.11912	4.21e3	55.9	NO
8	8	13C7-PFUdA	B8G0166-MS1 Matrix Spike 0.11912	5.61e3	58.0	NO

Name: 180726M1_32, Date: 26-Jul-2018, Time: 22:56:13, ID: B8G0166-MSD1 Matrix Spike Dup 0.1183, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0166-MSD1 Matrix Spike Dup 0.1183	2.49e3	56.5	NO
2	2	13C5-PFHxA	B8G0166-MSD1 Matrix Spike Dup 0.1183	3.22e3	56.7	NO
3	3	13C3-PFHxS	B8G0166-MSD1 Matrix Spike Dup 0.1183	8.14e2	67.7	NO
4	4	13C8-PFOA	B8G0166-MSD1 Matrix Spike Dup 0.1183	3.77e3	62.8	NO
5	5	13C9-PFNA	B8G0166-MSD1 Matrix Spike Dup 0.1183	3.65e3	53.7	NO
6	6	13C4-PFOS	B8G0166-MSD1 Matrix Spike Dup 0.1183	9.00e2	63.4	NO
7	7	13C6-PFDA	B8G0166-MSD1 Matrix Spike Dup 0.1183	4.12e3	54.7	NO
8	8	13C7-PFUdA	B8G0166-MSD1 Matrix Spike Dup 0.1183	5.88e3	60.8	NO

Name: 180726M1_33, Date: 26-Jul-2018, Time: 23:06:43, ID: B8G0166-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0166-BLK1 Method Blank 0.125	2.64e3	59.8	NO
2	2	13C5-PFHxA	B8G0166-BLK1 Method Blank 0.125	3.45e3	60.7	NO
3	3	13C3-PFHxS	B8G0166-BLK1 Method Blank 0.125	9.21e2	76.7	NO
4	4	13C8-PFOA	B8G0166-BLK1 Method Blank 0.125	4.54e3	75.5	NO
5	5	13C9-PFNA	B8G0166-BLK1 Method Blank 0.125	4.77e3	70.0	NO
6	6	13C4-PFOS	B8G0166-BLK1 Method Blank 0.125	1.06e3	74.9	NO
7	7	13C6-PFDA	B8G0166-BLK1 Method Blank 0.125	5.12e3	67.9	NO
8	8	13C7-PFUdA	B8G0166-BLK1 Method Blank 0.125	7.70e3	79.6	NO

Name: 180726M1_34, Date: 26-Jul-2018, Time: 23:17:08, ID: 1801866-01 WI-A06-FB01-071718 0.11966, Description: WI-A06-FB01-071718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-01 WI-A06-FB01-071718 0.11...	2.43e3	54.9	NO
2	2	13C5-PFHxA	1801866-01 WI-A06-FB01-071718 0.11...	3.42e3	60.3	NO
3	3	13C3-PFHxS	1801866-01 WI-A06-FB01-071718 0.11...	8.16e2	67.9	NO
4	4	13C8-PFOA	1801866-01 WI-A06-FB01-071718 0.11...	3.75e3	62.5	NO
5	5	13C9-PFNA	1801866-01 WI-A06-FB01-071718 0.11...	3.76e3	55.2	NO
6	6	13C4-PFOS	1801866-01 WI-A06-FB01-071718 0.11...	1.06e3	74.9	NO
7	7	13C6-PFDA	1801866-01 WI-A06-FB01-071718 0.11...	4.59e3	61.0	NO
8	8	13C7-PFUdA	1801866-01 WI-A06-FB01-071718 0.11...	6.23e3	64.5	NO

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Name: 180726M1_35, Date: 26-Jul-2018, Time: 23:27:38, ID: 1801866-02 WI-A06-S-11-0718 0.12042, Description: WI-A06-S-11-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-02 WI-A06-S-11-0718 0.12042	2.65e3	59.9	NO
2	2	13C5-PFHxA	1801866-02 WI-A06-S-11-0718 0.12042	3.54e3	62.3	NO
3	3	13C3-PFHxS	1801866-02 WI-A06-S-11-0718 0.12042	8.04e2	66.9	NO
4	4	13C8-PFOA	1801866-02 WI-A06-S-11-0718 0.12042	3.91e3	65.0	NO
5	5	13C9-PFNA	1801866-02 WI-A06-S-11-0718 0.12042	3.87e3	56.9	NO
6	6	13C4-PFOS	1801866-02 WI-A06-S-11-0718 0.12042	9.54e2	67.3	NO
7	7	13C6-PFDA	1801866-02 WI-A06-S-11-0718 0.12042	4.38e3	58.2	NO
8	8	13C7-PFUDa	1801866-02 WI-A06-S-11-0718 0.12042	6.33e3	65.5	NO

Name: 180726M1_36, Date: 26-Jul-2018, Time: 23:38:04, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180726M1_37, Date: 26-Jul-2018, Time: 23:48:34, ID: ST180726M1-11 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-11 PFC CS3 18G1915	4.27e3	96.7	NO
2	2	13C5-PFHxA	ST180726M1-11 PFC CS3 18G1915	4.97e3	87.5	NO
3	3	13C3-PFHxS	ST180726M1-11 PFC CS3 18G1915	1.07e3	89.4	NO
4	4	13C8-PFOA	ST180726M1-11 PFC CS3 18G1915	5.57e3	92.7	NO
5	5	13C9-PFNA	ST180726M1-11 PFC CS3 18G1915	6.20e3	91.1	NO
6	6	13C4-PFOS	ST180726M1-11 PFC CS3 18G1915	1.30e3	92.0	NO
7	7	13C6-PFDA	ST180726M1-11 PFC CS3 18G1915	6.16e3	81.8	NO
8	8	13C7-PFUDa	ST180726M1-11 PFC CS3 18G1915	8.73e3	90.3	NO

Name: 180726M1_38, Date: 26-Jul-2018, Time: 23:58:59, ID: 1801866-03 WI-A06-6-S-40-0718 0.1204, Description: WI-A06-6-S-40-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-03 WI-A06-6-S-40-0718 0.1204	2.43e3	55.0	NO
2	2	13C5-PFHxA	1801866-03 WI-A06-6-S-40-0718 0.1204	3.08e3	54.3	NO
3	3	13C3-PFHxS	1801866-03 WI-A06-6-S-40-0718 0.1204	7.62e2	63.4	NO
4	4	13C8-PFOA	1801866-03 WI-A06-6-S-40-0718 0.1204	3.46e3	57.5	NO
5	5	13C9-PFNA	1801866-03 WI-A06-6-S-40-0718 0.1204	3.43e3	50.4	NO
6	6	13C4-PFOS	1801866-03 WI-A06-6-S-40-0718 0.1204	8.38e2	59.1	NO
7	7	13C6-PFDA	1801866-03 WI-A06-6-S-40-0718 0.1204	3.83e3	50.8	NO
8	8	13C7-PFUDa	1801866-03 WI-A06-6-S-40-0718 0.1204	5.49e3	56.7	NO

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Name: 180726M1_39, Date: 27-Jul-2018, Time: 00:09:30, ID: 1801866-04 WI-A06-FB02-071818 0.12133,
Description: WI-A06-FB02-071818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-04 WI-A06-FB02-071818 0.12...	3.06e3	69.2	NO
2	2	13C5-PFHxA	1801866-04 WI-A06-FB02-071818 0.12...	3.79e3	66.8	NO
3	3	13C3-PFHxS	1801866-04 WI-A06-FB02-071818 0.12...	7.85e2	65.3	NO
4	4	13C8-PFOA	1801866-04 WI-A06-FB02-071818 0.12...	4.00e3	66.6	NO
5	5	13C9-PFNA	1801866-04 WI-A06-FB02-071818 0.12...	4.13e3	60.7	NO
6	6	13C4-PFOS	1801866-04 WI-A06-FB02-071818 0.12...	9.22e2	65.0	NO
7	7	13C6-PFDA	1801866-04 WI-A06-FB02-071818 0.12...	4.60e3	61.1	NO
8	8	13C7-PFUDa	1801866-04 WI-A06-FB02-071818 0.12...	6.00e3	62.1	NO

Name: 180726M1_40, Date: 27-Jul-2018, Time: 00:20:00, ID: 1801866-05 WI-A06-EB01-071718 0.11941,
Description: WI-A06-EB01-071718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-05 WI-A06-EB01-071718 0.11...	2.95e3	66.8	NO
2	2	13C5-PFHxA	1801866-05 WI-A06-EB01-071718 0.11...	3.61e3	63.6	NO
3	3	13C3-PFHxS	1801866-05 WI-A06-EB01-071718 0.11...	8.47e2	70.5	NO
4	4	13C8-PFOA	1801866-05 WI-A06-EB01-071718 0.11...	4.03e3	67.1	NO
5	5	13C9-PFNA	1801866-05 WI-A06-EB01-071718 0.11...	3.94e3	58.0	NO
6	6	13C4-PFOS	1801866-05 WI-A06-EB01-071718 0.11...	8.89e2	62.7	NO
7	7	13C6-PFDA	1801866-05 WI-A06-EB01-071718 0.11...	4.38e3	58.2	NO
8	8	13C7-PFUDa	1801866-05 WI-A06-EB01-071718 0.11...	6.22e3	64.4	NO

Name: 180726M1_41, Date: 27-Jul-2018, Time: 00:30:25, ID: 1801866-06 WI-A06-EB02-071718 0.12062,
Description: WI-A06-EB02-071718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-06 WI-A06-EB02-071718 0.12...	2.52e3	57.1	NO
2	2	13C5-PFHxA	1801866-06 WI-A06-EB02-071718 0.12...	3.26e3	57.4	NO
3	3	13C3-PFHxS	1801866-06 WI-A06-EB02-071718 0.12...	8.10e2	67.4	NO
4	4	13C8-PFOA	1801866-06 WI-A06-EB02-071718 0.12...	3.64e3	60.6	NO
5	5	13C9-PFNA	1801866-06 WI-A06-EB02-071718 0.12...	4.08e3	59.9	NO
6	6	13C4-PFOS	1801866-06 WI-A06-EB02-071718 0.12...	9.92e2	70.0	NO
7	7	13C6-PFDA	1801866-06 WI-A06-EB02-071718 0.12...	4.14e3	54.9	NO
8	8	13C7-PFUDa	1801866-06 WI-A06-EB02-071718 0.12...	5.22e3	54.0	NO

Name: 180726M1_42, Date: 27-Jul-2018, Time: 00:40:55, ID: 1801866-07 WI-A06-EB03-071718 0.12183,
Description: WI-A06-EB03-071718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-07 WI-A06-EB03-071718 0.12...	2.25e3	50.9	NO
2	2	13C5-PFHxA	1801866-07 WI-A06-EB03-071718 0.12...	3.11e3	54.7	NO
3	3	13C3-PFHxS	1801866-07 WI-A06-EB03-071718 0.12...	6.40e2	53.3	NO
4	4	13C8-PFOA	1801866-07 WI-A06-EB03-071718 0.12...	3.28e3	54.6	NO
5	5	13C9-PFNA	1801866-07 WI-A06-EB03-071718 0.12...	3.25e3	47.8	YES
6	6	13C4-PFOS	1801866-07 WI-A06-EB03-071718 0.12...	7.84e2	55.3	NO
7	7	13C6-PFDA	1801866-07 WI-A06-EB03-071718 0.12...	4.19e3	55.6	NO
8	8	13C7-PFUDa	1801866-07 WI-A06-EB03-071718 0.12...	5.01e3	51.9	NO

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Name: 180726M1_43, Date: 27-Jul-2018, Time: 00:51:21, ID: 1801866-08 WI-A06-EB04-071818 0.12131,
Description: WI-A06-EB04-071818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-08 WI-A06-EB04-071818 0.12...	2.23e3	50.6	NO
2	2	13C5-PFHxA	1801866-08 WI-A06-EB04-071818 0.12...	2.85e3	50.2	NO
3	3	13C3-PFHxS	1801866-08 WI-A06-EB04-071818 0.12...	7.20e2	59.9	NO
4	4	13C8-PFOA	1801866-08 WI-A06-EB04-071818 0.12...	3.63e3	60.4	NO
5	5	13C9-PFNA	1801866-08 WI-A06-EB04-071818 0.12...	3.95e3	58.0	NO
6	6	13C4-PFOS	1801866-08 WI-A06-EB04-071818 0.12...	7.75e2	54.6	NO
7	7	13C6-PFDA	1801866-08 WI-A06-EB04-071818 0.12...	4.18e3	55.4	NO
8	8	13C7-PFUDa	1801866-08 WI-A06-EB04-071818 0.12...	5.52e3	57.1	NO

Name: 180726M1_44, Date: 27-Jul-2018, Time: 01:01:50, ID: 1801866-09 WI-A06-6-S-41-0718 0.12119,
Description: WI-A06-6-S-41-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-09 WI-A06-6-S-41-0718 0.121...	2.26e3	51.1	NO
2	2	13C5-PFHxA	1801866-09 WI-A06-6-S-41-0718 0.121...	2.94e3	51.8	NO
3	3	13C3-PFHxS	1801866-09 WI-A06-6-S-41-0718 0.121...	7.96e2	66.2	NO
4	4	13C8-PFOA	1801866-09 WI-A06-6-S-41-0718 0.121...	3.63e3	60.3	NO
5	5	13C9-PFNA	1801866-09 WI-A06-6-S-41-0718 0.121...	3.51e3	51.5	NO
6	6	13C4-PFOS	1801866-09 WI-A06-6-S-41-0718 0.121...	9.89e2	69.8	NO
7	7	13C6-PFDA	1801866-09 WI-A06-6-S-41-0718 0.121...	3.89e3	51.7	NO
8	8	13C7-PFUDa	1801866-09 WI-A06-6-S-41-0718 0.121...	5.39e3	55.8	NO

Name: 180726M1_45, Date: 27-Jul-2018, Time: 01:12:16, ID: 1801866-10 WI-A06-6-S-42-0718 0.12184,
Description: WI-A06-6-S-42-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-10 WI-A06-6-S-42-0718 0.121...	2.19e3	49.6	YES
2	2	13C5-PFHxA	1801866-10 WI-A06-6-S-42-0718 0.121...	2.94e3	51.8	NO
3	3	13C3-PFHxS	1801866-10 WI-A06-6-S-42-0718 0.121...	7.88e2	65.5	NO
4	4	13C8-PFOA	1801866-10 WI-A06-6-S-42-0718 0.121...	3.59e3	59.7	NO
5	5	13C9-PFNA	1801866-10 WI-A06-6-S-42-0718 0.121...	3.56e3	52.3	NO
6	6	13C4-PFOS	1801866-10 WI-A06-6-S-42-0718 0.121...	7.87e2	55.5	NO
7	7	13C6-PFDA	1801866-10 WI-A06-6-S-42-0718 0.121...	4.03e3	53.5	NO
8	8	13C7-PFUDa	1801866-10 WI-A06-6-S-42-0718 0.121...	5.67e3	58.6	NO

Name: 180726M1_46, Date: 27-Jul-2018, Time: 01:22:47, ID: 1801866-11 WI-A06-6-S-42P-0718 0.11938,
Description: WI-A06-6-S-42P-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-11 WI-A06-6-S-42P-0718 0.11...	2.43e3	55.0	NO
2	2	13C5-PFHxA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.17e3	55.8	NO
3	3	13C3-PFHxS	1801866-11 WI-A06-6-S-42P-0718 0.11...	8.00e2	66.5	NO
4	4	13C8-PFOA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.77e3	62.8	NO
5	5	13C9-PFNA	1801866-11 WI-A06-6-S-42P-0718 0.11...	3.74e3	55.0	NO
6	6	13C4-PFOS	1801866-11 WI-A06-6-S-42P-0718 0.11...	9.75e2	68.8	NO
7	7	13C6-PFDA	1801866-11 WI-A06-6-S-42P-0718 0.11...	4.28e3	56.8	NO
8	8	13C7-PFUDa	1801866-11 WI-A06-6-S-42P-0718 0.11...	5.55e3	57.4	NO

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Name: 180726M1_47, Date: 27-Jul-2018, Time: 01:33:17, ID: 1801866-12 WI-A06-FB03-071918 0.12034, Description: WI-A06-FB03-071918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-12 WI-A06-FB03-071918 0.12...	2.35e3	53.2	NO
2	2	13C5-PFHxA	1801866-12 WI-A06-FB03-071918 0.12...	3.02e3	53.2	NO
3	3	13C3-PFHxS	1801866-12 WI-A06-FB03-071918 0.12...	7.67e2	63.8	NO
4	4	13C8-PFOA	1801866-12 WI-A06-FB03-071918 0.12...	3.54e3	58.9	NO
5	5	13C9-PFNA	1801866-12 WI-A06-FB03-071918 0.12...	3.80e3	55.8	NO
6	6	13C4-PFOS	1801866-12 WI-A06-FB03-071918 0.12...	9.72e2	68.5	NO
7	7	13C6-PFDA	1801866-12 WI-A06-FB03-071918 0.12...	4.24e3	56.4	NO
8	8	13C7-PFUDa	1801866-12 WI-A06-FB03-071918 0.12...	6.05e3	62.6	NO

Name: 180726M1_48, Date: 27-Jul-2018, Time: 01:43:42, ID: 1801866-13 WI-A06-EB05-071918 0.12156, Description: WI-A06-EB05-071918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-13 WI-A06-EB05-071918 0.12...	2.75e3	62.3	NO
2	2	13C5-PFHxA	1801866-13 WI-A06-EB05-071918 0.12...	3.55e3	62.5	NO
3	3	13C3-PFHxS	1801866-13 WI-A06-EB05-071918 0.12...	7.93e2	65.9	NO
4	4	13C8-PFOA	1801866-13 WI-A06-EB05-071918 0.12...	4.15e3	69.1	NO
5	5	13C9-PFNA	1801866-13 WI-A06-EB05-071918 0.12...	4.14e3	60.8	NO
6	6	13C4-PFOS	1801866-13 WI-A06-EB05-071918 0.12...	8.83e2	62.3	NO
7	7	13C6-PFDA	1801866-13 WI-A06-EB05-071918 0.12...	4.31e3	57.2	NO
8	8	13C7-PFUDa	1801866-13 WI-A06-EB05-071918 0.12...	5.00e3	51.7	NO

Name: 180726M1_49, Date: 27-Jul-2018, Time: 01:54:12, ID: 1801866-14 WI-A06-6-S-43-0718 0.11835, Description: WI-A06-6-S-43-0718

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.22e3	50.3	NO
2	2	13C5-PFHxA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.78e3	49.0	YES
3	3	13C3-PFHxS	1801866-14 WI-A06-6-S-43-0718 0.118...	7.56e2	62.9	NO
4	4	13C8-PFOA	1801866-14 WI-A06-6-S-43-0718 0.118...	3.23e3	53.8	NO
5	5	13C9-PFNA	1801866-14 WI-A06-6-S-43-0718 0.118...	3.24e3	47.6	YES
6	6	13C4-PFOS	1801866-14 WI-A06-6-S-43-0718 0.118...	8.11e2	57.2	NO
7	7	13C6-PFDA	1801866-14 WI-A06-6-S-43-0718 0.118...	3.50e3	46.5	YES
8	8	13C7-PFUDa	1801866-14 WI-A06-6-S-43-0718 0.118...	4.57e3	47.2	YES

Name: 180726M1_50, Date: 27-Jul-2018, Time: 02:04:38, ID: B8G0115-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0115-BS1 OPR 0.125	3.95e3	89.5	NO
2	2	13C5-PFHxA	B8G0115-BS1 OPR 0.125	4.82e3	84.8	NO
3	3	13C3-PFHxS	B8G0115-BS1 OPR 0.125	1.03e3	86.0	NO
4	4	13C8-PFOA	B8G0115-BS1 OPR 0.125	5.16e3	85.9	NO
5	5	13C9-PFNA	B8G0115-BS1 OPR 0.125	5.15e3	75.7	NO
6	6	13C4-PFOS	B8G0115-BS1 OPR 0.125	1.04e3	73.5	NO
7	7	13C6-PFDA	B8G0115-BS1 OPR 0.125	4.39e3	58.3	NO
8	8	13C7-PFUDa	B8G0115-BS1 OPR 0.125	2.91e3	30.1	YES

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Name: 180726M1_51, Date: 27-Jul-2018, Time: 02:15:08, ID: B8G0115-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0115-BLK1 Method Blank 0.125	4.10e3	93.0	NO
2	2	13C5-PFHxA	B8G0115-BLK1 Method Blank 0.125	5.34e3	94.1	NO
3	3	13C3-PFHxS	B8G0115-BLK1 Method Blank 0.125	1.07e3	88.9	NO
4	4	13C8-PFOA	B8G0115-BLK1 Method Blank 0.125	5.54e3	92.1	NO
5	5	13C9-PFNA	B8G0115-BLK1 Method Blank 0.125	4.87e3	71.5	NO
6	6	13C4-PFOS	B8G0115-BLK1 Method Blank 0.125	8.54e2	60.2	NO
7	7	13C6-PFDA	B8G0115-BLK1 Method Blank 0.125	4.20e3	55.7	NO
8	8	13C7-PFUdA	B8G0115-BLK1 Method Blank 0.125	2.95e3	30.5	YES

Name: 180726M1_52, Date: 27-Jul-2018, Time: 02:25:39, ID: 1801671-06 On-Site Water Supply 0.11458, Description: On-Site Water Supply

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801671-06 On-Site Water Supply 0.114...	3.91e3	88.7	NO
2	2	13C5-PFHxA	1801671-06 On-Site Water Supply 0.114...	4.50e3	79.2	NO
3	3	13C3-PFHxS	1801671-06 On-Site Water Supply 0.114...	1.10e3	91.8	NO
4	4	13C8-PFOA	1801671-06 On-Site Water Supply 0.114...	4.69e3	78.0	NO
5	5	13C9-PFNA	1801671-06 On-Site Water Supply 0.114...	4.56e3	67.0	NO
6	6	13C4-PFOS	1801671-06 On-Site Water Supply 0.114...	9.65e2	68.0	NO
7	7	13C6-PFDA	1801671-06 On-Site Water Supply 0.114...	4.00e3	53.2	NO
8	8	13C7-PFUdA	1801671-06 On-Site Water Supply 0.114...	3.27e3	33.9	YES

Name: 180726M1_53, Date: 27-Jul-2018, Time: 02:36:03, ID: B8G0068-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0068-BS1 OPR 0.25	2.55e3	57.8	NO
2	2	13C5-PFHxA	B8G0068-BS1 OPR 0.25	3.23e3	56.9	NO
3	3	13C3-PFHxS	B8G0068-BS1 OPR 0.25	7.81e2	65.0	NO
4	4	13C8-PFOA	B8G0068-BS1 OPR 0.25	3.65e3	60.7	NO
5	5	13C9-PFNA	B8G0068-BS1 OPR 0.25	4.02e3	59.1	NO
6	6	13C4-PFOS	B8G0068-BS1 OPR 0.25	9.27e2	65.4	NO
7	7	13C6-PFDA	B8G0068-BS1 OPR 0.25	4.34e3	57.7	NO
8	8	13C7-PFUdA	B8G0068-BS1 OPR 0.25	5.98e3	61.9	NO

Name: 180726M1_54, Date: 27-Jul-2018, Time: 02:46:33, ID: B8G0068-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0068-BLK1 Method Blank 0.25	3.07e3	69.4	NO
2	2	13C5-PFHxA	B8G0068-BLK1 Method Blank 0.25	3.70e3	65.1	NO
3	3	13C3-PFHxS	B8G0068-BLK1 Method Blank 0.25	8.14e2	67.7	NO
4	4	13C8-PFOA	B8G0068-BLK1 Method Blank 0.25	4.34e3	72.2	NO
5	5	13C9-PFNA	B8G0068-BLK1 Method Blank 0.25	4.57e3	67.2	NO
6	6	13C4-PFOS	B8G0068-BLK1 Method Blank 0.25	1.07e3	75.2	NO
7	7	13C6-PFDA	B8G0068-BLK1 Method Blank 0.25	4.71e3	62.6	NO
8	8	13C7-PFUdA	B8G0068-BLK1 Method Blank 0.25	6.08e3	62.9	NO

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Name: 180726M1_55, Date: 27-Jul-2018, Time: 02:56:58, ID: 1801570-01 SW CLEAR LAKE 0.25704, Description: SW CLEAR LAKE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-01 SW CLEAR LAKE 0.25704	2.92e3	66.1	NO
2	2	13C5-PFHxA	1801570-01 SW CLEAR LAKE 0.25704	3.67e3	64.5	NO
3	3	13C3-PFHxS	1801570-01 SW CLEAR LAKE 0.25704	7.45e2	62.0	NO
4	4	13C8-PFOA	1801570-01 SW CLEAR LAKE 0.25704	4.15e3	69.0	NO
5	5	13C9-PFNA	1801570-01 SW CLEAR LAKE 0.25704	4.38e3	64.3	NO
6	6	13C4-PFOS	1801570-01 SW CLEAR LAKE 0.25704	1.10e3	77.3	NO
7	7	13C6-PFDA	1801570-01 SW CLEAR LAKE 0.25704	4.15e3	55.1	NO
8	8	13C7-PFUDa	1801570-01 SW CLEAR LAKE 0.25704	5.94e3	61.4	NO

Name: 180726M1_56, Date: 27-Jul-2018, Time: 03:07:29, ID: 1801570-02 SW RIVER LAKE 0.25969, Description: SW RIVER LAKE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-02 SW RIVER LAKE 0.25969	2.78e3	62.9	NO
2	2	13C5-PFHxA	1801570-02 SW RIVER LAKE 0.25969	3.53e3	62.1	NO
3	3	13C3-PFHxS	1801570-02 SW RIVER LAKE 0.25969	7.76e2	64.5	NO
4	4	13C8-PFOA	1801570-02 SW RIVER LAKE 0.25969	4.08e3	67.8	NO
5	5	13C9-PFNA	1801570-02 SW RIVER LAKE 0.25969	4.13e3	60.7	NO
6	6	13C4-PFOS	1801570-02 SW RIVER LAKE 0.25969	9.62e2	67.8	NO
7	7	13C6-PFDA	1801570-02 SW RIVER LAKE 0.25969	4.88e3	64.8	NO
8	8	13C7-PFUDa	1801570-02 SW RIVER LAKE 0.25969	6.35e3	65.7	NO

Name: 180726M1_57, Date: 27-Jul-2018, Time: 03:17:53, ID: 1801570-03 MW-88 0.26886, Description: MW-88

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-03 MW-88 0.26886	2.87e3	65.0	NO
2	2	13C5-PFHxA	1801570-03 MW-88 0.26886	3.57e3	62.8	NO
3	3	13C3-PFHxS	1801570-03 MW-88 0.26886	7.98e2	66.4	NO
4	4	13C8-PFOA	1801570-03 MW-88 0.26886	4.15e3	69.1	NO
5	5	13C9-PFNA	1801570-03 MW-88 0.26886	4.27e3	62.8	NO
6	6	13C4-PFOS	1801570-03 MW-88 0.26886	9.11e2	64.3	NO
7	7	13C6-PFDA	1801570-03 MW-88 0.26886	4.51e3	59.9	NO
8	8	13C7-PFUDa	1801570-03 MW-88 0.26886	5.78e3	59.8	NO

Name: 180726M1_58, Date: 27-Jul-2018, Time: 03:28:24, ID: 1801570-04 MW-35 0.26473, Description: MW-35

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-04 MW-35 0.26473	3.11e3	70.4	NO
2	2	13C5-PFHxA	1801570-04 MW-35 0.26473	3.66e3	64.4	NO
3	3	13C3-PFHxS	1801570-04 MW-35 0.26473	8.83e2	73.4	NO
4	4	13C8-PFOA	1801570-04 MW-35 0.26473	4.18e3	69.6	NO
5	5	13C9-PFNA	1801570-04 MW-35 0.26473	4.20e3	61.7	NO
6	6	13C4-PFOS	1801570-04 MW-35 0.26473	8.74e2	61.6	NO
7	7	13C6-PFDA	1801570-04 MW-35 0.26473	4.43e3	58.8	NO
8	8	13C7-PFUDa	1801570-04 MW-35 0.26473	5.94e3	61.4	NO

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Name: 180726M1_59, Date: 27-Jul-2018, Time: 03:38:50, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

Name: 180726M1_60, Date: 27-Jul-2018, Time: 03:49:20, ID: ST180726M1-12 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-12 PFC CS3 18G1915	4.45e3	100.7	NO
2	2	13C5-PFHxA	ST180726M1-12 PFC CS3 18G1915	5.30e3	93.2	NO
3	3	13C3-PFHxS	ST180726M1-12 PFC CS3 18G1915	1.15e3	95.3	NO
4	4	13C8-PFOA	ST180726M1-12 PFC CS3 18G1915	6.04e3	100.6	NO
5	5	13C9-PFNA	ST180726M1-12 PFC CS3 18G1915	6.00e3	88.2	NO
6	6	13C4-PFOS	ST180726M1-12 PFC CS3 18G1915	1.25e3	88.0	NO
7	7	13C6-PFDA	ST180726M1-12 PFC CS3 18G1915	5.63e3	74.7	NO
8	8	13C7-PFUDa	ST180726M1-12 PFC CS3 18G1915	8.36e3	86.4	NO

Name: 180726M1_61, Date: 27-Jul-2018, Time: 03:59:50, ID: 1801570-05 MW-73 0.26325, Description: MW-73

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-05 MW-73 0.26325	2.57e3	58.1	NO
2	2	13C5-PFHxA	1801570-05 MW-73 0.26325	3.37e3	59.3	NO
3	3	13C3-PFHxS	1801570-05 MW-73 0.26325	8.34e2	69.4	NO
4	4	13C8-PFOA	1801570-05 MW-73 0.26325	3.61e3	60.1	NO
5	5	13C9-PFNA	1801570-05 MW-73 0.26325	3.92e3	57.6	NO
6	6	13C4-PFOS	1801570-05 MW-73 0.26325	9.44e2	66.5	NO
7	7	13C6-PFDA	1801570-05 MW-73 0.26325	3.93e3	52.2	NO
8	8	13C7-PFUDa	1801570-05 MW-73 0.26325	5.41e3	56.0	NO

Name: 180726M1_62, Date: 27-Jul-2018, Time: 04:10:15, ID: 1801570-06 DUP-2 0.26549, Description: DUP-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-06 DUP-2 0.26549	2.63e3	59.6	NO
2	2	13C5-PFHxA	1801570-06 DUP-2 0.26549	3.52e3	62.0	NO
3	3	13C3-PFHxS	1801570-06 DUP-2 0.26549	7.94e2	66.1	NO
4	4	13C8-PFOA	1801570-06 DUP-2 0.26549	3.71e3	61.7	NO
5	5	13C9-PFNA	1801570-06 DUP-2 0.26549	4.09e3	60.2	NO
6	6	13C4-PFOS	1801570-06 DUP-2 0.26549	9.53e2	67.2	NO
7	7	13C6-PFDA	1801570-06 DUP-2 0.26549	4.39e3	58.3	NO
8	8	13C7-PFUDa	1801570-06 DUP-2 0.26549	5.65e3	58.4	NO

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Name: 180726M1_63, Date: 27-Jul-2018, Time: 04:20:45, ID: 1801570-07 FB-2 0.2635, Description: FB-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-07 FB-2 0.2635	2.78e3	62.9	NO
2	2	13C5-PFHxA	1801570-07 FB-2 0.2635	3.50e3	61.6	NO
3	3	13C3-PFHxS	1801570-07 FB-2 0.2635	7.90e2	65.7	NO
4	4	13C8-PFOA	1801570-07 FB-2 0.2635	4.14e3	68.9	NO
5	5	13C9-PFNA	1801570-07 FB-2 0.2635	3.99e3	58.7	NO
6	6	13C4-PFOS	1801570-07 FB-2 0.2635	1.06e3	74.9	NO
7	7	13C6-PFDA	1801570-07 FB-2 0.2635	4.31e3	57.3	NO
8	8	13C7-PFUDa	1801570-07 FB-2 0.2635	6.03e3	62.3	NO

Name: 180726M1_64, Date: 27-Jul-2018, Time: 04:31:11, ID: 1801570-08 EQ BLANK-2 0.26237, Description: EQ BLANK-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-08 EQ BLANK-2 0.26237	2.85e3	64.5	NO
2	2	13C5-PFHxA	1801570-08 EQ BLANK-2 0.26237	3.79e3	66.8	NO
3	3	13C3-PFHxS	1801570-08 EQ BLANK-2 0.26237	7.90e2	65.7	NO
4	4	13C8-PFOA	1801570-08 EQ BLANK-2 0.26237	4.17e3	69.3	NO
5	5	13C9-PFNA	1801570-08 EQ BLANK-2 0.26237	4.19e3	61.6	NO
6	6	13C4-PFOS	1801570-08 EQ BLANK-2 0.26237	8.22e2	58.0	NO
7	7	13C6-PFDA	1801570-08 EQ BLANK-2 0.26237	4.66e3	61.8	NO
8	8	13C7-PFUDa	1801570-08 EQ BLANK-2 0.26237	5.80e3	60.0	NO

Name: 180726M1_65, Date: 27-Jul-2018, Time: 04:41:41, ID: 1801570-09 MW72R 0.26142, Description: MW72R

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-09 MW72R 0.26142	3.22e3	72.9	NO
2	2	13C5-PFHxA	1801570-09 MW72R 0.26142	3.97e3	69.8	NO
3	3	13C3-PFHxS	1801570-09 MW72R 0.26142	8.18e2	68.0	NO
4	4	13C8-PFOA	1801570-09 MW72R 0.26142	4.71e3	78.3	NO
5	5	13C9-PFNA	1801570-09 MW72R 0.26142	4.57e3	67.2	NO
6	6	13C4-PFOS	1801570-09 MW72R 0.26142	1.02e3	71.9	NO
7	7	13C6-PFDA	1801570-09 MW72R 0.26142	4.86e3	64.5	NO
8	8	13C7-PFUDa	1801570-09 MW72R 0.26142	6.04e3	62.5	NO

Name: 180726M1_66, Date: 27-Jul-2018, Time: 04:52:05, ID: 1801570-10 MW-86 0.26406, Description: MW-86

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-10 MW-86 0.26406	2.71e3	61.4	NO
2	2	13C5-PFHxA	1801570-10 MW-86 0.26406	3.41e3	59.9	NO
3	3	13C3-PFHxS	1801570-10 MW-86 0.26406	7.23e2	60.2	NO
4	4	13C8-PFOA	1801570-10 MW-86 0.26406	3.78e3	62.9	NO
5	5	13C9-PFNA	1801570-10 MW-86 0.26406	3.89e3	57.1	NO
6	6	13C4-PFOS	1801570-10 MW-86 0.26406	9.19e2	64.8	NO
7	7	13C6-PFDA	1801570-10 MW-86 0.26406	4.34e3	57.6	NO
8	8	13C7-PFUDa	1801570-10 MW-86 0.26406	5.68e3	58.7	NO

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Name: 180726M1_67, Date: 27-Jul-2018, Time: 05:02:36, ID: 1801570-11 SW LONESOME LAKE 0.25093, Description: SW LONESOME LAKE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-11 SW LONESOME LAKE 0.2...	2.84e3	64.4	NO
2	2	13C5-PFHxA	1801570-11 SW LONESOME LAKE 0.2...	3.45e3	60.8	NO
3	3	13C3-PFHxS	1801570-11 SW LONESOME LAKE 0.2...	7.51e2	62.5	NO
4	4	13C8-PFOA	1801570-11 SW LONESOME LAKE 0.2...	3.82e3	63.5	NO
5	5	13C9-PFNA	1801570-11 SW LONESOME LAKE 0.2...	4.20e3	61.7	NO
6	6	13C4-PFOS	1801570-11 SW LONESOME LAKE 0.2...	7.17e2	50.6	NO
7	7	13C6-PFDA	1801570-11 SW LONESOME LAKE 0.2...	4.11e3	54.6	NO
8	8	13C7-PFUdA	1801570-11 SW LONESOME LAKE 0.2...	5.43e3	56.2	NO

Name: 180726M1_68, Date: 27-Jul-2018, Time: 05:13:02, ID: 1801570-12 SW MARSH LAKE 0.26, Description: SW MARSH LAKE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-12 SW MARSH LAKE 0.26	2.88e3	65.2	NO
2	2	13C5-PFHxA	1801570-12 SW MARSH LAKE 0.26	3.48e3	61.2	NO
3	3	13C3-PFHxS	1801570-12 SW MARSH LAKE 0.26	7.74e2	64.4	NO
4	4	13C8-PFOA	1801570-12 SW MARSH LAKE 0.26	4.10e3	68.2	NO
5	5	13C9-PFNA	1801570-12 SW MARSH LAKE 0.26	4.12e3	60.6	NO
6	6	13C4-PFOS	1801570-12 SW MARSH LAKE 0.26	9.95e2	70.1	NO
7	7	13C6-PFDA	1801570-12 SW MARSH LAKE 0.26	4.33e3	57.5	NO
8	8	13C7-PFUdA	1801570-12 SW MARSH LAKE 0.26	5.28e3	54.6	NO

Name: 180726M1_69, Date: 27-Jul-2018, Time: 05:23:32, ID: 1801570-13 SW CHUBB CREEK 0.25649, Description: SW CHUBB CREEK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-13 SW CHUBB CREEK 0.256...	2.88e3	65.1	NO
2	2	13C5-PFHxA	1801570-13 SW CHUBB CREEK 0.256...	3.63e3	63.9	NO
3	3	13C3-PFHxS	1801570-13 SW CHUBB CREEK 0.256...	7.89e2	65.6	NO
4	4	13C8-PFOA	1801570-13 SW CHUBB CREEK 0.256...	3.91e3	65.1	NO
5	5	13C9-PFNA	1801570-13 SW CHUBB CREEK 0.256...	4.78e3	70.2	NO
6	6	13C4-PFOS	1801570-13 SW CHUBB CREEK 0.256...	9.42e2	66.4	NO
7	7	13C6-PFDA	1801570-13 SW CHUBB CREEK 0.256...	4.63e3	61.5	NO
8	8	13C7-PFUdA	1801570-13 SW CHUBB CREEK 0.256...	6.05e3	62.6	NO

Name: 180726M1_70, Date: 27-Jul-2018, Time: 05:33:56, ID: 1801570-14 MW 78R 0.26505, Description: MW 78R

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-14 MW 78R 0.26505	2.74e3	62.2	NO
2	2	13C5-PFHxA	1801570-14 MW 78R 0.26505	3.37e3	59.3	NO
3	3	13C3-PFHxS	1801570-14 MW 78R 0.26505	7.76e2	64.5	NO
4	4	13C8-PFOA	1801570-14 MW 78R 0.26505	3.82e3	63.6	NO
5	5	13C9-PFNA	1801570-14 MW 78R 0.26505	3.93e3	57.7	NO
6	6	13C4-PFOS	1801570-14 MW 78R 0.26505	8.79e2	62.0	NO
7	7	13C6-PFDA	1801570-14 MW 78R 0.26505	3.85e3	51.2	NO
8	8	13C7-PFUdA	1801570-14 MW 78R 0.26505	5.13e3	53.1	NO

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Name: 180726M1_71, Date: 27-Jul-2018, Time: 05:44:27, ID: 1801570-15 Geosub Blank 0.26035, Description: Geosub Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801570-15 Geosub Blank 0.26035	3.05e3	69.1	NO
2	2	13C5-PFHxA	1801570-15 Geosub Blank 0.26035	3.76e3	66.1	NO
3	3	13C3-PFHxS	1801570-15 Geosub Blank 0.26035	8.93e2	74.3	NO
4	4	13C8-PFOA	1801570-15 Geosub Blank 0.26035	4.25e3	70.7	NO
5	5	13C9-PFNA	1801570-15 Geosub Blank 0.26035	4.62e3	67.9	NO
6	6	13C4-PFOS	1801570-15 Geosub Blank 0.26035	1.07e3	75.5	NO
7	7	13C6-PFDA	1801570-15 Geosub Blank 0.26035	4.45e3	59.0	NO
8	8	13C7-PFUDa	1801570-15 Geosub Blank 0.26035	6.13e3	63.4	NO

Name: 180726M1_72, Date: 27-Jul-2018, Time: 05:54:52, ID: B8G0073-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0073-BS1 OPR 0.25	3.35e3	75.9	NO
2	2	13C5-PFHxA	B8G0073-BS1 OPR 0.25	3.99e3	70.2	NO
3	3	13C3-PFHxS	B8G0073-BS1 OPR 0.25	9.93e2	82.6	NO
4	4	13C8-PFOA	B8G0073-BS1 OPR 0.25	4.72e3	78.5	NO
5	5	13C9-PFNA	B8G0073-BS1 OPR 0.25	4.95e3	72.7	NO
6	6	13C4-PFOS	B8G0073-BS1 OPR 0.25	1.10e3	77.9	NO
7	7	13C6-PFDA	B8G0073-BS1 OPR 0.25	5.01e3	66.5	NO
8	8	13C7-PFUDa	B8G0073-BS1 OPR 0.25	6.68e3	69.1	NO

Name: 180726M1_73, Date: 27-Jul-2018, Time: 06:05:22, ID: B8G0073-MS1 Matrix Spike 0.25167, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0073-MS1 Matrix Spike 0.25167	3.12e3	70.6	NO
2	2	13C5-PFHxA	B8G0073-MS1 Matrix Spike 0.25167	3.84e3	67.6	NO
3	3	13C3-PFHxS	B8G0073-MS1 Matrix Spike 0.25167	9.28e2	77.2	NO
4	4	13C8-PFOA	B8G0073-MS1 Matrix Spike 0.25167	4.23e3	70.4	NO
5	5	13C9-PFNA	B8G0073-MS1 Matrix Spike 0.25167	4.83e3	70.9	NO
6	6	13C4-PFOS	B8G0073-MS1 Matrix Spike 0.25167	1.06e3	75.0	NO
7	7	13C6-PFDA	B8G0073-MS1 Matrix Spike 0.25167	4.72e3	62.7	NO
8	8	13C7-PFUDa	B8G0073-MS1 Matrix Spike 0.25167	6.91e3	71.4	NO

Name: 180726M1_74, Date: 27-Jul-2018, Time: 06:15:48, ID: B8G0073-MSD1 Matrix Spike Dup 0.24875, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0073-MSD1 Matrix Spike Dup 0.248...	3.08e3	69.8	NO
2	2	13C5-PFHxA	B8G0073-MSD1 Matrix Spike Dup 0.248...	3.73e3	65.7	NO
3	3	13C3-PFHxS	B8G0073-MSD1 Matrix Spike Dup 0.248...	9.44e2	78.6	NO
4	4	13C8-PFOA	B8G0073-MSD1 Matrix Spike Dup 0.248...	4.36e3	72.6	NO
5	5	13C9-PFNA	B8G0073-MSD1 Matrix Spike Dup 0.248...	4.39e3	64.5	NO
6	6	13C4-PFOS	B8G0073-MSD1 Matrix Spike Dup 0.248...	1.17e3	82.7	NO
7	7	13C6-PFDA	B8G0073-MSD1 Matrix Spike Dup 0.248...	4.30e3	57.1	NO
8	8	13C7-PFUDa	B8G0073-MSD1 Matrix Spike Dup 0.248...	6.63e3	68.6	NO

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Name: 180726M1_75, Date: 27-Jul-2018, Time: 06:26:18, ID: B8G0073-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0073-BLK1 Method Blank 0.25	3.03e3	68.6	NO
2	2	13C5-PFHxA	B8G0073-BLK1 Method Blank 0.25	3.91e3	68.9	NO
3	3	13C3-PFHxS	B8G0073-BLK1 Method Blank 0.25	8.78e2	73.0	NO
4	4	13C8-PFOA	B8G0073-BLK1 Method Blank 0.25	4.49e3	74.7	NO
5	5	13C9-PFNA	B8G0073-BLK1 Method Blank 0.25	4.70e3	69.0	NO
6	6	13C4-PFOS	B8G0073-BLK1 Method Blank 0.25	1.13e3	79.3	NO
7	7	13C6-PFDA	B8G0073-BLK1 Method Blank 0.25	4.80e3	63.7	NO
8	8	13C7-PFUDa	B8G0073-BLK1 Method Blank 0.25	6.98e3	72.2	NO

Name: 180726M1_76, Date: 27-Jul-2018, Time: 06:36:49, ID: 1801578-01 WT-26 0.25546, Description: WT-26

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-01 WT-26 0.25546	3.13e3	70.9	NO
2	2	13C5-PFHxA	1801578-01 WT-26 0.25546	3.88e3	68.4	NO
3	3	13C3-PFHxS	1801578-01 WT-26 0.25546	9.51e2	79.1	NO
4	4	13C8-PFOA	1801578-01 WT-26 0.25546	4.57e3	76.0	NO
5	5	13C9-PFNA	1801578-01 WT-26 0.25546	4.65e3	68.3	NO
6	6	13C4-PFOS	1801578-01 WT-26 0.25546	1.20e3	84.6	NO
7	7	13C6-PFDA	1801578-01 WT-26 0.25546	4.93e3	65.5	NO
8	8	13C7-PFUDa	1801578-01 WT-26 0.25546	6.57e3	68.0	NO

Name: 180726M1_77, Date: 27-Jul-2018, Time: 06:47:13, ID: 1801578-02 PZ-26A 0.25242, Description: PZ-26A

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-02 PZ-26A 0.25242	3.23e3	73.2	NO
2	2	13C5-PFHxA	1801578-02 PZ-26A 0.25242	4.25e3	74.8	NO
3	3	13C3-PFHxS	1801578-02 PZ-26A 0.25242	9.14e2	76.0	NO
4	4	13C8-PFOA	1801578-02 PZ-26A 0.25242	4.41e3	73.4	NO
5	5	13C9-PFNA	1801578-02 PZ-26A 0.25242	4.27e3	62.8	NO
6	6	13C4-PFOS	1801578-02 PZ-26A 0.25242	1.06e3	75.1	NO
7	7	13C6-PFDA	1801578-02 PZ-26A 0.25242	5.33e3	70.8	NO
8	8	13C7-PFUDa	1801578-02 PZ-26A 0.25242	6.93e3	71.7	NO

Name: 180726M1_78, Date: 27-Jul-2018, Time: 06:57:43, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180726M1_79, Date: 27-Jul-2018, Time: 07:08:09, ID: ST180726M1-13 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-13 PFC CS3 18G1915	4.21e3	95.4	NO
2	2	13C5-PFHxA	ST180726M1-13 PFC CS3 18G1915	5.45e3	96.0	NO
3	3	13C3-PFHxS	ST180726M1-13 PFC CS3 18G1915	1.13e3	94.0	NO
4	4	13C8-PFOA	ST180726M1-13 PFC CS3 18G1915	5.59e3	92.9	NO
5	5	13C9-PFNA	ST180726M1-13 PFC CS3 18G1915	6.34e3	93.1	NO
6	6	13C4-PFOS	ST180726M1-13 PFC CS3 18G1915	1.41e3	99.2	NO
7	7	13C6-PFDA	ST180726M1-13 PFC CS3 18G1915	5.81e3	77.1	NO
8	8	13C7-PFUDa	ST180726M1-13 PFC CS3 18G1915	7.27e3	75.2	NO

Name: 180726M1_80, Date: 27-Jul-2018, Time: 07:18:39, ID: 1801578-03 WP-06R 0.2564, Description: WP-06R

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-03 WP-06R 0.2564	3.10e3	70.3	NO
2	2	13C5-PFHxA	1801578-03 WP-06R 0.2564	3.64e3	64.1	NO
3	3	13C3-PFHxS	1801578-03 WP-06R 0.2564	8.90e2	74.1	NO
4	4	13C8-PFOA	1801578-03 WP-06R 0.2564	4.50e3	74.8	NO
5	5	13C9-PFNA	1801578-03 WP-06R 0.2564	4.59e3	67.4	NO
6	6	13C4-PFOS	1801578-03 WP-06R 0.2564	1.08e3	76.5	NO
7	7	13C6-PFDA	1801578-03 WP-06R 0.2564	4.86e3	64.5	NO
8	8	13C7-PFUDa	1801578-03 WP-06R 0.2564	6.72e3	69.5	NO

Name: 180726M1_81, Date: 27-Jul-2018, Time: 07:29:04, ID: 1801578-04 WT-31 0.2499, Description: WT-31

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-04 WT-31 0.2499	2.99e3	67.7	NO
2	2	13C5-PFHxA	1801578-04 WT-31 0.2499	3.87e3	68.2	NO
3	3	13C3-PFHxS	1801578-04 WT-31 0.2499	9.18e2	76.4	NO
4	4	13C8-PFOA	1801578-04 WT-31 0.2499	4.16e3	69.2	NO
5	5	13C9-PFNA	1801578-04 WT-31 0.2499	4.87e3	71.6	NO
6	6	13C4-PFOS	1801578-04 WT-31 0.2499	1.06e3	74.5	NO
7	7	13C6-PFDA	1801578-04 WT-31 0.2499	4.72e3	62.7	NO
8	8	13C7-PFUDa	1801578-04 WT-31 0.2499	5.89e3	60.9	NO

Name: 180726M1_82, Date: 27-Jul-2018, Time: 07:39:34, ID: 1801578-05 PZ-31A 0.25234, Description: PZ-31A

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-05 PZ-31A 0.25234	3.31e3	75.0	NO
2	2	13C5-PFHxA	1801578-05 PZ-31A 0.25234	4.18e3	73.5	NO
3	3	13C3-PFHxS	1801578-05 PZ-31A 0.25234	9.67e2	80.5	NO
4	4	13C8-PFOA	1801578-05 PZ-31A 0.25234	4.64e3	77.2	NO
5	5	13C9-PFNA	1801578-05 PZ-31A 0.25234	4.87e3	71.5	NO
6	6	13C4-PFOS	1801578-05 PZ-31A 0.25234	1.20e3	84.8	NO
7	7	13C6-PFDA	1801578-05 PZ-31A 0.25234	4.29e3	56.9	NO
8	8	13C7-PFUDa	1801578-05 PZ-31A 0.25234	6.60e3	68.3	NO

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Name: 180726M1_83, Date: 27-Jul-2018, Time: 07:50:00, ID: 1801578-06 DUP 0.25265, Description: DUP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-06 DUP 0.25265	2.99e3	67.8	NO
2	2	13C5-PFHxA	1801578-06 DUP 0.25265	3.99e3	70.3	NO
3	3	13C3-PFHxS	1801578-06 DUP 0.25265	9.95e2	82.8	NO
4	4	13C8-PFOA	1801578-06 DUP 0.25265	4.39e3	73.1	NO
5	5	13C9-PFNA	1801578-06 DUP 0.25265	4.44e3	65.2	NO
6	6	13C4-PFOS	1801578-06 DUP 0.25265	1.17e3	82.2	NO
7	7	13C6-PFDA	1801578-06 DUP 0.25265	4.88e3	64.7	NO
8	8	13C7-PFUDa	1801578-06 DUP 0.25265	6.81e3	70.4	NO

Name: 180726M1_84, Date: 27-Jul-2018, Time: 08:00:30, ID: 1801578-07 Field Blank 0.2534, Description: Field Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-07 Field Blank 0.2534	3.11e3	70.4	NO
2	2	13C5-PFHxA	1801578-07 Field Blank 0.2534	3.82e3	67.2	NO
3	3	13C3-PFHxS	1801578-07 Field Blank 0.2534	8.56e2	71.2	NO
4	4	13C8-PFOA	1801578-07 Field Blank 0.2534	4.50e3	74.8	NO
5	5	13C9-PFNA	1801578-07 Field Blank 0.2534	4.65e3	68.4	NO
6	6	13C4-PFOS	1801578-07 Field Blank 0.2534	1.08e3	76.0	NO
7	7	13C6-PFDA	1801578-07 Field Blank 0.2534	4.97e3	66.0	NO
8	8	13C7-PFUDa	1801578-07 Field Blank 0.2534	6.59e3	68.1	NO

Name: 180726M1_85, Date: 27-Jul-2018, Time: 08:10:54, ID: 1801578-08 Equipment Blank 0.25517, Description: Equipment Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801578-08 Equipment Blank 0.25517	3.13e3	70.9	NO
2	2	13C5-PFHxA	1801578-08 Equipment Blank 0.25517	3.88e3	68.2	NO
3	3	13C3-PFHxS	1801578-08 Equipment Blank 0.25517	9.70e2	80.7	NO
4	4	13C8-PFOA	1801578-08 Equipment Blank 0.25517	4.50e3	74.8	NO
5	5	13C9-PFNA	1801578-08 Equipment Blank 0.25517	4.70e3	69.0	NO
6	6	13C4-PFOS	1801578-08 Equipment Blank 0.25517	1.06e3	74.6	NO
7	7	13C6-PFDA	1801578-08 Equipment Blank 0.25517	4.82e3	64.0	NO
8	8	13C7-PFUDa	1801578-08 Equipment Blank 0.25517	6.50e3	67.2	NO

Name: 180726M1_86, Date: 27-Jul-2018, Time: 08:21:24, ID: B8G0097-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0097-BS1 OPR 1	2.83e3	64.1	NO
2	2	13C5-PFHxA	B8G0097-BS1 OPR 1	3.56e3	62.6	NO
3	3	13C3-PFHxS	B8G0097-BS1 OPR 1	8.53e2	71.0	NO
4	4	13C8-PFOA	B8G0097-BS1 OPR 1	3.99e3	66.4	NO
5	5	13C9-PFNA	B8G0097-BS1 OPR 1	4.13e3	60.7	NO
6	6	13C4-PFOS	B8G0097-BS1 OPR 1	9.97e2	70.3	NO
7	7	13C6-PFDA	B8G0097-BS1 OPR 1	4.27e3	56.7	NO
8	8	13C7-PFUDa	B8G0097-BS1 OPR 1	6.08e3	62.9	NO

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Name: 180726M1_87, Date: 27-Jul-2018, Time: 08:31:55, ID: B8G0097-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0097-BLK1 Method Blank 1	2.97e3	67.3	NO
2	2	13C5-PFHxA	B8G0097-BLK1 Method Blank 1	3.72e3	65.5	NO
3	3	13C3-PFHxS	B8G0097-BLK1 Method Blank 1	8.68e2	72.2	NO
4	4	13C8-PFOA	B8G0097-BLK1 Method Blank 1	3.70e3	61.5	NO
5	5	13C9-PFNA	B8G0097-BLK1 Method Blank 1	4.04e3	59.3	NO
6	6	13C4-PFOS	B8G0097-BLK1 Method Blank 1	9.69e2	68.3	NO
7	7	13C6-PFDA	B8G0097-BLK1 Method Blank 1	4.11e3	54.6	NO
8	8	13C7-PFUDa	B8G0097-BLK1 Method Blank 1	6.36e3	65.8	NO

Name: 180726M1_88, Date: 27-Jul-2018, Time: 08:42:20, ID: 1801621-01 SB-1 5-6 ft 1.03, Description: SB-1 5-6 ft

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-01 SB-1 5-6 ft 1.03	3.21e3	72.6	NO
2	2	13C5-PFHxA	1801621-01 SB-1 5-6 ft 1.03	3.88e3	68.2	NO
3	3	13C3-PFHxS	1801621-01 SB-1 5-6 ft 1.03	1.00e3	83.3	NO
4	4	13C8-PFOA	1801621-01 SB-1 5-6 ft 1.03	4.51e3	75.0	NO
5	5	13C9-PFNA	1801621-01 SB-1 5-6 ft 1.03	5.00e3	73.4	NO
6	6	13C4-PFOS	1801621-01 SB-1 5-6 ft 1.03	1.11e3	78.2	NO
7	7	13C6-PFDA	1801621-01 SB-1 5-6 ft 1.03	5.29e3	70.3	NO
8	8	13C7-PFUDa	1801621-01 SB-1 5-6 ft 1.03	6.76e3	69.9	NO

Name: 180726M1_89, Date: 27-Jul-2018, Time: 08:52:51, ID: 1801621-02 SB-15 1.09, Description: SB-15

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-02 SB-15 1.09	3.44e3	77.9	NO
2	2	13C5-PFHxA	1801621-02 SB-15 1.09	4.59e3	80.8	NO
3	3	13C3-PFHxS	1801621-02 SB-15 1.09	1.05e3	87.1	NO
4	4	13C8-PFOA	1801621-02 SB-15 1.09	4.58e3	76.2	NO
5	5	13C9-PFNA	1801621-02 SB-15 1.09	5.15e3	75.6	NO
6	6	13C4-PFOS	1801621-02 SB-15 1.09	1.35e3	95.0	NO
7	7	13C6-PFDA	1801621-02 SB-15 1.09	5.76e3	76.4	NO
8	8	13C7-PFUDa	1801621-02 SB-15 1.09	7.61e3	78.7	NO

Name: 180726M1_90, Date: 27-Jul-2018, Time: 09:03:21, ID: 1801621-03 SB-3 2.5-3 ft 1.08, Description: SB-3 2.5-3 ft

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-03 SB-3 2.5-3 ft 1.08	2.56e3	58.1	NO
2	2	13C5-PFHxA	1801621-03 SB-3 2.5-3 ft 1.08	3.27e3	57.5	NO
3	3	13C3-PFHxS	1801621-03 SB-3 2.5-3 ft 1.08	8.33e2	69.3	NO
4	4	13C8-PFOA	1801621-03 SB-3 2.5-3 ft 1.08	3.80e3	63.3	NO
5	5	13C9-PFNA	1801621-03 SB-3 2.5-3 ft 1.08	4.16e3	61.1	NO
6	6	13C4-PFOS	1801621-03 SB-3 2.5-3 ft 1.08	8.45e2	59.6	NO
7	7	13C6-PFDA	1801621-03 SB-3 2.5-3 ft 1.08	4.33e3	57.5	NO
8	8	13C7-PFUDa	1801621-03 SB-3 2.5-3 ft 1.08	5.89e3	60.9	NO

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Name: 180726M1_91, Date: 27-Jul-2018, Time: 09:13:46, ID: 1801621-04 SB-2 2-3 ft 1.06, Description: SB-2 2-3 ft

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801621-04 SB-2 2-3 ft 1.06	2.93e3	66.4	NO
2	2 13C5-PFHxA	1801621-04 SB-2 2-3 ft 1.06	3.72e3	65.5	NO
3	3 13C3-PFHxS	1801621-04 SB-2 2-3 ft 1.06	9.53e2	79.3	NO
4	4 13C8-PFOA	1801621-04 SB-2 2-3 ft 1.06	4.10e3	68.2	NO
5	5 13C9-PFNA	1801621-04 SB-2 2-3 ft 1.06	4.63e3	68.0	NO
6	6 13C4-PFOS	1801621-04 SB-2 2-3 ft 1.06	1.16e3	81.9	NO
7	7 13C6-PFDA	1801621-04 SB-2 2-3 ft 1.06	5.12e3	67.9	NO
8	8 13C7-PFUDa	1801621-04 SB-2 2-3 ft 1.06	6.21e3	64.3	NO

Name: 180726M1_92, Date: 27-Jul-2018, Time: 09:24:08, ID: 1801621-05 SB-8 1.11, Description: SB-8

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801621-05 SB-8 1.11	3.51e3	79.4	NO
2	2 13C5-PFHxA	1801621-05 SB-8 1.11	3.69e3	65.0	NO
3	3 13C3-PFHxS	1801621-05 SB-8 1.11	4.91e2	40.8	YES
4	4 13C8-PFOA	1801621-05 SB-8 1.11	4.26e3	70.9	NO
5	5 13C9-PFNA	1801621-05 SB-8 1.11	3.70e3	54.3	NO
6	6 13C4-PFOS	1801621-05 SB-8 1.11	1.19e2	8.4	YES
7	7 13C6-PFDA	1801621-05 SB-8 1.11	4.51e3	59.9	NO
8	8 13C7-PFUDa	1801621-05 SB-8 1.11	5.46e3	56.5	NO

Name: 180726M1_93, Date: 27-Jul-2018, Time: 09:34:38, ID: 1801621-06 SB-13 1.1, Description: SB-13

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801621-06 SB-13 1.1	3.60e3	81.6	NO
2	2 13C5-PFHxA	1801621-06 SB-13 1.1	4.43e3	77.9	NO
3	3 13C3-PFHxS	1801621-06 SB-13 1.1	1.11e3	92.7	NO
4	4 13C8-PFOA	1801621-06 SB-13 1.1	5.16e3	85.9	NO
5	5 13C9-PFNA	1801621-06 SB-13 1.1	4.62e3	67.8	NO
6	6 13C4-PFOS	1801621-06 SB-13 1.1	1.12e3	78.9	NO
7	7 13C6-PFDA	1801621-06 SB-13 1.1	5.30e3	70.4	NO
8	8 13C7-PFUDa	1801621-06 SB-13 1.1	7.54e3	78.0	NO

Name: 180726M1_94, Date: 27-Jul-2018, Time: 09:45:03, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

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Name: 180726M1_95, Date: 27-Jul-2018, Time: 09:55:33, ID: ST180726M1-14 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-14 PFC CS3 18G1915	4.29e3	97.1	NO
2	2	13C5-PFHxA	ST180726M1-14 PFC CS3 18G1915	5.18e3	91.2	NO
3	3	13C3-PFHxS	ST180726M1-14 PFC CS3 18G1915	1.09e3	91.1	NO
4	4	13C8-PFOA	ST180726M1-14 PFC CS3 18G1915	5.87e3	97.6	NO
5	5	13C9-PFNA	ST180726M1-14 PFC CS3 18G1915	6.46e3	95.0	NO
6	6	13C4-PFOS	ST180726M1-14 PFC CS3 18G1915	1.40e3	98.8	NO
7	7	13C6-PFDA	ST180726M1-14 PFC CS3 18G1915	6.17e3	82.0	NO
8	8	13C7-PFUDa	ST180726M1-14 PFC CS3 18G1915	8.60e3	89.0	NO

Name: 180726M1_96, Date: 27-Jul-2018, Time: 10:05:58, ID: 1801621-07 SB-2 5-6 ft 1.03, Description: SB-2 5-6 ft

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-07 SB-2 5-6 ft 1.03	3.42e3	77.4	NO
2	2	13C5-PFHxA	1801621-07 SB-2 5-6 ft 1.03	4.36e3	76.7	NO
3	3	13C3-PFHxS	1801621-07 SB-2 5-6 ft 1.03	9.73e2	81.0	NO
4	4	13C8-PFOA	1801621-07 SB-2 5-6 ft 1.03	4.99e3	83.1	NO
5	5	13C9-PFNA	1801621-07 SB-2 5-6 ft 1.03	5.20e3	76.4	NO
6	6	13C4-PFOS	1801621-07 SB-2 5-6 ft 1.03	1.01e3	71.1	NO
7	7	13C6-PFDA	1801621-07 SB-2 5-6 ft 1.03	5.33e3	70.8	NO
8	8	13C7-PFUDa	1801621-07 SB-2 5-6 ft 1.03	6.96e3	72.0	NO

Name: 180726M1_97, Date: 27-Jul-2018, Time: 10:16:28, ID: 1801621-08 SB-7 4.5-5 ft 1.04, Description: SB-7 4.5-5 ft

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-08 SB-7 4.5-5 ft 1.04	3.50e3	79.4	NO
2	2	13C5-PFHxA	1801621-08 SB-7 4.5-5 ft 1.04	4.34e3	76.4	NO
3	3	13C3-PFHxS	1801621-08 SB-7 4.5-5 ft 1.04	1.00e3	83.5	NO
4	4	13C8-PFOA	1801621-08 SB-7 4.5-5 ft 1.04	4.80e3	79.9	NO
5	5	13C9-PFNA	1801621-08 SB-7 4.5-5 ft 1.04	5.16e3	75.8	NO
6	6	13C4-PFOS	1801621-08 SB-7 4.5-5 ft 1.04	1.21e3	85.3	NO
7	7	13C6-PFDA	1801621-08 SB-7 4.5-5 ft 1.04	5.46e3	72.5	NO
8	8	13C7-PFUDa	1801621-08 SB-7 4.5-5 ft 1.04	7.39e3	76.5	NO

Name: 180726M1_98, Date: 27-Jul-2018, Time: 10:26:53, ID: 1801621-09 SB-14 1.01, Description: SB-14

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-09 SB-14 1.01	3.24e3	73.5	NO
2	2	13C5-PFHxA	1801621-09 SB-14 1.01	4.01e3	70.6	NO
3	3	13C3-PFHxS	1801621-09 SB-14 1.01	9.83e2	81.8	NO
4	4	13C8-PFOA	1801621-09 SB-14 1.01	4.49e3	74.8	NO
5	5	13C9-PFNA	1801621-09 SB-14 1.01	4.52e3	66.5	NO
6	6	13C4-PFOS	1801621-09 SB-14 1.01	1.14e3	80.5	NO
7	7	13C6-PFDA	1801621-09 SB-14 1.01	4.79e3	63.6	NO
8	8	13C7-PFUDa	1801621-09 SB-14 1.01	6.51e3	67.3	NO

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Name: 180726M1_99, Date: 27-Jul-2018, Time: 10:37:24, ID: 1801621-10 SB-5 1.01, Description: SB-5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801621-10 SB-5 1.01	3.36e3	76.0	NO
2	2	13C5-PFHxA	1801621-10 SB-5 1.01	4.31e3	75.9	NO
3	3	13C3-PFHxS	1801621-10 SB-5 1.01	1.01e3	84.2	NO
4	4	13C8-PFOA	1801621-10 SB-5 1.01	4.41e3	73.5	NO
5	5	13C9-PFNA	1801621-10 SB-5 1.01	4.71e3	69.2	NO
6	6	13C4-PFOS	1801621-10 SB-5 1.01	1.07e3	75.4	NO
7	7	13C6-PFDA	1801621-10 SB-5 1.01	5.12e3	68.0	NO
8	8	13C7-PFUDa	1801621-10 SB-5 1.01	6.90e3	71.4	NO

Name: 180726M1_100, Date: 27-Jul-2018, Time: 10:47:54, ID: 1801622-01 SB-7 2.5-3 ft 1.14, Description: SB-7 2.5-3 ft

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-01 SB-7 2.5-3 ft 1.14	3.09e3	70.1	NO
2	2	13C5-PFHxA	1801622-01 SB-7 2.5-3 ft 1.14	3.93e3	69.2	NO
3	3	13C3-PFHxS	1801622-01 SB-7 2.5-3 ft 1.14	7.97e2	66.3	NO
4	4	13C8-PFOA	1801622-01 SB-7 2.5-3 ft 1.14	4.26e3	71.0	NO
5	5	13C9-PFNA	1801622-01 SB-7 2.5-3 ft 1.14	4.49e3	66.0	NO
6	6	13C4-PFOS	1801622-01 SB-7 2.5-3 ft 1.14	9.61e2	67.7	NO
7	7	13C6-PFDA	1801622-01 SB-7 2.5-3 ft 1.14	4.87e3	64.7	NO
8	8	13C7-PFUDa	1801622-01 SB-7 2.5-3 ft 1.14	6.36e3	65.8	NO

Name: 180726M1_101, Date: 27-Jul-2018, Time: 10:58:18, ID: 1801622-02 SB-9 1.03, Description: SB-9

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-02 SB-9 1.03	2.86e3	64.9	NO
2	2	13C5-PFHxA	1801622-02 SB-9 1.03	3.62e3	63.7	NO
3	3	13C3-PFHxS	1801622-02 SB-9 1.03	7.31e2	60.9	NO
4	4	13C8-PFOA	1801622-02 SB-9 1.03	3.81e3	63.4	NO
5	5	13C9-PFNA	1801622-02 SB-9 1.03	4.16e3	61.1	NO
6	6	13C4-PFOS	1801622-02 SB-9 1.03	8.88e2	62.6	NO
7	7	13C6-PFDA	1801622-02 SB-9 1.03	3.92e3	52.1	NO
8	8	13C7-PFUDa	1801622-02 SB-9 1.03	5.52e3	57.1	NO

Name: 180726M1_102, Date: 27-Jul-2018, Time: 11:08:48, ID: 1801622-03 SB-10 1.06, Description: SB-10

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-03 SB-10 1.06	3.26e3	73.9	NO
2	2	13C5-PFHxA	1801622-03 SB-10 1.06	4.08e3	71.7	NO
3	3	13C3-PFHxS	1801622-03 SB-10 1.06	8.71e2	72.4	NO
4	4	13C8-PFOA	1801622-03 SB-10 1.06	4.69e3	78.0	NO
5	5	13C9-PFNA	1801622-03 SB-10 1.06	4.63e3	68.0	NO
6	6	13C4-PFOS	1801622-03 SB-10 1.06	1.10e3	77.2	NO
7	7	13C6-PFDA	1801622-03 SB-10 1.06	4.94e3	65.6	NO
8	8	13C7-PFUDa	1801622-03 SB-10 1.06	6.75e3	69.9	NO

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Name: 180726M1_103, Date: 27-Jul-2018, Time: 11:19:12, ID: 1801622-04 SB-11 1.05, Description: SB-11

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-04 SB-11 1.05	3.30e3	74.8	NO
2	2	13C5-PFHxA	1801622-04 SB-11 1.05	4.10e3	72.1	NO
3	3	13C3-PFHxS	1801622-04 SB-11 1.05	9.11e2	75.8	NO
4	4	13C8-PFOA	1801622-04 SB-11 1.05	4.83e3	80.3	NO
5	5	13C9-PFNA	1801622-04 SB-11 1.05	4.95e3	72.7	NO
6	6	13C4-PFOS	1801622-04 SB-11 1.05	1.12e3	78.9	NO
7	7	13C6-PFDA	1801622-04 SB-11 1.05	4.89e3	65.0	NO
8	8	13C7-PFUDa	1801622-04 SB-11 1.05	6.54e3	67.6	NO

Name: 180726M1_104, Date: 27-Jul-2018, Time: 11:36:48, ID: 1801622-05 SB-12 1.1, Description: SB-12

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-05 SB-12 1.1	3.42e3	77.5	NO
2	2	13C5-PFHxA	1801622-05 SB-12 1.1	4.29e3	75.4	NO
3	3	13C3-PFHxS	1801622-05 SB-12 1.1	1.15e3	95.8	NO
4	4	13C8-PFOA	1801622-05 SB-12 1.1	4.88e3	81.1	NO
5	5	13C9-PFNA	1801622-05 SB-12 1.1	6.37e3	93.5	NO
6	6	13C4-PFOS	1801622-05 SB-12 1.1	1.31e3	92.2	NO
7	7	13C6-PFDA	1801622-05 SB-12 1.1	6.50e3	86.2	NO
8	8	13C7-PFUDa	1801622-05 SB-12 1.1	9.01e3	93.2	NO

Name: 180726M1_105, Date: 27-Jul-2018, Time: 11:47:25, ID: 1801622-06 SED 1 1.04, Description: SED 1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-06 SED 1 1.04	3.04e3	69.0	NO
2	2	13C5-PFHxA	1801622-06 SED 1 1.04	4.06e3	71.4	NO
3	3	13C3-PFHxS	1801622-06 SED 1 1.04	8.05e2	67.0	NO
4	4	13C8-PFOA	1801622-06 SED 1 1.04	4.28e3	71.2	NO
5	5	13C9-PFNA	1801622-06 SED 1 1.04	4.45e3	65.3	NO
6	6	13C4-PFOS	1801622-06 SED 1 1.04	4.09e2	28.8	YES
7	7	13C6-PFDA	1801622-06 SED 1 1.04	4.58e3	60.9	NO
8	8	13C7-PFUDa	1801622-06 SED 1 1.04	6.30e3	65.2	NO

Name: 180726M1_106, Date: 27-Jul-2018, Time: 11:57:52, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUDa	IPA			NO

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Name: 180726M1_107, Date: 27-Jul-2018, Time: 12:08:18, ID: ST180726M1-15 PFC CS3 18G1915, Description: PFC CS3 18G1915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-15 PFC CS3 18G1915	4.27e3	96.7	NO
2	2	13C5-PFHxA	ST180726M1-15 PFC CS3 18G1915	5.06e3	89.1	NO
3	3	13C3-PFHxS	ST180726M1-15 PFC CS3 18G1915	1.14e3	95.1	NO
4	4	13C8-PFOA	ST180726M1-15 PFC CS3 18G1915	5.56e3	92.6	NO
5	5	13C9-PFNA	ST180726M1-15 PFC CS3 18G1915	5.86e3	86.1	NO
6	6	13C4-PFOS	ST180726M1-15 PFC CS3 18G1915	1.27e3	89.2	NO
7	7	13C6-PFDA	ST180726M1-15 PFC CS3 18G1915	6.11e3	81.2	NO
8	8	13C7-PFUDa	ST180726M1-15 PFC CS3 18G1915	7.38e3	76.3	NO

Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180726M1-16 PFC CS0 18G1912	4.31e3	97.7	NO
2	2	13C5-PFHxA	ST180726M1-16 PFC CS0 18G1912	5.36e3	94.3	NO
3	3	13C3-PFHxS	ST180726M1-16 PFC CS0 18G1912	1.14e3	94.4	NO
4	4	13C8-PFOA	ST180726M1-16 PFC CS0 18G1912	6.90e3	114.8	NO
5	5	13C9-PFNA	ST180726M1-16 PFC CS0 18G1912	7.24e3	106.4	NO
6	6	13C4-PFOS	ST180726M1-16 PFC CS0 18G1912	1.44e3	101.6	NO
7	7	13C6-PFDA	ST180726M1-16 PFC CS0 18G1912	7.85e3	104.3	NO
8	8	13C7-PFUDa	ST180726M1-16 PFC CS0 18G1912	9.69e3	100.2	NO

Name: 180726M1_109, Date: 27-Jul-2018, Time: 12:44:07, ID: 1801622-07 SED 5 1.05, Description: SED 5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801622-07 SED 5 1.05	3.10e3	70.3	NO
2	2	13C5-PFHxA	1801622-07 SED 5 1.05	3.95e3	69.6	NO
3	3	13C3-PFHxS	1801622-07 SED 5 1.05	8.46e2	70.4	NO
4	4	13C8-PFOA	1801622-07 SED 5 1.05	4.27e3	71.0	NO
5	5	13C9-PFNA	1801622-07 SED 5 1.05	4.63e3	68.0	NO
6	6	13C4-PFOS	1801622-07 SED 5 1.05	1.05e3	73.9	NO
7	7	13C6-PFDA	1801622-07 SED 5 1.05	4.84e3	64.2	NO
8	8	13C7-PFUDa	1801622-07 SED 5 1.05	6.00e3	62.0	NO

Name: 180726M1_110, Date: 27-Jul-2018, Time: 12:54:31, ID: 1801656-01 TA-SB-AOC-H-03 (2-2.5)-EPA 1.13, Description: TA-SB-AOC-H-03 (2-2.5)-EPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	3.19e3	72.3	NO
2	2	13C5-PFHxA	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	4.04e3	71.1	NO
3	3	13C3-PFHxS	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	9.82e2	81.7	NO
4	4	13C8-PFOA	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	4.58e3	76.1	NO
5	5	13C9-PFNA	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	4.32e3	63.5	NO
6	6	13C4-PFOS	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	8.39e2	59.2	NO
7	7	13C6-PFDA	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	3.82e3	50.7	NO
8	8	13C7-PFUDa	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	4.25e3	44.0	YES

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Name: 180726M1_111, Date: 27-Jul-2018, Time: 13:05:02, ID: B8G0128-BLK1 Method Blank 0.005, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0128-BLK1 Method Blank 0.005	3.63e3	82.1	NO
2	2	13C5-PFHxA	B8G0128-BLK1 Method Blank 0.005	4.49e3	79.1	NO
3	3	13C3-PFHxS	B8G0128-BLK1 Method Blank 0.005	1.04e3	86.3	NO
4	4	13C8-PFOA	B8G0128-BLK1 Method Blank 0.005	4.98e3	82.9	NO
5	5	13C9-PFNA	B8G0128-BLK1 Method Blank 0.005	4.83e3	71.0	NO
6	6	13C4-PFOS	B8G0128-BLK1 Method Blank 0.005	1.07e3	75.4	NO
7	7	13C6-PFDA	B8G0128-BLK1 Method Blank 0.005	3.91e3	51.9	NO
8	8	13C7-PFUdA	B8G0128-BLK1 Method Blank 0.005	2.69e3	27.9	YES

Name: 180726M1_112, Date: 27-Jul-2018, Time: 13:15:32, ID: B8G0128-BS1 OPR 0.005, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0128-BS1 OPR 0.005	3.56e3	80.7	NO
2	2	13C5-PFHxA	B8G0128-BS1 OPR 0.005	4.64e3	81.6	NO
3	3	13C3-PFHxS	B8G0128-BS1 OPR 0.005	9.69e2	80.6	NO
4	4	13C8-PFOA	B8G0128-BS1 OPR 0.005	5.41e3	90.0	NO
5	5	13C9-PFNA	B8G0128-BS1 OPR 0.005	4.60e3	67.6	NO
6	6	13C4-PFOS	B8G0128-BS1 OPR 0.005	1.06e3	74.8	NO
7	7	13C6-PFDA	B8G0128-BS1 OPR 0.005	4.41e3	58.5	NO
8	8	13C7-PFUdA	B8G0128-BS1 OPR 0.005	4.71e3	48.7	YES

Name: 180726M1_113, Date: 27-Jul-2018, Time: 13:25:57, ID: 1801716-01 Milk 0.005, Description: Milk

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801716-01 Milk 0.005	3.12e3	70.7	NO
2	2	13C5-PFHxA	1801716-01 Milk 0.005	4.19e3	73.7	NO
3	3	13C3-PFHxS	1801716-01 Milk 0.005	8.42e2	70.1	NO
4	4	13C8-PFOA	1801716-01 Milk 0.005	4.71e3	78.3	NO
5	5	13C9-PFNA	1801716-01 Milk 0.005	4.99e3	73.3	NO
6	6	13C4-PFOS	1801716-01 Milk 0.005	1.00e3	70.5	NO
7	7	13C6-PFDA	1801716-01 Milk 0.005	4.36e3	57.8	NO
8	8	13C7-PFUdA	1801716-01 Milk 0.005	4.37e3	45.2	YES

Name: 180726M1_114, Date: 27-Jul-2018, Time: 13:36:27, ID: 1801623-03RE1@10X SP-SouthINF-20180706 0.261, Description: SP-SouthINF-20180706

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801623-03RE1@10X SP-SouthINF-20...	2.97e2	6.7	YES
2	2	13C5-PFHxA	1801623-03RE1@10X SP-SouthINF-20...	4.28e2	7.5	YES
3	3	13C3-PFHxS	1801623-03RE1@10X SP-SouthINF-20...	1.14e2	9.5	YES
4	4	13C8-PFOA	1801623-03RE1@10X SP-SouthINF-20...	3.88e2	6.5	YES
5	5	13C9-PFNA	1801623-03RE1@10X SP-SouthINF-20...	5.20e2	7.6	YES
6	6	13C4-PFOS	1801623-03RE1@10X SP-SouthINF-20...	1.40e2	9.9	YES
7	7	13C6-PFDA	1801623-03RE1@10X SP-SouthINF-20...	5.78e2	7.7	YES
8	8	13C7-PFUdA	1801623-03RE1@10X SP-SouthINF-20...	6.37e2	6.6	YES

Dataset: Untitled

Last Altered: Friday, July 27, 2018 15:23:17 Pacific Daylight Time

Printed: Friday, July 27, 2018 15:23:22 Pacific Daylight Time

Name: 180726M1_115, Date: 27-Jul-2018, Time: 13:46:52, ID: 1801620-05@10X SED 2 1.12, Description: SED 2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801620-05@10X SED 2 1.12	3.29e2	7.5	YES
2	2 13C5-PFHxA	1801620-05@10X SED 2 1.12	3.99e2	7.0	YES
3	3 13C3-PFHxS	1801620-05@10X SED 2 1.12	1.24e2	10.4	YES
4	4 13C8-PFOA	1801620-05@10X SED 2 1.12	4.53e2	7.5	YES
5	5 13C9-PFNA	1801620-05@10X SED 2 1.12	5.83e2	8.6	YES
6	6 13C4-PFOS	1801620-05@10X SED 2 1.12	1.10e2	7.8	YES
7	7 13C6-PFDA	1801620-05@10X SED 2 1.12	4.59e2	6.1	YES
8	8 13C7-PFUDa	1801620-05@10X SED 2 1.12	6.23e2	6.4	YES

Name: 180726M1_116, Date: 27-Jul-2018, Time: 13:57:22, ID: 1801620-06 SED 3 1.1, Description: SED 3

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801620-06 SED 3 1.1	3.24e3	73.3	NO
2	2 13C5-PFHxA	1801620-06 SED 3 1.1	3.97e3	69.9	NO
3	3 13C3-PFHxS	1801620-06 SED 3 1.1	8.88e2	73.9	NO
4	4 13C8-PFOA	1801620-06 SED 3 1.1	4.33e3	72.0	NO
5	5 13C9-PFNA	1801620-06 SED 3 1.1	4.56e3	67.0	NO
6	6 13C4-PFOS	1801620-06 SED 3 1.1	1.06e3	74.5	NO
7	7 13C6-PFDA	1801620-06 SED 3 1.1	5.25e3	69.7	NO
8	8 13C7-PFUDa	1801620-06 SED 3 1.1	6.40e3	66.2	NO

Name: 180726M1_117, Date: 27-Jul-2018, Time: 14:07:52, ID: B8G0045-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0045-BS1 OPR 1	2.99e3	67.7	NO
2	2 13C5-PFHxA	B8G0045-BS1 OPR 1	3.74e3	65.9	NO
3	3 13C3-PFHxS	B8G0045-BS1 OPR 1	8.58e2	71.3	NO
4	4 13C8-PFOA	B8G0045-BS1 OPR 1	4.34e3	72.3	NO
5	5 13C9-PFNA	B8G0045-BS1 OPR 1	4.43e3	65.1	NO
6	6 13C4-PFOS	B8G0045-BS1 OPR 1	1.05e3	73.8	NO
7	7 13C6-PFDA	B8G0045-BS1 OPR 1	4.61e3	61.2	NO
8	8 13C7-PFUDa	B8G0045-BS1 OPR 1	6.24e3	64.5	NO

Name: 180726M1_118, Date: 27-Jul-2018, Time: 14:18:17, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

Dataset: Untitled

Last Altered: Friday, July 27, 2018 15:23:17 Pacific Daylight Time

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Name: 180726M1_119, Date: 27-Jul-2018, Time: 14:37:51, ID: B8G0166-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0166-BS1 OPR 0.125	2.18e3	49.5	YES
2	2 13C5-PFHxA	B8G0166-BS1 OPR 0.125	2.83e3	49.8	YES
3	3 13C3-PFHxS	B8G0166-BS1 OPR 0.125	7.75e2	64.5	NO
4	4 13C8-PFOA	B8G0166-BS1 OPR 0.125	3.53e3	58.8	NO
5	5 13C9-PFNA	B8G0166-BS1 OPR 0.125	4.20e3	61.7	NO
6	6 13C4-PFOS	B8G0166-BS1 OPR 0.125	8.85e2	62.4	NO
7	7 13C6-PFDA	B8G0166-BS1 OPR 0.125	4.52e3	60.0	NO
8	8 13C7-PFUDa	B8G0166-BS1 OPR 0.125	5.82e3	60.2	NO

Name: 180726M1_120, Date: 27-Jul-2018, Time: 14:48:19, ID: 1801866-07 WI-A06-EB03-071718 0.12183, Description: WI-A06-EB03-071718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801866-07 WI-A06-EB03-071718 0.12...	2.14e3	48.4	YES
2	2 13C5-PFHxA	1801866-07 WI-A06-EB03-071718 0.12...	2.86e3	50.4	NO
3	3 13C3-PFHxS	1801866-07 WI-A06-EB03-071718 0.12...	5.90e2	49.0	YES
4	4 13C8-PFOA	1801866-07 WI-A06-EB03-071718 0.12...	3.30e3	54.9	NO
5	5 13C9-PFNA	1801866-07 WI-A06-EB03-071718 0.12...	3.56e3	52.4	NO
6	6 13C4-PFOS	1801866-07 WI-A06-EB03-071718 0.12...	8.48e2	59.8	NO
7	7 13C6-PFDA	1801866-07 WI-A06-EB03-071718 0.12...	3.78e3	50.3	NO
8	8 13C7-PFUDa	1801866-07 WI-A06-EB03-071718 0.12...	4.92e3	50.8	NO

Name: 180726M1_121, Date: 27-Jul-2018, Time: 14:58:44, ID: 1801866-14 WI-A06-6-S-43-0718 0.11835, Description: WI-A06-6-S-43-0718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.06e3	46.6	YES
2	2 13C5-PFHxA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.74e3	48.3	YES
3	3 13C3-PFHxS	1801866-14 WI-A06-6-S-43-0718 0.118...	6.53e2	54.3	NO
4	4 13C8-PFOA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.93e3	48.7	YES
5	5 13C9-PFNA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.94e3	43.2	YES
6	6 13C4-PFOS	1801866-14 WI-A06-6-S-43-0718 0.118...	7.98e2	56.2	NO
7	7 13C6-PFDA	1801866-14 WI-A06-6-S-43-0718 0.118...	2.83e3	37.5	YES
8	8 13C7-PFUDa	1801866-14 WI-A06-6-S-43-0718 0.118...	4.29e3	44.4	YES

Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180726M1-17 PFC CS3 18G1915	4.34e3	98.2	NO
2	2 13C5-PFHxA	ST180726M1-17 PFC CS3 18G1915	5.17e3	91.0	NO
3	3 13C3-PFHxS	ST180726M1-17 PFC CS3 18G1915	1.09e3	90.8	NO
4	4 13C8-PFOA	ST180726M1-17 PFC CS3 18G1915	5.73e3	95.4	NO
5	5 13C9-PFNA	ST180726M1-17 PFC CS3 18G1915	5.95e3	87.4	NO
6	6 13C4-PFOS	ST180726M1-17 PFC CS3 18G1915	1.22e3	86.2	NO
7	7 13C6-PFDA	ST180726M1-17 PFC CS3 18G1915	5.93e3	78.8	NO
8	8 13C7-PFUDa	ST180726M1-17 PFC CS3 18G1915	8.35e3	86.3	NO

Vista Analytical Laboratory

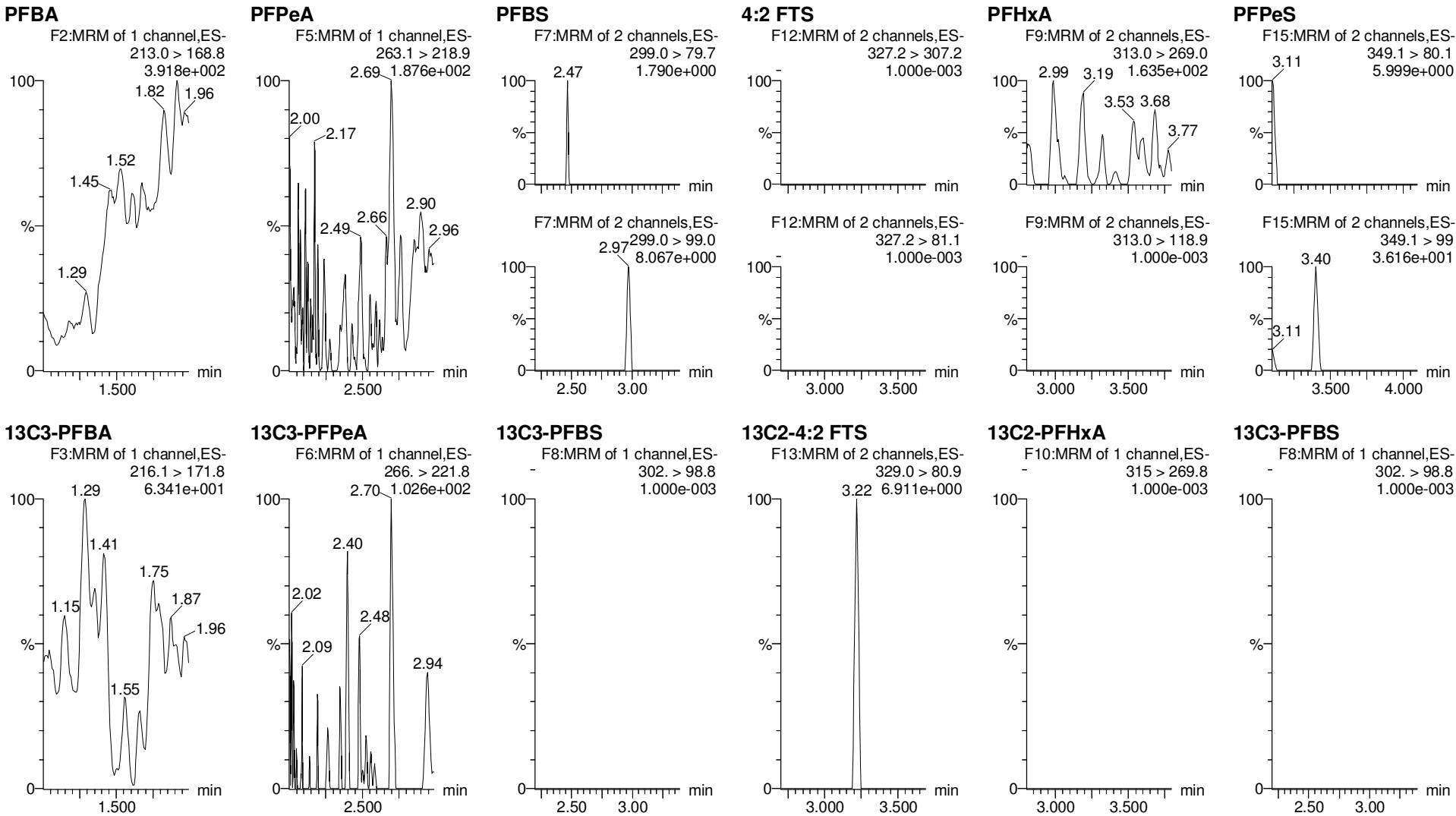
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Last Altered: Friday, July 27, 2018 11:27:08 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:32:19 Pacific Daylight Time

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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_12, Date: 26-Jul-2018, Time: 19:24:48, ID: IPA, Description: IPA



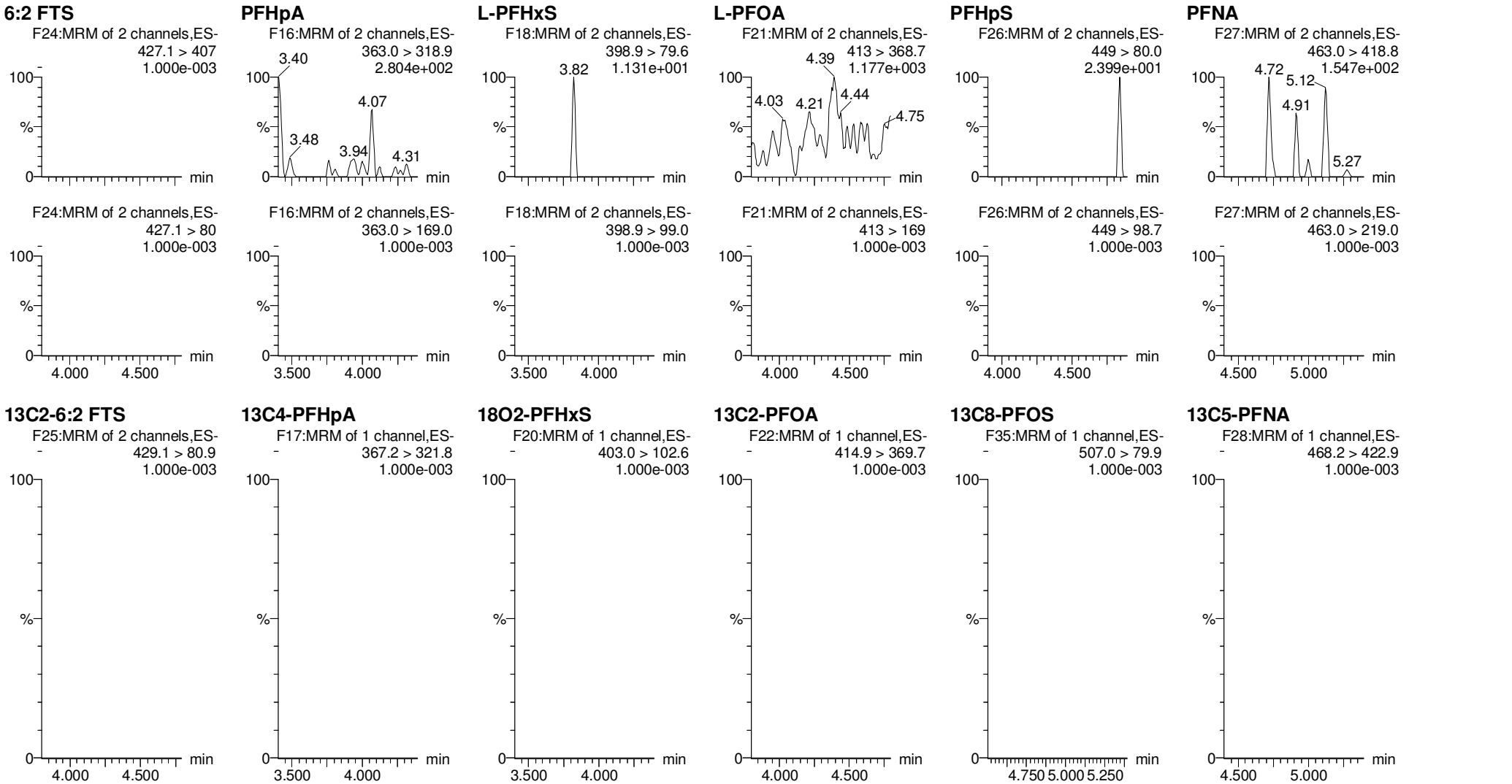
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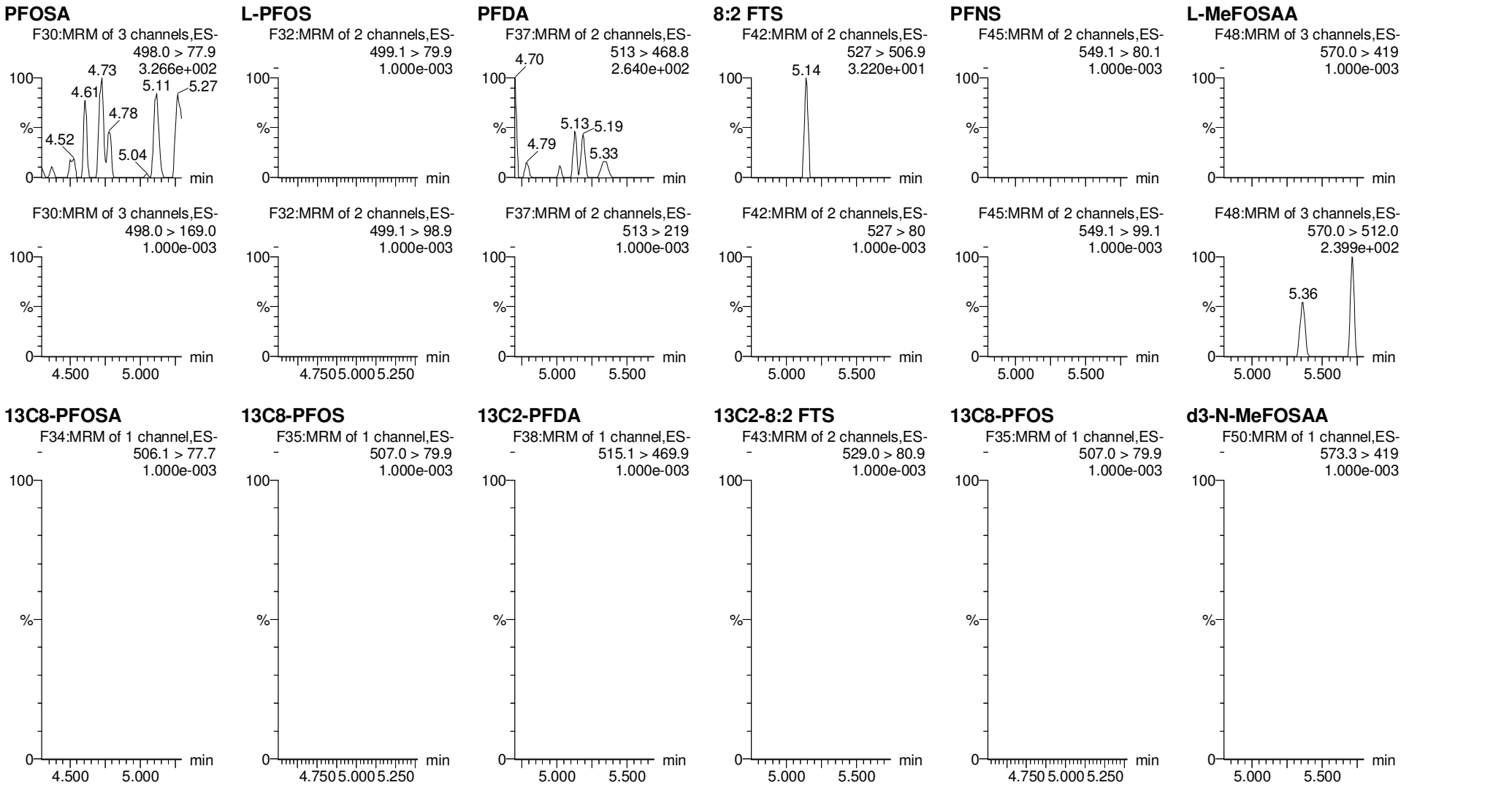
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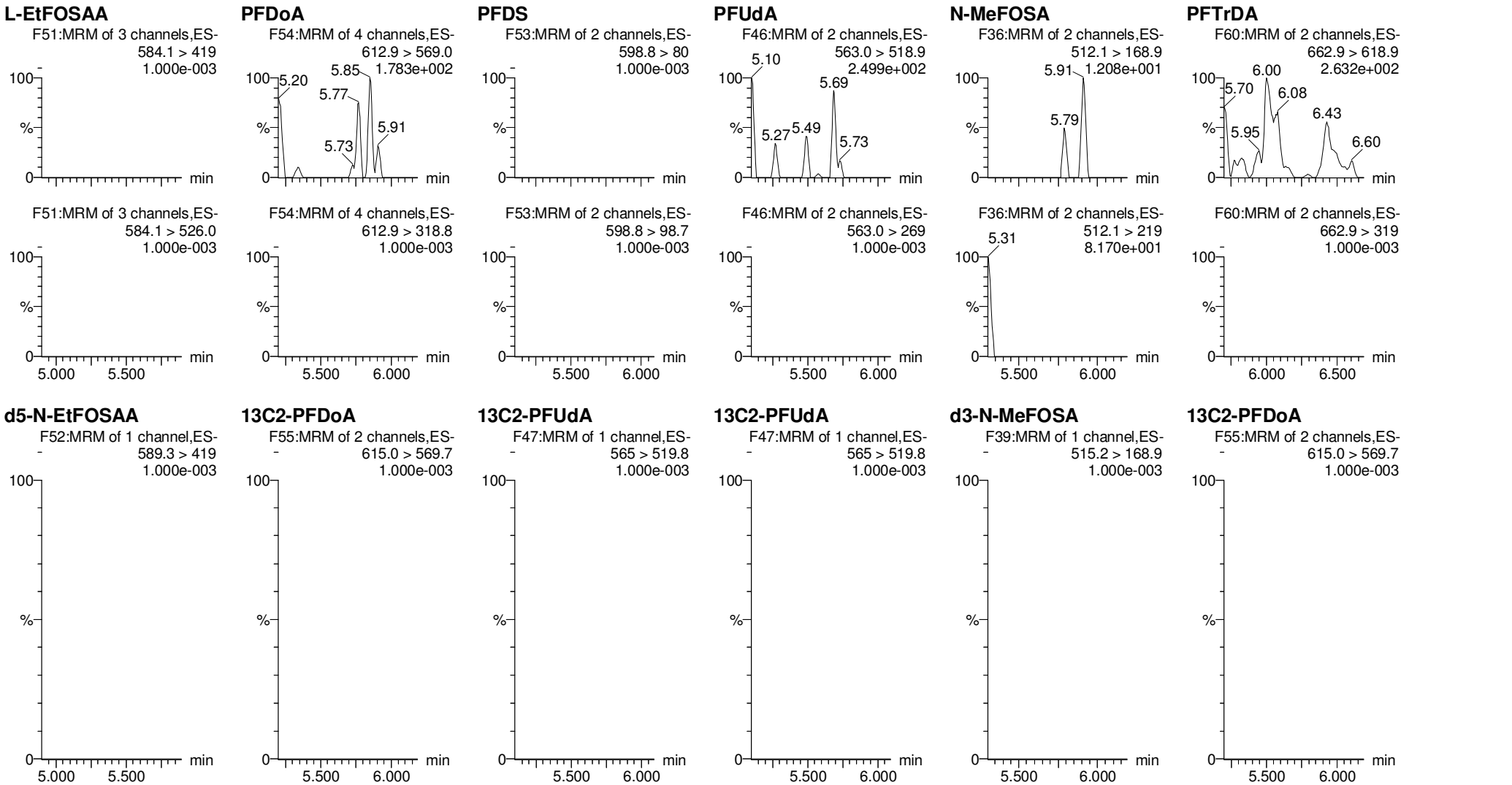
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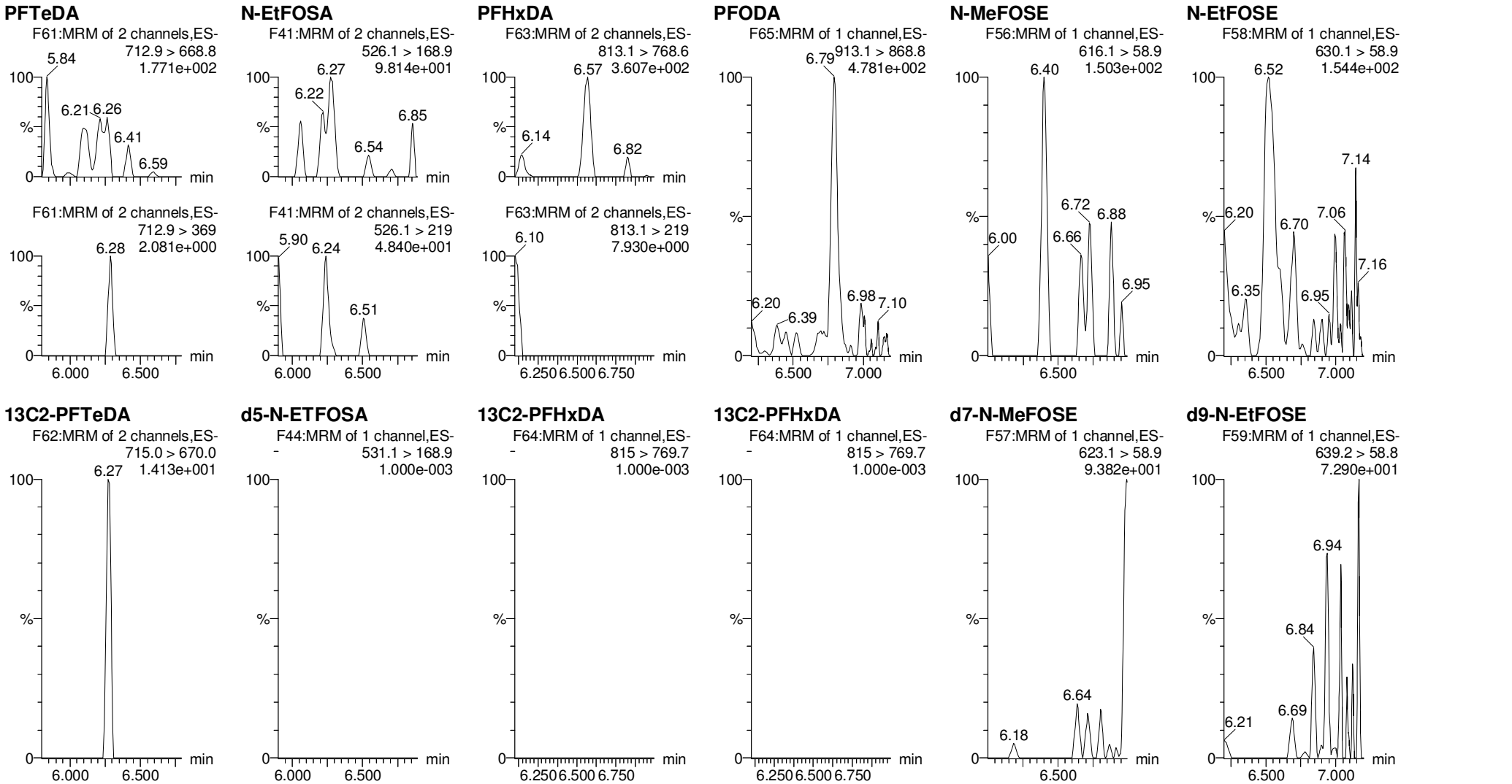


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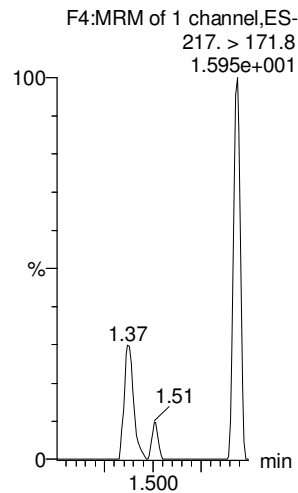
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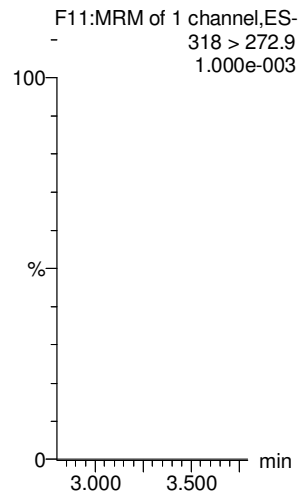
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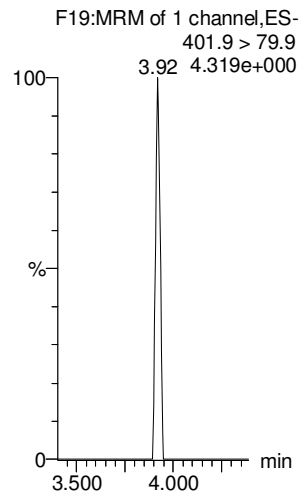
13C4-PFBA



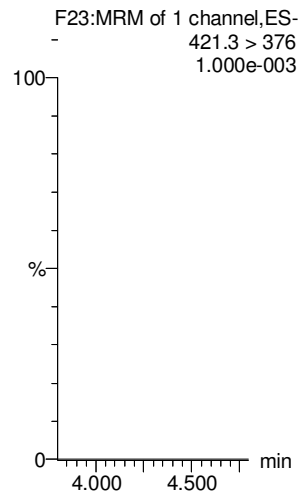
13C5-PFHxA



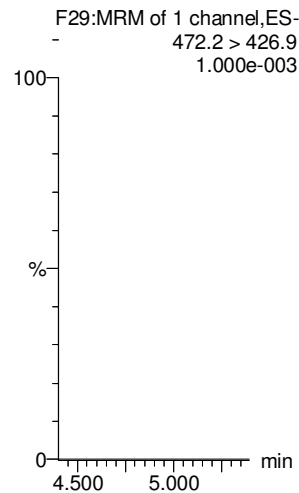
13C3-PFHxS



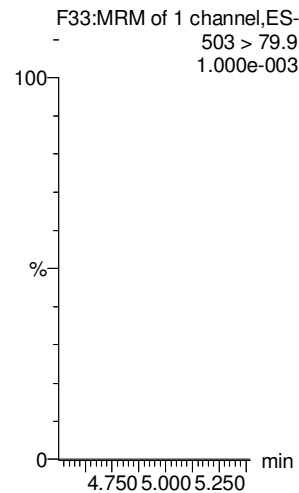
13C8-PFOA



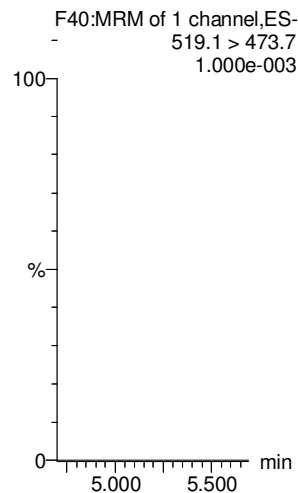
13C9-PFNA



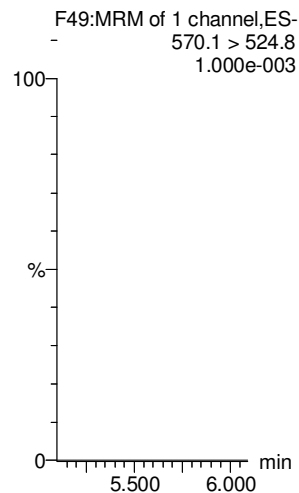
13C4-PFOS



13C6-PFDA



13C7-PFUDa



Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-108.qld

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① PFHPS, PFNS Above Limit Criteria

② MeFOSAA below limit criteria

OM
7/30/18

Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	328.220	3882.099	1.00	1.38	1.057	1.0	95.1	NO		
2	2 PFPeA	263.1 > 218.9	389.890	5054.177	1.00	2.34	0.964	1.0	99.6	NO		
3	3 PFBS	299.0 > 79.7	99.844	569.560	1.00	2.62	2.191	1.2	117.1	NO	3.305	NO
4	4 4:2 FTS	327.2>307.2	51.518	508.733	1.00	3.04	1.266	0.8	80.4	NO	1.565	NO
5	5 PFHxA	313.0 > 269.0	531.613	1656.274	1.00	3.14	1.605	1.0	102.3	NO	29.214	YES
6	6 PFPeS	349.1>80.1	75.989	569.560	1.00	3.34	1.668	1.2	118.5	NO	1.873	NO
7	36 13C3-PFBA	216.1 > 171.8	3882.099	4311.695	1.00	1.38	11.255	12.4	98.8	NO		
8	37 13C3-PFPeA	266. > 221.8	5054.177	5358.199	1.00	2.33	11.791	12.0	96.1	NO		
9	38 13C3-PFBS	302. > 98.8	569.560	5358.199	1.00	2.62	1.329	11.7	93.5	NO		
10	39 13C2-4:2 FTS	329.0>80.9	508.733	5358.199	1.00	3.05	1.187	11.8	94.6	NO		
11	40 13C2-PFHxA	315 > 269.8	1656.274	5358.199	1.00	3.14	3.864	5.1	101.5	NO		
12	38 13C3-PFBS	302. > 98.8	569.560	5358.199	1.00	2.62	1.329	11.7	93.5	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	76.361	570.771	1.00	4.26	1.672	1.1	110.7	NO	4.992	YES
15	7 PFHpA	363.0 > 318.9	455.362	4509.333	1.00	3.77	1.262	1.1	114.0	NO	35.898	YES
16	8 L-PFHxS	398.9 > 79.6	89.544	555.541	1.00	3.92	2.015	1.2	124.5	NO	3.162	YES
17	11 L-PFOA	413 > 368.7	534.884	6378.667	1.00	4.31	1.048	1.0	95.3	NO	4.635	NO
18	13 PFHpS	449 > 80.0	128.896	1481.615	1.00	4.42	1.087	1.4	135.5	YES [Ⓐ]	2.697	YES
19	14 PFNA	463.0 > 418.8	544.729	6931.962	1.00	4.75	0.982	0.9	85.2	NO	3.942	NO
20	43 13C2-6:2 FTS	429.1 > 80.9	570.771	6899.636	1.00	4.26	1.034	11.5	91.6	NO		
21	41 13C4-PFHpA	367.2 > 321.8	4509.333	5358.199	1.00	3.77	10.520	12.2	97.5	NO		
22	42 18O2-PFHxS	403.0 > 102.6	555.541	1135.285	1.00	3.92	6.117	12.5	99.8	NO		
23	44 13C2-PFOA	414.9 > 369.7	6378.667	6899.636	1.00	4.30	11.556	11.4	91.0	NO		
24	47 13C8-PFOS	507.0 > 79.9	1481.615	1440.866	1.00	4.83	12.854	12.3	98.1	NO		
25	45 13C5-PFNA	468.2 > 422.9	6931.962	7239.044	1.00	4.75	11.970	12.3	98.2	NO		
26	-1											
27	15 PFOSA	498.0 > 77.9	216.877	2807.947	1.00	4.81	0.965	1.1	111.2	NO		Q
28	16 L-PFOS	499.1 > 79.9	73.554	1481.615	1.00	4.84	0.621	0.8	76.5	NO	1.362	NO
29	18 PFDA	513 > 468.8	704.103	7459.682	1.00	5.14	1.180	1.0	100.0	NO	5.794	NO
30	19 8:2 FTS	527 > 506.9	88.009	790.329	1.00	5.11	1.392	1.0	98.8	NO	3.171	NO
31	20 PFNS	549.1>80.1	87.534	1481.615	1.00	5.20	0.739	1.3	131.3	YES [Ⓐ]	4.354	YES
32	21 L-MeFOSAA	570.0 > 419	112.696	2175.936	1.00	5.29	0.647	0.7	66.9	YES [Ⓑ]	3.971	YES
33	46 13C8-PFOSA	506.1 > 77.7	2807.947	9685.122	1.00	4.81	3.624	12.6	100.5	NO		
34	47 13C8-PFOS	507.0 > 79.9	1481.615	1440.866	1.00	4.83	12.854	12.3	98.1	NO		
35	48 13C2-PFDA	515.1 > 469.9	7459.682	7851.501	1.00	5.14	11.876	12.1	96.5	NO		
36	49 13C2-8:2 FTS	529.0 > 80.9	790.329	5358.199	1.00	5.11	1.844	17.4	139.5	NO		

VBF 7/27/18

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-108.qld

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ⓑ EtFOSAA below limit criteria

Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	1481.615	1440.866	1.00	4.83	12.854	12.3	98.1	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2175.936	9685.122	1.00	5.29	2.808	12.4	99.4	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	65.271	2231.986	1.00	5.46	0.366	0.6	60.5	YES ⓑ	1.819	NO
41	27 PFDaA	612.9 > 569.0	797.533	6831.619	1.00	5.76	1.459	1.3	127.1	NO	11.044	NO
42	26 PFDS	598.8 > 80	75.552	9994.735	1.00	5.51	0.094	0.8	82.7	NO	3.489	YES
43	25 PFUdA	563.0 > 518.9	616.737	9994.735	1.00	5.47	0.771	0.7	72.6	NO	13.908	NO
44	28 N-MeFOSA	512.1 > 168.9	325.320	8976.836	1.00	5.83	5.436	5.2	103.9	NO	1.444	NO
45	29 PFTrDA	662.9 > 618.9	733.778	6831.619	1.00	6.00	1.343	1.2	115.2	NO		Q
46	51 d5-N-EtFOSAA	589.3 > 419	2231.986	9685.122	1.00	5.44	2.881	11.8	94.4	NO		
47	53 13C2-PFDaA	615.0 > 569.7	6831.619	7851.501	1.00	5.76	10.876	8.7	70.0	NO		
48	52 13C2-PFUdA	565 > 519.8	9994.735	9685.122	1.00	5.47	12.900	13.9	110.9	NO		
49	52 13C2-PFUdA	565 > 519.8	9994.735	9685.122	1.00	5.47	12.900	13.9	110.9	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	8976.836	9685.122	1.00	5.86	11.586	138.6	92.4	NO		
51	53 13C2-PFDaA	615.0 > 569.7	6831.619	7851.501	1.00	5.76	10.876	8.7	70.0	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	674.912	9334.157	1.00	6.22	0.904	1.1	111.9	NO	16.171	NO
54	31 N-EtFOSA	526.1 > 168.9	353.803	10674.536	1.00	6.24	4.972	5.4	108.3	NO	1.228	NO
55	32 PFHxDA	813.1 > 768.6	364.238	3152.463	1.00	6.55	0.578	0.8	84.4	NO		Q
56	33 PFODA	913.1 > 868.8	515.125	3152.463	1.00	6.77	0.817	0.8	79.3	NO		
57	34 N-MeFOSE	616.1 > 58.9	238.260	8146.287	1.00	6.40	4.387	4.8	96.0	NO		
58	35 N-EtFOSE	630.1 > 58.9	255.509	7956.223	1.00	6.55	4.817	4.4	88.3	NO		
59	55 13C2-PFTeDA	715.0 > 670.0	9334.157	9685.122	1.00	6.22	12.047	11.4	90.9	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	10674.536	9685.122	1.00	6.26	13.777	145.4	96.9	NO		
61	57 13C2-PFHxDA	815 > 769.7	3152.463	9685.122	1.00	6.55	4.069	4.5	90.3	NO		
62	57 13C2-PFHxDA	815 > 769.7	3152.463	9685.122	1.00	6.55	4.069	4.5	90.3	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	8146.287	9685.122	1.00	6.39	10.514	136.4	90.9	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	7956.223	9685.122	1.00	6.54	10.269	127.4	84.9	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	4311.695	4311.695	1.00	1.38	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	5358.199	5358.199	1.00	3.14	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1135.285	1135.285	1.00	3.92	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	421.3 > 376	6899.636	6899.636	1.00	4.31	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	7239.044	7239.044	1.00	4.75	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	1440.866	1440.866	1.00	4.83	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	7851.501	7851.501	1.00	5.14	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-108.qld

Last Altered: Friday, July 27, 2018 15:01:57 Pacific Daylight Time

Printed: Friday, July 27, 2018 15:02:04 Pacific Daylight Time

Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	9685.122	9685.122	1.00	5.47	12.500	12.5	100.0		NO	

Dataset: Untitled

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Printed: Friday, July 27, 2018 15:16:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 27 Jul 2018 15:04:28

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180726M1_1	IPA	26-Jul-18	17:29:40
2	2 180726M1_2	ST180726M1-1 PFC CS-2 18G1910	26-Jul-18	17:40:07
3	3 180726M1_3	ST180726M1-2 PFC CS-1 18G1911	26-Jul-18	17:50:37
4	4 180726M1_4	ST180726M1-3 PFC CS0 18G1912	26-Jul-18	18:01:07
5	5 180726M1_5	ST180726M1-4 PFC CS1 18G1913	26-Jul-18	18:11:32
6	6 180726M1_6	ST180726M1-5 PFC CS2 18G1914	26-Jul-18	18:22:02
7	7 180726M1_7	ST180726M1-6 PFC CS3 18G1915	26-Jul-18	18:32:27
8	8 180726M1_8	ST180726M1-7 PFC CS4 18G1916	26-Jul-18	18:42:57
9	9 180726M1_9	ST180726M1-8 PFC CS5 18G1917	26-Jul-18	18:53:21
10	10 180726M1_10	ST180726M1-9 PFC CS6 18G1918	26-Jul-18	19:03:52
11	11 180726M1_11	ST180726M1-10 PFC CS7 18G1919	26-Jul-18	19:14:17
12	12 180726M1_12	IPA	26-Jul-18	19:24:48
13	13 180726M1_13	ICV180726M1-1 PFC 537 ICV 18G1920	26-Jul-18	19:35:18
14	14 180726M1_14	IPA	26-Jul-18	19:45:44
15	15 180726M1_15	B8F0245-BS1 OPR 0.25	26-Jul-18	19:56:16
16	16 180726M1_16	B8G0070-BS1 OPR 0.125	26-Jul-18	20:06:44
17	17 180726M1_17	1801766-05 DUP01-20180712 0.24862	26-Jul-18	20:17:10
18	18 180726M1_18	1801766-06 IS720W03S-20180712 0.2...	26-Jul-18	20:27:40
19	19 180726M1_19	1801766-07 I012MW13S-20180712 0.2...	26-Jul-18	20:38:05
20	20 180726M1_20	1801812-02 REEPDW1209 0.11614	26-Jul-18	20:48:35
21	21 180726M1_21	1801812-03 REEPDW1210 0.12112	26-Jul-18	20:58:59
22	22 180726M1_22	1801812-05 REEPDW1211 0.11713	26-Jul-18	21:11:36
23	23 180726M1_23	B8G0168-BS1 OPR 0.125	26-Jul-18	21:22:01
24	24 180726M1_24	B8G0168-MS1 Matrix Spike 0.1215	26-Jul-18	21:32:31
25	25 180726M1_25	B8G0168-MSD1 Matrix Spike Dup 0.121...	26-Jul-18	21:42:56
26	26 180726M1_26	B8G0168-BLK1 Method Blank 0.125	26-Jul-18	21:53:26
27	27 180726M1_27	1801866-10 WI-A06-6-S-42-0718 0.121...	26-Jul-18	22:03:52
28	28 180726M1_28	1801866-11 WI-A06-6-S-42P-0718 0.11...	26-Jul-18	22:14:22
29	29 180726M1_29	1801866-14 WI-A06-6-S-43-0718 0.119...	26-Jul-18	22:24:47
30	30 180726M1_30	B8G0166-BS1 OPR 0.125	26-Jul-18	22:35:18
31	31 180726M1_31	B8G0166-MS1 Matrix Spike 0.11912	26-Jul-18	22:45:48
32	32 180726M1_32	B8G0166-MSD1 Matrix Spike Dup 0.1183	26-Jul-18	22:56:13

Dataset: Untitled

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Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180726M1_33	B8G0166-BLK1 Method Blank 0.125	26-Jul-18	23:06:43
34	34 180726M1_34	1801866-01 WI-A06-FB01-071718 0.11...	26-Jul-18	23:17:08
35	35 180726M1_35	1801866-02 WI-A06-S-11-0718 0.12042	26-Jul-18	23:27:38
36	36 180726M1_36	IPA	26-Jul-18	23:38:04
37	37 180726M1_37	ST180726M1-11 PFC CS3 18G1915	26-Jul-18	23:48:34
38	38 180726M1_38	1801866-03 WI-A06-6-S-40-0718 0.1204	26-Jul-18	23:58:59
39	39 180726M1_39	1801866-04 WI-A06-FB02-071818 0.12...	27-Jul-18	00:09:30
40	40 180726M1_40	1801866-05 WI-A06-EB01-071718 0.11...	27-Jul-18	00:20:00
41	41 180726M1_41	1801866-06 WI-A06-EB02-071718 0.12...	27-Jul-18	00:30:25
42	42 180726M1_42	1801866-07 WI-A06-EB03-071718 0.12...	27-Jul-18	00:40:55
43	43 180726M1_43	1801866-08 WI-A06-EB04-071818 0.12...	27-Jul-18	00:51:21
44	44 180726M1_44	1801866-09 WI-A06-6-S-41-0718 0.121...	27-Jul-18	01:01:50
45	45 180726M1_45	1801866-10 WI-A06-6-S-42-0718 0.121...	27-Jul-18	01:12:16
46	46 180726M1_46	1801866-11 WI-A06-6-S-42P-0718 0.11...	27-Jul-18	01:22:47
47	47 180726M1_47	1801866-12 WI-A06-FB03-071918 0.12...	27-Jul-18	01:33:17
48	48 180726M1_48	1801866-13 WI-A06-EB05-071918 0.12...	27-Jul-18	01:43:42
49	49 180726M1_49	1801866-14 WI-A06-6-S-43-0718 0.118...	27-Jul-18	01:54:12
50	50 180726M1_50	B8G0115-BS1 OPR 0.125	27-Jul-18	02:04:38
51	51 180726M1_51	B8G0115-BLK1 Method Blank 0.125	27-Jul-18	02:15:08
52	52 180726M1_52	1801671-06 On-Site Water Supply 0.114...	27-Jul-18	02:25:39
53	53 180726M1_53	B8G0068-BS1 OPR 0.25	27-Jul-18	02:36:03
54	54 180726M1_54	B8G0068-BLK1 Method Blank 0.25	27-Jul-18	02:46:33
55	55 180726M1_55	1801570-01 SW CLEAR LAKE 0.25704	27-Jul-18	02:56:58
56	56 180726M1_56	1801570-02 SW RIVER LAKE 0.25969	27-Jul-18	03:07:29
57	57 180726M1_57	1801570-03 MW-88 0.26886	27-Jul-18	03:17:53
58	58 180726M1_58	1801570-04 MW-35 0.26473	27-Jul-18	03:28:24
59	59 180726M1_59	IPA	27-Jul-18	03:38:50
60	60 180726M1_60	ST180726M1-12 PFC CS3 18G1915	27-Jul-18	03:49:20
61	61 180726M1_61	1801570-05 MW-73 0.26325	27-Jul-18	03:59:50
62	62 180726M1_62	1801570-06 DUP-2 0.26549	27-Jul-18	04:10:15
63	63 180726M1_63	1801570-07 FB-2 0.2635	27-Jul-18	04:20:45
64	64 180726M1_64	1801570-08 EQ BLANK-2 0.26237	27-Jul-18	04:31:11
65	65 180726M1_65	1801570-09 MW72R 0.26142	27-Jul-18	04:41:41
66	66 180726M1_66	1801570-10 MW-86 0.26406	27-Jul-18	04:52:05
67	67 180726M1_67	1801570-11 SW LONESOME LAKE 0.2...	27-Jul-18	05:02:36
68	68 180726M1_68	1801570-12 SW MARSH LAKE 0.26	27-Jul-18	05:13:02

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Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180726M1_69	1801570-13 SW CHUBB CREEK 0.256...	27-Jul-18	05:23:32
70	70 180726M1_70	1801570-14 MW 78R 0.26505	27-Jul-18	05:33:56
71	71 180726M1_71	1801570-15 Geosub Blank 0.26035	27-Jul-18	05:44:27
72	72 180726M1_72	B8G0073-BS1 OPR 0.25	27-Jul-18	05:54:52
73	73 180726M1_73	B8G0073-MS1 Matrix Spike 0.25167	27-Jul-18	06:05:22
74	74 180726M1_74	B8G0073-MSD1 Matrix Spike Dup 0.248...	27-Jul-18	06:15:48
75	75 180726M1_75	B8G0073-BLK1 Method Blank 0.25	27-Jul-18	06:26:18
76	76 180726M1_76	1801578-01 WT-26 0.25546	27-Jul-18	06:36:49
77	77 180726M1_77	1801578-02 PZ-26A 0.25242	27-Jul-18	06:47:13
78	78 180726M1_78	IPA	27-Jul-18	06:57:43
79	79 180726M1_79	ST180726M1-13 PFC CS3 18G1915	27-Jul-18	07:08:09
80	80 180726M1_80	1801578-03 WP-06R 0.2564	27-Jul-18	07:18:39
81	81 180726M1_81	1801578-04 WT-31 0.2499	27-Jul-18	07:29:04
82	82 180726M1_82	1801578-05 PZ-31A 0.25234	27-Jul-18	07:39:34
83	83 180726M1_83	1801578-06 DUP 0.25265	27-Jul-18	07:50:00
84	84 180726M1_84	1801578-07 Field Blank 0.2534	27-Jul-18	08:00:30
85	85 180726M1_85	1801578-08 Equipment Blank 0.25517	27-Jul-18	08:10:54
86	86 180726M1_86	B8G0097-BS1 OPR 1	27-Jul-18	08:21:24
87	87 180726M1_87	B8G0097-BLK1 Method Blank 1	27-Jul-18	08:31:55
88	88 180726M1_88	1801621-01 SB-1 5-6 ft 1.03	27-Jul-18	08:42:20
89	89 180726M1_89	1801621-02 SB-15 1.09	27-Jul-18	08:52:51
90	90 180726M1_90	1801621-03 SB-3 2.5-3 ft 1.08	27-Jul-18	09:03:21
91	91 180726M1_91	1801621-04 SB-2 2-3 ft 1.06	27-Jul-18	09:13:46
92	92 180726M1_92	1801621-05 SB-8 1.11	27-Jul-18	09:24:08
93	93 180726M1_93	1801621-06 SB-13 1.1	27-Jul-18	09:34:38
94	94 180726M1_94	IPA	27-Jul-18	09:45:03
95	95 180726M1_95	ST180726M1-14 PFC CS3 18G1915	27-Jul-18	09:55:33
96	96 180726M1_96	1801621-07 SB-2 5-6 ft 1.03	27-Jul-18	10:05:58
97	97 180726M1_97	1801621-08 SB-7 4.5-5 ft 1.04	27-Jul-18	10:16:28
98	98 180726M1_98	1801621-09 SB-14 1.01	27-Jul-18	10:26:53
99	99 180726M1_99	1801621-10 SB-5 1.01	27-Jul-18	10:37:24
100	1... 180726M1_100	1801622-01 SB-7 2.5-3 ft 1.14	27-Jul-18	10:47:54
101	1... 180726M1_101	1801622-02 SB-9 1.03	27-Jul-18	10:58:18
102	1... 180726M1_102	1801622-03 SB-10 1.06	27-Jul-18	11:08:48
103	1... 180726M1_103	1801622-04 SB-11 1.05	27-Jul-18	11:19:12
104	1... 180726M1_104	1801622-05 SB-12 1.1	27-Jul-18	11:36:48

Dataset: Untitled

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Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
105	1... 180726M1_105	1801622-06 SED 1 1.04	27-Jul-18	11:47:25
106	1... 180726M1_106	IPA	27-Jul-18	11:57:52
107	1... 180726M1_107	ST180726M1-15 PFC CS3 18G1915	27-Jul-18	12:08:18
108	1... 180726M1_108	ST180726M1-16 PFC CS0 18G1912	27-Jul-18	12:33:38
109	1... 180726M1_109	1801622-07 SED 5 1.05	27-Jul-18	12:44:07
110	1... 180726M1_110	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	27-Jul-18	12:54:31
111	1... 180726M1_111	B8G0128-BLK1 Method Blank 0.005	27-Jul-18	13:05:02
112	1... 180726M1_112	B8G0128-BS1 OPR 0.005	27-Jul-18	13:15:32
113	1... 180726M1_113	1801716-01 Milk 0.005	27-Jul-18	13:25:57
114	1... 180726M1_114	1801623-03RE1@10X SP-SouthINF-20...	27-Jul-18	13:36:27
115	1... 180726M1_115	1801620-05@10X SED 2 1.12	27-Jul-18	13:46:52
116	1... 180726M1_116	1801620-06 SED 3 1.1	27-Jul-18	13:57:22
117	1... 180726M1_117	B8G0045-BS1 OPR 1	27-Jul-18	14:07:52
118	1... 180726M1_118	IPA	27-Jul-18	14:18:17
119	1... 180726M1_119	B8G0166-BS1 OPR 0.125	27-Jul-18	14:37:51
120	1... 180726M1_120	1801866-07 WI-A06-EB03-071718 0.12...	27-Jul-18	14:48:19
121	1... 180726M1_121	1801866-14 WI-A06-6-S-43-0718 0.118...	27-Jul-18	14:58:44
122	1... 180726M1_122	ST180726M1-17 PFC CS3 18G1915	27-Jul-18	15:09:15

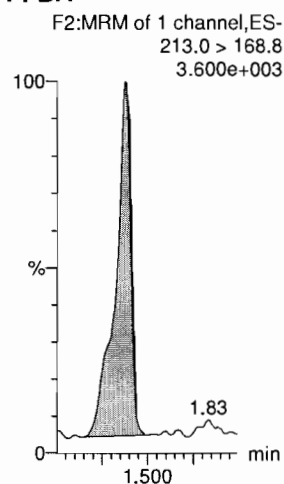
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Printed: Friday, July 27, 2018 15:02:04 Pacific Daylight Time

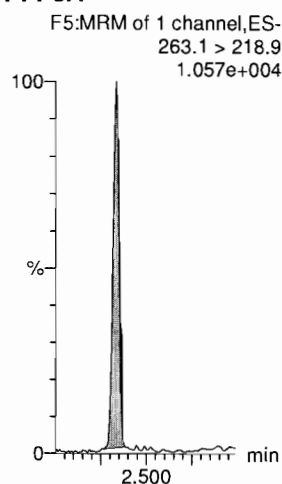
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Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

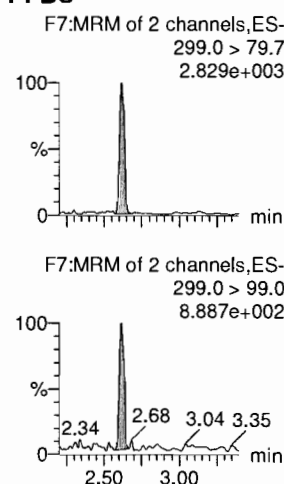
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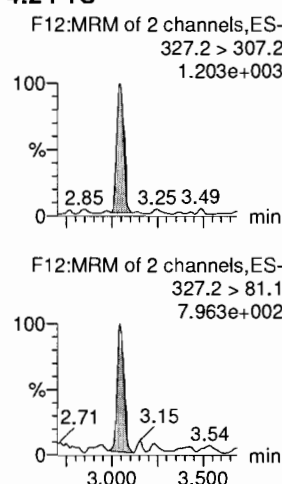
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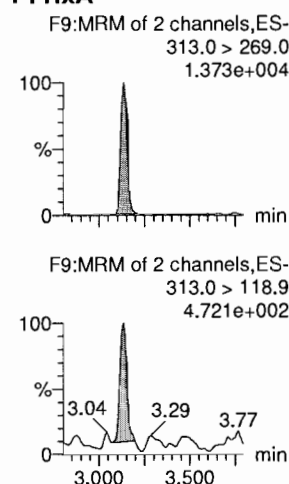
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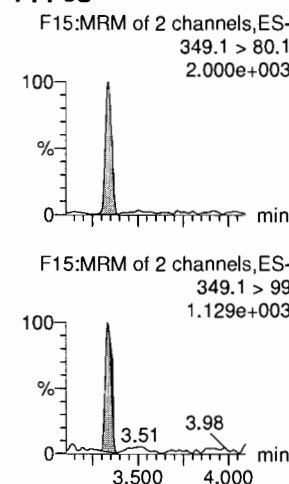
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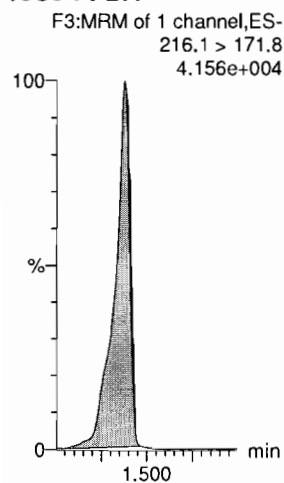
PFHxA



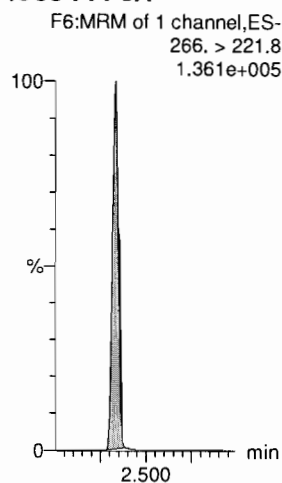
PFPeS



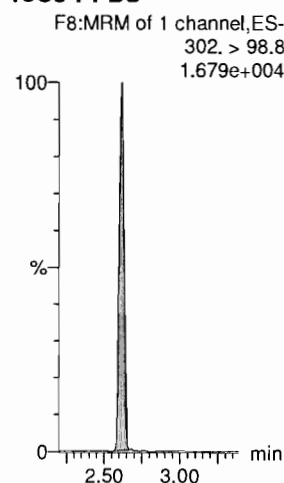
13C3-PFBA



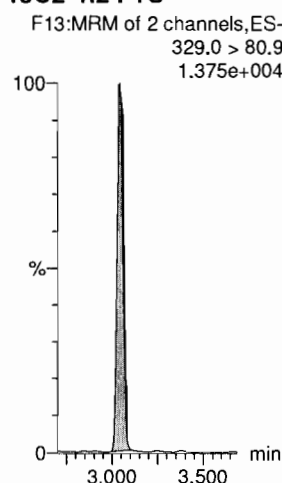
13C3-PFPeA



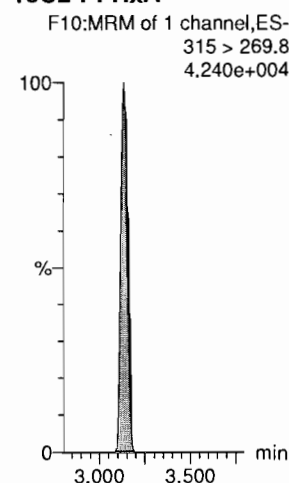
13C3-PFBS



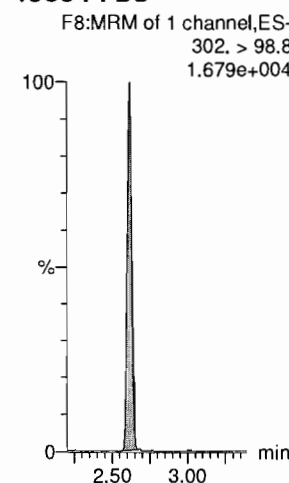
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

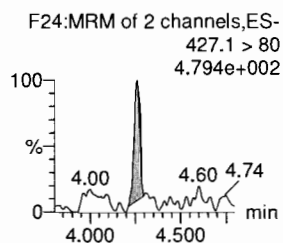
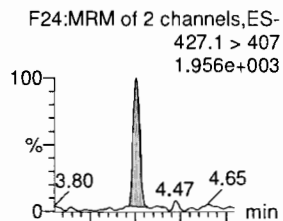


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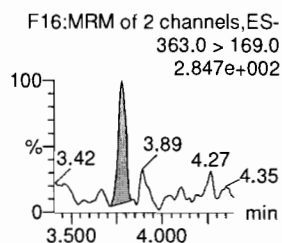
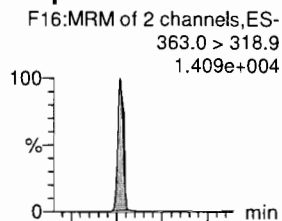
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Printed: Friday, July 27, 2018 15:02:04 Pacific Daylight Time

Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

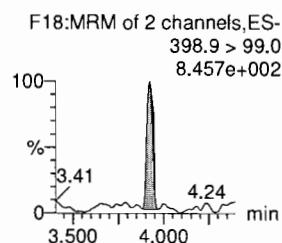
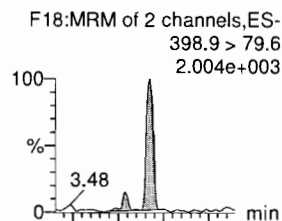
6:2 FTS



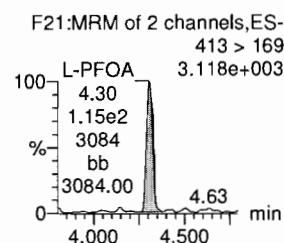
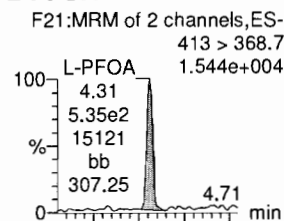
PFHpA



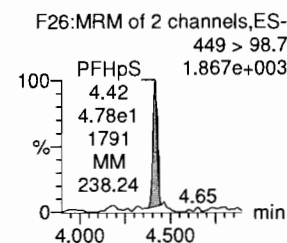
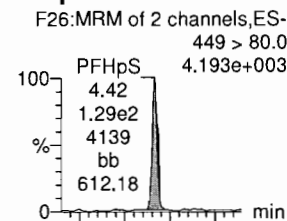
L-PFHxS



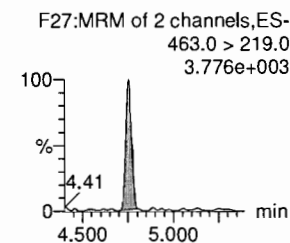
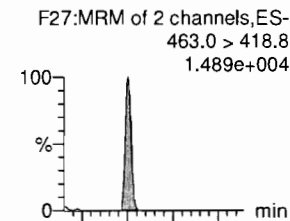
L-PFOA



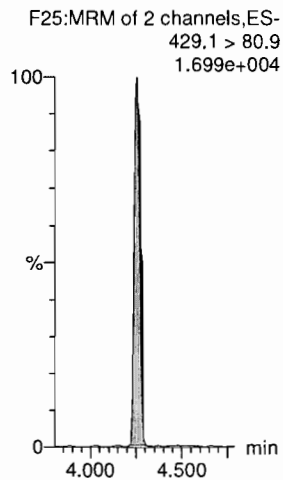
PFHpS



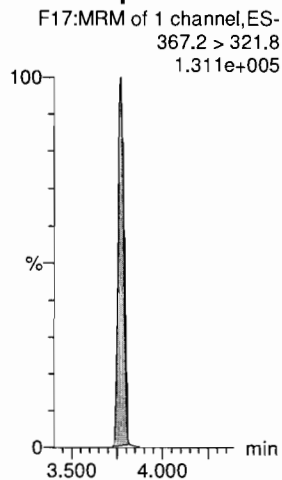
PFNA



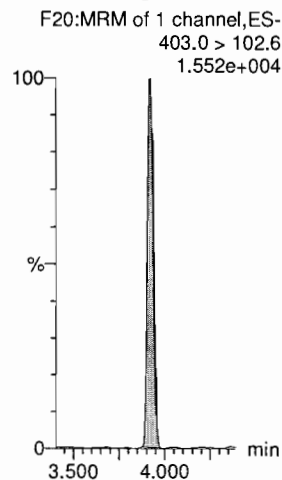
13C2-6:2 FTS



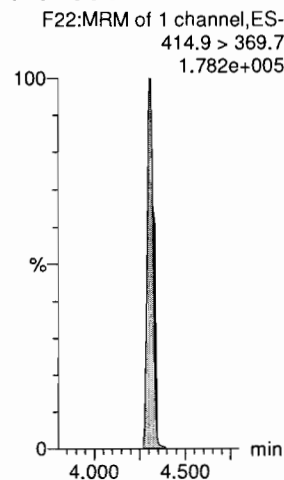
13C4-PFHpA



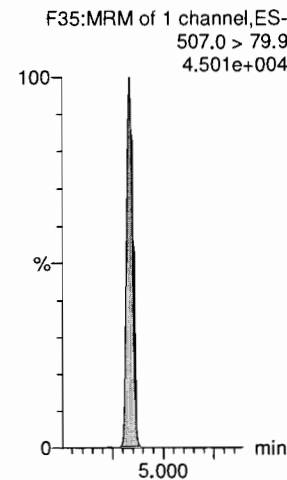
18O2-PFHxS



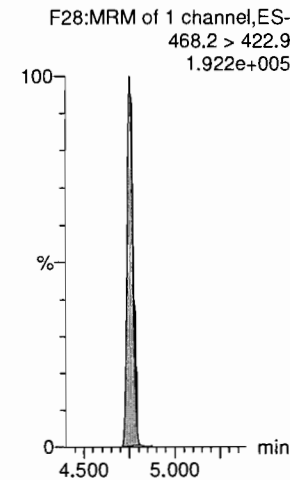
13C2-PFOA



13C8-PFOS



13C5-PFNA



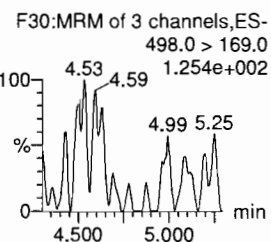
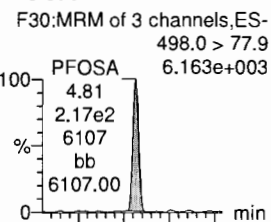
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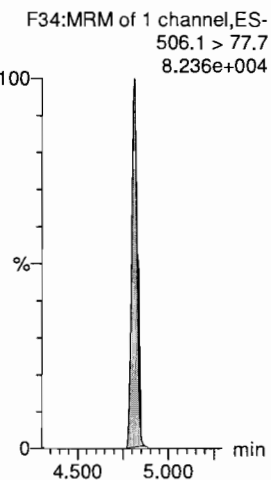
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Name: 180726M1_108, Date: 27-Jul-2018, Time: 12:33:38, ID: ST180726M1-16 PFC CS0 18G1912, Description: PFC CS0 18G1912

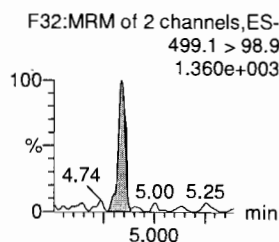
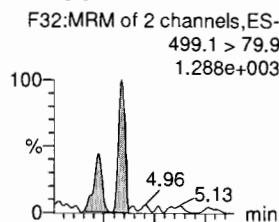
PFOSA



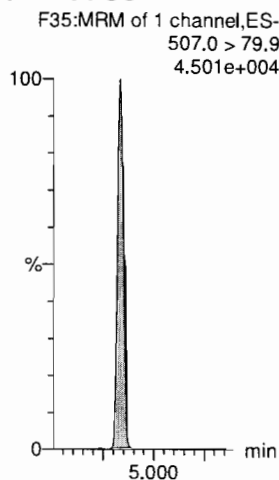
13C8-PFOSA



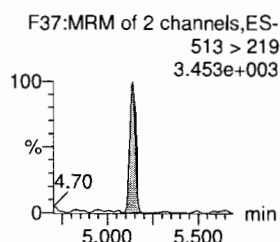
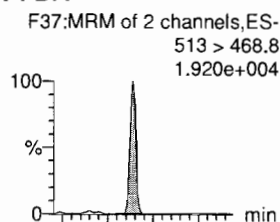
L-PFOS



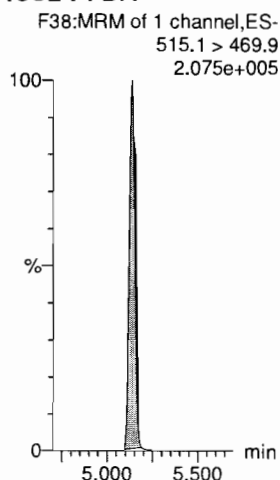
13C8-PFOS



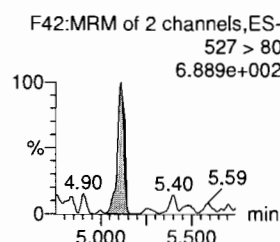
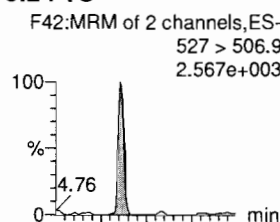
PFDA



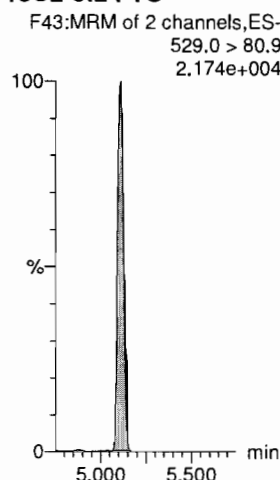
13C2-PFDA



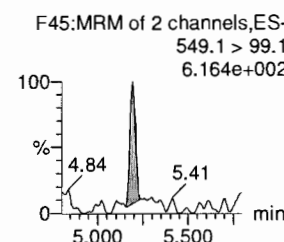
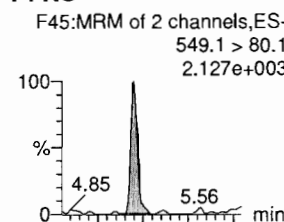
8:2 FTS



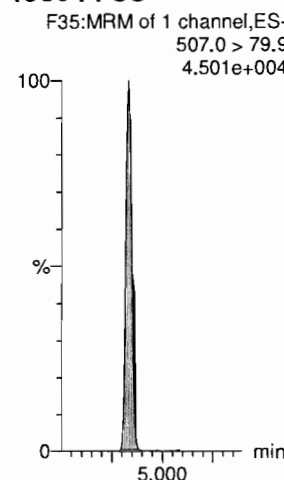
13C2-8:2 FTS



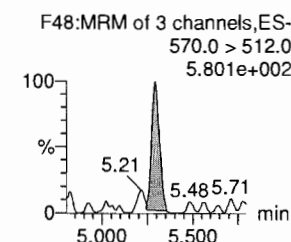
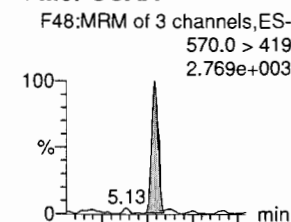
PFNS



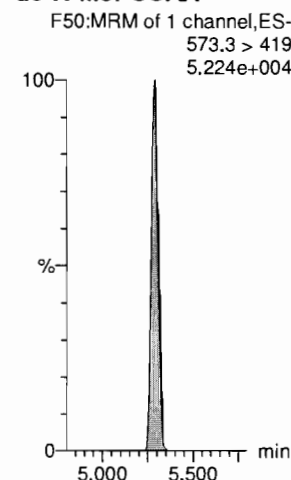
13C8-PFOS



L-MeFOSAA



d3-N-MeFOSAA



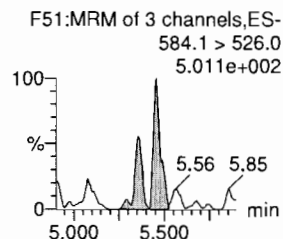
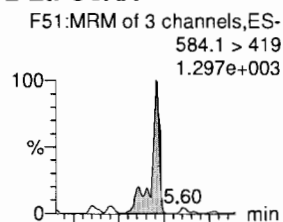
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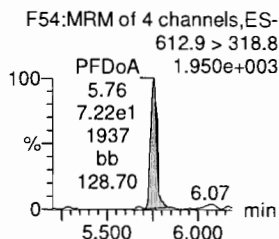
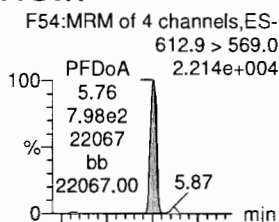
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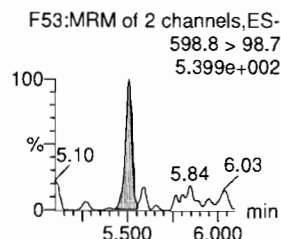
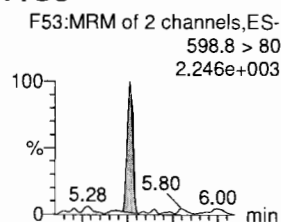
L-EtFOSAA



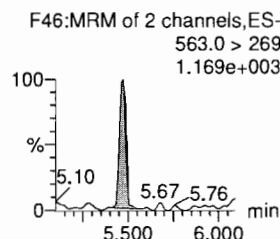
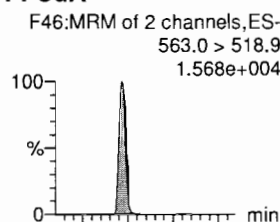
PFDaA



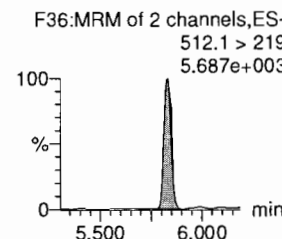
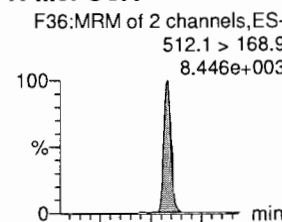
PFDS



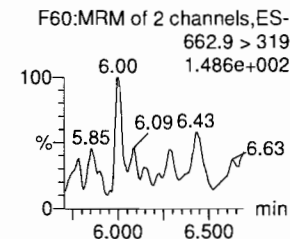
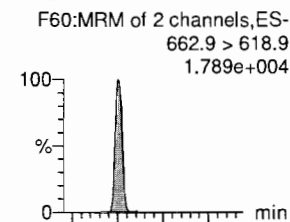
PFUdA



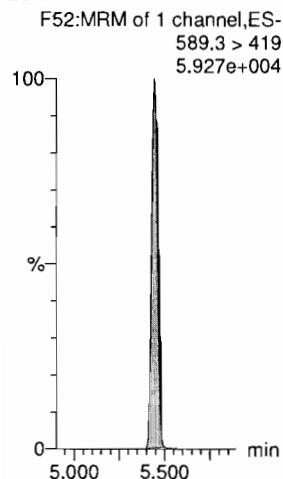
N-MeFOSA



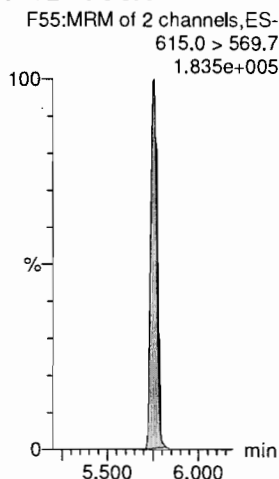
PFTrDA



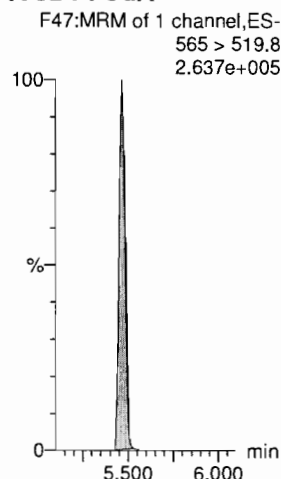
d5-N-EtFOSAA



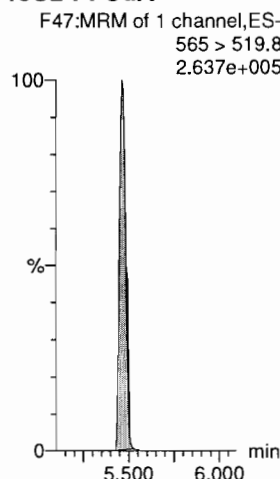
13C2-PFDaA



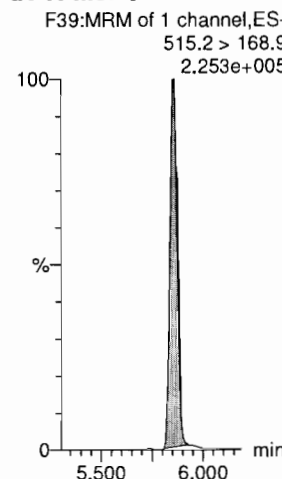
13C2-PFUdA



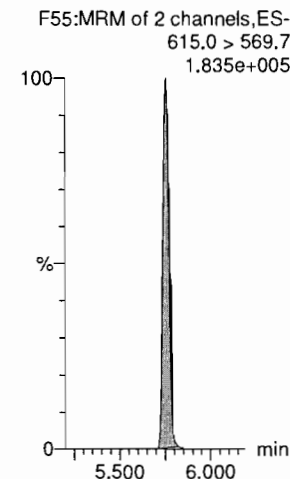
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



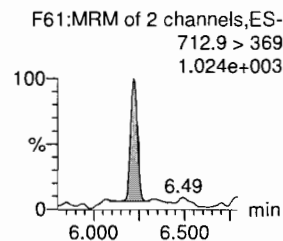
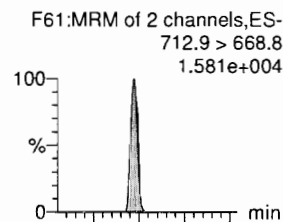
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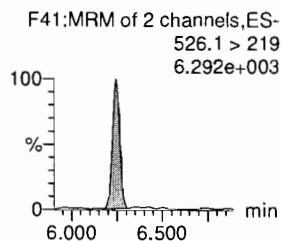
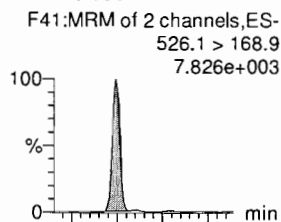
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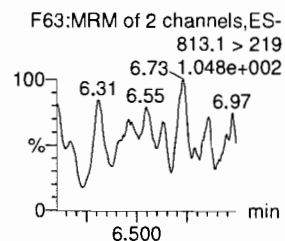
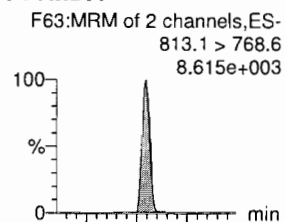
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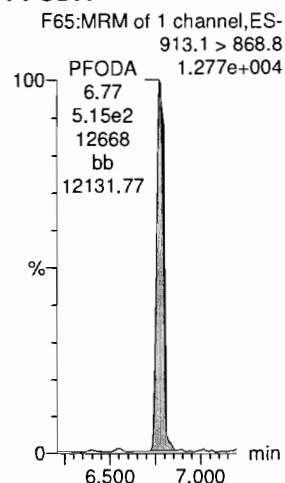
N-EtFOSA



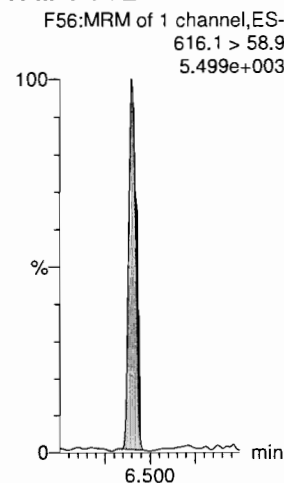
PFHxDA



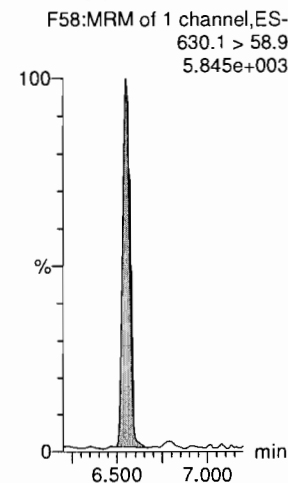
PFODA



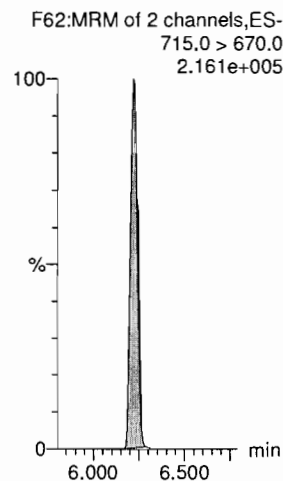
N-MeFOSE



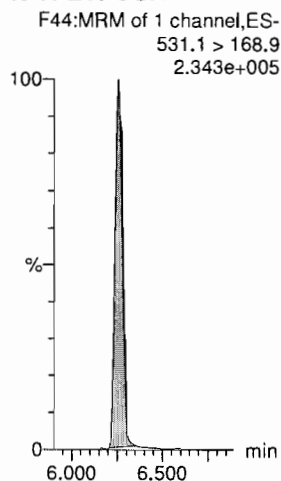
N-EtFOSE



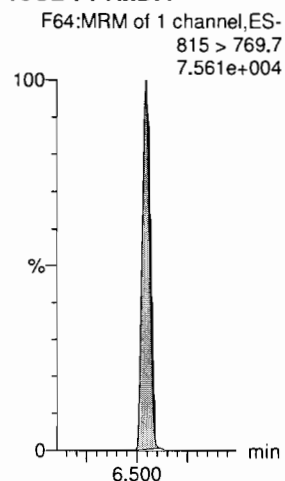
13C2-PFTeDA



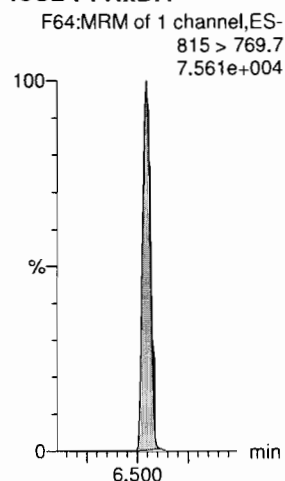
d5-N-ETFOSA



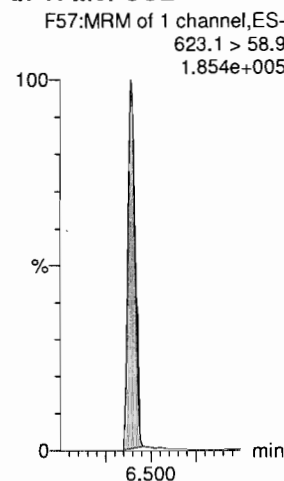
13C2-PFHxDA



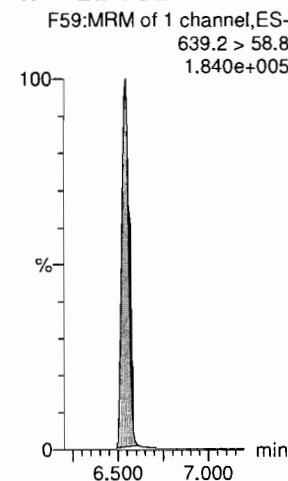
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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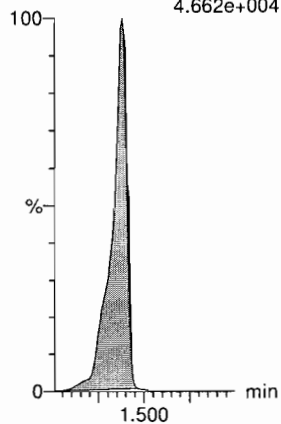
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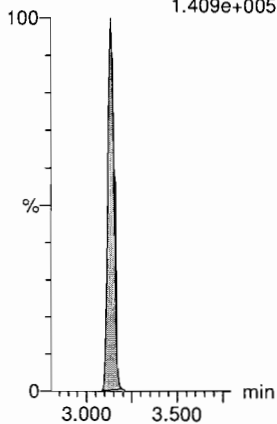
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
4.662e+004



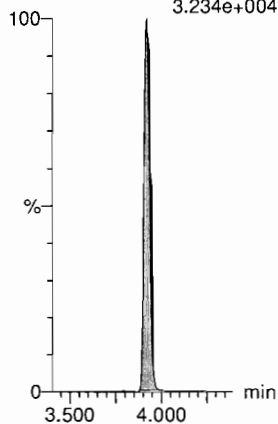
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.409e+005



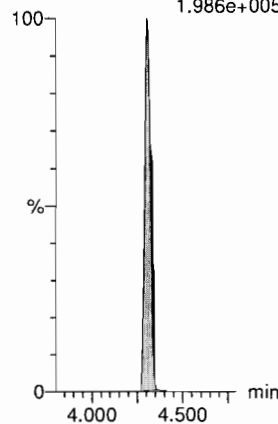
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.234e+004



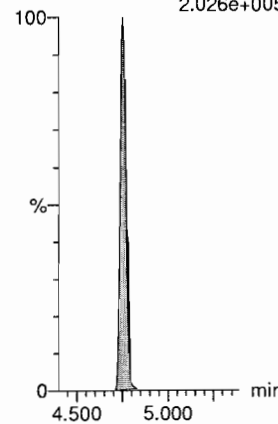
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.986e+005



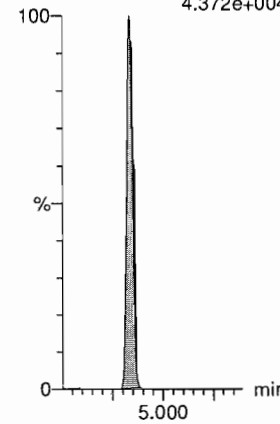
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.026e+005



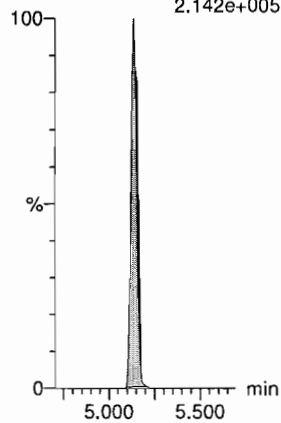
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.372e+004



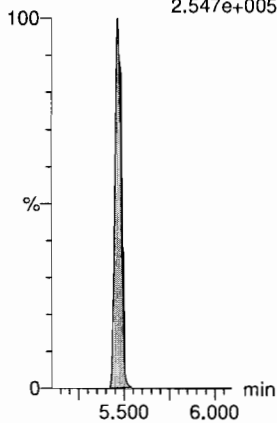
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.142e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.547e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

Last Altered: Friday, July 27, 2018 15:40:12 Pacific Daylight Time

Printed: Friday, July 27, 2018 15:40:50 Pacific Daylight Time

Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

Jan 7/27/18

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	3406.551	3968.578	1.00	1.35	10.730	10.0	100.0	NO		
2	2 PFPeA	263.1 > 218.9	4137.698	5182.937	1.00	2.34	9.979	10.1	100.9	NO		
3	3 PFBS	299.0 > 79.7	951.055	578.649	1.00	2.63	20.545	10.4	103.7	NO	2.727	NO
4	4 4:2 FTS	327.2>307.2	631.902	502.076	1.00	3.05	15.732	9.4	93.9	NO	2.036	NO
5	5 PFHxA	313.0 > 269.0	5105.580	1598.015	1.00	3.15	15.975	10.3	103.4	NO	15.818	NO
6	6 PFPeS	349.1>80.1	800.057	578.649	1.00	3.34	17.283	10.8	108.3	NO	1.724	NO
7	36 13C3-PFBA	216.1 > 171.8	3968.578	4335.030	1.00	1.34	11.443	12.6	100.5	NO		
8	37 13C3-PFPeA	266. > 221.8	5182.937	5171.654	1.00	2.34	12.527	12.8	102.1	NO		
9	38 13C3-PFBS	302. > 98.8	578.649	5171.654	1.00	2.63	1.399	12.3	98.5	NO		
10	39 13C2-4:2 FTS	329.0>80.9	502.076	5171.654	1.00	3.05	1.214	12.1	96.7	NO		
11	40 13C2-PFHxA	315 > 269.8	1598.015	5171.654	1.00	3.15	3.862	5.1	101.4	NO		
12	38 13C3-PFBS	302. > 98.8	578.649	5171.654	1.00	2.63	1.399	12.3	98.5	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	638.038	477.919	1.00	4.26	16.688	9.4	93.8	NO	3.158	NO
15	7 PFHpA	363.0 > 318.9	3913.797	4563.594	1.00	3.78	10.720	9.9	99.4	NO	27.276	YES
16	8 L-PFHxS	398.9 > 79.6	767.900	532.062	1.00	3.93	18.041	10.8	107.6	NO	2.027	NO
17	11 L-PFOA	413 > 368.7	5140.818	5919.994	1.00	4.31	10.855	10.2	102.3	NO	5.566	NO
18	13 PFHpS	449 > 80.0	988.556	1475.088	1.00	4.42	8.377	10.2	101.7	NO	1.816	NO
19	14 PFNA	463.0 > 418.8	5435.200	5624.481	1.00	4.76	12.079	10.3	103.5	NO	5.988	YES
20	43 13C2-6:2 FTS	429.1 > 80.9	477.919	5732.978	1.00	4.26	1.042	11.5	92.3	NO		
21	41 13C4-PFHpA	367.2 > 321.8	4563.594	5171.654	1.00	3.78	11.030	12.8	102.2	NO		
22	42 18O2-PFHxS	403.0 > 102.6	532.062	1091.230	1.00	3.93	6.095	12.4	99.4	NO		
23	44 13C2-PFOA	414.9 > 369.7	5919.994	5732.978	1.00	4.32	12.908	12.7	101.6	NO		
24	47 13C8-PFOS	507.0 > 79.9	1475.088	1222.609	1.00	4.84	15.081	14.4	115.1	NO		
25	45 13C5-PFNA	468.2 > 422.9	5624.481	5945.443	1.00	4.76	11.825	12.1	97.0	NO		
26	-1											
27	15 PFOSA	498.0 > 77.9	1870.918	2550.463	1.00	4.82	9.170	9.5	95.3	NO	63.430	YES
28	16 L-PFOS	499.1 > 79.9	885.693	1475.088	1.00	4.84	7.505	8.6	86.5	NO	1.780	NO
29	18 PFDA	513 > 468.8	5462.166	5736.192	1.00	5.14	11.903	10.0	100.1	NO	5.933	NO
30	19 8:2 FTS	527 > 506.9	803.660	557.738	1.00	5.11	18.012	8.0	79.7	NO	2.096	NO
31	20 PFNS	549.1>80.1	839.101	1475.088	1.00	5.20	7.111	9.5	94.8	NO	2.346	YES
32	21 L-MeFOSAA	570.0 > 419	1820.640	1704.360	1.00	5.29	13.353	10.6	105.7	NO	2.886	NO
33	46 13C8-PFOSA	506.1 > 77.7	2550.463	8346.980	1.00	4.82	3.819	13.2	105.9	NO		
34	47 13C8-PFOS	507.0 > 79.9	1475.088	1222.609	1.00	4.84	15.081	14.4	115.1	NO		

VF 7/27/18

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

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Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	5736.192	5933.291	1.00	5.14	12.085	12.3	98.2	NO		
36	49 13C2-8:2 FTS	529.0 > 80.9	557.738	5171.654	1.00	5.11	1.348	12.7	102.0	NO		
37	47 13C8-PFOS	507.0 > 79.9	1475.088	1222.609	1.00	4.84	15.081	14.4	115.1	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	1704.360	8346.980	1.00	5.29	2.552	11.3	90.3	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	1546.135	2138.056	1.00	5.46	9.039	10.5	105.4	NO	1.273	NO
41	27 PFDoA	612.9 > 569.0	7214.712	8229.425	1.00	5.76	10.959	9.6	95.7	NO	11.990	NO
42	26 PFDS	598.8 > 80	1066.184	7519.506	1.00	5.51	1.772	11.4	114.5	NO	1.885	NO
43	25 PFUdA	563.0 > 518.9	5995.435	7519.506	1.00	5.47	9.966	10.1	101.2	NO	16.240	NO
44	28 N-MeFOSA	512.1 > 168.9	3093.427	9025.063	1.00	5.84	51.414	51.2	102.4	NO	1.411	NO
45	29 PFTrDA	662.9 > 618.9	7383.141	8229.425	1.00	6.01	11.215	9.6	96.3	NO	36.256	NO
46	51 d5-N-EtFOSAA	589.3 > 419	2138.056	8346.980	1.00	5.45	3.202	13.1	104.9	NO		
47	53 13C2-PFDoA	615.0 > 569.7	8229.425	5933.291	1.00	5.76	17.337	13.9	111.6	NO		
48	52 13C2-PFUdA	565 > 519.8	7519.506	8346.980	1.00	5.47	11.261	12.1	96.9	NO		
49	52 13C2-PFUdA	565 > 519.8	7519.506	8346.980	1.00	5.47	11.261	12.1	96.9	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	9025.063	8346.980	1.00	5.86	13.515	161.7	107.8	NO		
51	53 13C2-PFDoA	615.0 > 569.7	8229.425	5933.291	1.00	5.76	17.337	13.9	111.6	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	6143.718	9268.444	1.00	6.22	8.286	10.4	104.1	NO	12.429	NO
54	31 N-EtFOSA	526.1 > 168.9	3141.809	10032.146	1.00	6.25	46.976	51.5	103.1	NO	1.323	NO
55	32 PFHxDA	813.1 > 768.6	3627.583	3067.144	1.00	6.55	5.914	10.0	99.9	NO	55.507	YES
56	33 PFODA	913.1 > 868.8	5754.925	3067.144	1.00	6.77	9.382	8.6	86.2	NO		
57	34 N-MeFOSE	616.1 > 58.9	2585.611	7869.980	1.00	6.40	49.281	50.8	101.6	NO		
58	35 N-EtFOSE	630.1 > 58.9	2891.164	7832.177	1.00	6.55	55.371	50.2	100.3	NO		
59	55 13C2-PFTeDA	715.0 > 670.0	9268.444	8346.980	1.00	6.22	13.880	13.1	104.7	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	10032.146	8346.980	1.00	6.27	15.024	158.6	105.7	NO		
61	57 13C2-PFHxDA	815 > 769.7	3067.144	8346.980	1.00	6.55	4.593	5.1	101.9	NO		
62	57 13C2-PFHxDA	815 > 769.7	3067.144	8346.980	1.00	6.55	4.593	5.1	101.9	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	7869.980	8346.980	1.00	6.39	11.786	152.9	102.0	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	7832.177	8346.980	1.00	6.54	11.729	145.5	97.0	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	4335.030	4335.030	1.00	1.35	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	5171.654	5171.654	1.00	3.14	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1091.230	1091.230	1.00	3.93	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

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Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	5732.978	5732.978	1.00	4.32	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	5945.443	5945.443	1.00	4.76	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	1222.609	1222.609	1.00	4.84	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	5933.291	5933.291	1.00	5.14	12.500	12.5	100.0	NO		
73	67 13C7-PFUDa	570.1 > 524.8	8346.980	8346.980	1.00	5.47	12.500	12.5	100.0	NO		

Dataset: Untitled

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 27 Jul 2018 15:04:28
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
1	1 180726M1_1	IPA	26-Jul-18	17:29:40
2	2 180726M1_2	ST180726M1-1 PFC CS-2 18G1910	26-Jul-18	17:40:07
3	3 180726M1_3	ST180726M1-2 PFC CS-1 18G1911	26-Jul-18	17:50:37
4	4 180726M1_4	ST180726M1-3 PFC CS0 18G1912	26-Jul-18	18:01:07
5	5 180726M1_5	ST180726M1-4 PFC CS1 18G1913	26-Jul-18	18:11:32
6	6 180726M1_6	ST180726M1-5 PFC CS2 18G1914	26-Jul-18	18:22:02
7	7 180726M1_7	ST180726M1-6 PFC CS3 18G1915	26-Jul-18	18:32:27
8	8 180726M1_8	ST180726M1-7 PFC CS4 18G1916	26-Jul-18	18:42:57
9	9 180726M1_9	ST180726M1-8 PFC CS5 18G1917	26-Jul-18	18:53:21
10	10 180726M1_10	ST180726M1-9 PFC CS6 18G1918	26-Jul-18	19:03:52
11	11 180726M1_11	ST180726M1-10 PFC CS7 18G1919	26-Jul-18	19:14:17
12	12 180726M1_12	IPA	26-Jul-18	19:24:48
13	13 180726M1_13	ICV180726M1-1 PFC 537 ICV 18G1920	26-Jul-18	19:35:18
14	14 180726M1_14	IPA	26-Jul-18	19:45:44
15	15 180726M1_15	B8F0245-BS1 OPR 0.25	26-Jul-18	19:56:16
16	16 180726M1_16	B8G0070-BS1 OPR 0.125	26-Jul-18	20:06:44
17	17 180726M1_17	1801766-05 DUP01-20180712 0.24862	26-Jul-18	20:17:10
18	18 180726M1_18	1801766-06 IS720W03S-20180712 0.2...	26-Jul-18	20:27:40
19	19 180726M1_19	1801766-07 I012MW13S-20180712 0.2...	26-Jul-18	20:38:05
20	20 180726M1_20	1801812-02 REEPDW1209 0.11614	26-Jul-18	20:48:35
21	21 180726M1_21	1801812-03 REEPDW1210 0.12112	26-Jul-18	20:58:59
22	22 180726M1_22	1801812-05 REEPDW1211 0.11713	26-Jul-18	21:11:36
23	23 180726M1_23	B8G0168-BS1 OPR 0.125	26-Jul-18	21:22:01
24	24 180726M1_24	B8G0168-MS1 Matrix Spike 0.1215	26-Jul-18	21:32:31
25	25 180726M1_25	B8G0168-MSD1 Matrix Spike Dup 0.121...	26-Jul-18	21:42:56
26	26 180726M1_26	B8G0168-BLK1 Method Blank 0.125	26-Jul-18	21:53:26
27	27 180726M1_27	1801866-10 WI-A06-6-S-42-0718 0.121...	26-Jul-18	22:03:52
28	28 180726M1_28	1801866-11 WI-A06-6-S-42P-0718 0.11...	26-Jul-18	22:14:22
29	29 180726M1_29	1801866-14 WI-A06-6-S-43-0718 0.119...	26-Jul-18	22:24:47
30	30 180726M1_30	B8G0166-BS1 OPR 0.125	26-Jul-18	22:35:18
31	31 180726M1_31	B8G0166-MS1 Matrix Spike 0.11912	26-Jul-18	22:45:48
32	32 180726M1_32	B8G0166-MSD1 Matrix Spike Dup 0.1183	26-Jul-18	22:56:13

Dataset: Untitled

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Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
33	33 180726M1_33	B8G0166-BLK1 Method Blank 0.125	26-Jul-18	23:06:43
34	34 180726M1_34	1801866-01 WI-A06-FB01-071718 0.11...	26-Jul-18	23:17:08
35	35 180726M1_35	1801866-02 WI-A06-S-11-0718 0.12042	26-Jul-18	23:27:38
36	36 180726M1_36	IPA	26-Jul-18	23:38:04
37	37 180726M1_37	ST180726M1-11 PFC CS3 18G1915	26-Jul-18	23:48:34
38	38 180726M1_38	1801866-03 WI-A06-6-S-40-0718 0.1204	26-Jul-18	23:58:59
39	39 180726M1_39	1801866-04 WI-A06-FB02-071818 0.12...	27-Jul-18	00:09:30
40	40 180726M1_40	1801866-05 WI-A06-EB01-071718 0.11...	27-Jul-18	00:20:00
41	41 180726M1_41	1801866-06 WI-A06-EB02-071718 0.12...	27-Jul-18	00:30:25
42	42 180726M1_42	1801866-07 WI-A06-EB03-071718 0.12...	27-Jul-18	00:40:55
43	43 180726M1_43	1801866-08 WI-A06-EB04-071818 0.12...	27-Jul-18	00:51:21
44	44 180726M1_44	1801866-09 WI-A06-6-S-41-0718 0.121...	27-Jul-18	01:01:50
45	45 180726M1_45	1801866-10 WI-A06-6-S-42-0718 0.121...	27-Jul-18	01:12:16
46	46 180726M1_46	1801866-11 WI-A06-6-S-42P-0718 0.11...	27-Jul-18	01:22:47
47	47 180726M1_47	1801866-12 WI-A06-FB03-071918 0.12...	27-Jul-18	01:33:17
48	48 180726M1_48	1801866-13 WI-A06-EB05-071918 0.12...	27-Jul-18	01:43:42
49	49 180726M1_49	1801866-14 WI-A06-6-S-43-0718 0.118...	27-Jul-18	01:54:12
50	50 180726M1_50	B8G0115-BS1 OPR 0.125	27-Jul-18	02:04:38
51	51 180726M1_51	B8G0115-BLK1 Method Blank 0.125	27-Jul-18	02:15:08
52	52 180726M1_52	1801671-06 On-Site Water Supply 0.114...	27-Jul-18	02:25:39
53	53 180726M1_53	B8G0068-BS1 OPR 0.25	27-Jul-18	02:36:03
54	54 180726M1_54	B8G0068-BLK1 Method Blank 0.25	27-Jul-18	02:46:33
55	55 180726M1_55	1801570-01 SW CLEAR LAKE 0.25704	27-Jul-18	02:56:58
56	56 180726M1_56	1801570-02 SW RIVER LAKE 0.25969	27-Jul-18	03:07:29
57	57 180726M1_57	1801570-03 MW-88 0.26886	27-Jul-18	03:17:53
58	58 180726M1_58	1801570-04 MW-35 0.26473	27-Jul-18	03:28:24
59	59 180726M1_59	IPA	27-Jul-18	03:38:50
60	60 180726M1_60	ST180726M1-12 PFC CS3 18G1915	27-Jul-18	03:49:20
61	61 180726M1_61	1801570-05 MW-73 0.26325	27-Jul-18	03:59:50
62	62 180726M1_62	1801570-06 DUP-2 0.26549	27-Jul-18	04:10:15
63	63 180726M1_63	1801570-07 FB-2 0.2635	27-Jul-18	04:20:45
64	64 180726M1_64	1801570-08 EQ BLANK-2 0.26237	27-Jul-18	04:31:11
65	65 180726M1_65	1801570-09 MW72R 0.26142	27-Jul-18	04:41:41
66	66 180726M1_66	1801570-10 MW-86 0.26406	27-Jul-18	04:52:05
67	67 180726M1_67	1801570-11 SW LONESOME LAKE 0.2...	27-Jul-18	05:02:36
68	68 180726M1_68	1801570-12 SW MARSH LAKE 0.26	27-Jul-18	05:13:02

Dataset: Untitled

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Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180726M1_69	1801570-13 SW CHUBB CREEK 0.256...	27-Jul-18	05:23:32
70	70 180726M1_70	1801570-14 MW 78R 0.26505	27-Jul-18	05:33:56
71	71 180726M1_71	1801570-15 Geosub Blank 0.26035	27-Jul-18	05:44:27
72	72 180726M1_72	B8G0073-BS1 OPR 0.25	27-Jul-18	05:54:52
73	73 180726M1_73	B8G0073-MS1 Matrix Spike 0.25167	27-Jul-18	06:05:22
74	74 180726M1_74	B8G0073-MSD1 Matrix Spike Dup 0.248...	27-Jul-18	06:15:48
75	75 180726M1_75	B8G0073-BLK1 Method Blank 0.25	27-Jul-18	06:26:18
76	76 180726M1_76	1801578-01 WT-26 0.25546	27-Jul-18	06:36:49
77	77 180726M1_77	1801578-02 PZ-26A 0.25242	27-Jul-18	06:47:13
78	78 180726M1_78	IPA	27-Jul-18	06:57:43
79	79 180726M1_79	ST180726M1-13 PFC CS3 18G1915	27-Jul-18	07:08:09
80	80 180726M1_80	1801578-03 WP-06R 0.2564	27-Jul-18	07:18:39
81	81 180726M1_81	1801578-04 WT-31 0.2499	27-Jul-18	07:29:04
82	82 180726M1_82	1801578-05 PZ-31A 0.25234	27-Jul-18	07:39:34
83	83 180726M1_83	1801578-06 DUP 0.25265	27-Jul-18	07:50:00
84	84 180726M1_84	1801578-07 Field Blank 0.2534	27-Jul-18	08:00:30
85	85 180726M1_85	1801578-08 Equipment Blank 0.25517	27-Jul-18	08:10:54
86	86 180726M1_86	B8G0097-BS1 OPR 1	27-Jul-18	08:21:24
87	87 180726M1_87	B8G0097-BLK1 Method Blank 1	27-Jul-18	08:31:55
88	88 180726M1_88	1801621-01 SB-1 5-6 ft 1.03	27-Jul-18	08:42:20
89	89 180726M1_89	1801621-02 SB-15 1.09	27-Jul-18	08:52:51
90	90 180726M1_90	1801621-03 SB-3 2.5-3 ft 1.08	27-Jul-18	09:03:21
91	91 180726M1_91	1801621-04 SB-2 2-3 ft 1.06	27-Jul-18	09:13:46
92	92 180726M1_92	1801621-05 SB-8 1.11	27-Jul-18	09:24:08
93	93 180726M1_93	1801621-06 SB-13 1.1	27-Jul-18	09:34:38
94	94 180726M1_94	IPA	27-Jul-18	09:45:03
95	95 180726M1_95	ST180726M1-14 PFC CS3 18G1915	27-Jul-18	09:55:33
96	96 180726M1_96	1801621-07 SB-2 5-6 ft 1.03	27-Jul-18	10:05:58
97	97 180726M1_97	1801621-08 SB-7 4.5-5 ft 1.04	27-Jul-18	10:16:28
98	98 180726M1_98	1801621-09 SB-14 1.01	27-Jul-18	10:26:53
99	99 180726M1_99	1801621-10 SB-5 1.01	27-Jul-18	10:37:24
100	1... 180726M1_100	1801622-01 SB-7 2.5-3 ft 1.14	27-Jul-18	10:47:54
101	1... 180726M1_101	1801622-02 SB-9 1.03	27-Jul-18	10:58:18
102	1... 180726M1_102	1801622-03 SB-10 1.06	27-Jul-18	11:08:48
103	1... 180726M1_103	1801622-04 SB-11 1.05	27-Jul-18	11:19:12
104	1... 180726M1_104	1801622-05 SB-12 1.1	27-Jul-18	11:36:48

Dataset: Untitled

Last Altered: Friday, July 27, 2018 15:15:57 Pacific Daylight Time
Printed: Friday, July 27, 2018 15:16:11 Pacific Daylight Time

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
105	1... 180726M1_105	1801622-06 SED 1 1.04	27-Jul-18	11:47:25
106	1... 180726M1_106	IPA	27-Jul-18	11:57:52
107	1... 180726M1_107	ST180726M1-15 PFC CS3 18G1915	27-Jul-18	12:08:18
108	1... 180726M1_108	ST180726M1-16 PFC CS0 18G1912	27-Jul-18	12:33:38
109	1... 180726M1_109	1801622-07 SED 5 1.05	27-Jul-18	12:44:07
110	1... 180726M1_110	1801656-01 TA-SB-AOC-H-03 (2-2.5)-E...	27-Jul-18	12:54:31
111	1... 180726M1_111	B8G0128-BLK1 Method Blank 0.005	27-Jul-18	13:05:02
112	1... 180726M1_112	B8G0128-BS1 OPR 0.005	27-Jul-18	13:15:32
113	1... 180726M1_113	1801716-01 Milk 0.005	27-Jul-18	13:25:57
114	1... 180726M1_114	1801623-03RE1@10X SP-SouthINF-20...	27-Jul-18	13:36:27
115	1... 180726M1_115	1801620-05@10X SED 2 1.12	27-Jul-18	13:46:52
116	1... 180726M1_116	1801620-06 SED 3 1.1	27-Jul-18	13:57:22
117	1... 180726M1_117	B8G0045-BS1 OPR 1	27-Jul-18	14:07:52
118	1... 180726M1_118	IPA	27-Jul-18	14:18:17
119	1... 180726M1_119	B8G0166-BS1 OPR 0.125	27-Jul-18	14:37:51
120	1... 180726M1_120	1801866-07 WI-A06-EB03-071718 0.12...	27-Jul-18	14:48:19
121	1... 180726M1_121	1801866-14 WI-A06-6-S-43-0718 0.118...	27-Jul-18	14:58:44
122	1... 180726M1_122	ST180726M1-17 PFC CS3 18G1915	27-Jul-18	15:09:15

Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

Last Altered: Friday, July 27, 2018 15:40:12 Pacific Daylight Time

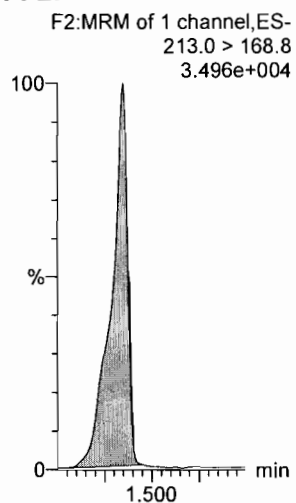
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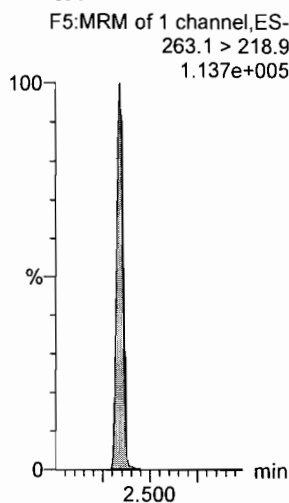
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Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

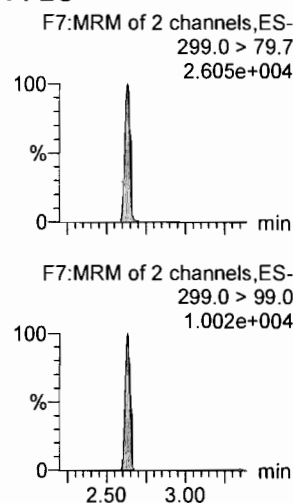
PFBA



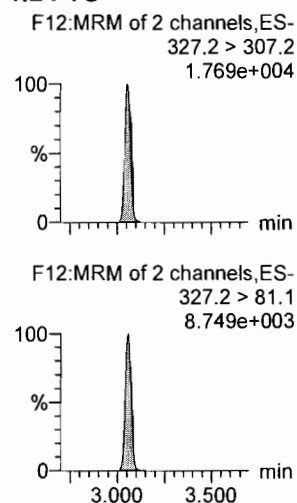
PFPeA



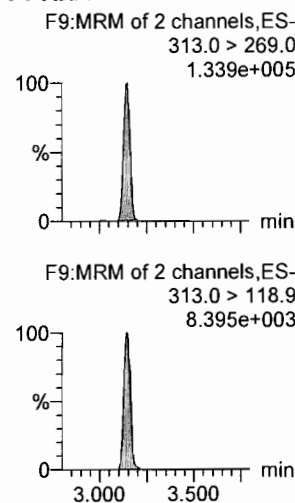
PFBS



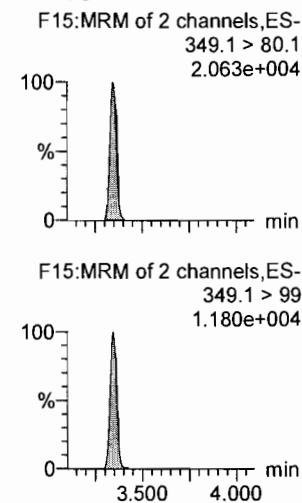
4:2 FTS



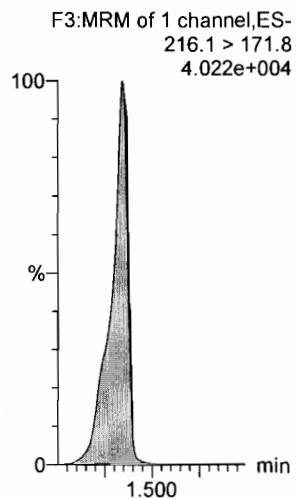
PFHxA



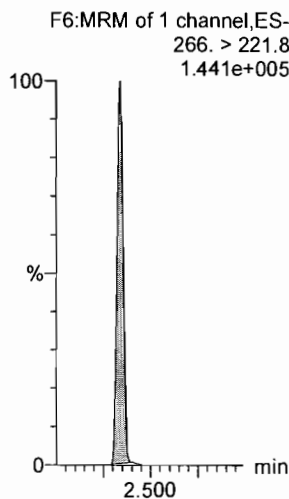
PFPeS



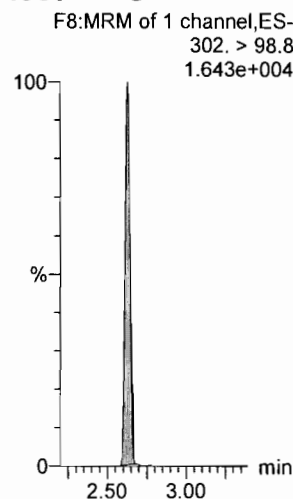
13C3-PFBA



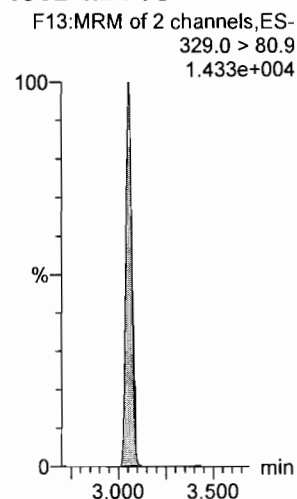
13C3-PFPeA



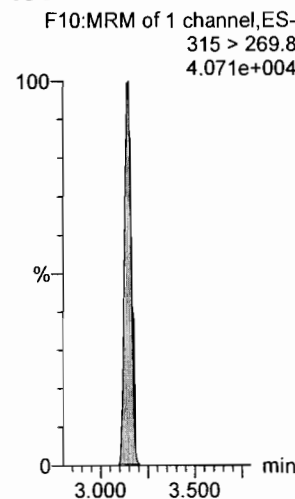
13C3-PFBS



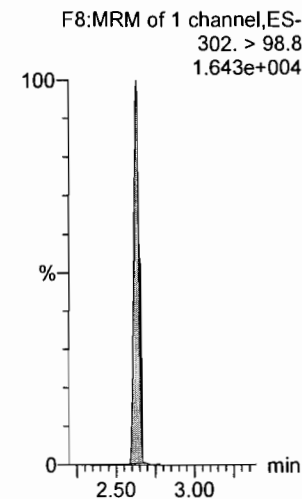
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

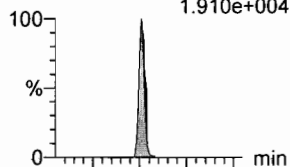
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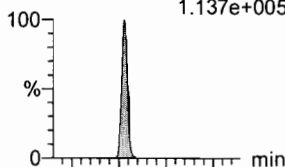
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.910e+004



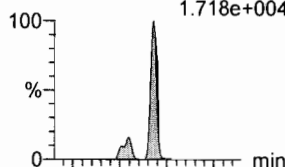
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.137e+005



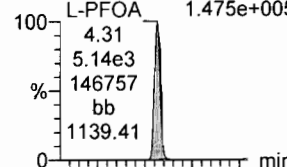
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.718e+004



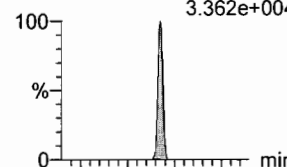
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.475e+005



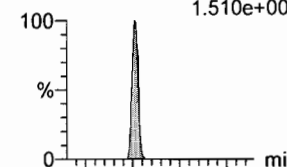
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
3.362e+004

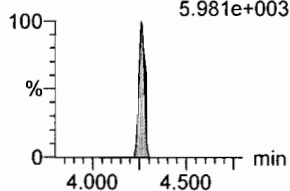


PFNA

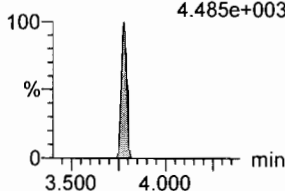
F27:MRM of 2 channels,ES-
463.0 > 418.8
1.510e+005



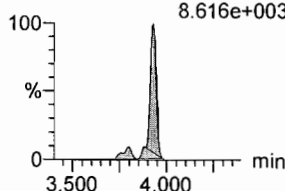
F24:MRM of 2 channels,ES-
427.1 > 80
5.981e+003



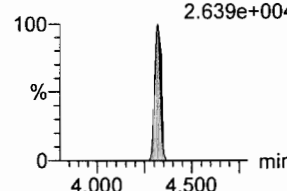
F16:MRM of 2 channels,ES-
363.0 > 169.0
4.485e+003



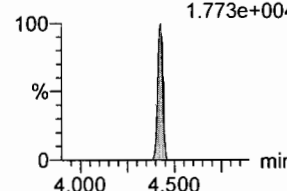
F18:MRM of 2 channels,ES-
398.9 > 99.0
8.616e+003



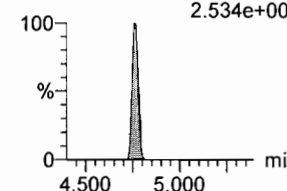
F21:MRM of 2 channels,ES-
413 > 169
2.639e+004



F26:MRM of 2 channels,ES-
449 > 98.7
1.773e+004

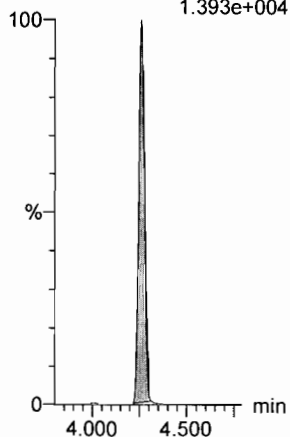


F27:MRM of 2 channels,ES-
463.0 > 219.0
2.534e+004



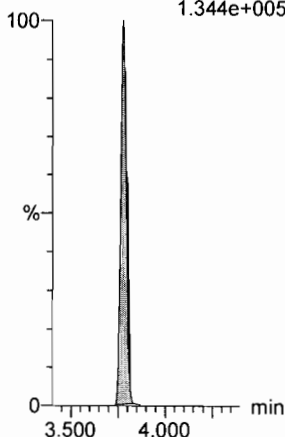
13C2-6:2 FTS

F25:MRM of 2 channels,ES-
429.1 > 80.9
1.393e+004



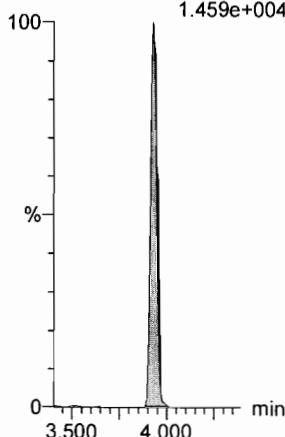
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.344e+005



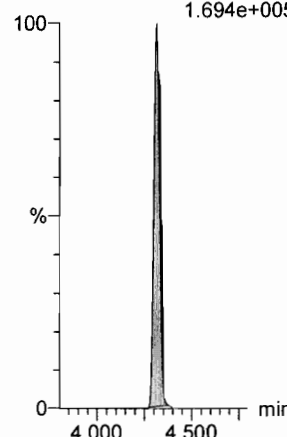
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.459e+004



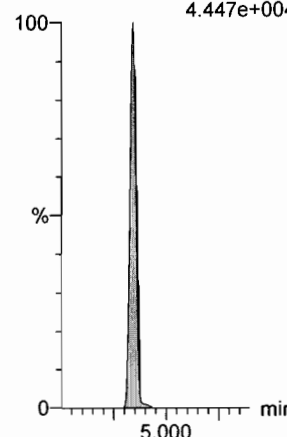
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.694e+005



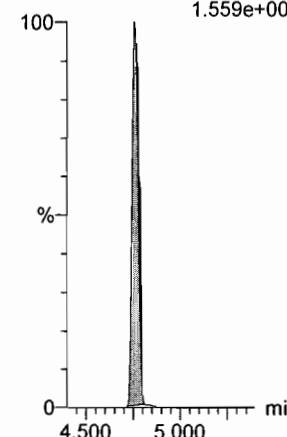
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.447e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.559e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

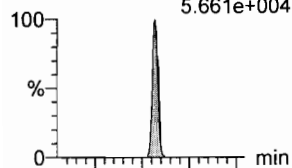
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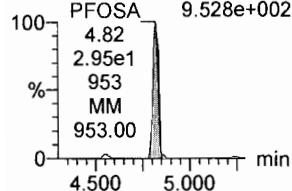
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PFOSA

F30:MRM of 3 channels,ES-
498.0 > 77.9
5.661e+004

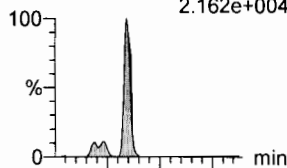


F30:MRM of 3 channels,ES-
498.0 > 169.0
9.528e+002

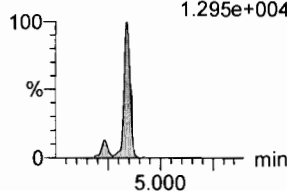


L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
2.162e+004

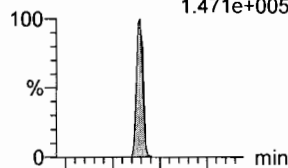


F32:MRM of 2 channels,ES-
499.1 > 98.9
1.295e+004

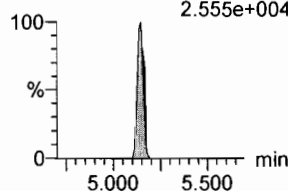


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
1.471e+005

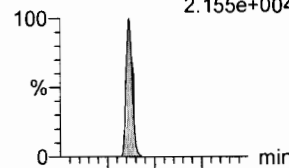


F37:MRM of 2 channels,ES-
513 > 219
2.555e+004

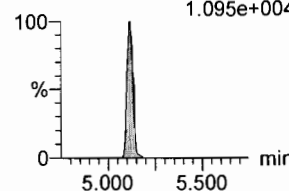


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
2.155e+004

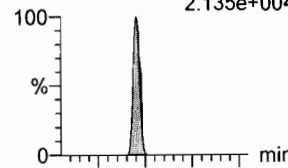


F42:MRM of 2 channels,ES-
527 > 80
1.095e+004

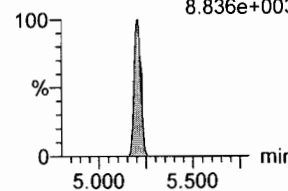


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
2.135e+004

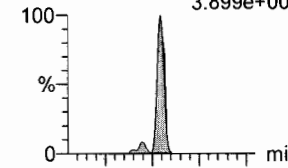


F45:MRM of 2 channels,ES-
549.1 > 99.1
8.836e+003

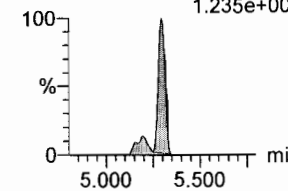


L-MeFOSAA

F48:MRM of 3 channels,ES-
570.0 > 419
3.899e+004

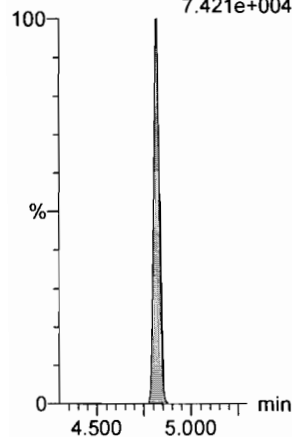


F48:MRM of 3 channels,ES-
570.0 > 512.0
1.235e+004



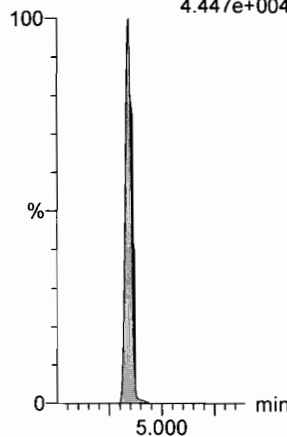
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
7.421e+004



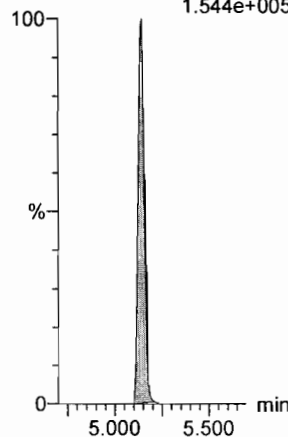
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.447e+004



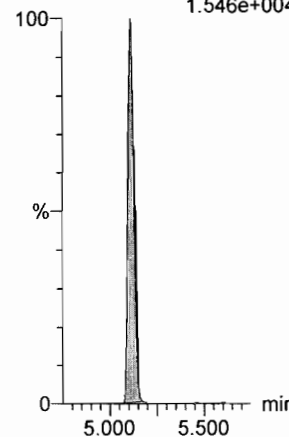
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
1.544e+005



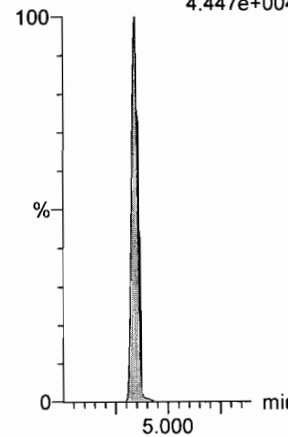
13C2-8:2 FTS

F43:MRM of 2 channels,ES-
529.0 > 80.9
1.546e+004



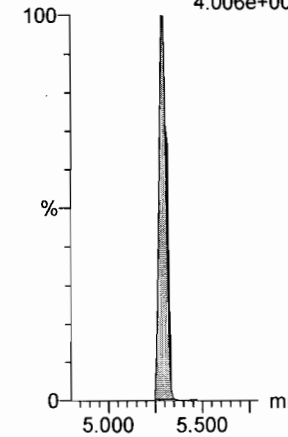
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.447e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
4.006e+004

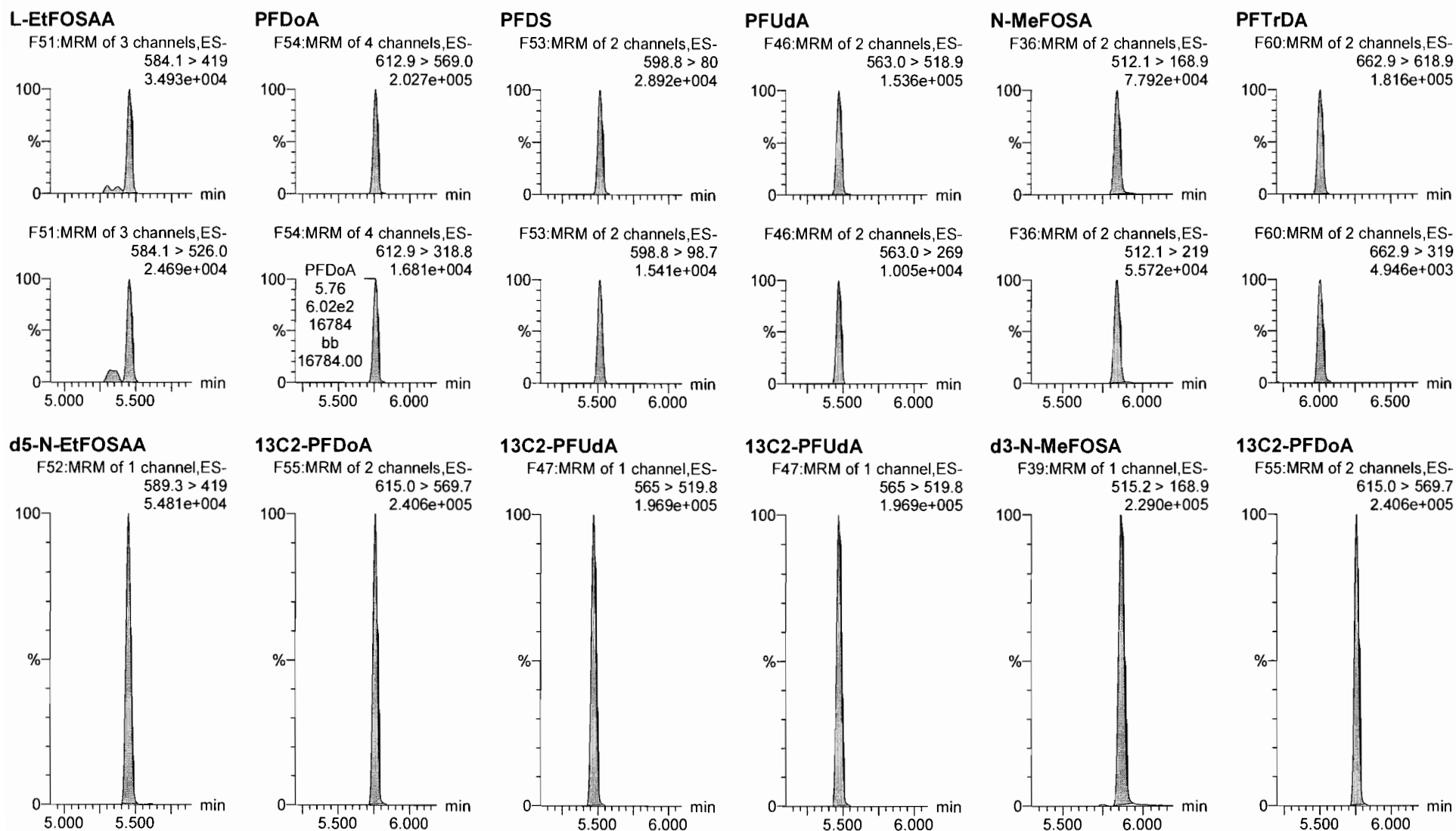


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Printed: Friday, July 27, 2018 15:40:50 Pacific Daylight Time

Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915



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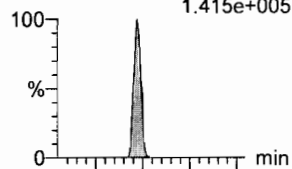
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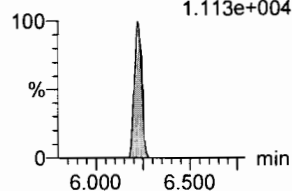
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PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.415e+005

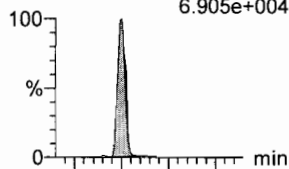


F61:MRM of 2 channels,ES-
712.9 > 369
1.113e+004

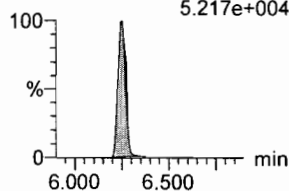


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
6.905e+004

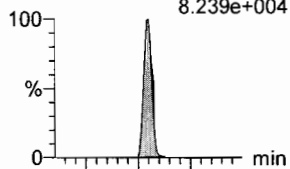


F41:MRM of 2 channels,ES-
526.1 > 219
5.217e+004

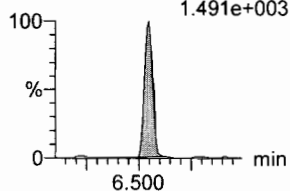


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
8.239e+004

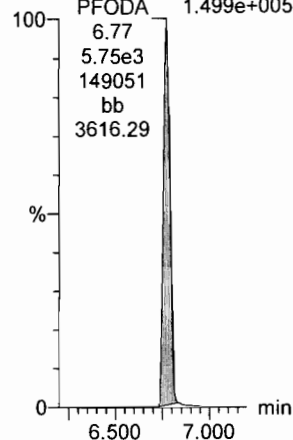


F63:MRM of 2 channels,ES-
813.1 > 219
1.491e+003



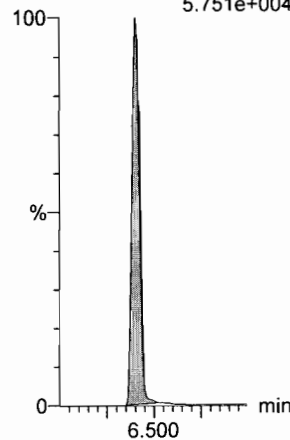
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.499e+005



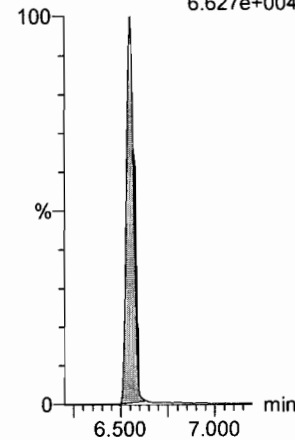
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
5.751e+004



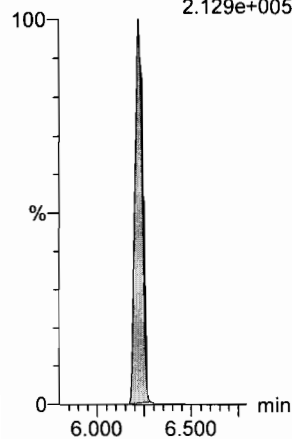
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
6.627e+004



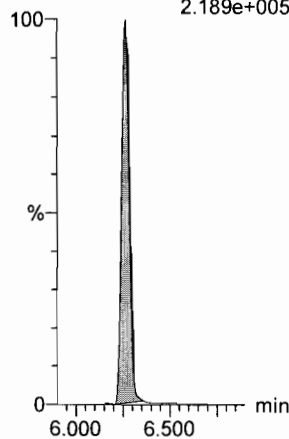
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
2.129e+005



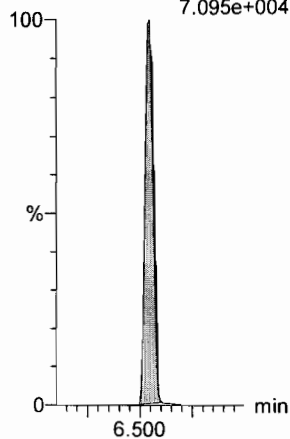
d5-N-ETFOSE

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.189e+005



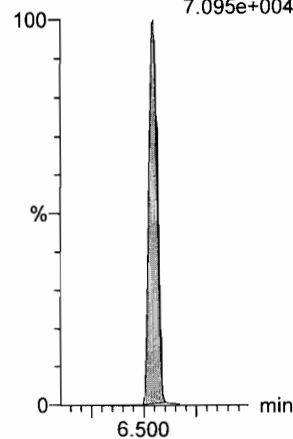
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
7.095e+004



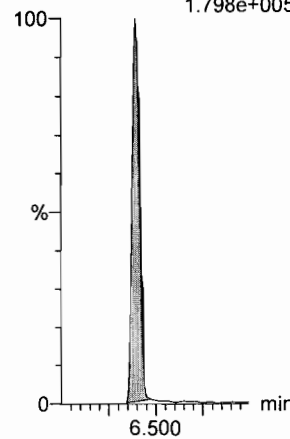
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
7.095e+004



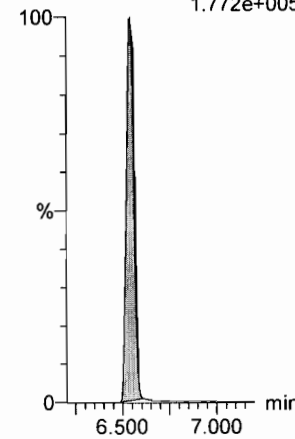
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.798e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
1.772e+005



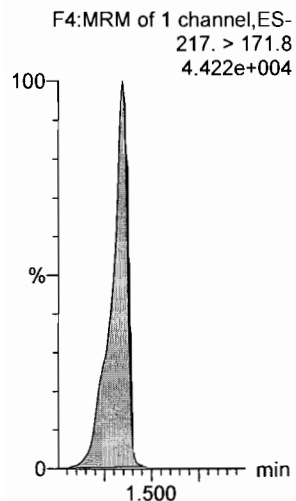
Dataset: Z:\Projects\PFAS.PRO\Results\180726M1\180726M1-122.qld

Last Altered: Friday, July 27, 2018 15:40:12 Pacific Daylight Time

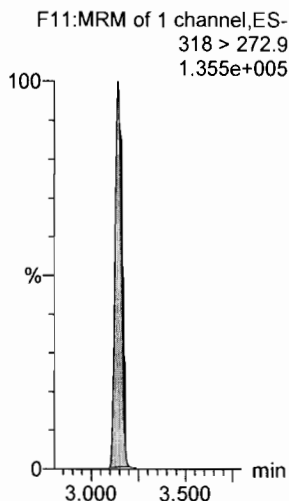
Printed: Friday, July 27, 2018 15:40:50 Pacific Daylight Time

Name: 180726M1_122, Date: 27-Jul-2018, Time: 15:09:15, ID: ST180726M1-17 PFC CS3 18G1915, Description: PFC CS3 18G1915

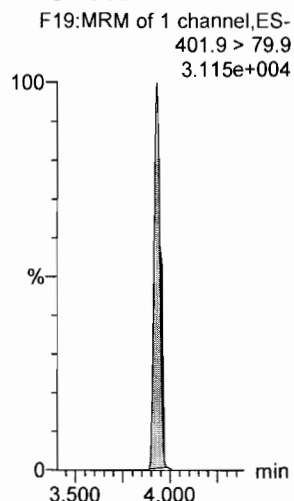
13C4-PFBA



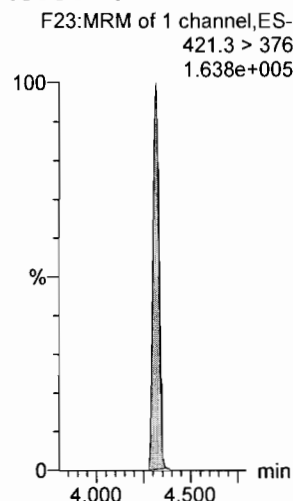
13C5-PFHxA



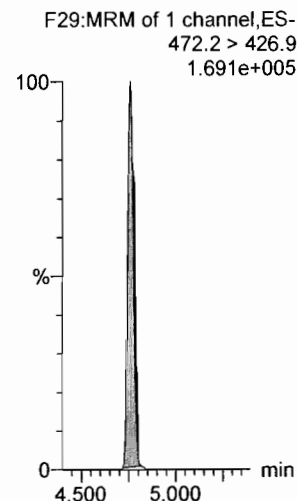
13C3-PFHxS



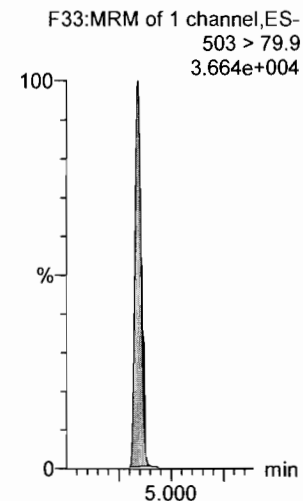
13C8-PFOA



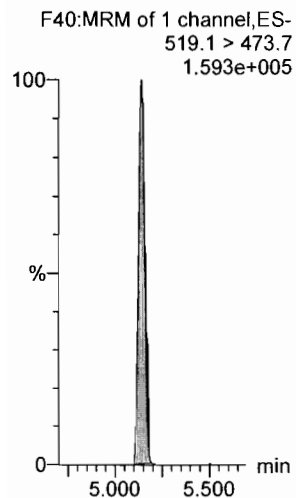
13C9-PFNA



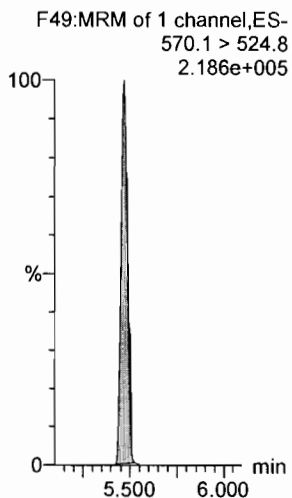
13C4-PFOS



13C6-PFDA



13C7-PFUDa



INITIAL CALIBRATION (ICAL)
INCLUDING ASSOCIATED
INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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high pt
low pt
4:2 = 100
6:2 = 100
8:2 = 50
PFNS ↓
PFHS = 0.5
0:2 ↓
PFDS = 1.0

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 22 Jul 2018 11:41:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:34:45

Compound name: PFBA

Correlation coefficient: $r = 0.999969$, $r^2 = 0.999938$

Calibration curve: $1.16573 * x + -0.0404481$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

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	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180722M1_2	Standard	0.250	1.16	79.574	4072.194	0.244	0.2	-2.3	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	1.17	187.308	4265.620	0.549	0.5	1.1	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	1.22	384.179	4197.933	1.144	1.0	1.6	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	1.15	717.763	4211.982	2.130	1.9	-6.9	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	1.16	1841.257	4170.574	5.519	4.8	-4.6	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	1.16	4495.310	4947.503	11.358	9.8	-2.2	NO	1.000	NO	MM
7	7 180722M1_8	Standard	50.000	1.16	21237.621	4626.738	57.377	49.3	-1.5	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	1.16	42767.656	4539.862	117.756	101.0	1.0	NO	1.000	NO	MM
9	9 180722M1_10	Standard	250.000	1.16	102353.836	4403.675	290.535	249.3	-0.3	NO	1.000	NO	MM
10	10 180722M1_11	Standard	500.000	1.15	203960.422	4365.613	583.997	501.0	0.2	NO	1.000	NO	MM

Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999975$

Calibration curve: $-5.48732e-006 * x^2 + 0.9841 * x + -0.0227769$

Response type: Internal Std (Ref 37), 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 180722M1_2	Standard	0.250	2.16	131.210	6674.511	0.246	0.3	9.1	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	2.16	236.885	6138.622	0.482	0.5	2.7	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	2.17	504.391	6677.303	0.944	1.0	-1.7	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	2.16	955.325	6516.744	1.832	1.9	-5.7	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	2.16	2424.548	6376.599	4.753	4.9	-2.9	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	2.16	5527.728	7157.246	9.654	9.8	-1.7	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	2.16	24364.117	6219.928	48.964	49.8	-0.4	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	2.16	48433.008	6113.788	99.024	100.7	0.7	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	2.16	112822.922	5739.490	245.716	250.1	0.0	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	2.16	204748.797	5217.706	490.514	499.9	-0.0	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999724$

Calibration curve: $0.00011696 * x^2 + 2.01281 * x + -0.138219$

Response type: Internal Std (Ref 38), 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 180722M1_2	Standard	0.250	2.47	21.988	756.705	0.363	0.2	-0.4	NO	1.000	NO	MM
2	2 180722M1_3	Standard	0.500	2.47	64.693	749.326	1.079	0.6	21.0	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	2.46	108.921	813.938	1.673	0.9	-10.0	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	2.46	236.658	833.441	3.549	1.8	-8.4	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	2.46	606.525	799.496	9.483	4.8	-4.4	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	2.46	1433.995	870.317	20.596	10.3	2.9	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	2.46	6061.090	743.186	101.944	50.6	1.1	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	2.46	11998.410	766.278	195.725	96.8	-3.2	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	2.46	28543.859	687.181	519.220	254.3	1.7	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	2.46	51033.656	617.973	1032.279	498.5	-0.3	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999017$

Calibration curve: $-0.00268026 * x^2 + 1.10306 * x + -0.0375565$

Response type: Internal Std (Ref 39), 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 180722M1_2	Standard	0.250	2.90	21.491	1082.047	0.248	0.3	3.7	NO	0.999	NO	MM
2	2 180722M1_3	Standard	0.500	2.89	30.445	1040.983	0.366	0.4	-26.8	NO	0.999	NO	MM
3	3 180722M1_4	Standard	1.000	2.88	101.656	1096.581	1.159	1.1	8.7	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	2.89	199.024	1055.097	2.358	2.2	9.2	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	2.89	485.596	1041.055	5.831	5.4	7.8	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	2.89	1045.804	1232.589	10.606	9.9	-1.1	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	2.89	4991.852	1313.012	47.523	48.9	-2.1	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	2.89	10094.592	1503.998	83.898	100.8	0.8	NO	0.999	NO	bb
9	9 180722M1_10	Standard	250.000	2.89	24613.801	2184.501	140.843			NO	0.999	YES	bbXI
10	10 180722M1_11	Standard	500.000	2.89	41867.629	2724.052	192.120			NO	0.999	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999921$

Calibration curve: $-0.000257964 * x^2 + 1.73907 * x + -0.00285664$

Response type: Internal Std (Ref 40), 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 180722M1_2	Standard	0.250	2.97	198.188	1877.907	0.528	0.3	22.0	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	2.98	246.854	1828.144	0.675	0.4	-22.0	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	2.97	666.384	1929.477	1.727	1.0	-0.5	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	2.97	1220.955	1777.028	3.435	2.0	-1.1	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	2.98	3222.139	1848.084	8.718	5.0	0.4	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	2.98	7110.861	2050.987	17.335	10.0	-0.2	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	2.98	31269.959	1780.468	87.814	50.9	1.8	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	2.98	61389.656	1812.053	169.393	98.9	-1.1	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	2.98	142664.234	1701.238	419.295	250.4	0.2	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	2.98	268427.375	1667.353	804.951	499.9	-0.0	NO	1.000	NO	bb

Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999871$

Calibration curve: $0.000160381 * x^2 + 1.69863 * x + -0.0653169$

Response type: Internal Std (Ref 38), 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 180722M1_2	Standard	0.250	3.18	22.838	756.705	0.377	0.3	4.2	NO	1.000	NO	MM
2	2 180722M1_3	Standard	0.500	3.18	57.709	749.326	0.963	0.6	21.0	NO	1.000	NO	MM
3	3 180722M1_4	Standard	1.000	3.18	90.558	813.938	1.391	0.9	-14.3	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	3.18	184.490	833.441	2.767	1.7	-16.6	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	3.18	572.432	799.496	8.950	5.3	6.1	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	3.18	1177.891	870.317	16.918	10.0	-0.1	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	3.18	5025.463	743.186	84.526	49.6	-0.9	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	3.18	10570.471	766.278	172.432	100.6	0.6	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	3.18	23888.271	687.181	434.534	250.0	-0.0	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	3.18	43962.758	617.973	889.253	500.0	-0.0	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Compound name: PFHpA

Correlation coefficient: $r = 0.999826$, $r^2 = 0.999652$

Calibration curve: $1.13539 * x + -0.0190825$

Response type: Internal Std (Ref 41), 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 180722M1_2	Standard	0.250	3.59	116.462	5283.424	0.276	0.3	3.8	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	3.59	232.783	5244.805	0.555	0.5	1.1	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	3.59	471.704	5467.938	1.078	1.0	-3.3	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	3.59	1037.165	5477.482	2.367	2.1	5.1	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	3.59	2317.143	5272.261	5.494	4.9	-2.9	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	3.59	5422.657	5902.510	11.484	10.1	1.3	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	3.60	22773.248	5090.425	55.922	49.3	-1.5	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	3.59	45624.305	5231.484	109.014	96.0	-4.0	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	3.59	108503.305	4829.989	280.806	247.3	-1.1	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	3.60	200045.281	4341.630	575.951	507.3	1.5	NO	1.000	NO	bb

Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.997983$

Calibration curve: $4.53494e-005 * x^2 + 1.68764 * x + -0.0740949$

Response type: Internal Std (Ref 42), 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 180722M1_2	Standard	0.250	3.75	20.617	679.076	0.380	0.3	7.5	NO	0.998	NO	MM
2	2 180722M1_3	Standard	0.500	3.75	46.774	738.893	0.791	0.5	2.6	NO	0.998	NO	MM
3	3 180722M1_4	Standard	1.000	3.75	83.952	683.374	1.536	1.0	-4.6	NO	0.998	NO	MM
4	4 180722M1_5	Standard	2.000	3.75	163.697	736.333	2.779	1.7	-15.5	NO	0.998	NO	MM
5	5 180722M1_6	Standard	5.000	3.75	450.216	672.098	8.373	5.0	0.1	NO	0.998	NO	MM
6	6 180722M1_7	Standard	10.000	3.75	1105.250	866.225	15.949	9.5	-5.1	NO	0.998	NO	MM
7	7 180722M1_8	Standard	50.000	3.75	4770.206	692.914	86.053	51.0	1.9	NO	0.998	NO	MM
8	8 180722M1_9	Standard	100.000	3.75	9209.647	749.597	153.577	90.8	-9.2	NO	0.998	NO	MM
9	9 180722M1_10	Standard	250.000	3.75	22501.125	625.877	449.392	264.4	5.8	NO	0.998	NO	MM
10	10 180722M1_11	Standard	500.000	3.76	41465.559	612.896	845.689	494.6	-1.1	NO	0.998	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Compound name: Br-PFHxS

Coefficient of Determination: $R^2 = 0.997983$

Calibration curve: $4.53494e-005 * x^2 + 1.68764 * x + -0.0740949$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

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	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180722M1_2	Standard	0.250			678.076				NO	0.972	NO	
2	2 180722M1_3	Standard	0.500			738.893				NO	0.972	NO	
3	3 180722M1_4	Standard	1.000			683.374				NO	0.972	NO	
4	4 180722M1_5	Standard	2.000			736.333				NO	0.972	NO	
5	5 180722M1_6	Standard	5.000			672.098				NO	0.972	NO	
6	6 180722M1_7	Standard	10.000	3.62	211.415	866.225	3.051	1.9	-81.5	YES	0.972	NO	bb
7	7 180722M1_8	Standard	50.000	3.62	844.075	692.914	15.227	9.1	-81.9	YES	0.972	NO	bb
8	8 180722M1_9	Standard	100.000	3.62	1257.039	749.597	20.962	12.5	-87.5	YES	0.972	NO	db
9	9 180722M1_10	Standard	250.000	3.62	4307.871	625.877	86.037	51.0	-79.6	YES	0.972	NO	bb
10	10 180722M1_11	Standard	500.000	3.62	6334.331	612.896	129.189	76.4	-84.7	YES	0.972	NO	db

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999353$

Calibration curve: $-0.00204515 * x^2 + 1.14169 * x + 0.0810906$

Response type: Internal Std (Ref 43), 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 180722M1_2	Standard	0.250	4.06	33.020	1070.878	0.385	0.3	6.7	NO	0.999	NO	MM
2	2 180722M1_3	Standard	0.500	4.06	50.003	1090.644	0.573	0.4	-13.7	NO	0.999	NO	MM
3	3 180722M1_4	Standard	1.000	4.06	100.131	1074.082	1.165	1.0	-4.9	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	4.06	214.921	1103.897	2.434	2.1	3.4	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	4.06	539.817	1080.456	6.245	5.5	9.0	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	4.07	1262.694	1381.562	11.425	10.1	1.2	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	4.07	5569.209	1366.877	50.930	48.8	-2.4	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	4.06	10721.493	1420.876	94.321	100.7	0.7	NO	0.999	NO	bb
9	9 180722M1_10	Standard	250.000	4.06	25764.566	2188.462	147.161	201.7	-19.3	NO	0.999	NO	bbX
10	10 180722M1_11	Standard	500.000	4.07	48509.500	3082.128	196.737			NO	0.999	YES	bbXI

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Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999578$

Calibration curve: $-0.000117465 * x^2 + 1.03357 * x + 0.044274$

Response type: Internal Std (Ref 44), 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 180722M1_2	Standard	0.250	4.12	191.822	7378.520	0.325	0.3	8.6	NO	1.000	NO	MM
2	2 180722M1_3	Standard	0.500	4.12	331.703	7478.667	0.554	0.5	-1.3	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	4.11	700.405	8322.773	1.052	1.0	-2.5	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	4.12	1298.976	7383.501	2.199	2.1	4.3	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	4.12	2825.061	7103.240	4.971	4.8	-4.6	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	4.13	6800.082	8354.213	10.175	9.8	-1.9	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	4.13	29417.941	7295.904	50.401	49.0	-2.0	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	4.13	59501.879	7500.289	99.166	97.0	-3.0	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	4.13	143644.219	6945.061	258.537	257.6	3.1	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	4.13	260591.969	6723.730	484.463	496.7	-0.7	NO	1.000	NO	bb

Compound name: Br-PFOA

Coefficient of Determination: $R^2 = 0.999578$

Calibration curve: $-0.000117465 * x^2 + 1.03357 * x + 0.044274$

Response type: Internal Std (Ref 44), 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 180722M1_2	Standard	0.250			7378.520				NO		NO	
2	2 180722M1_3	Standard	0.500			7478.667				NO		NO	
3	3 180722M1_4	Standard	1.000			8322.773				NO		NO	
4	4 180722M1_5	Standard	2.000			7383.501				NO		NO	
5	5 180722M1_6	Standard	5.000			7103.240				NO		NO	
6	6 180722M1_7	Standard	10.000			8354.213				NO		NO	
7	7 180722M1_8	Standard	50.000			7295.904				NO		NO	
8	8 180722M1_9	Standard	100.000			7500.289				NO		NO	
9	9 180722M1_10	Standard	250.000			6945.061				NO		NO	
10	10 180722M1_11	Standard	500.000			6723.730				NO		NO	

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Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999098$

Calibration curve: $1.82417e-006 * x^2 + 0.873279 * x + -0.116609$

Response type: Internal Std (Ref 47), 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 180722M1_2	Standard	0.250	4.24	23.376	1744.653	0.167	0.3	30.1	YES	0.999	NO	MMX
2	2 180722M1_3	Standard	0.500	4.24	29.633	1794.325	0.206	0.4	-26.0	NO	0.999	NO	MM
3	3 180722M1_4	Standard	1.000	4.23	141.237	1968.084	0.897	1.2	16.1	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	4.24	272.076	1780.762	1.910	2.3	16.0	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	4.24	581.925	1732.052	4.200	4.9	-1.1	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	4.24	1466.191	2094.415	8.751	10.2	1.5	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	4.24	6212.239	1914.591	40.559	46.6	-6.9	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	4.24	12075.142	1777.399	84.921	97.4	-2.6	NO	0.999	NO	bb
9	9 180722M1_10	Standard	250.000	4.24	29373.367	1620.163	226.624	259.5	3.8	NO	0.999	NO	bb
10	10 180722M1_11	Standard	500.000	4.24	53647.375	1546.629	433.583	496.1	-0.8	NO	0.999	NO	bb

Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999466$

Calibration curve: $-0.000126182 * x^2 + 1.23307 * x + -0.0417715$

Response type: Internal Std (Ref 45), 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 180722M1_2	Standard	0.250	4.56	178.626	6915.544	0.323	0.3	18.3	NO	0.999	NO	bb
2	2 180722M1_3	Standard	0.500	4.56	344.535	6725.670	0.640	0.6	10.6	NO	0.999	NO	bb
3	3 180722M1_4	Standard	1.000	4.56	658.054	7863.124	1.046	0.9	-11.8	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	4.56	1333.013	7378.907	2.258	1.9	-6.7	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	4.56	3243.490	7080.248	5.726	4.7	-6.4	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	4.57	7488.815	7816.644	11.976	9.8	-2.4	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	4.57	34515.156	7067.013	61.050	49.8	-0.4	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	4.57	69144.219	7356.219	117.493	96.3	-3.7	NO	0.999	NO	bb
9	9 180722M1_10	Standard	250.000	4.57	168576.781	6803.053	309.745	258.0	3.2	NO	0.999	NO	bb
10	10 180722M1_11	Standard	500.000	4.57	295838.813	6362.871	581.182	496.6	-0.7	NO	0.999	NO	bb

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Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999386$

Calibration curve: $-4.04834e-005 * x^2 + 0.894851 * x + -0.0805142$

Response type: Internal Std (Ref 46), 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 180722M1_2	Standard	0.250	4.63	45.326	3020.052	0.188	0.3	19.9	NO	0.999	NO	MM
2	2 180722M1_3	Standard	0.500	4.62	61.994	3169.040	0.245	0.4	-27.4	NO	0.999	NO	bb
3	3 180722M1_4	Standard	1.000	4.61	240.138	3398.209	0.883	1.1	7.7	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	4.62	377.201	3263.907	1.445	1.7	-14.8	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	4.62	1125.920	2960.865	4.753	5.4	8.1	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	4.63	2895.829	3989.698	9.073	10.2	2.3	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	4.63	12409.279	3313.208	46.817	52.5	5.1	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	4.63	23947.002	3312.638	90.362	101.5	1.5	NO	0.999	NO	bb
9	9 180722M1_10	Standard	250.000	4.63	54827.691	3198.348	214.281	242.2	-3.1	NO	0.999	NO	bb
10	10 180722M1_11	Standard	500.000	4.63	98747.922	2804.513	440.130	503.4	0.7	NO	0.999	NO	bb

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.998337$

Calibration curve: $9.70021e-005 * x^2 + 0.933231 * x + -0.110609$

Response type: Internal Std (Ref 47), 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 180722M1_2	Standard	0.250	4.66	16.787	1744.653	0.120	0.2	-1.0	NO	0.998	NO	MM
2	2 180722M1_3	Standard	0.500	4.66	45.813	1794.325	0.319	0.5	-7.9	NO	0.998	NO	MM
3	3 180722M1_4	Standard	1.000	4.65	131.487	1968.084	0.835	1.0	1.3	NO	0.998	NO	MM
4	4 180722M1_5	Standard	2.000	4.65	200.930	1780.762	1.410	1.6	-18.5	NO	0.998	NO	MM
5	5 180722M1_6	Standard	5.000	4.65	569.009	1732.052	4.106	4.5	-9.7	NO	0.998	NO	MM
6	6 180722M1_7	Standard	10.000	4.66	1484.682	2094.415	8.861	9.6	-4.0	NO	0.998	NO	MM
7	7 180722M1_8	Standard	50.000	4.66	6216.393	1914.591	40.586	43.4	-13.2	NO	0.998	NO	MM
8	8 180722M1_9	Standard	100.000	4.66	13722.959	1777.399	96.510	102.4	2.4	NO	0.998	NO	MM
9	9 180722M1_10	Standard	250.000	4.66	32283.016	1620.163	249.072	260.0	4.0	NO	0.998	NO	MM
10	10 180722M1_11	Standard	500.000	4.66	60135.121	1546.629	486.018	495.4	-0.9	NO	0.998	NO	MM

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Compound name: Br-PFOS

Coefficient of Determination: $R^2 = 0.998337$

Calibration curve: $9.70021e-005 * x^2 + 0.933231 * x + -0.110609$

Response type: Internal Std (Ref 47), 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 180722M1_2	Standard	0.250			1744.653				NO	0.989	NO	
2	2 180722M1_3	Standard	0.500			1794.325				NO	0.989	NO	
3	3 180722M1_4	Standard	1.000			1968.084				NO	0.989	NO	
4	4 180722M1_5	Standard	2.000			1780.762				NO	0.989	NO	
5	5 180722M1_6	Standard	5.000	4.52	130.654	1732.052	0.943	1.1	-77.4	YES	0.989	NO	bd
6	6 180722M1_7	Standard	10.000	4.55	192.534	2094.415	1.149	1.3	-86.5	YES	0.989	NO	dd
7	7 180722M1_8	Standard	50.000	4.55	752.076	1914.591	4.910	5.4	-89.2	YES	0.989	NO	db
8	8 180722M1_9	Standard	100.000	4.55	1627.652	1777.399	11.447	12.4	-87.6	YES	0.989	NO	dd
9	9 180722M1_10	Standard	250.000	4.55	4541.374	1620.163	35.038	37.5	-85.0	YES	0.989	NO	db
10	10 180722M1_11	Standard	500.000	4.55	7229.627	1546.629	58.431	62.3	-87.5	YES	0.989	NO	db

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999763$

Calibration curve: $-0.000102484 * x^2 + 1.34808 * x + -0.0353054$

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 180722M1_2	Standard	0.250	4.95	186.045	7371.237	0.315	0.3	4.1	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	4.94	395.653	7295.876	0.678	0.5	5.8	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	4.94	842.211	8716.270	1.208	0.9	-7.8	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	4.95	1457.523	6692.030	2.722	2.0	2.3	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	4.94	3699.648	7131.830	6.484	4.8	-3.2	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	4.95	9790.043	8917.956	13.722	10.2	2.1	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	4.95	39779.406	7815.243	63.625	47.4	-5.2	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	4.95	81293.695	7527.367	134.997	100.9	0.9	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	4.95	197879.391	7389.963	334.710	253.2	1.3	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	4.96	367358.313	7103.752	646.416	498.4	-0.3	NO	1.000	NO	bb

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Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998823$

Calibration curve: $-0.00571889 * x^2 + 1.49983 * x + -0.473625$

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 180722M1_2	Standard	0.250	4.92	31.046	1098.437	0.353	0.6	121.0	YES	0.999	NO	MMX
2	2 180722M1_3	Standard	0.500	4.92	20.356	938.987	0.271	0.5	-0.5	NO	0.999	NO	MM
3	3 180722M1_4	Standard	1.000	4.90	99.019	1210.507	1.022	1.0	0.1	NO	0.999	NO	bb
4	4 180722M1_5	Standard	2.000	4.91	184.386	866.622	2.660	2.1	5.3	NO	0.999	NO	bb
5	5 180722M1_6	Standard	5.000	4.91	506.124	1007.973	6.277	4.6	-8.4	NO	0.999	NO	bb
6	6 180722M1_7	Standard	10.000	4.92	1461.827	1264.627	14.449	10.4	3.6	NO	0.999	NO	bb
7	7 180722M1_8	Standard	50.000	4.92	6688.378	1389.347	60.176	50.0	-0.1	NO	0.999	NO	bb
8	8 180722M1_9	Standard	100.000	4.92	13249.655	1482.317	111.731			NO	0.999	NO	bbXI
9	9 180722M1_10	Standard	250.000	4.92	30425.744	2180.645	174.408			NO	0.999	NO	bbXI
10	10 180722M1_11	Standard	500.000	4.92	53446.375	2936.326	227.522			NO	0.999	YES	bbXI

Compound name: PFNS

Coefficient of Determination: $R^2 = 0.995437$

Calibration curve: $-0.00285485 * x^2 + 0.860288 * x + -0.127946$

Response type: Internal Std (Ref 47), 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 180722M1_2	Standard	0.250	5.03	9.777	1744.653	0.070	0.2	-7.9	NO	0.995	NO	MM
2	2 180722M1_3	Standard	0.500	5.01	26.055	1794.325	0.182	0.4	-28.0	NO	0.995	NO	MM
3	3 180722M1_4	Standard	1.000	5.01	142.014	1968.084	0.902	1.2	20.2	NO	0.995	NO	bb
4	4 180722M1_5	Standard	2.000	5.01	270.310	1780.762	1.897	2.4	18.6	NO	0.995	NO	bb
5	5 180722M1_6	Standard	5.000	5.01	595.625	1732.052	4.299	5.2	4.7	NO	0.995	NO	bb
6	6 180722M1_7	Standard	10.000	5.02	1264.555	2094.415	7.547	9.2	-8.0	NO	0.995	NO	bb
7	7 180722M1_8	Standard	50.000	5.02	5490.025	1914.591	35.843	50.2	0.3	NO	0.995	NO	bb
8	8 180722M1_9	Standard	100.000	5.02	11400.702	1777.399	80.178			NO	0.995	NO	bbXI
9	9 180722M1_10	Standard	250.000	5.02	26220.068	1620.163	202.295			NO	0.995	NO	bbXI
10	10 180722M1_11	Standard	500.000	5.02	48911.156	1546.629	395.305			NO	0.995	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Printed: Monday, July 23, 2018 09:35:47 Pacific Daylight Time

Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.997572$

Calibration curve: $-0.000405133 * x^2 + 1.24015 * x + -0.170572$

Response type: Internal Std (Ref 50), 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 180722M1_2	Standard	0.250	5.11	33.441	2570.761	0.163	0.3	7.5	NO	0.998	NO	MM
2	2 180722M1_3	Standard	0.500	5.10	77.490	2479.477	0.391	0.5	-9.5	NO	0.998	NO	MM
3	3 180722M1_4	Standard	1.000	5.09	139.404	2268.420	0.768	0.8	-24.3	NO	0.998	NO	MM
4	4 180722M1_5	Standard	2.000	5.09	421.854	2756.871	1.913	1.7	-16.0	NO	0.998	NO	MM
5	5 180722M1_6	Standard	5.000	5.10	1130.858	2903.162	4.869	4.1	-18.6	NO	0.998	NO	MM
6	6 180722M1_7	Standard	10.000	5.11	2680.994	2727.415	12.287	10.1	0.8	NO	0.998	NO	MM
7	7 180722M1_8	Standard	50.000	5.11	12916.088	2386.408	67.654	55.7	11.4	NO	0.998	NO	MM
8	8 180722M1_9	Standard	100.000	5.11	25382.238	2885.898	109.941	91.5	-8.5	NO	0.998	NO	MM
9	9 180722M1_10	Standard	250.000	5.11	59271.082	2541.091	291.563	256.8	2.7	NO	0.998	NO	MM
10	10 180722M1_11	Standard	500.000	5.11	104561.977	2530.977	516.411	497.4	-0.5	NO	0.998	NO	MM

Compound name: Br-MeFOSAA

Coefficient of Determination: $R^2 = 0.997572$

Calibration curve: $-0.000405133 * x^2 + 1.24015 * x + -0.170572$

Response type: Internal Std (Ref 50), 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 180722M1_2	Standard	0.250			2570.761				NO	0.993	NO	
2	2 180722M1_3	Standard	0.500			2479.477				NO	0.993	NO	
3	3 180722M1_4	Standard	1.000			2268.420				NO	0.993	NO	
4	4 180722M1_5	Standard	2.000			2756.871				NO	0.993	NO	
5	5 180722M1_6	Standard	5.000	5.00	182.928	2903.162	0.788	0.8	-84.5	YES	0.993	NO	bd
6	6 180722M1_7	Standard	10.000	5.01	148.430	2727.415	0.680	0.7	-93.1	YES	0.993	NO	bd
7	7 180722M1_8	Standard	50.000	5.01	1308.100	2386.408	6.852	5.7	-88.7	YES	0.993	NO	bd
8	8 180722M1_9	Standard	100.000	5.00	2353.688	2885.898	10.195	8.4	-91.6	YES	0.993	NO	bd
9	9 180722M1_10	Standard	250.000	5.01	5702.170	2541.091	28.050	22.9	-90.8	YES	0.993	NO	bd
10	10 180722M1_11	Standard	500.000	5.01	10260.559	2530.977	50.675	41.6	-91.7	YES	0.993	NO	bd

DM 7/23/18

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999321$

Calibration curve: $-0.000183845 * x^2 + 0.907528 * x + -0.219391$

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 180722M1_2	Standard	0.250	5.26	11.251	2918.217	0.048	0.3	17.9	NO	0.999	NO	MM
2	2 180722M1_3	Standard	0.500	5.25	46.324	2739.253	0.211	0.5	-5.1	NO	0.999	NO	MM
3	3 180722M1_4	Standard	1.000	5.25	158.055	2786.019	0.709	1.0	2.3	NO	0.999	NO	MM
4	4 180722M1_5	Standard	2.000	5.25	369.842	2989.805	1.546	1.9	-2.7	NO	0.999	NO	MM
5	5 180722M1_6	Standard	5.000	5.25	835.939	2928.690	3.568	4.2	-16.5	NO	0.999	NO	MM
6	6 180722M1_7	Standard	10.000	5.26	2342.899	3054.943	9.587	10.8	8.3	NO	0.999	NO	MM
7	7 180722M1_8	Standard	50.000	5.26	9476.116	2828.617	41.876	46.8	-6.3	NO	0.999	NO	MM
8	8 180722M1_9	Standard	100.000	5.26	19684.113	2767.811	88.897	100.2	0.2	NO	0.999	NO	MM
9	9 180722M1_10	Standard	250.000	5.26	47445.594	2696.333	219.954	255.9	2.3	NO	0.999	NO	MM
10	10 180722M1_11	Standard	500.000	5.27	83542.852	2575.770	405.427	497.0	-0.6	NO	0.999	NO	MM

Compound name: Br-ETFOSAA

Coefficient of Determination: $R^2 = 0.999321$

Calibration curve: $-0.000183845 * x^2 + 0.907528 * x + -0.219391$

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 180722M1_2	Standard	0.250			2918.217				NO	0.994	NO	
2	2 180722M1_3	Standard	0.500			2739.253				NO	0.994	NO	
3	3 180722M1_4	Standard	1.000			2786.019				NO	0.994	NO	
4	4 180722M1_5	Standard	2.000			2989.805				NO	0.994	NO	
5	5 180722M1_6	Standard	5.000			2928.690				NO	0.994	NO	
6	6 180722M1_7	Standard	10.000	5.18	211.799	3054.943	0.867	1.2	-88.0	YES	0.994	NO	dd
7	7 180722M1_8	Standard	50.000	5.18	621.485	2828.617	2.746	3.3	-93.5	YES	0.994	NO	db
8	8 180722M1_9	Standard	100.000	5.18	1894.989	2767.811	8.558	9.7	-90.3	YES	0.994	NO	dd
9	9 180722M1_10	Standard	250.000	5.18	4622.716	2696.333	21.431	24.0	-90.4	YES	0.994	NO	dd
10	10 180722M1_11	Standard	500.000	5.18	9020.123	2575.770	43.774	49.0	-90.2	YES	0.994	NO	dd

Qm 7/23/18

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.999860$

Calibration curve: $-0.000163966 * x^2 + 1.00755 * x + -0.00843218$

Response type: Internal Std (Ref 52), 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 180722M1_2	Standard	0.250	5.27	202.419	10306.542	0.245	0.3	0.8	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	5.27	434.825	9346.909	0.582	0.6	17.1	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	5.27	968.514	12625.585	0.959	1.0	-4.0	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	5.27	1649.086	10571.412	1.950	1.9	-2.8	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	5.27	3815.705	10181.515	4.685	4.7	-6.8	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	5.28	9678.452	12734.122	9.501	9.5	-5.5	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	5.28	43996.266	10850.968	50.682	50.7	1.5	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	5.28	85924.273	10955.847	98.035	98.9	-1.1	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	5.28	193033.688	9896.679	243.811	252.4	0.9	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	5.28	340553.844	9217.316	461.840	498.9	-0.2	NO	1.000	NO	bb

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999694$

Calibration curve: $3.26862e-005 * x^2 + 0.160762 * x + 0.0377763$

Response type: Internal Std (Ref 52), 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 180722M1_2	Standard	0.250	5.33	18.447	10306.542	0.022			NO	1.000	NO	MMXI
2	2 180722M1_3	Standard	0.500	5.33	43.380	9346.909	0.058	0.1	-74.8	YES	1.000	NO	MMX
3	3 180722M1_4	Standard	1.000	5.32	157.972	12625.585	0.156	0.7	-26.2	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	5.32	381.666	10571.412	0.451	2.6	28.5	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	5.32	651.425	10181.515	0.800	4.7	-5.3	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	5.34	1748.740	12734.122	1.717	10.4	4.2	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	5.34	7066.983	10850.968	8.141	49.9	-0.2	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	5.34	14164.449	10955.847	16.161	98.3	-1.7	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	5.34	33728.941	9896.679	42.601	251.9	0.7	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	5.34	65244.875	9217.316	88.481	499.4	-0.1	NO	1.000	NO	bb

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Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999787$

Calibration curve: $-0.000270514 * x^2 + 1.25249 * x + -0.0126506$

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 180722M1_2	Standard	0.250	5.56	226.629	10571.284	0.268	0.2	-10.4	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	5.56	545.550	9705.034	0.703	0.6	14.2	NO	1.000	NO	bd
3	3 180722M1_4	Standard	1.000	5.56	1084.502	12183.871	1.113	0.9	-10.1	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	5.56	2033.748	10197.577	2.493	2.0	0.1	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	5.56	4964.273	9386.395	6.611	5.3	5.9	NO	1.000	NO	bd
6	6 180722M1_7	Standard	10.000	5.57	11806.823	11417.531	12.926	10.4	3.5	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	5.57	51680.711	10791.616	59.862	48.3	-3.4	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	5.57	103464.297	10658.091	121.345	99.0	-1.0	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	5.57	246811.047	10270.822	300.379	253.7	1.5	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	5.57	436161.563	9789.060	556.950	498.3	-0.3	NO	1.000	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999926$

Calibration curve: $-6.12032e-005 * x^2 + 1.00747 * x + -0.0554584$

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 180722M1_2	Standard	1.250	5.70	96.579	11899.949	1.217	1.3	1.1	NO	1.000	NO	bb
2	2 180722M1_3	Standard	2.500	5.70	192.281	12079.046	2.388	2.4	-3.0	NO	1.000	NO	bb
3	3 180722M1_4	Standard	5.000	5.70	400.076	12262.340	4.894	4.9	-1.7	NO	1.000	NO	bb
4	4 180722M1_5	Standard	10.000	5.70	797.933	12576.771	9.517	9.5	-4.9	NO	1.000	NO	bb
5	5 180722M1_6	Standard	25.000	5.70	2068.184	12201.150	25.426	25.3	1.3	NO	1.000	NO	bb
6	6 180722M1_7	Standard	50.000	5.70	4646.842	13634.014	51.124	51.0	1.9	NO	1.000	NO	MM
7	7 180722M1_8	Standard	250.000	5.70	20077.688	11873.244	253.650	255.8	2.3	NO	1.000	NO	MM
8	8 180722M1_9	Standard	500.000	5.70	38529.602	11996.858	481.746	493.0	-1.4	NO	1.000	NO	bb
9	9 180722M1_10	Standard	1250.000	5.70	87109.531	11236.908	1162.814	1249.0	-0.1	NO	1.000	NO	bb
10	10 180722M1_11	Standard	2500.000	5.70	149683.813	10505.320	2137.257	2501.7	0.1	NO	1.000	NO	bb

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Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999766$

Calibration curve: $-0.000305635 * x^2 + 1.24724 * x + 0.033316$

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 180722M1_2	Standard	0.250	5.81	310.862	10571.284	0.368	0.3	7.2	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	5.81	495.025	9705.034	0.638	0.5	-3.1	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	5.81	1086.111	12183.871	1.114	0.9	-13.3	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	5.81	2160.835	10197.577	2.649	2.1	4.9	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	5.81	4879.149	9386.395	6.498	5.2	3.8	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	5.83	11700.553	11417.531	12.810	10.3	2.7	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	5.82	52671.215	10791.616	61.009	49.5	-1.0	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	5.83	101106.609	10658.091	118.580	97.4	-2.6	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	5.83	244702.703	10270.822	297.813	254.6	1.9	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	5.83	427105.000	9789.060	545.386	498.0	-0.4	NO	1.000	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999886$

Calibration curve: $-0.000258788 * x^2 + 1.6633 * x + -0.063336$

Response type: Internal Std (Ref 55), 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 180722M1_2	Standard	0.250	6.03	212.364	6614.849	0.401	0.3	11.7	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	6.03	385.060	6120.712	0.786	0.5	2.2	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	6.03	817.025	6916.616	1.477	0.9	-7.4	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	6.03	1573.653	6212.717	3.166	1.9	-2.9	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	6.03	3777.922	5701.183	8.283	5.0	0.4	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	6.04	9034.971	7011.631	16.107	9.7	-2.6	NO	1.000	NO	MM
7	7 180722M1_8	Standard	50.000	6.04	40214.121	6206.860	80.987	49.1	-1.8	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	6.04	79862.867	6147.670	162.384	99.2	-0.8	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	6.04	194199.188	5988.087	405.387	253.8	1.5	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	6.05	339615.531	5553.596	764.405	498.2	-0.4	NO	1.000	NO	bb

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Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.998738$

Calibration curve: $1.68566e-006 * x^2 + 0.842953 * x + -0.00889351$

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 180722M1_2	Standard	1.250	6.13	83.383	13848.439	0.903	1.1	-13.4	NO	0.999	NO	bb
2	2 180722M1_3	Standard	2.500	6.13	194.453	13911.689	2.097	2.5	-0.1	NO	0.999	NO	bb
3	3 180722M1_4	Standard	5.000	6.13	390.829	14031.147	4.178	5.0	-0.7	NO	0.999	NO	bb
4	4 180722M1_5	Standard	10.000	6.13	840.561	14430.540	8.737	10.4	3.8	NO	0.999	NO	bb
5	5 180722M1_6	Standard	25.000	6.13	2005.132	14020.446	21.452	25.5	1.8	NO	0.999	NO	bb
6	6 180722M1_7	Standard	50.000	6.13	4828.114	16755.168	43.224	51.3	2.6	NO	0.999	NO	bb
7	7 180722M1_8	Standard	250.000	6.13	21327.693	14372.362	222.591	263.9	5.6	NO	0.999	NO	bb
8	8 180722M1_9	Standard	500.000	6.13	41156.465	13979.033	441.624	523.4	4.7	NO	0.999	NO	bb
9	9 180722M1_10	Standard	1250.000	6.13	88292.563	13238.451	1000.410	1184.0	-5.3	NO	0.999	NO	bb
10	10 180722M1_11	Standard	2500.000	6.13	156176.063	10943.269	2140.714	2526.8	1.1	NO	0.999	NO	MM

Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999602$

Calibration curve: $-0.000196409 * x^2 + 0.542972 * x + 0.032339$

Response type: Internal Std (Ref 57), 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 180722M1_2	Standard	0.250	6.38	136.952	3949.897	0.173	0.3	3.9	NO	1.000	NO	bb
2	2 180722M1_3	Standard	0.500	6.38	244.790	3985.896	0.307	0.5	1.2	NO	1.000	NO	bb
3	3 180722M1_4	Standard	1.000	6.38	521.300	4076.657	0.639	1.1	11.8	NO	1.000	NO	bb
4	4 180722M1_5	Standard	2.000	6.38	900.789	4105.787	1.097	2.0	-1.9	NO	1.000	NO	bb
5	5 180722M1_6	Standard	5.000	6.38	1916.798	4104.604	2.335	4.2	-15.1	NO	1.000	NO	bb
6	6 180722M1_7	Standard	10.000	6.39	4890.013	4395.958	5.562	10.2	2.2	NO	1.000	NO	bb
7	7 180722M1_8	Standard	50.000	6.39	21368.350	4134.553	25.841	48.4	-3.2	NO	1.000	NO	bb
8	8 180722M1_9	Standard	100.000	6.39	42532.719	4084.201	52.070	99.4	-0.6	NO	1.000	NO	bb
9	9 180722M1_10	Standard	250.000	6.39	99765.352	3959.943	125.968	255.6	2.2	NO	1.000	NO	bb
10	10 180722M1_11	Standard	500.000	6.39	187003.797	4224.598	221.327	496.9	-0.6	NO	1.000	NO	bb

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Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998279$

Calibration curve: $-0.000303326 * x^2 + 0.929714 * x + -0.0432984$

Response type: Internal Std (Ref 57), 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 180722M1_2	Standard	0.250	6.62	157.826	3949.897	0.200	0.3	4.6	NO	0.998	NO	bb
2	2 180722M1_3	Standard	0.500	6.62	335.694	3985.896	0.421	0.5	-0.1	NO	0.998	NO	bb
3	3 180722M1_4	Standard	1.000	6.62	680.782	4076.657	0.835	0.9	-5.5	NO	0.998	NO	bb
4	4 180722M1_5	Standard	2.000	6.62	1489.487	4105.787	1.814	2.0	-0.1	NO	0.998	NO	bb
5	5 180722M1_6	Standard	5.000	6.63	3437.875	4104.604	4.188	4.6	-8.8	NO	0.998	NO	bb
6	6 180722M1_7	Standard	10.000	6.64	7931.889	4395.958	9.022	9.8	-2.2	NO	0.998	NO	bb
7	7 180722M1_8	Standard	50.000	6.63	34861.703	4134.553	42.159	46.1	-7.8	NO	0.998	NO	bb
8	8 180722M1_9	Standard	100.000	6.64	70969.031	4084.201	86.882	96.5	-3.5	NO	0.998	NO	bb
9	9 180722M1_10	Standard	250.000	6.64	178896.688	3959.943	225.883	266.1	6.4	NO	0.998	NO	bb
10	10 180722M1_11	Standard	500.000	6.64	324210.625	4224.598	383.718	491.6	-1.7	NO	0.998	NO	bb

Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999646$

Calibration curve: $2.68332e-005 * x^2 + 0.957151 * x + -0.0292889$

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 180722M1_2	Standard	1.250	6.31	104.590	12523.487	1.253	1.3	7.1	NO	1.000	NO	bb
2	2 180722M1_3	Standard	2.500	6.31	177.686	12106.248	2.202	2.3	-6.8	NO	1.000	NO	bb
3	3 180722M1_4	Standard	5.000	6.31	412.413	12838.567	4.818	5.1	1.3	NO	1.000	NO	bb
4	4 180722M1_5	Standard	10.000	6.31	785.729	12737.231	9.253	9.7	-3.0	NO	1.000	NO	bb
5	5 180722M1_6	Standard	25.000	6.31	2097.818	12802.668	24.579	25.7	2.8	NO	1.000	NO	bb
6	6 180722M1_7	Standard	50.000	6.31	4755.358	14996.025	47.566	49.7	-0.7	NO	1.000	NO	bb
7	7 180722M1_8	Standard	250.000	6.31	22092.543	13479.578	245.845	255.1	2.0	NO	1.000	NO	bb
8	8 180722M1_9	Standard	500.000	6.31	44262.914	14317.361	463.733	478.1	-4.4	NO	1.000	NO	bb
9	9 180722M1_10	Standard	1250.000	6.31	110080.086	13064.538	1263.880	1274.9	2.0	NO	1.000	NO	bb
10	10 180722M1_11	Standard	2500.000	6.31	218791.391	12862.014	2551.600	2491.8	-0.3	NO	1.000	NO	MM

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Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999486$

Calibration curve: $-1.8807e-006 * x^2 + 1.1024 * x + -0.0830609$

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 180722M1_2	Standard	1.250	6.46	118.103	12571.431	1.409	1.4	8.3	NO	0.999	NO	bb
2	2 180722M1_3	Standard	2.500	6.46	241.392	13289.955	2.725	2.5	1.9	NO	0.999	NO	bb
3	3 180722M1_4	Standard	5.000	6.46	463.614	12393.482	5.611	5.2	3.3	NO	0.999	NO	bb
4	4 180722M1_5	Standard	10.000	6.46	945.857	13657.382	10.388	9.5	-5.0	NO	0.999	NO	bb
5	5 180722M1_6	Standard	25.000	6.46	2407.068	13770.965	26.219	23.9	-4.6	NO	0.999	NO	bb
6	6 180722M1_7	Standard	50.000	6.46	5280.813	15841.062	50.004	45.4	-9.1	NO	0.999	NO	bb
7	7 180722M1_8	Standard	250.000	6.46	26800.391	13540.117	296.900	269.5	7.8	NO	0.999	NO	bb
8	8 180722M1_9	Standard	500.000	6.46	51014.426	14220.564	538.106	488.6	-2.3	NO	0.999	NO	bb
9	9 180722M1_10	Standard	1250.000	6.46	122411.930	13411.633	1369.094	1244.6	-0.4	NO	0.999	NO	bb
10	10 180722M1_11	Standard	2500.000	6.46	232617.594	12699.404	2747.581	2503.1	0.1	NO	0.999	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.91327

RRF SD: 0.0124256, Relative SD: 1.36056

Response type: Internal Std (Ref 60), 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 180722M1_2	Standard	12.500	1.16	4072.194	4394.433	11.583	12.7	1.5	NO		NO	MM
2	2 180722M1_3	Standard	12.500	1.16	4265.620	4630.016	11.516	12.6	0.9	NO		NO	bb
3	3 180722M1_4	Standard	12.500	1.21	4197.933	4664.172	11.250	12.3	-1.4	NO		NO	bb
4	4 180722M1_5	Standard	12.500	1.16	4211.982	4619.470	11.397	12.5	-0.2	NO		NO	bb
5	5 180722M1_6	Standard	12.500	1.16	4170.574	4620.487	11.283	12.4	-1.2	NO		NO	MM
6	6 180722M1_7	Standard	12.500	1.16	4947.503	5296.776	11.676	12.8	2.3	NO		NO	MM
7	7 180722M1_8	Standard	12.500	1.16	4626.738	5021.276	11.518	12.6	0.9	NO		NO	MM
8	8 180722M1_9	Standard	12.500	1.16	4539.862	5021.779	11.300	12.4	-1.0	NO		NO	MM
9	9 180722M1_10	Standard	12.500	1.16	4403.675	4818.362	11.424	12.5	0.1	NO		NO	MM
10	10 180722M1_11	Standard	12.500	1.16	4365.613	4867.865	11.210	12.3	-1.8	NO		NO	MM

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Compound name: 13C3-PFPeA

Response Factor: 1.00686

RRF SD: 0.0216942, Relative SD: 2.15463

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	2.16	6674.511	6562.833	12.713	12.6	1.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	2.16	6138.622	6375.987	12.035	12.0	-4.4	NO		NO	bb
3	3 180722M1_4	Standard	12.500	2.17	6677.303	6462.781	12.915	12.8	2.6	NO		NO	bb
4	4 180722M1_5	Standard	12.500	2.16	6516.744	6648.709	12.252	12.2	-2.7	NO		NO	bb
5	5 180722M1_6	Standard	12.500	2.16	6376.599	6344.375	12.563	12.5	-0.2	NO		NO	MM
6	6 180722M1_7	Standard	12.500	2.16	7157.246	7113.530	12.577	12.5	-0.1	NO		NO	bb
7	7 180722M1_8	Standard	12.500	2.16	6219.928	6198.511	12.543	12.5	-0.3	NO		NO	bb
8	8 180722M1_9	Standard	12.500	2.16	6113.788	6059.961	12.611	12.5	0.2	NO		NO	bb
9	9 180722M1_10	Standard	12.500	2.16	5739.490	5572.493	12.875	12.8	2.3	NO		NO	bb
10	10 180722M1_11	Standard	12.500	2.16	5217.706	5105.473	12.775	12.7	1.5	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.122319

RRF SD: 0.00385583, Relative SD: 3.15228

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	2.46	756.705	6562.833	1.441	11.8	-5.7	NO		NO	bb
2	2 180722M1_3	Standard	12.500	2.46	749.326	6375.987	1.469	12.0	-3.9	NO		NO	bb
3	3 180722M1_4	Standard	12.500	2.46	813.938	6462.781	1.574	12.9	3.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	2.46	833.441	6648.709	1.567	12.8	2.5	NO		NO	bb
5	5 180722M1_6	Standard	12.500	2.46	799.496	6344.375	1.575	12.9	3.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	2.46	870.317	7113.530	1.529	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	2.46	743.186	6198.511	1.499	12.3	-2.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	2.46	766.278	6059.961	1.581	12.9	3.4	NO		NO	bb
9	9 180722M1_10	Standard	12.500	2.46	687.181	5572.493	1.541	12.6	0.8	NO		NO	bb
10	10 180722M1_11	Standard	12.500	2.46	617.973	5105.473	1.513	12.4	-1.0	NO		NO	bb

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Compound name: 13C2-4:2 FTS

Response Factor: 0.181736

RRF SD: 0.0316362, Relative SD: 17.4078

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	2.89	1082.047	6562.833	2.061	11.3	-9.3	NO		NO	bb
2	2 180722M1_3	Standard	12.500	2.89	1040.983	6375.987	2.041	11.2	-10.2	NO		NO	bb
3	3 180722M1_4	Standard	12.500	2.88	1096.581	6462.781	2.121	11.7	-6.6	NO		NO	bb
4	4 180722M1_5	Standard	12.500	2.89	1055.097	6648.709	1.984	10.9	-12.7	NO		NO	bb
5	5 180722M1_6	Standard	12.500	2.89	1041.055	6344.375	2.051	11.3	-9.7	NO		NO	bb
6	6 180722M1_7	Standard	12.500	2.90	1232.589	7113.530	2.166	11.9	-4.7	NO		NO	bb
7	7 180722M1_8	Standard	12.500	2.90	1313.012	6198.511	2.648	14.6	16.6	NO		NO	bb
8	8 180722M1_9	Standard	12.500	2.90	1503.998	6059.961	3.102	17.1	36.6	NO		NO	bb
9	9 180722M1_10	Standard	12.500	2.90	2184.501	5572.493	4.900	27.0	115.7	NO		NO	bbX
10	10 180722M1_11	Standard	12.500	2.90	2724.052	5105.473	6.669	36.7	193.6	NO		NO	bbX

Compound name: 13C2-PFHxA

Response Factor: 0.734111

RRF SD: 0.0386214, Relative SD: 5.26098

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	5.000	2.98	1877.907	6562.833	3.577	4.9	-2.6	NO		NO	bb
2	2 180722M1_3	Standard	5.000	2.97	1828.144	6375.987	3.584	4.9	-2.4	NO		NO	bb
3	3 180722M1_4	Standard	5.000	2.97	1929.477	6462.781	3.732	5.1	1.7	NO		NO	bb
4	4 180722M1_5	Standard	5.000	2.98	1777.028	6648.709	3.341	4.6	-9.0	NO		NO	bb
5	5 180722M1_6	Standard	5.000	2.98	1848.084	6344.375	3.641	5.0	-0.8	NO		NO	bb
6	6 180722M1_7	Standard	5.000	2.98	2050.987	7113.530	3.604	4.9	-1.8	NO		NO	bb
7	7 180722M1_8	Standard	5.000	2.98	1780.468	6198.511	3.591	4.9	-2.2	NO		NO	bb
8	8 180722M1_9	Standard	5.000	2.98	1812.053	6059.961	3.738	5.1	1.8	NO		NO	bb
9	9 180722M1_10	Standard	5.000	2.98	1701.238	5572.493	3.816	5.2	4.0	NO		NO	bb
10	10 180722M1_11	Standard	5.000	2.98	1667.353	5105.473	4.082	5.6	11.2	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.835998

RRF SD: 0.0199058, Relative SD: 2.38108

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	3.59	5283.424	6562.833	10.063	12.0	-3.7	NO		NO	bb
2	2 180722M1_3	Standard	12.500	3.59	5244.805	6375.987	10.282	12.3	-1.6	NO		NO	bb
3	3 180722M1_4	Standard	12.500	3.59	5467.938	6462.781	10.576	12.7	1.2	NO		NO	bb
4	4 180722M1_5	Standard	12.500	3.59	5477.482	6648.709	10.298	12.3	-1.5	NO		NO	bb
5	5 180722M1_6	Standard	12.500	3.59	5272.261	6344.375	10.388	12.4	-0.6	NO		NO	bb
6	6 180722M1_7	Standard	12.500	3.59	5902.510	7113.530	10.372	12.4	-0.7	NO		NO	bb
7	7 180722M1_8	Standard	12.500	3.60	5090.425	6198.511	10.265	12.3	-1.8	NO		NO	bb
8	8 180722M1_9	Standard	12.500	3.59	5231.484	6059.961	10.791	12.9	3.3	NO		NO	bb
9	9 180722M1_10	Standard	12.500	3.59	4829.989	5572.493	10.834	13.0	3.7	NO		NO	bb
10	10 180722M1_11	Standard	12.500	3.60	4341.630	5105.473	10.630	12.7	1.7	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.4855

RRF SD: 0.0215779, Relative SD: 4.44448

Response type: Internal Std (Ref 62), 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 180722M1_2	Standard	12.500	3.75	679.076	1433.033	5.923	12.2	-2.4	NO		NO	bb
2	2 180722M1_3	Standard	12.500	3.75	738.893	1495.792	6.175	12.7	1.7	NO		NO	bb
3	3 180722M1_4	Standard	12.500	3.75	683.374	1420.464	6.014	12.4	-0.9	NO		NO	bb
4	4 180722M1_5	Standard	12.500	3.75	736.333	1484.570	6.200	12.8	2.2	NO		NO	bb
5	5 180722M1_6	Standard	12.500	3.75	672.098	1497.029	5.612	11.6	-7.5	NO		NO	bb
6	6 180722M1_7	Standard	12.500	3.75	866.225	1699.720	6.370	13.1	5.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	3.75	692.914	1430.095	6.057	12.5	-0.2	NO		NO	bb
8	8 180722M1_9	Standard	12.500	3.75	749.597	1429.589	6.554	13.5	8.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	3.75	625.877	1337.662	5.849	12.0	-3.6	NO		NO	bb
10	10 180722M1_11	Standard	12.500	3.75	612.896	1291.060	5.934	12.2	-2.2	NO		NO	bb

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Compound name: 13C2-6:2 FTS

Response Factor: 0.160677

RRF SD: 0.0175451, Relative SD: 10.9195

Response type: Internal Std (Ref 63), 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 180722M1_2	Standard	12.500	4.06	1070.878	7102.491	1.885	11.7	-6.2	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.06	1090.644	7127.643	1.913	11.9	-4.8	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.06	1074.082	7591.708	1.769	11.0	-11.9	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.06	1103.897	7219.790	1.911	11.9	-4.8	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.06	1080.456	7389.634	1.828	11.4	-9.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.06	1381.562	8183.043	2.110	13.1	5.1	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.07	1366.877	7370.463	2.318	14.4	15.4	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.06	1420.876	7608.689	2.334	14.5	16.2	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.07	2188.462	6827.281	4.007	24.9	99.5	NO		NO	bbX
10	10 180722M1_11	Standard	12.500	4.07	3082.128	6378.209	6.040	37.6	200.7	NO		NO	bbX

Compound name: 13C2-PFOA

Response Factor: 1.02363

RRF SD: 0.0388962, Relative SD: 3.79983

Response type: Internal Std (Ref 63), 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 180722M1_2	Standard	12.500	4.12	7378.520	7102.491	12.986	12.7	1.5	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.12	7478.667	7127.643	13.116	12.8	2.5	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.11	8322.773	7591.708	13.704	13.4	7.1	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.11	7383.501	7219.790	12.783	12.5	-0.1	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.12	7103.240	7389.634	12.016	11.7	-6.1	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.13	8354.213	8183.043	12.761	12.5	-0.3	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.13	7295.904	7370.463	12.374	12.1	-3.3	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.13	7500.289	7608.689	12.322	12.0	-3.7	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.13	6945.061	6827.281	12.716	12.4	-0.6	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.13	6723.730	6378.209	13.177	12.9	3.0	NO		NO	bb

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Compound name: 13C5-PFNA

Response Factor: 0.967657

RRF SD: 0.0355093, Relative SD: 3.66962

Response type: Internal Std (Ref 64), 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 180722M1_2	Standard	12.500	4.56	6915.544	7009.710	12.332	12.7	2.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.56	6725.670	6975.978	12.051	12.5	-0.4	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.56	7863.124	7765.359	12.657	13.1	4.6	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.56	7378.907	7291.905	12.649	13.1	4.6	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.56	7080.248	7479.989	11.832	12.2	-2.2	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.57	7816.644	8273.273	11.810	12.2	-2.4	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.57	7067.013	7577.519	11.658	12.0	-3.6	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.57	7356.219	7403.840	12.420	12.8	2.7	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.57	6803.053	7521.833	11.306	11.7	-6.5	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.57	6362.871	6496.952	12.242	12.7	1.2	NO		NO	bb

Compound name: 13C8-PFOSA

Response Factor: 0.280674

RRF SD: 0.0169464, Relative SD: 6.03775

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	4.62	3020.052	11719.839	3.221	11.5	-8.2	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.62	3169.040	10839.217	3.655	13.0	4.2	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.62	3398.209	13420.281	3.165	11.3	-9.8	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.62	3263.907	11548.399	3.533	12.6	0.7	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.62	2960.865	10965.287	3.375	12.0	-3.8	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.63	3989.698	13686.230	3.644	13.0	3.9	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.63	3313.208	12172.893	3.402	12.1	-3.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.63	3312.638	11470.704	3.610	12.9	2.9	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.63	3198.348	10433.934	3.832	13.7	9.2	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.63	2804.513	9610.834	3.648	13.0	4.0	NO		NO	bb

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Compound name: 13C8-PFOS

Response Factor: 1.08321

RRF SD: 0.0628924, Relative SD: 5.80609

Response type: Internal Std (Ref 65), 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 180722M1_2	Standard	12.500	4.65	1744.653	1587.881	13.734	12.7	1.4	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.65	1794.325	1657.402	13.533	12.5	-0.1	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.65	1968.084	1764.405	13.943	12.9	3.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.65	1780.762	1708.818	13.026	12.0	-3.8	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.65	1732.052	1606.992	13.473	12.4	-0.5	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.66	2094.415	1840.696	14.223	13.1	5.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.66	1914.591	1590.181	15.050	13.9	11.2	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.66	1777.399	1715.902	12.948	12.0	-4.4	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.66	1620.163	1667.812	12.143	11.2	-10.3	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.66	1546.629	1450.429	13.329	12.3	-1.6	NO		NO	bb

Compound name: 13C2-PFDA

Response Factor: 0.911367

RRF SD: 0.0360937, Relative SD: 3.96039

Response type: Internal Std (Ref 66), 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 180722M1_2	Standard	12.500	4.95	7371.237	7949.151	11.591	12.7	1.7	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.94	7295.876	7876.177	11.579	12.7	1.6	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.94	8716.270	9396.324	11.595	12.7	1.8	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.95	6692.030	8151.033	10.263	11.3	-9.9	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.95	7131.830	7938.420	11.230	12.3	-1.4	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.95	8917.956	9610.109	11.600	12.7	1.8	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.95	7815.243	8495.826	11.499	12.6	0.9	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.95	7527.367	8478.309	11.098	12.2	-2.6	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.95	7389.963	7969.225	11.591	12.7	1.7	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.95	7103.752	7477.605	11.875	13.0	4.2	NO		NO	bb

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Compound name: 13C2-8:2 FTS

Response Factor: 0.170441

RRF SD: 0.0303035, Relative SD: 17.7795

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	4.91	1098.437	6562.833	2.092	12.3	-1.8	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.91	938.987	6375.987	1.841	10.8	-13.6	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.91	1210.507	6462.781	2.341	13.7	9.9	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.91	866.622	6648.709	1.629	9.6	-23.5	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.91	1007.973	6344.375	1.986	11.7	-6.8	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.92	1264.627	7113.530	2.222	13.0	4.3	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.92	1389.347	6198.511	2.802	16.4	31.5	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.92	1482.317	6059.961	3.058	17.9	43.5	NO		NO	bbX
9	9 180722M1_10	Standard	12.500	4.92	2180.645	5572.493	4.892	28.7	129.6	NO		NO	bbX
10	10 180722M1_11	Standard	12.500	4.92	2936.326	5105.473	7.189	42.2	237.4	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.227441

RRF SD: 0.0314631, Relative SD: 13.8335

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	5.09	2570.761	11719.839	2.742	12.1	-3.6	NO		NO	bb
2	2 180722M1_3	Standard	12.500	5.10	2479.477	10839.217	2.859	12.6	0.6	NO		NO	bb
3	3 180722M1_4	Standard	12.500	5.09	2268.420	13420.281	2.113	9.3	-25.7	NO		NO	bb
4	4 180722M1_5	Standard	12.500	5.09	2756.871	11548.399	2.984	13.1	5.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	5.09	2903.162	10965.287	3.309	14.6	16.4	NO		NO	bb
6	6 180722M1_7	Standard	12.500	5.10	2727.415	13686.230	2.491	11.0	-12.4	NO		NO	bb
7	7 180722M1_8	Standard	12.500	5.10	2386.408	12172.893	2.451	10.8	-13.8	NO		NO	bb
8	8 180722M1_9	Standard	12.500	5.10	2885.898	11470.704	3.145	13.8	10.6	NO		NO	bb
9	9 180722M1_10	Standard	12.500	5.10	2541.091	10433.934	3.044	13.4	7.1	NO		NO	bb
10	10 180722M1_11	Standard	12.500	5.11	2530.977	9610.834	3.292	14.5	15.8	NO		NO	bb

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Compound name: d5-N-EtFOSAA

Response Factor: 0.24586

RRF SD: 0.0197352, Relative SD: 8.027

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	5.25	2918.217	11719.839	3.112	12.7	1.3	NO		NO	bb
2	2 180722M1_3	Standard	12.500	5.25	2739.253	10839.217	3.159	12.8	2.8	NO		NO	bb
3	3 180722M1_4	Standard	12.500	5.25	2786.019	13420.281	2.595	10.6	-15.6	NO		NO	bb
4	4 180722M1_5	Standard	12.500	5.25	2989.805	11548.399	3.236	13.2	5.3	NO		NO	bb
5	5 180722M1_6	Standard	12.500	5.25	2928.690	10965.287	3.339	13.6	8.6	NO		NO	bb
6	6 180722M1_7	Standard	12.500	5.26	3054.943	13686.230	2.790	11.3	-9.2	NO		NO	bb
7	7 180722M1_8	Standard	12.500	5.26	2828.617	12172.893	2.905	11.8	-5.5	NO		NO	bb
8	8 180722M1_9	Standard	12.500	5.26	2767.811	11470.704	3.016	12.3	-1.9	NO		NO	bb
9	9 180722M1_10	Standard	12.500	5.26	2696.333	10433.934	3.230	13.1	5.1	NO		NO	bb
10	10 180722M1_11	Standard	12.500	5.26	2575.770	9610.834	3.350	13.6	9.0	NO		NO	bb

Compound name: 13C2-PFUDa

Response Factor: 0.921096

RRF SD: 0.0333094, Relative SD: 3.61627

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	5.27	10306.542	11719.839	10.993	11.9	-4.5	NO		NO	bb
2	2 180722M1_3	Standard	12.500	5.27	9346.909	10839.217	10.779	11.7	-6.4	NO		NO	bb
3	3 180722M1_4	Standard	12.500	5.27	12625.585	13420.281	11.760	12.8	2.1	NO		NO	bb
4	4 180722M1_5	Standard	12.500	5.27	10571.412	11548.399	11.443	12.4	-0.6	NO		NO	bb
5	5 180722M1_6	Standard	12.500	5.27	10181.515	10965.287	11.607	12.6	0.8	NO		NO	bb
6	6 180722M1_7	Standard	12.500	5.28	12734.122	13686.230	11.630	12.6	1.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	5.28	10850.968	12172.893	11.143	12.1	-3.2	NO		NO	bb
8	8 180722M1_9	Standard	12.500	5.28	10955.847	11470.704	11.939	13.0	3.7	NO		NO	bb
9	9 180722M1_10	Standard	12.500	5.28	9896.679	10433.934	11.856	12.9	3.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	5.28	9217.316	9610.834	11.988	13.0	4.1	NO		NO	bb

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Compound name: 13C2-PFDoA

Response Factor: 1.26055

RRF SD: 0.0490178, Relative SD: 3.8886

Response type: Internal Std (Ref 66), 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 180722M1_2	Standard	12.500	5.56	10571.284	7949.151	16.623	13.2	5.5	NO		NO	bb
2	2 180722M1_3	Standard	12.500	5.56	9705.034	7876.177	15.403	12.2	-2.2	NO		NO	bb
3	3 180722M1_4	Standard	12.500	5.56	12183.871	9396.324	16.208	12.9	2.9	NO		NO	bb
4	4 180722M1_5	Standard	12.500	5.56	10197.577	8151.033	15.638	12.4	-0.8	NO		NO	bb
5	5 180722M1_6	Standard	12.500	5.56	9386.395	7938.420	14.780	11.7	-6.2	NO		NO	bb
6	6 180722M1_7	Standard	12.500	5.57	11417.531	9610.109	14.851	11.8	-5.7	NO		NO	bb
7	7 180722M1_8	Standard	12.500	5.57	10791.616	8495.826	15.878	12.6	0.8	NO		NO	bb
8	8 180722M1_9	Standard	12.500	5.57	10658.091	8478.309	15.714	12.5	-0.3	NO		NO	bb
9	9 180722M1_10	Standard	12.500	5.57	10270.822	7969.225	16.110	12.8	2.2	NO		NO	bb
10	10 180722M1_11	Standard	12.500	5.57	9789.060	7477.605	16.364	13.0	3.9	NO		NO	bb

Compound name: d3-N-MeFOSA

Response Factor: 0.0869391

RRF SD: 0.00555445, Relative SD: 6.3889

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	150.000	5.73	11899.949	11719.839	12.692	146.0	-2.7	NO		NO	bb
2	2 180722M1_3	Standard	150.000	5.73	12079.046	10839.217	13.930	160.2	6.8	NO		NO	bb
3	3 180722M1_4	Standard	150.000	5.72	12262.340	13420.281	11.421	131.4	-12.4	NO		NO	bb
4	4 180722M1_5	Standard	150.000	5.73	12576.771	11548.399	13.613	156.6	4.4	NO		NO	bb
5	5 180722M1_6	Standard	150.000	5.73	12201.150	10965.287	13.909	160.0	6.7	NO		NO	bb
6	6 180722M1_7	Standard	150.000	5.72	13634.014	13686.230	12.452	143.2	-4.5	NO		NO	bb
7	7 180722M1_8	Standard	150.000	5.72	11873.244	12172.893	12.192	140.2	-6.5	NO		NO	bb
8	8 180722M1_9	Standard	150.000	5.72	11996.858	11470.704	13.073	150.4	0.2	NO		NO	bb
9	9 180722M1_10	Standard	150.000	5.72	11236.908	10433.934	13.462	154.8	3.2	NO		NO	bb
10	10 180722M1_11	Standard	150.000	5.73	10505.320	9610.834	13.663	157.2	4.8	NO		NO	bb

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Compound name: 13C2-PFTeDA

Response Factor: 0.541229

RRF SD: 0.0268214, Relative SD: 4.95565

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	6.03	6614.849	11719.839	7.055	13.0	4.3	NO		NO	bb
2	2 180722M1_3	Standard	12.500	6.03	6120.712	10839.217	7.059	13.0	4.3	NO		NO	bb
3	3 180722M1_4	Standard	12.500	6.03	6916.616	13420.281	6.442	11.9	-4.8	NO		NO	bb
4	4 180722M1_5	Standard	12.500	6.03	6212.717	11548.399	6.725	12.4	-0.6	NO		NO	bb
5	5 180722M1_6	Standard	12.500	6.04	5701.183	10965.287	6.499	12.0	-3.9	NO		NO	bb
6	6 180722M1_7	Standard	12.500	6.04	7011.631	13686.230	6.404	11.8	-5.3	NO		NO	bb
7	7 180722M1_8	Standard	12.500	6.04	6206.860	12172.893	6.374	11.8	-5.8	NO		NO	bb
8	8 180722M1_9	Standard	12.500	6.04	6147.670	11470.704	6.699	12.4	-1.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	6.05	5988.087	10433.934	7.174	13.3	6.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	6.05	5553.596	9610.834	7.223	13.3	6.8	NO		NO	bb

Compound name: d5-N-ETFOSA

Response Factor: 0.100582

RRF SD: 0.0061567, Relative SD: 6.12109

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	150.000	6.15	13848.439	11719.839	14.770	146.8	-2.1	NO		NO	bb
2	2 180722M1_3	Standard	150.000	6.15	13911.689	10839.217	16.043	159.5	6.3	NO		NO	bb
3	3 180722M1_4	Standard	150.000	6.15	14031.147	13420.281	13.069	129.9	-13.4	NO		NO	bb
4	4 180722M1_5	Standard	150.000	6.15	14430.540	11548.399	15.620	155.3	3.5	NO		NO	bb
5	5 180722M1_6	Standard	150.000	6.15	14020.446	10965.287	15.983	158.9	5.9	NO		NO	bb
6	6 180722M1_7	Standard	150.000	6.15	16755.168	13686.230	15.303	152.1	1.4	NO		NO	bb
7	7 180722M1_8	Standard	150.000	6.15	14372.362	12172.893	14.759	146.7	-2.2	NO		NO	bb
8	8 180722M1_9	Standard	150.000	6.15	13979.033	11470.704	15.233	151.5	1.0	NO		NO	bb
9	9 180722M1_10	Standard	150.000	6.15	13238.451	10433.934	15.860	157.7	5.1	NO		NO	MM
10	10 180722M1_11	Standard	150.000	6.15	10943.269	9610.834	14.233	141.5	-5.7	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 0.893594

RRF SD: 0.0933798, Relative SD: 10.4499

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	5.000	6.38	3949.897	11719.839	4.213	4.7	-5.7	NO		NO	bb
2	2 180722M1_3	Standard	5.000	6.38	3985.896	10839.217	4.597	5.1	2.9	NO		NO	bb
3	3 180722M1_4	Standard	5.000	6.38	4076.657	13420.281	3.797	4.2	-15.0	NO		NO	bb
4	4 180722M1_5	Standard	5.000	6.38	4105.787	11548.399	4.444	5.0	-0.5	NO		NO	bb
5	5 180722M1_6	Standard	5.000	6.38	4104.604	10965.287	4.679	5.2	4.7	NO		NO	bb
6	6 180722M1_7	Standard	5.000	6.39	4395.958	13686.230	4.015	4.5	-10.1	NO		NO	bb
7	7 180722M1_8	Standard	5.000	6.39	4134.553	12172.893	4.246	4.8	-5.0	NO		NO	bb
8	8 180722M1_9	Standard	5.000	6.39	4084.201	11470.704	4.451	5.0	-0.4	NO		NO	bb
9	9 180722M1_10	Standard	5.000	6.39	3959.943	10433.934	4.744	5.3	6.2	NO		NO	bb
10	10 180722M1_11	Standard	5.000	6.39	4224.598	9610.834	5.495	6.1	23.0	NO		NO	bb

Compound name: d7-N-MeFOSE

Response Factor: 0.095452

RRF SD: 0.00911629, Relative SD: 9.55065

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	150.000	6.30	12523.487	11719.839	13.357	139.9	-6.7	NO		NO	bb
2	2 180722M1_3	Standard	150.000	6.30	12106.248	10839.217	13.961	146.3	-2.5	NO		NO	bb
3	3 180722M1_4	Standard	150.000	6.30	12838.567	13420.281	11.958	125.3	-16.5	NO		NO	bb
4	4 180722M1_5	Standard	150.000	6.30	12737.231	11548.399	13.787	144.4	-3.7	NO		NO	bb
5	5 180722M1_6	Standard	150.000	6.30	12802.668	10965.287	14.595	152.9	1.9	NO		NO	bb
6	6 180722M1_7	Standard	150.000	6.30	14996.025	13686.230	13.696	143.5	-4.3	NO		NO	bb
7	7 180722M1_8	Standard	150.000	6.30	13479.578	12172.893	13.842	145.0	-3.3	NO		NO	bb
8	8 180722M1_9	Standard	150.000	6.30	14317.361	11470.704	15.602	163.5	9.0	NO		NO	MM
9	9 180722M1_10	Standard	150.000	6.30	13064.538	10433.934	15.652	164.0	9.3	NO		NO	bb
10	10 180722M1_11	Standard	150.000	6.30	12862.014	9610.834	16.729	175.3	16.8	NO		NO	MM

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Compound name: d9-N-EtFOSE

Response Factor: 0.0981415

RRF SD: 0.00981705, Relative SD: 10.003

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	150.000	6.45	12571.431	11719.839	13.408	136.6	-8.9	NO		NO	bb
2	2 180722M1_3	Standard	150.000	6.45	13289.955	10839.217	15.326	156.2	4.1	NO		NO	bb
3	3 180722M1_4	Standard	150.000	6.45	12393.482	13420.281	11.544	117.6	-21.6	NO		NO	bb
4	4 180722M1_5	Standard	150.000	6.45	13657.382	11548.399	14.783	150.6	0.4	NO		NO	bb
5	5 180722M1_6	Standard	150.000	6.45	13770.965	10965.287	15.698	160.0	6.6	NO		NO	bb
6	6 180722M1_7	Standard	150.000	6.45	15841.062	13686.230	14.468	147.4	-1.7	NO		NO	bb
7	7 180722M1_8	Standard	150.000	6.45	13540.117	12172.893	13.904	141.7	-5.6	NO		NO	bb
8	8 180722M1_9	Standard	150.000	6.45	14220.564	11470.704	15.497	157.9	5.3	NO		NO	bb
9	9 180722M1_10	Standard	150.000	6.45	13411.633	10433.934	16.067	163.7	9.1	NO		NO	bb
10	10 180722M1_11	Standard	150.000	6.45	12699.404	9610.834	16.517	168.3	12.2	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), 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 180722M1_2	Standard	12.500	1.16	4394.433	4394.433	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	1.16	4630.016	4630.016	12.500	12.5	0.0	NO		NO	MM
3	3 180722M1_4	Standard	12.500	1.22	4664.172	4664.172	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	1.16	4619.470	4619.470	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	1.16	4620.487	4620.487	12.500	12.5	0.0	NO		NO	MM
6	6 180722M1_7	Standard	12.500	1.16	5296.776	5296.776	12.500	12.5	0.0	NO		NO	MM
7	7 180722M1_8	Standard	12.500	1.16	5021.276	5021.276	12.500	12.5	0.0	NO		NO	MM
8	8 180722M1_9	Standard	12.500	1.16	5021.779	5021.779	12.500	12.5	0.0	NO		NO	MM
9	9 180722M1_10	Standard	12.500	1.16	4818.362	4818.362	12.500	12.5	0.0	NO		NO	MM
10	10 180722M1_11	Standard	12.500	1.16	4867.865	4867.865	12.500	12.5	0.0	NO		NO	MM

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Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), 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 180722M1_2	Standard	12.500	2.97	6562.833	6562.833	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	2.97	6375.987	6375.987	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	2.97	6462.781	6462.781	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	2.98	6648.709	6648.709	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	2.97	6344.375	6344.375	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	2.98	7113.530	7113.530	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	2.98	6198.511	6198.511	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	2.98	6059.961	6059.961	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	2.98	5572.493	5572.493	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	2.98	5105.473	5105.473	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), 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 180722M1_2	Standard	12.500	3.75	1433.033	1433.033	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	3.75	1495.792	1495.792	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	3.75	1420.464	1420.464	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	3.75	1484.570	1484.570	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	3.75	1497.029	1497.029	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	3.75	1699.720	1699.720	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	3.75	1430.095	1430.095	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	3.75	1429.589	1429.589	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	3.75	1337.662	1337.662	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	3.75	1291.060	1291.060	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), 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 180722M1_2	Standard	12.500	4.12	7102.491	7102.491	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.12	7127.643	7127.643	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.12	7591.708	7591.708	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.12	7219.790	7219.790	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.12	7389.634	7389.634	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.13	8183.043	8183.043	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.13	7370.463	7370.463	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.13	7608.689	7608.689	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.13	6827.281	6827.281	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.13	6378.209	6378.209	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), 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 180722M1_2	Standard	12.500	4.56	7009.710	7009.710	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.56	6975.978	6975.978	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.56	7765.359	7765.359	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.56	7291.905	7291.905	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.56	7479.989	7479.989	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.57	8273.273	8273.273	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.57	7577.519	7577.519	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.57	7403.840	7403.840	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.57	7521.833	7521.833	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.57	6496.952	6496.952	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 65), 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 180722M1_2	Standard	12.500	4.65	1587.881	1587.881	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.65	1657.402	1657.402	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.65	1764.405	1764.405	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.65	1708.818	1708.818	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.65	1606.992	1606.992	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.66	1840.696	1840.696	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.66	1590.181	1590.181	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.66	1715.902	1715.902	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.66	1667.812	1667.812	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.67	1450.429	1450.429	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), 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 180722M1_2	Standard	12.500	4.94	7949.151	7949.151	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	4.94	7876.177	7876.177	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	4.94	9396.324	9396.324	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	4.95	8151.033	8151.033	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	4.94	7938.420	7938.420	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	4.95	9610.109	9610.109	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	4.95	8495.826	8495.826	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	4.95	8478.309	8478.309	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	4.95	7969.225	7969.225	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	4.95	7477.605	7477.605	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C7-PFUDa

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 67), 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 180722M1_2	Standard	12.500	5.27	11719.839	11719.839	12.500	12.5	0.0	NO		NO	bb
2	2 180722M1_3	Standard	12.500	5.27	10839.217	10839.217	12.500	12.5	0.0	NO		NO	bb
3	3 180722M1_4	Standard	12.500	5.27	13420.281	13420.281	12.500	12.5	0.0	NO		NO	bb
4	4 180722M1_5	Standard	12.500	5.27	11548.399	11548.399	12.500	12.5	0.0	NO		NO	bb
5	5 180722M1_6	Standard	12.500	5.27	10965.287	10965.287	12.500	12.5	0.0	NO		NO	bb
6	6 180722M1_7	Standard	12.500	5.28	13686.230	13686.230	12.500	12.5	0.0	NO		NO	bb
7	7 180722M1_8	Standard	12.500	5.28	12172.893	12172.893	12.500	12.5	0.0	NO		NO	bb
8	8 180722M1_9	Standard	12.500	5.28	11470.704	11470.704	12.500	12.5	0.0	NO		NO	bb
9	9 180722M1_10	Standard	12.500	5.28	10433.934	10433.934	12.500	12.5	0.0	NO		NO	bb
10	10 180722M1_11	Standard	12.500	5.28	9610.834	9610.834	12.500	12.5	0.0	NO		NO	bb

Compound name: Total PFHxS

Coefficient of Determination: 0.000000

Calibration curve: $1.00174 * x + -0.304323$

Response type: Internal Std (Ref 42), 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 180722M1_2	Standard	0.250		20.617	679.076	0.380	0.3		NO	0.000	NO	
2	2 180722M1_3	Standard	0.500		46.774	738.893	0.791	0.5		NO	0.000	NO	
3	3 180722M1_4	Standard	1.000		83.952	683.374	1.536	1.0		NO	0.000	NO	
4	4 180722M1_5	Standard	2.000		163.697	736.333	2.779	1.7		NO	0.000	NO	
5	5 180722M1_6	Standard	5.000		450.216	672.098	8.373	5.0		NO	0.000	NO	
6	6 180722M1_7	Standard	10.000		1105.250	866.225	15.949	9.5		NO	0.000	NO	
7	7 180722M1_8	Standard	50.000		4770.206	692.914	86.053	51.0		NO	0.000	NO	
8	8 180722M1_9	Standard	100.000		9209.647	749.597	153.577	90.8		NO	0.000	NO	
9	9 180722M1_10	Standard	250.000		22501.125	625.877	449.392	264.4		NO	0.000	NO	
10	10 180722M1_11	Standard	500.000		41465.559	612.896	845.689	494.6		NO	0.000	NO	

dm 7/23/18

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:49:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9999	NO	
2	2 PFPeA	37	1.0000	NO	
3	3 PFBS	38	0.9997	NO	
4	4 4:2 FTS	39	0.9990	NO	
5	5 PFHxA	40	0.9999	NO	
6	6 PFPeS	38	0.9999	NO	
7	7 PFHpA	41	0.9997	NO	
8	8 L-PFHxS	42	0.9980	NO	
9	10 6:2 FTS	43	0.9994	NO	
10	11 L-PFOA	44	0.9996	NO	
11	13 PFHpS	47	0.9991	NO	
12	14 PFNA	45	0.9995	NO	
13	15 PFOSA	46	0.9994	NO	
14	16 L-PFOS	47	0.9983	NO	
15	18 PFDA	48	0.9998	NO	
16	19 8:2 FTS	49	0.9988	NO	
17	20 PFNS	47	0.9954	NO	
18	21 L-MeFOSAA	50	0.9976	NO	
19	23 L-EtFOSAA	51	0.9993	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:49:32 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	52	0.9999	NO	
2	26 PFDS	52	0.9997	NO	
3	27 PFDoA	53	0.9998	NO	
4	28 N-MeFOSA	54	0.9999	NO	
5	29 PFTrDA	53	0.9998	NO	
6	30 PFTeDA	55	0.9999	NO	
7	31 N-EtFOSA	56	0.9987	NO	
8	32 PFHxDA	57	0.9996	NO	
9	33 PFODA	57	0.9983	NO	
10	34 N-MeFOSE	58	0.9996	NO	
11	35 N-EtFOSE	59	0.9995	NO	
12	36 13C3-PFBA	60		NO	1.361
13	37 13C3-PFPeA	61		NO	2.155
14	38 13C3-PFBS	61		NO	3.152
15	39 13C2-4:2 FTS	61		NO	17.408
16	40 13C2-PFHxA	61		NO	5.261
17	41 13C4-PFHpA	61		NO	2.381
18	42 18O2-PFHxS	62		NO	4.444
19	43 13C2-6:2 FTS	63		NO	10.920
20	44 13C2-PFOA	63		NO	3.800
21	45 13C5-PFNA	64		NO	3.670
22	46 13C8-PFOSA	67		NO	6.038
23	47 13C8-PFOS	65		NO	5.806
24	48 13C2-PFDA	66		NO	3.960
25	49 13C2-8:2 FTS	61		NO	17.779
26	50 d3-N-MeFOSAA	67		NO	13.833
27	51 d5-N-EtFOSAA	67		NO	8.027
28	52 13C2-PFUdA	67		NO	3.616
29	53 13C2-PFDoA	66		NO	3.889
30	54 d3-N-MeFOSA	67		NO	6.389
31	55 13C2-PFTeDA	67		NO	4.956

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:49:32 Pacific Daylight Time

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
32	56 d5-N-ETFOSA	67		NO	6.121
33	57 13C2-PFHxDA	67		NO	10.450
34	58 d7-N-MeFOSE	67		NO	9.551
35	59 d9-N-EtFOSE	67		NO	10.003
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUdA	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:52:05 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	3.002	NO
4	4:2 FTS	1.755	NO
5	PFHxA	176.733	NO
6	PFPeS	1.568	NO
7	PFHpA	15.563	NO
8	L-PFHxS	2.006	NO
9	6:2 FTS	2.984	NO
10	L-PFOA	3.952	NO
11	PFHpS	2.073	NO
12	PFNA	4.199	NO
13	PFOSA	54.813	NO
14	L-PFOS	1.831	NO
15	PFDA	5.628	NO
16	8:2 FTS	2.385	NO
17	PFNS	1.734	NO
18	L-MeFOSAA	19.553	NO
19	L-EtFOSAA	24.124	NO

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:52:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	Name	Ion Ratio	Ratio out?
1	PFUdA	11.928	NO
2	PFDS	1.925	NO
3	PFDoA	8.984	NO
4	N-MeFOSA	1.467	NO
5	PFTTrDA	26.265	NO
6	PFTeDA	11.698	NO
7	N-EtFOSA	1.431	NO
8	PFHxDA	22.848	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Monday, July 23, 2018 09:56:22 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:56:32 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
1	1 180722M1_1	IPA	22-Jul-18	16:15:55
2	2 180722M1_2	ST180722M1-1 PFC CS-2 18G1910	22-Jul-18	16:26:28
3	3 180722M1_3	ST180722M1-2 PFC CS-1 18G1911	22-Jul-18	16:36:58
4	4 180722M1_4	ST180722M1-3 PFC CS0 18G1912	22-Jul-18	16:52:46
5	5 180722M1_5	ST180722M1-4 PFC CS1 18G1913	22-Jul-18	17:03:11
6	6 180722M1_6	ST180722M1-5 PFC CS2 18G1914	22-Jul-18	17:13:42
7	7 180722M1_7	ST180722M1-6 PFC CS3 18G1915	22-Jul-18	17:24:07
8	8 180722M1_8	ST180722M1-7 PFC CS4 18G1916	22-Jul-18	17:34:37
9	9 180722M1_9	ST180722M1-8 PFC CS5 18G1917	22-Jul-18	17:45:02
10	10 180722M1_10	ST180722M1-9 PFC CS6 18G1918	22-Jul-18	17:55:32
11	11 180722M1_11	ST180722M1-10 PFC CS7 18G1919	22-Jul-18	18:05:57
12	12 180722M1_12	IPA	22-Jul-18	18:16:27
13	13 180722M1_13	ICV180722M1-1 PFC 537 ICV 18G1920	22-Jul-18	18:26:51
14	14 180722M1_14	IPA	22-Jul-18	18:37:21

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 22 Jul 2018 11:41:30

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:34:45

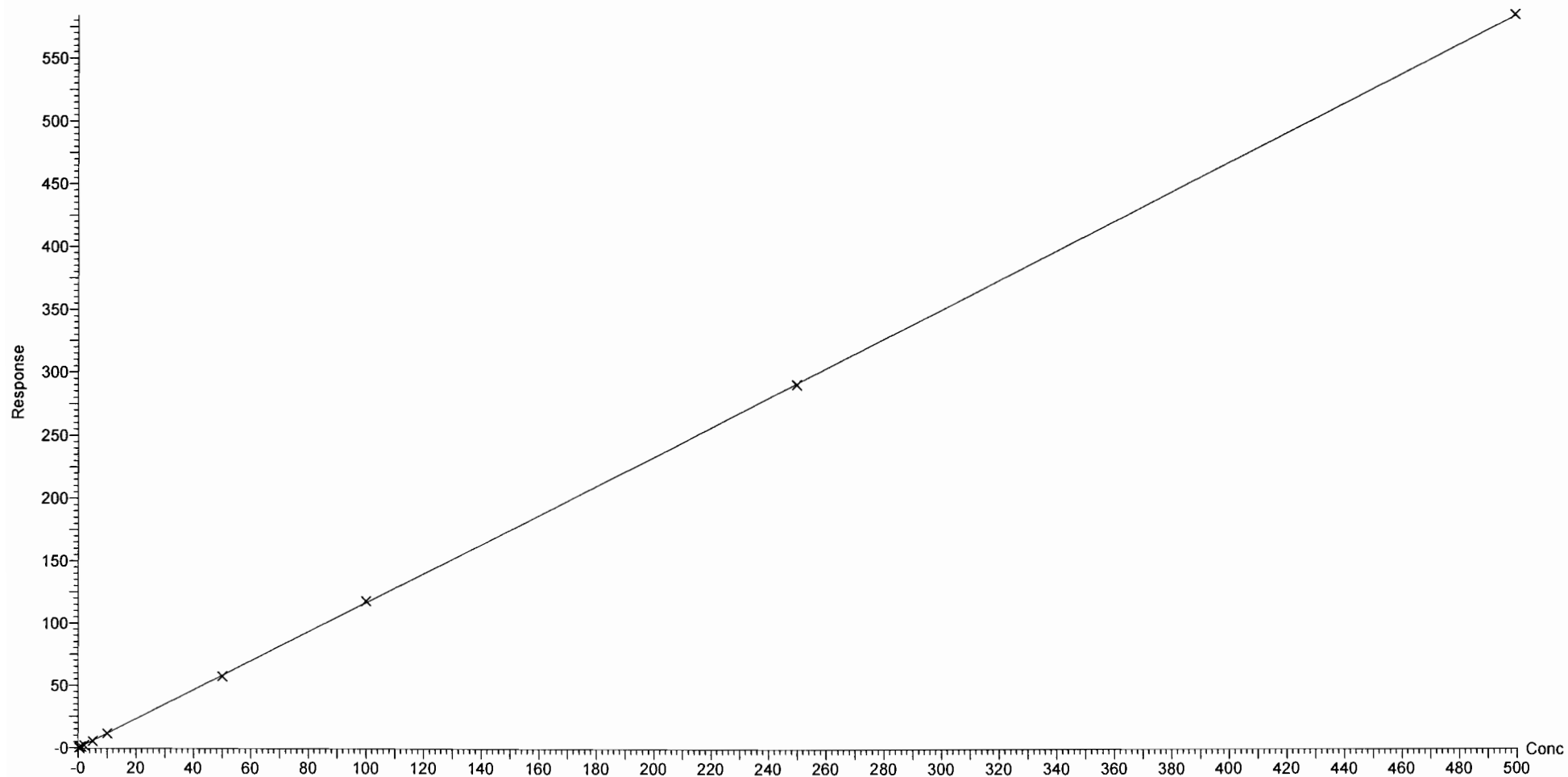
Compound name: PFBA

Correlation coefficient: $r = 0.999969$, $r^2 = 0.999938$

Calibration curve: $1.16573 * x + -0.0404481$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

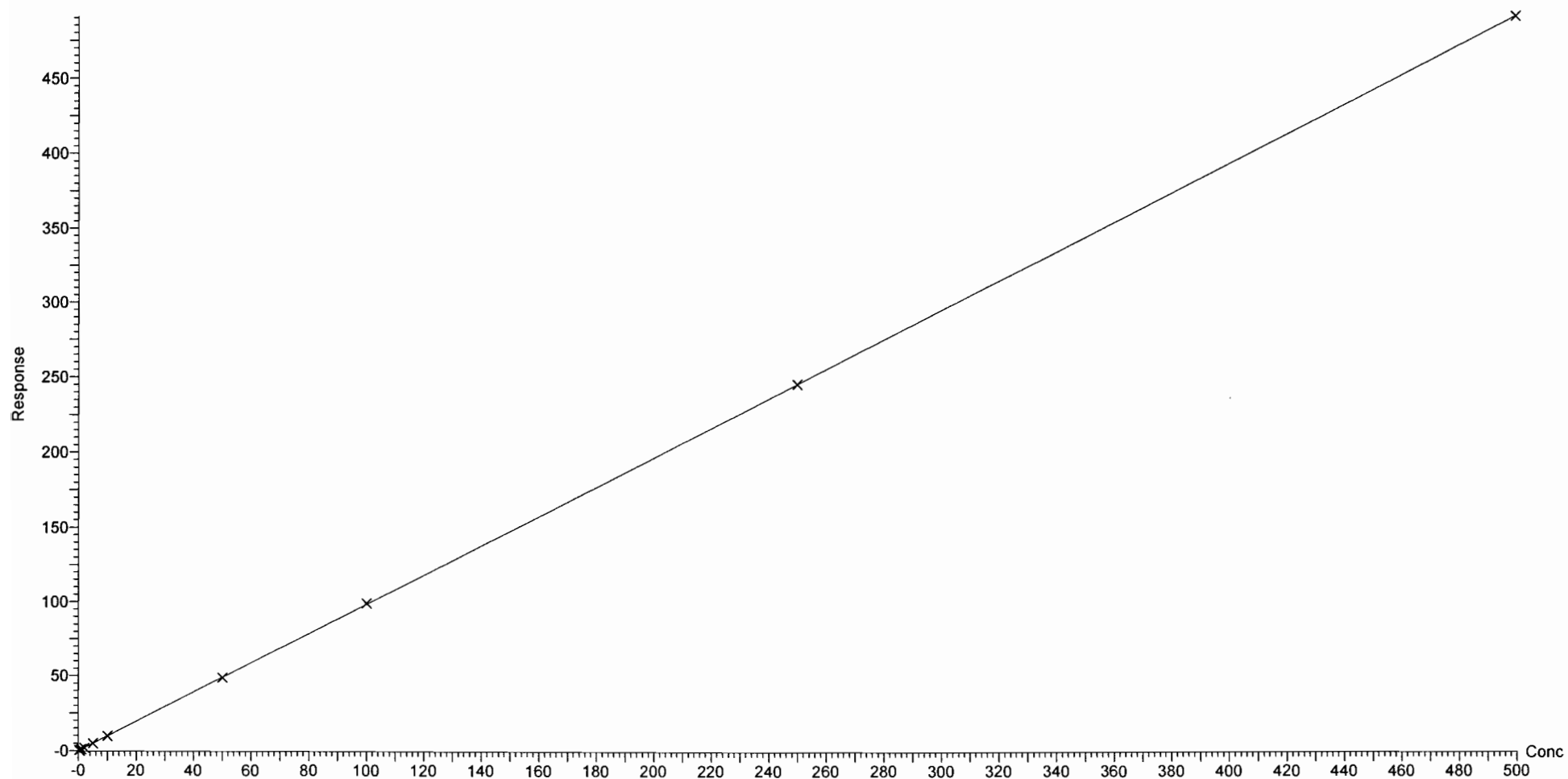
Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999975$

Calibration curve: $-5.48732e-006 * x^2 + 0.9841 * x + -0.0227769$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

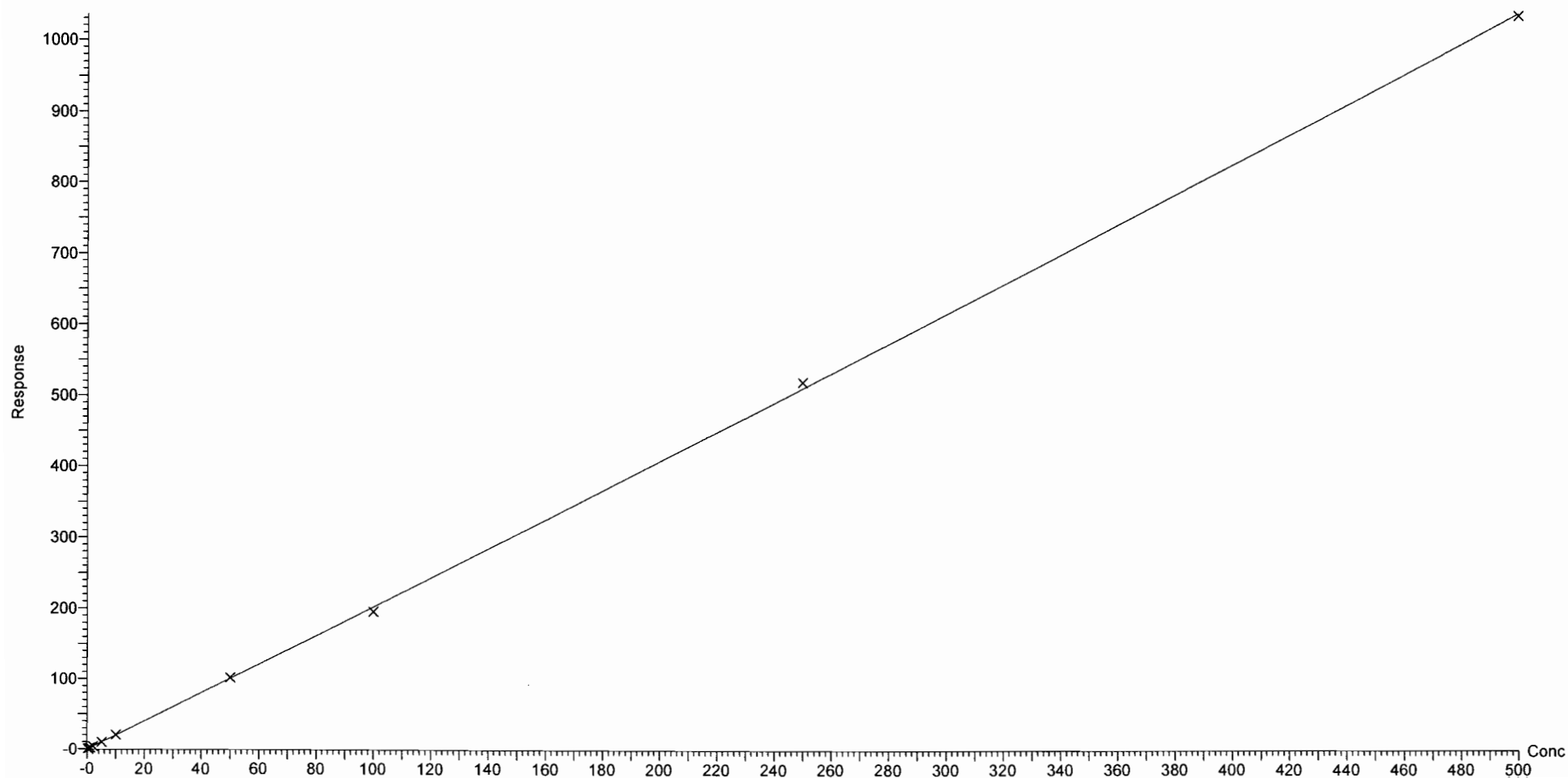
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999724$

Calibration curve: $0.00011696 * x^2 + 2.01281 * x + -0.138219$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

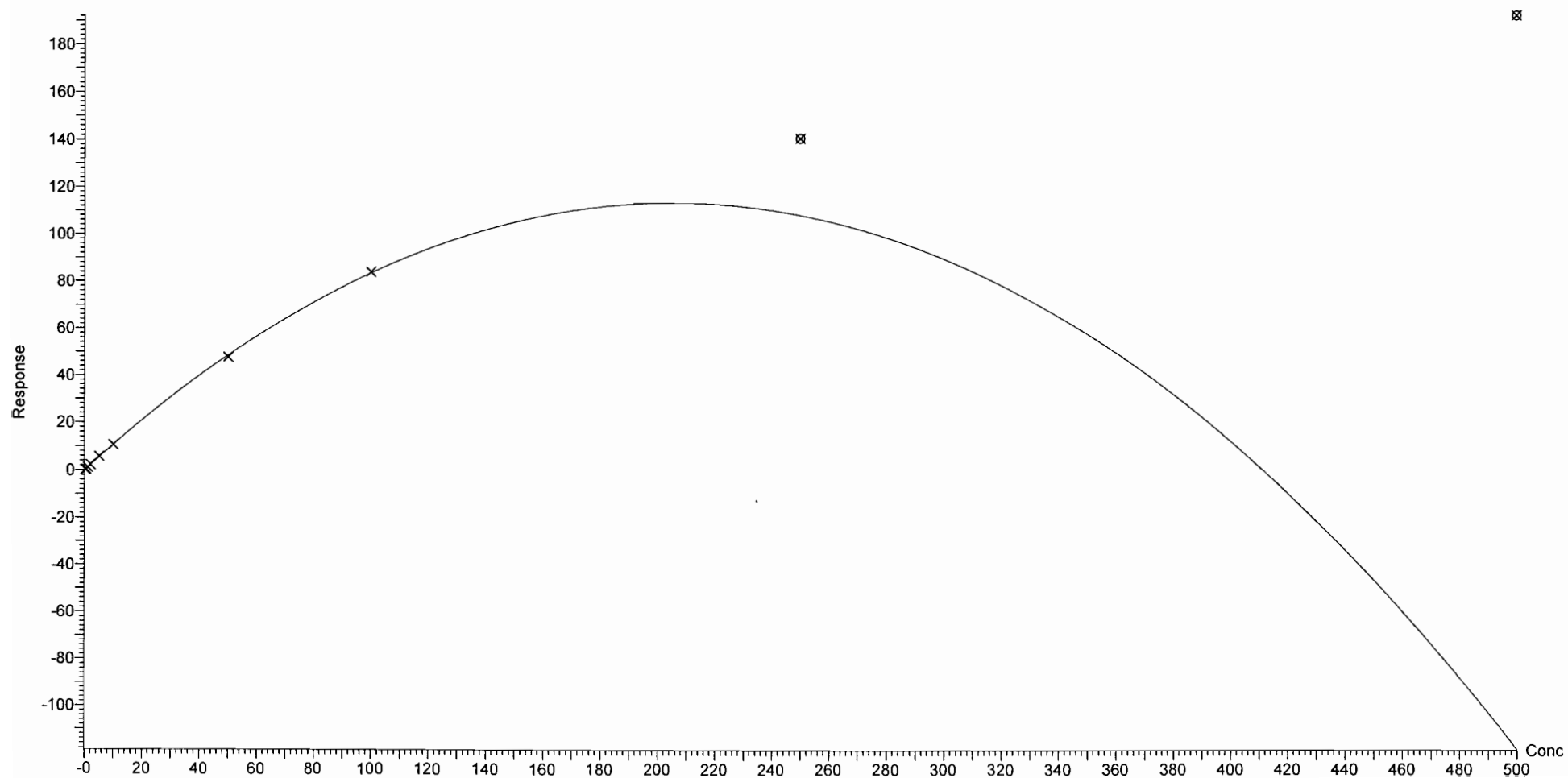
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999017$

Calibration curve: $-0.00268026 * x^2 + 1.10306 * x + -0.0375565$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

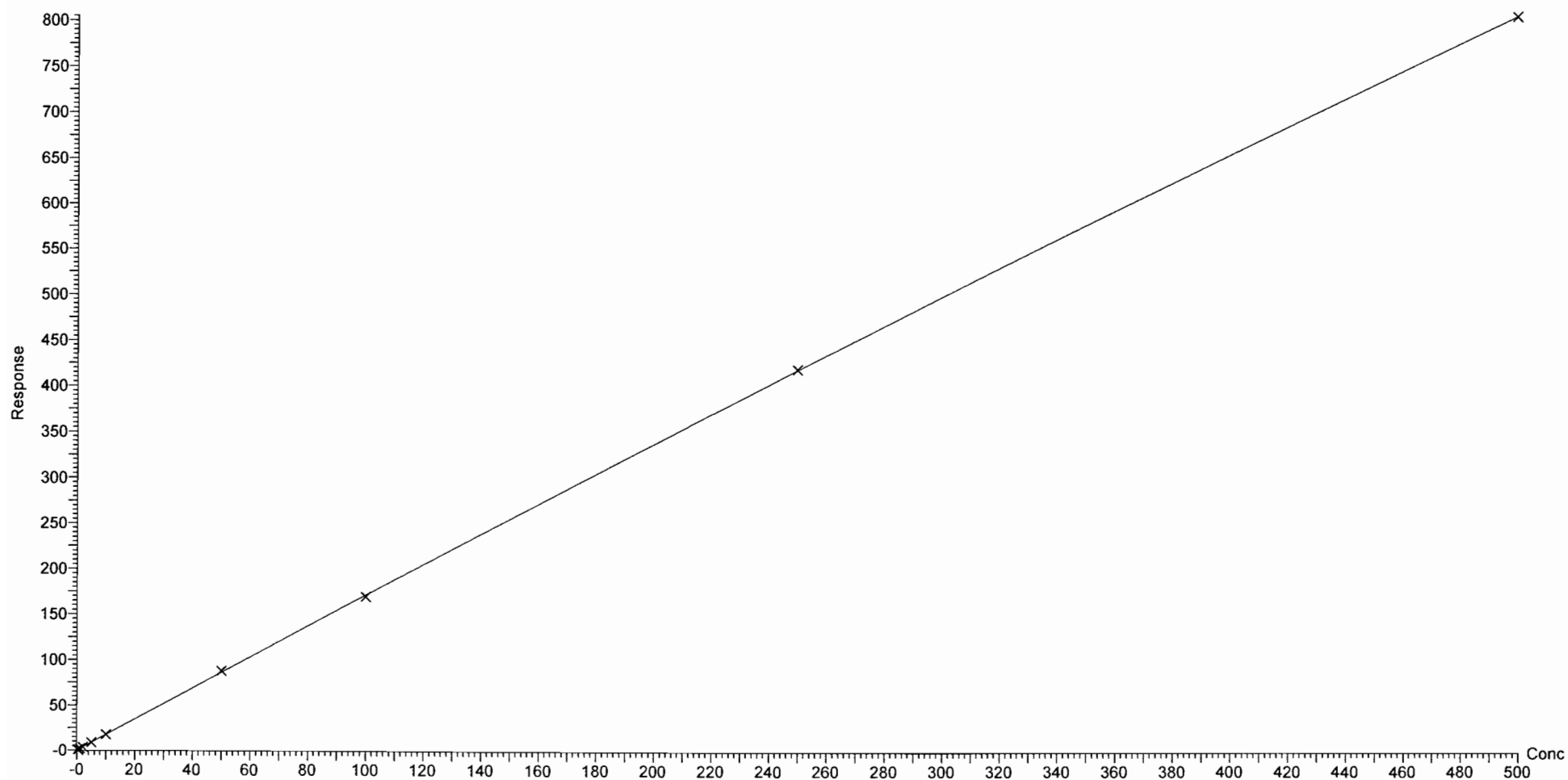
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999921$

Calibration curve: $-0.000257964 * x^2 + 1.73907 * x + -0.00285664$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

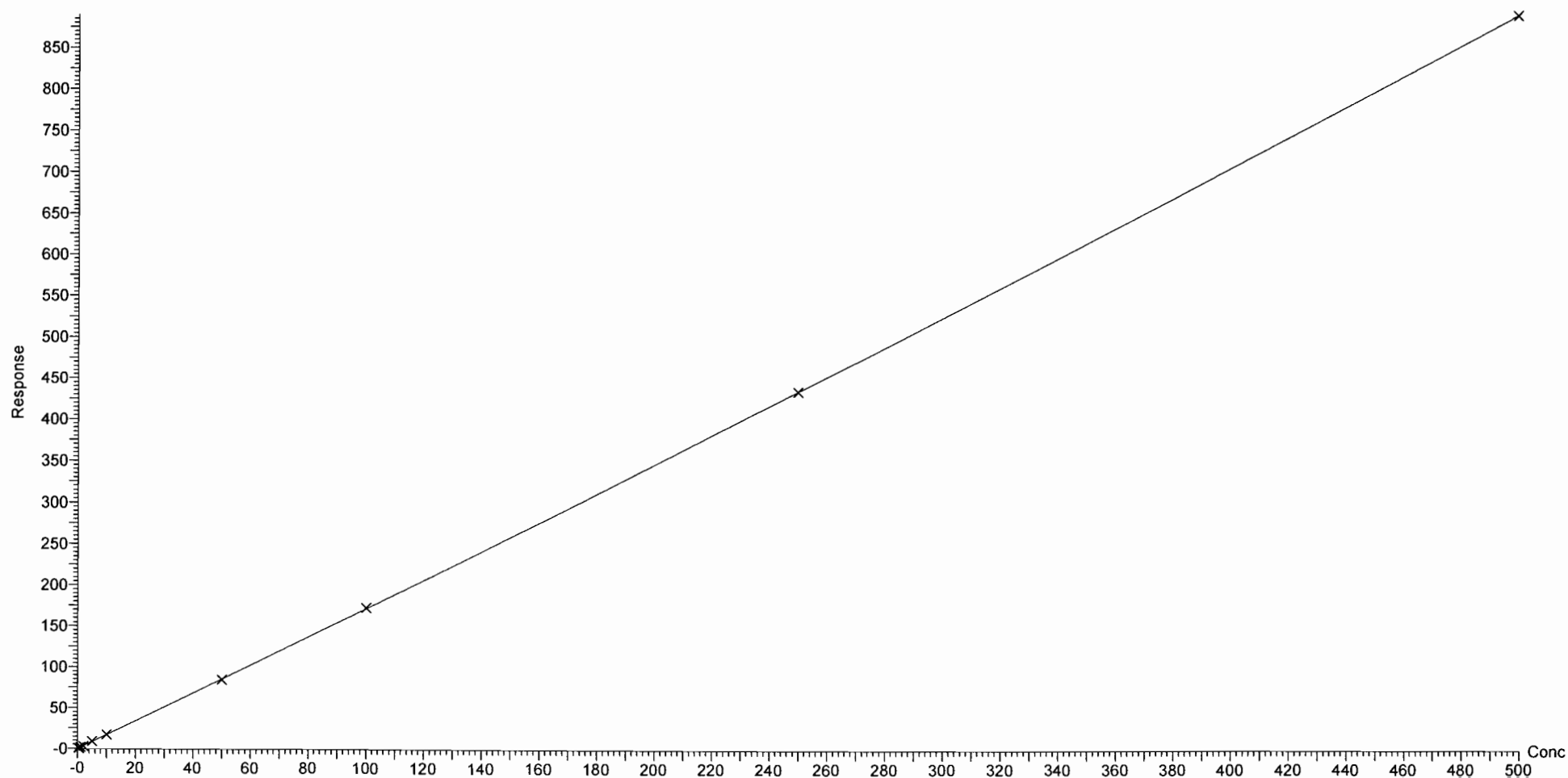
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999871$

Calibration curve: $0.000160381 * x^2 + 1.69863 * x + -0.0653169$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

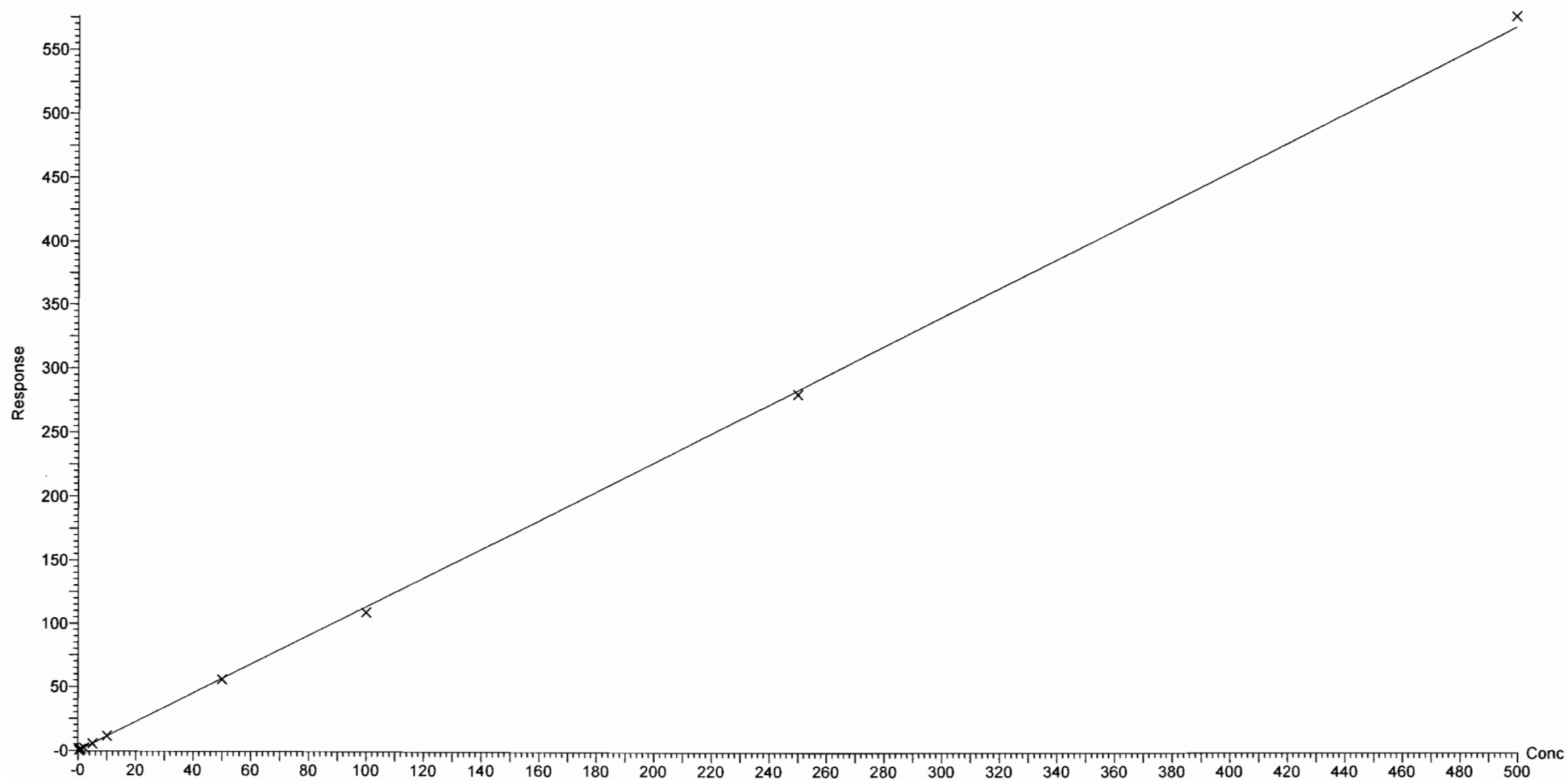
Compound name: PFHpA

Correlation coefficient: $r = 0.999826$, $r^2 = 0.999652$

Calibration curve: $1.13539 * x + -0.0190825$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

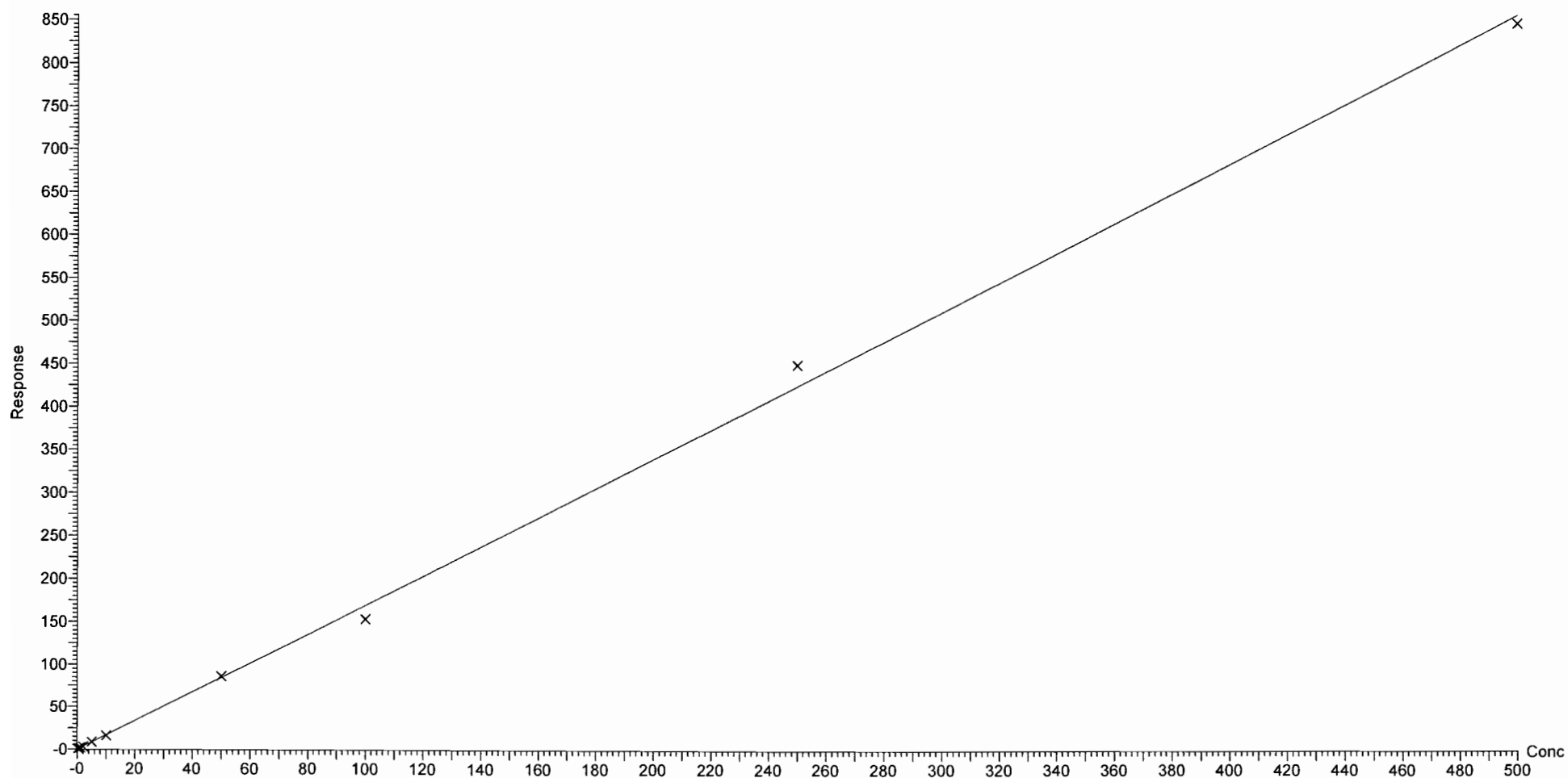
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.997983$

Calibration curve: $4.53494e-005 * x^2 + 1.68764 * x + -0.0740949$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

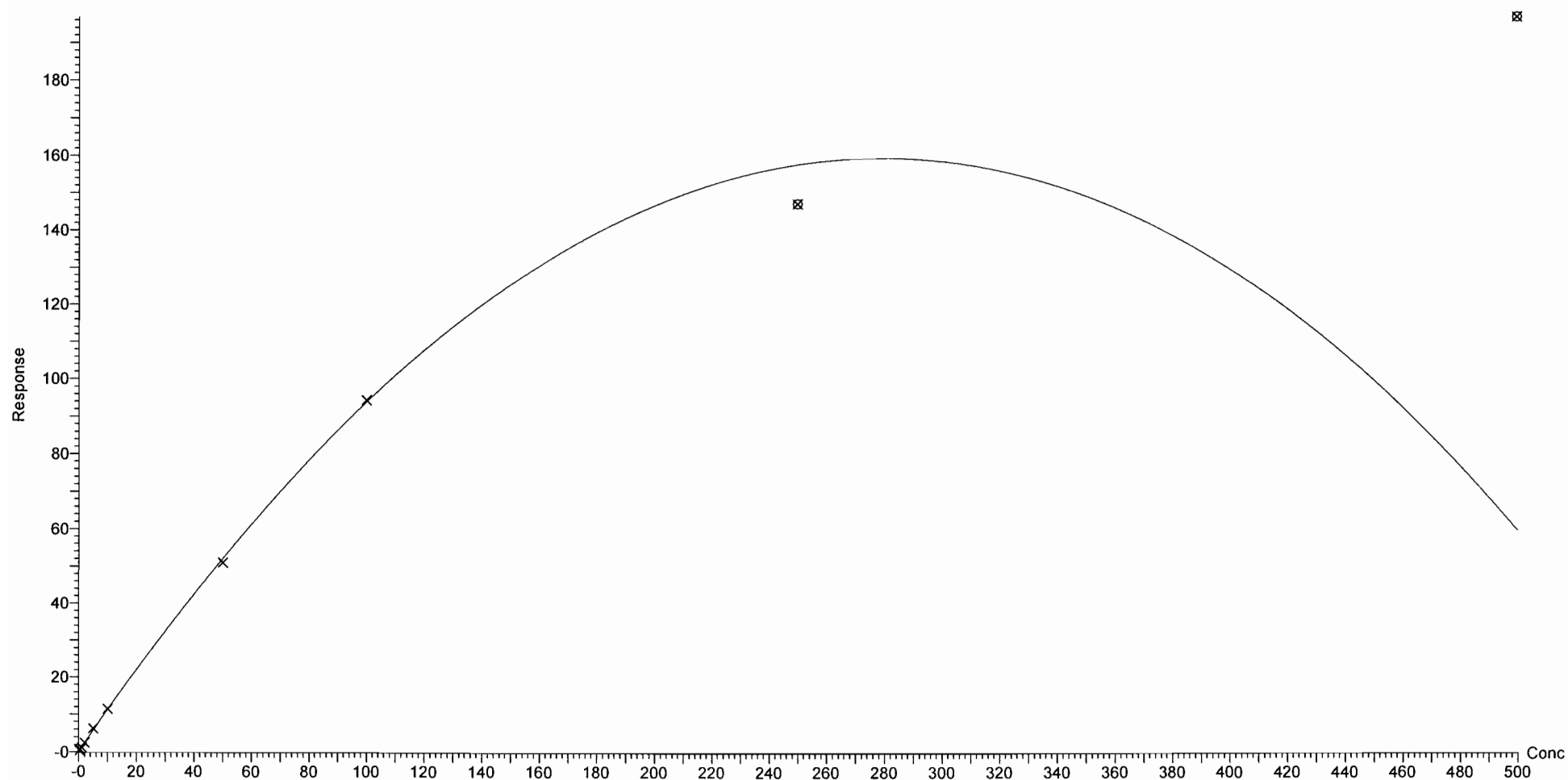
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999353$

Calibration curve: $-0.00204515 * x^2 + 1.14169 * x + 0.0810906$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

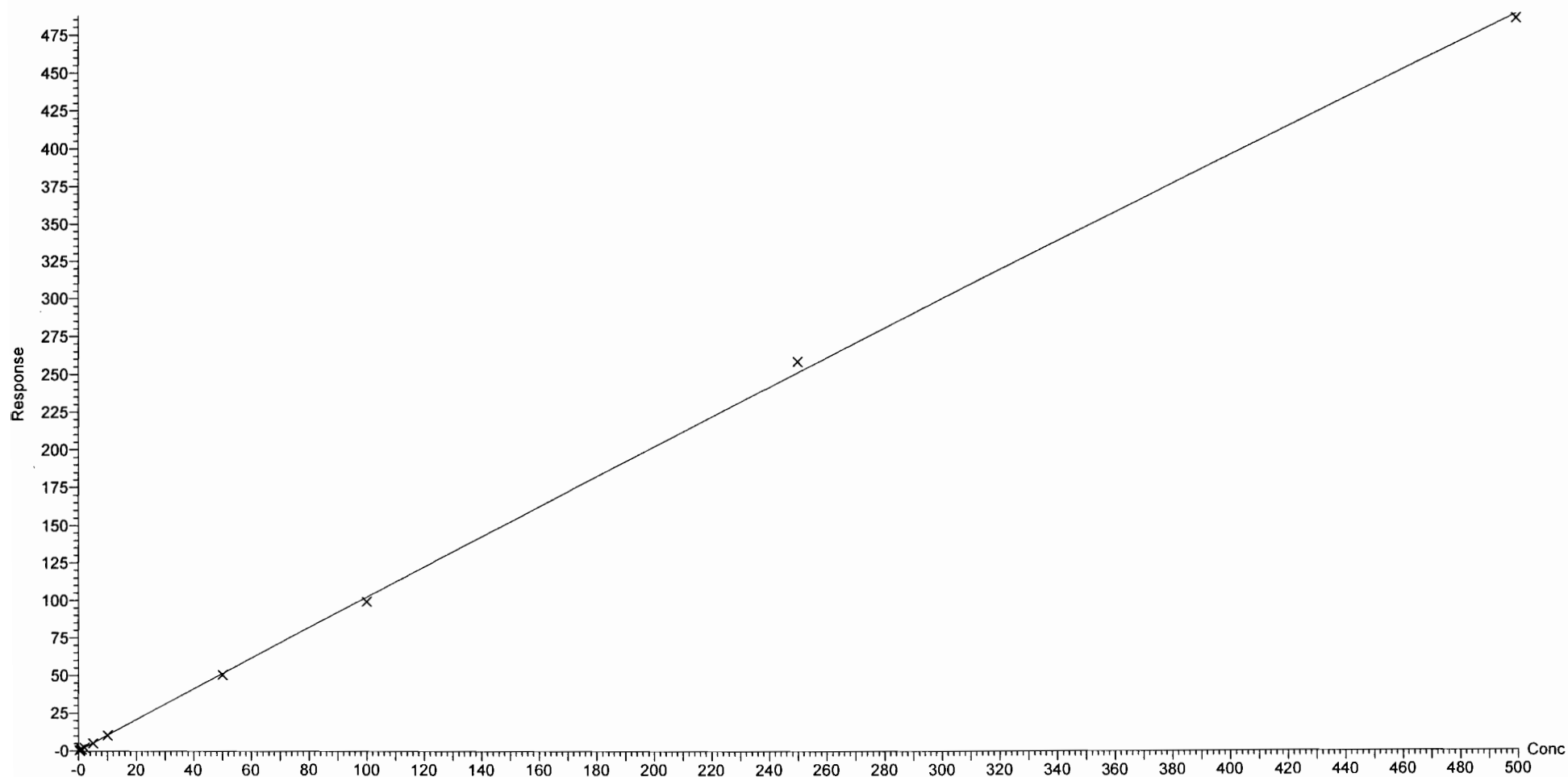
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999578$

Calibration curve: $-0.000117465 * x^2 + 1.03357 * x + 0.044274$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

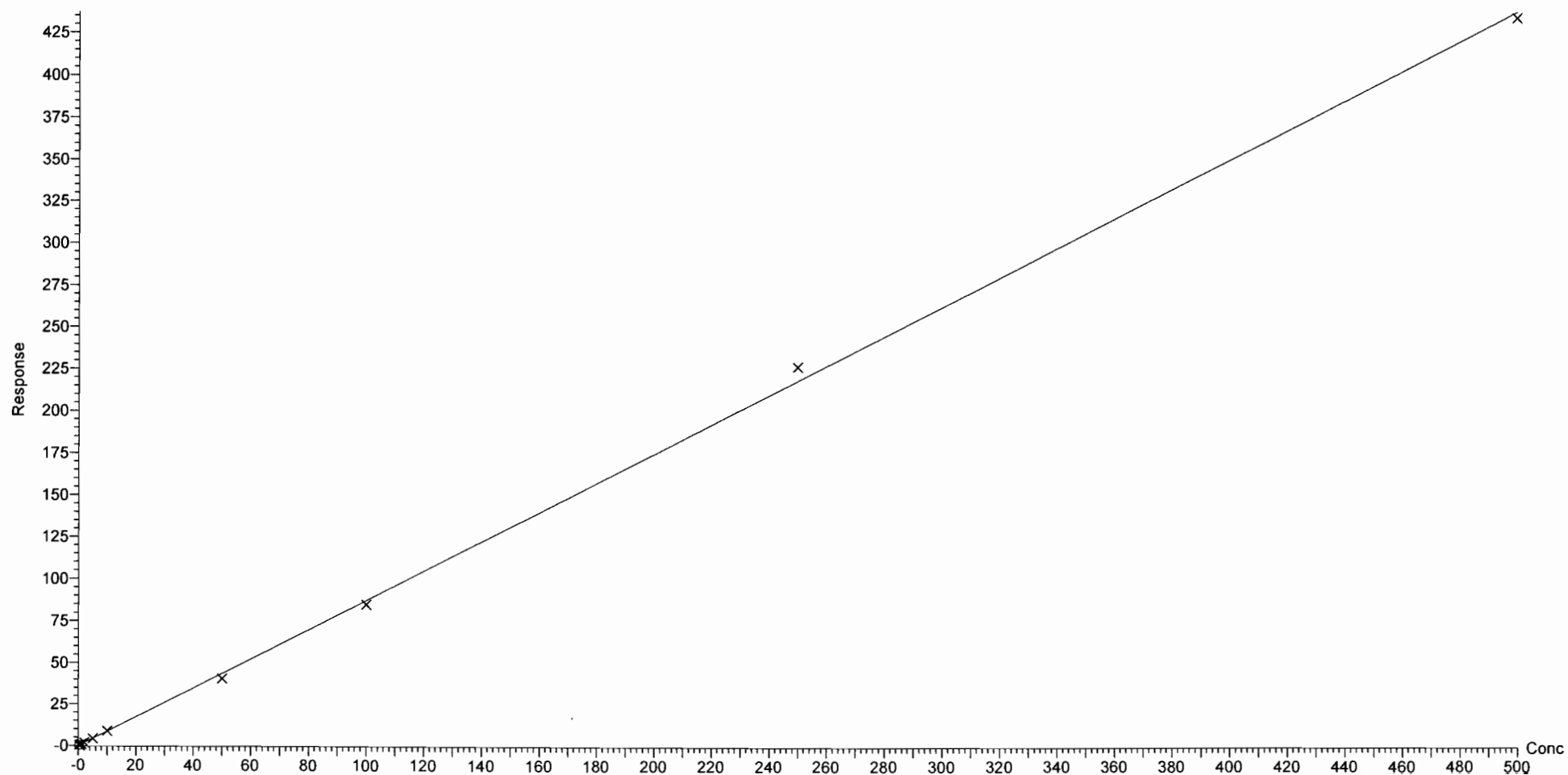
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999098$

Calibration curve: $1.82417e-006 * x^2 + 0.873279 * x + -0.116609$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

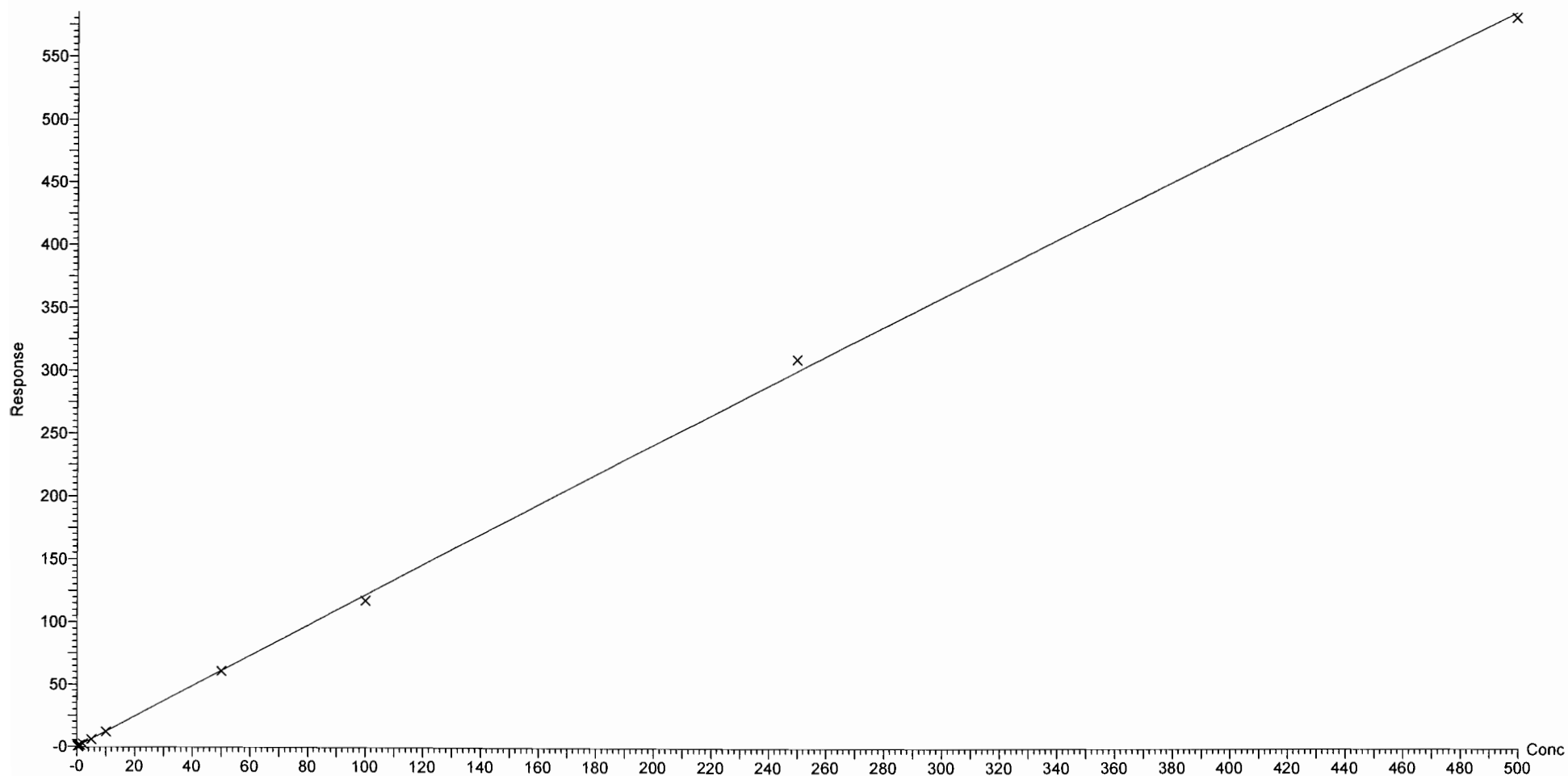
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999466$

Calibration curve: $-0.000126182 * x^2 + 1.23307 * x + -0.0417715$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

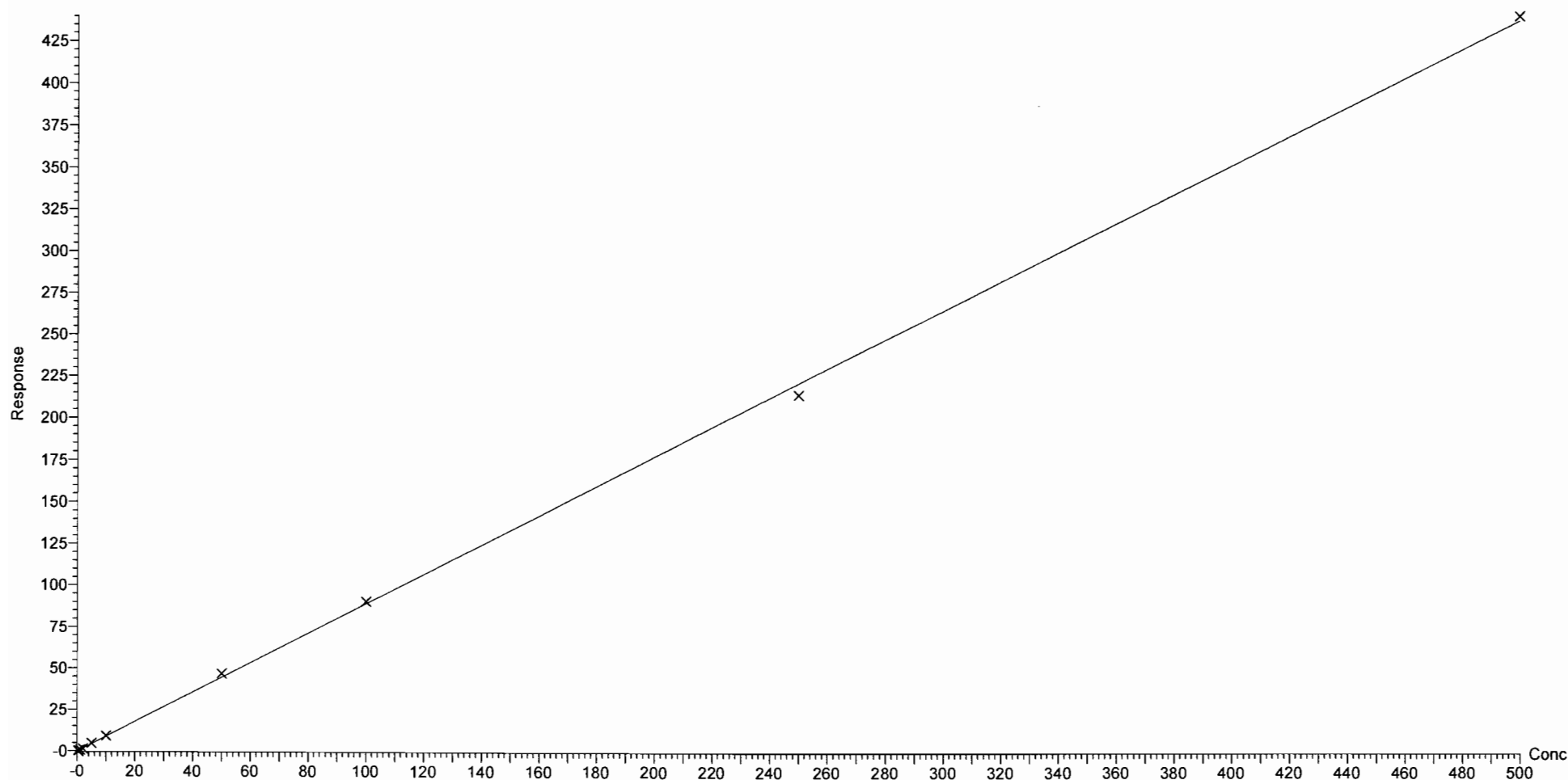
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999386$

Calibration curve: $-4.04834e-005 * x^2 + 0.894851 * x + -0.0805142$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

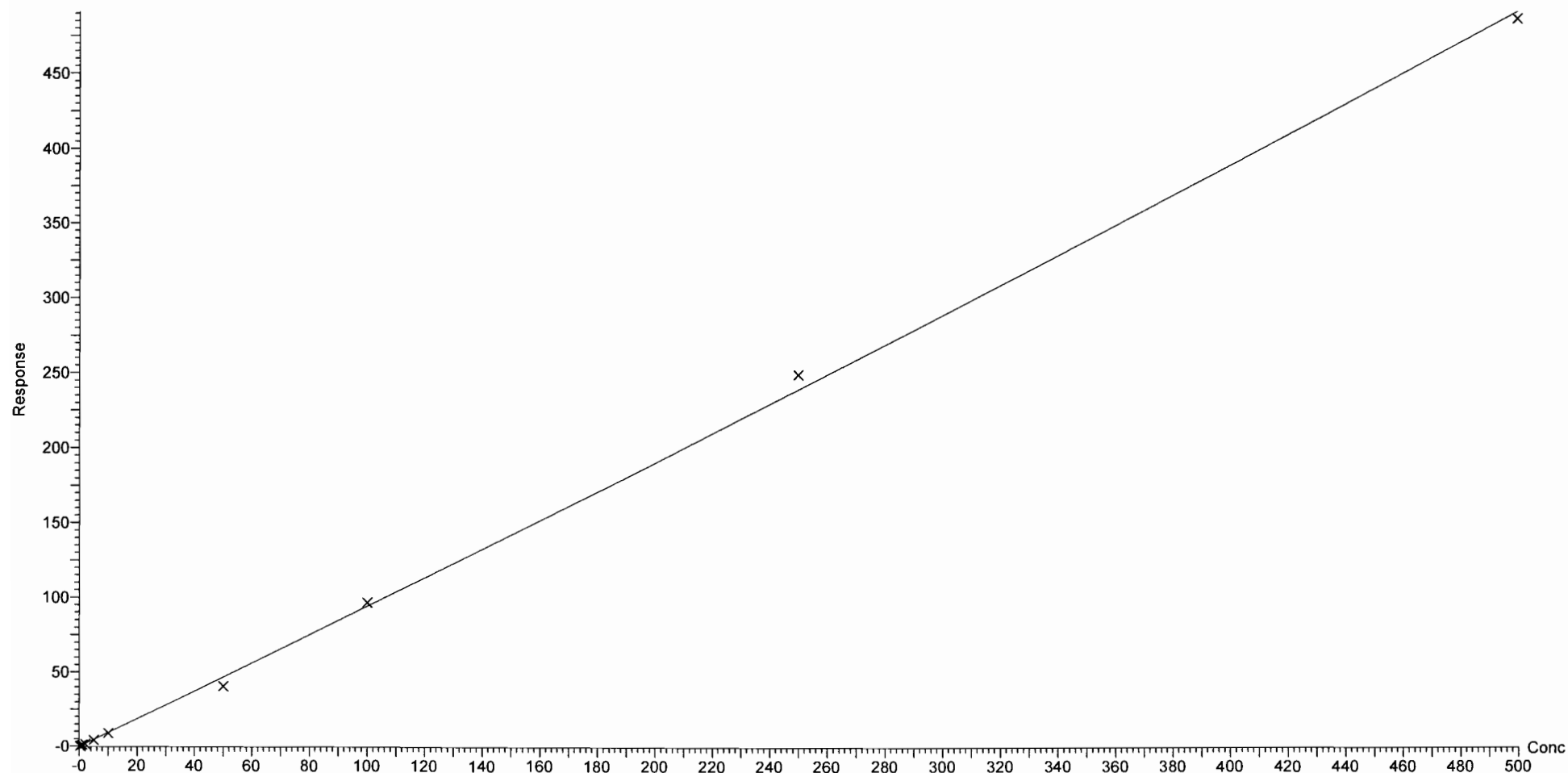
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.998337$

Calibration curve: $9.70021e-005 * x^2 + 0.933231 * x + -0.110609$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

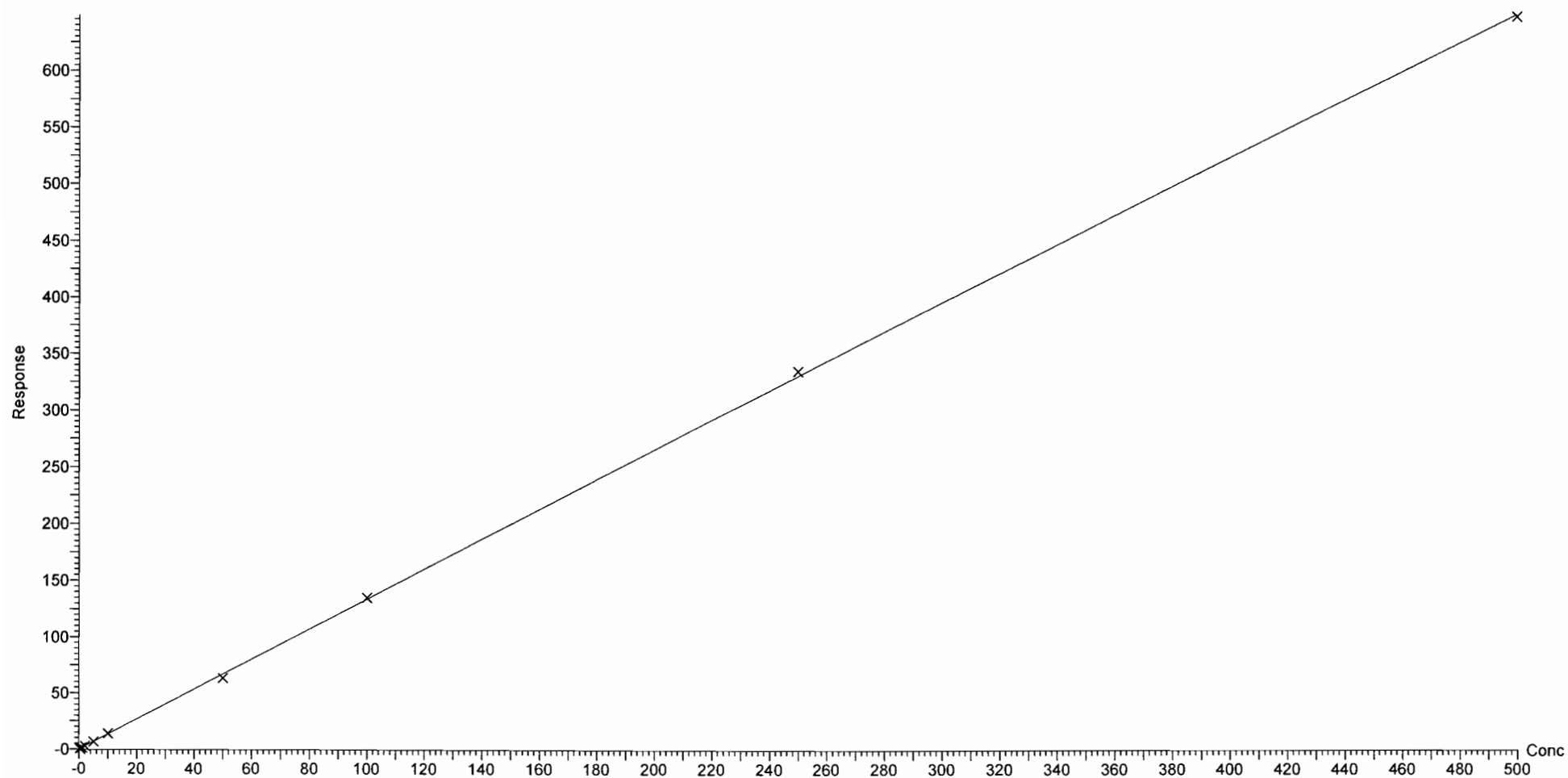
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999763$

Calibration curve: $-0.000102484 * x^2 + 1.34808 * x + -0.0353054$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

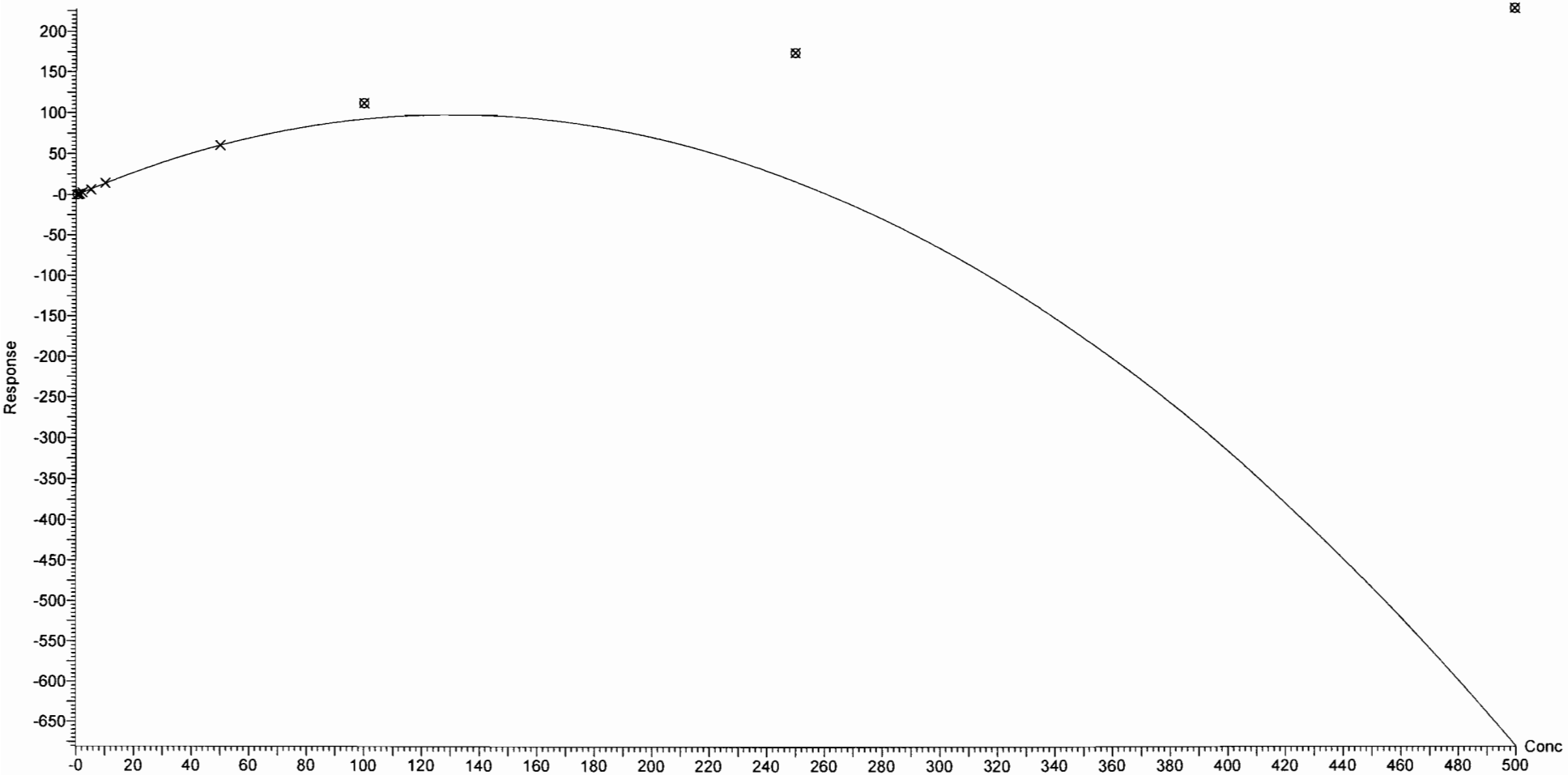
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time
Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

Compound name: 8:2 FTS
Coefficient of Determination: $R^2 = 0.998823$
Calibration curve: $-0.00571889 \cdot x^2 + 1.49983 \cdot x + -0.473625$
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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

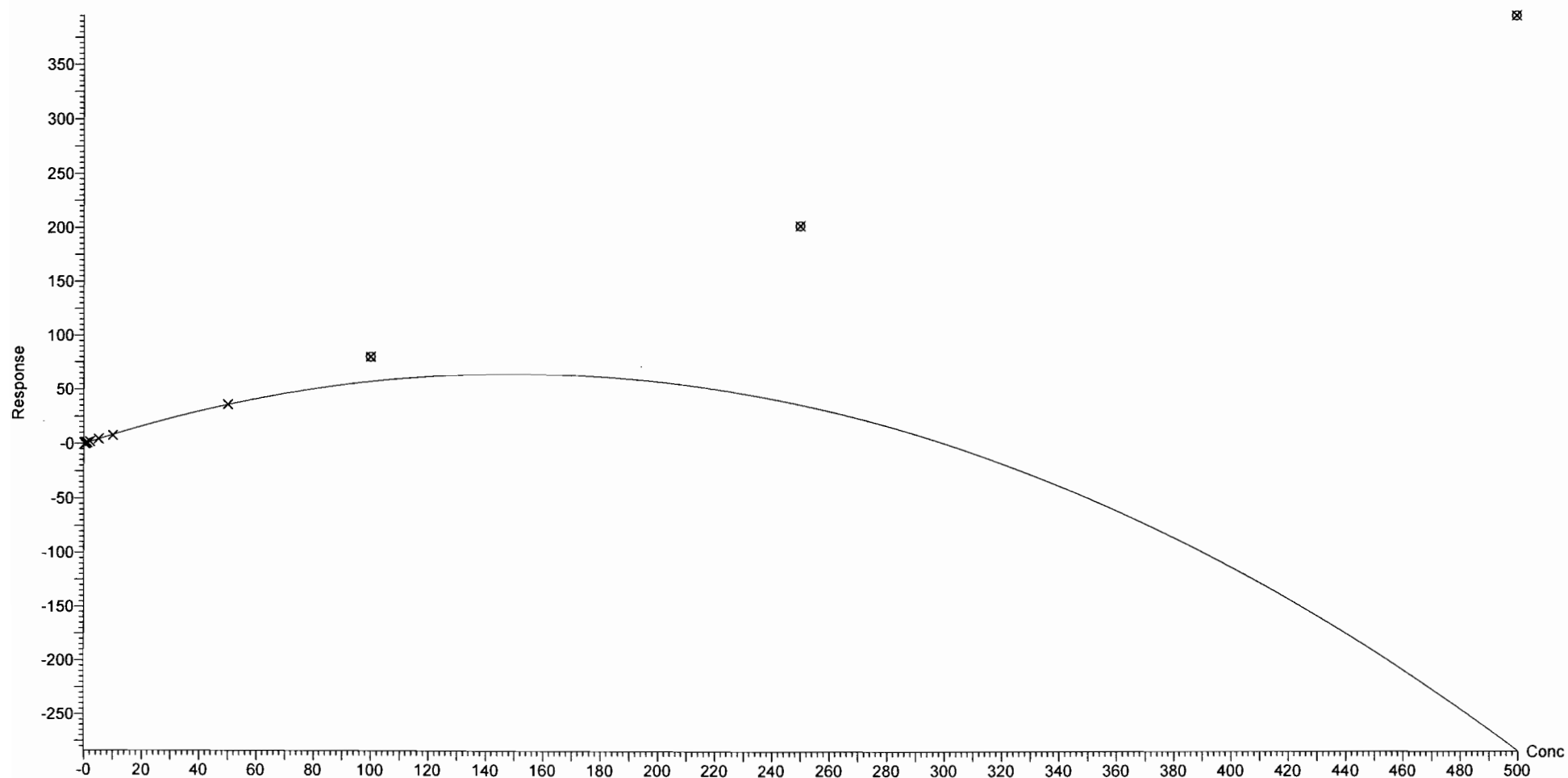
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.995437$

Calibration curve: $-0.00285485 * x^2 + 0.860288 * x + -0.127946$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

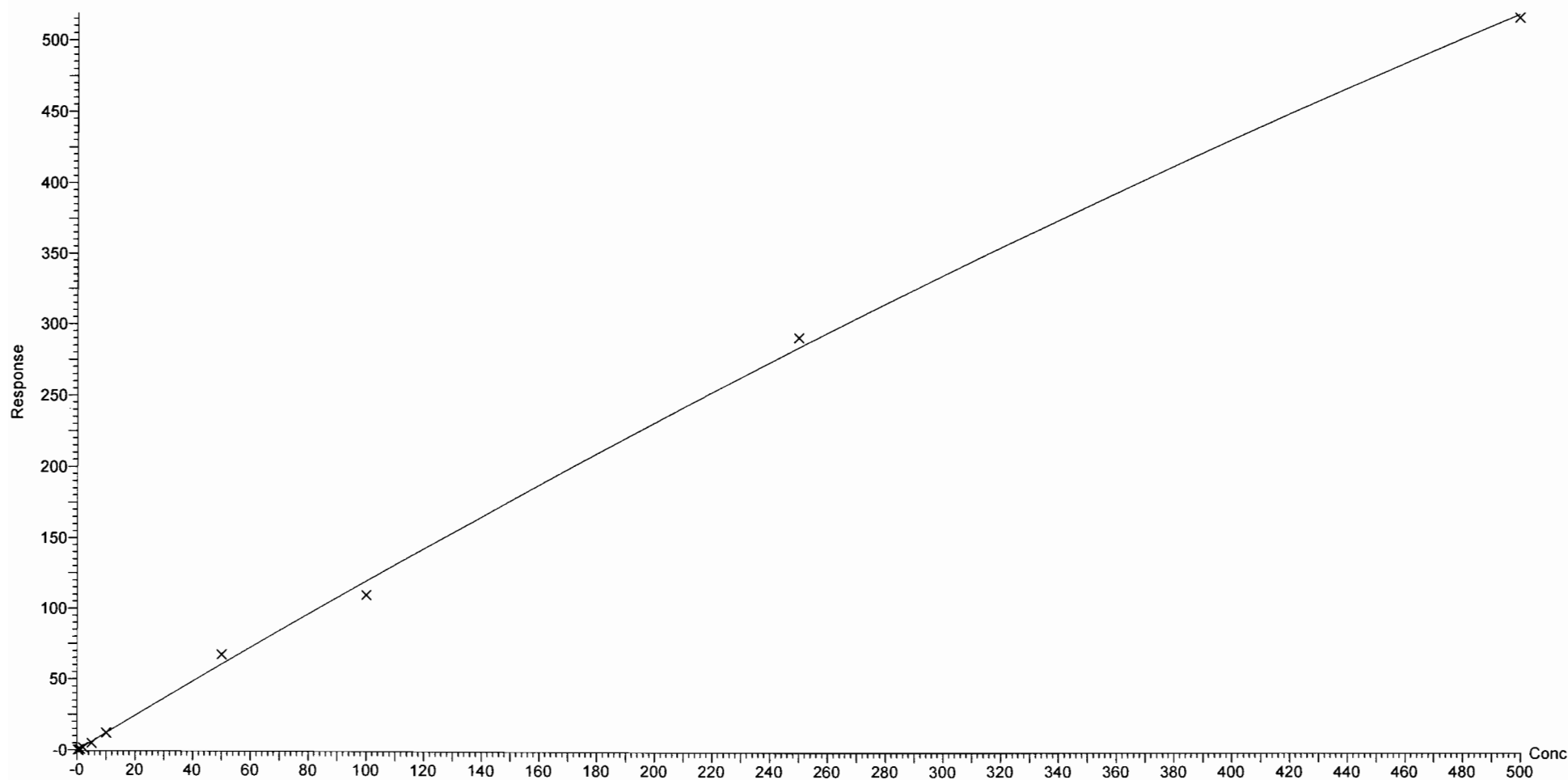
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.997572$

Calibration curve: $-0.000405133 * x^2 + 1.24015 * x + -0.170572$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:04 Pacific Daylight Time

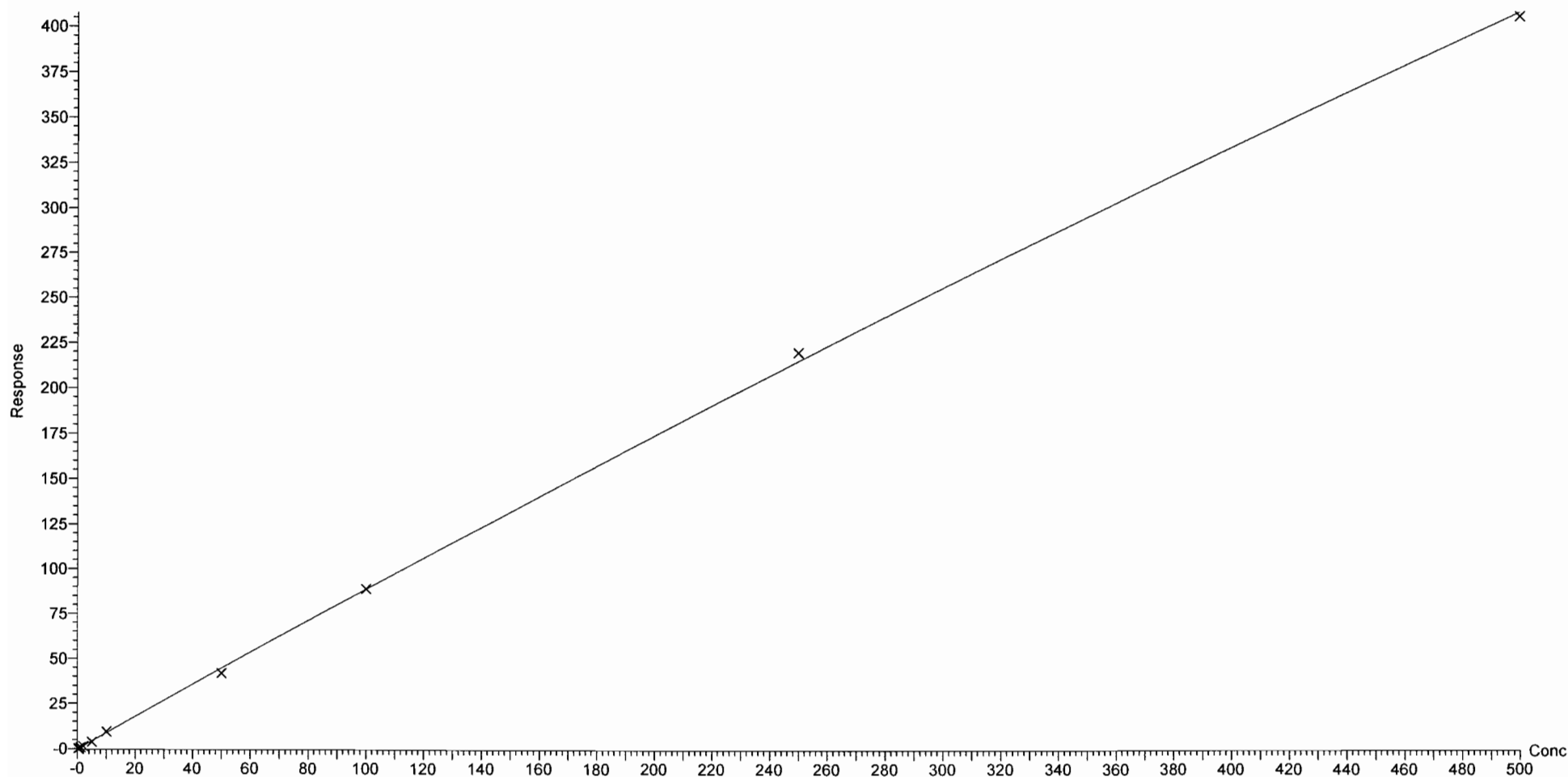
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999321$

Calibration curve: $-0.000183845 * x^2 + 0.907528 * x + -0.219391$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 22 Jul 2018 11:41:30

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:34:45

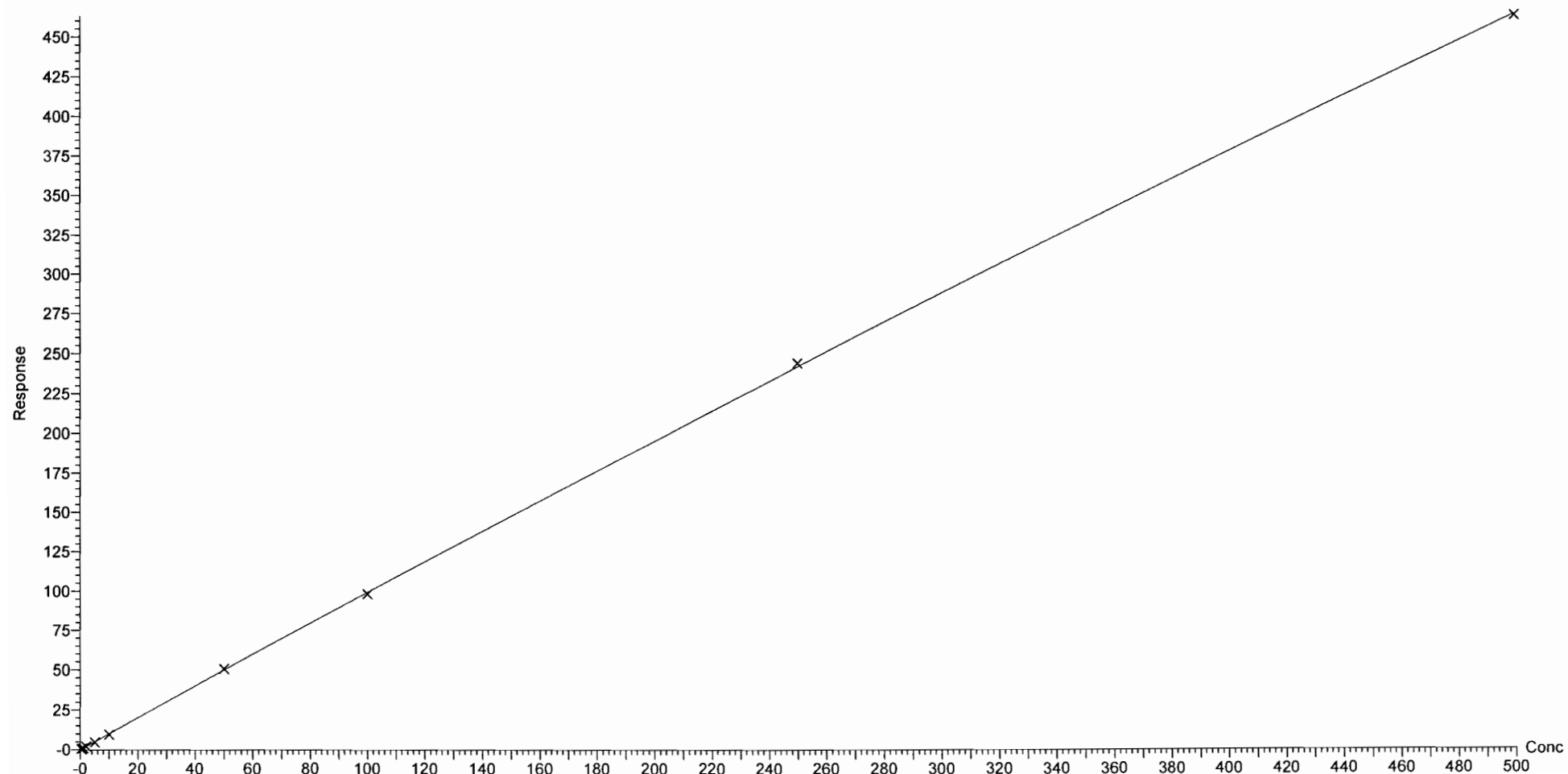
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.999860$

Calibration curve: $-0.000163966 * x^2 + 1.00755 * x + -0.00843218$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:48:20 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:52:21 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

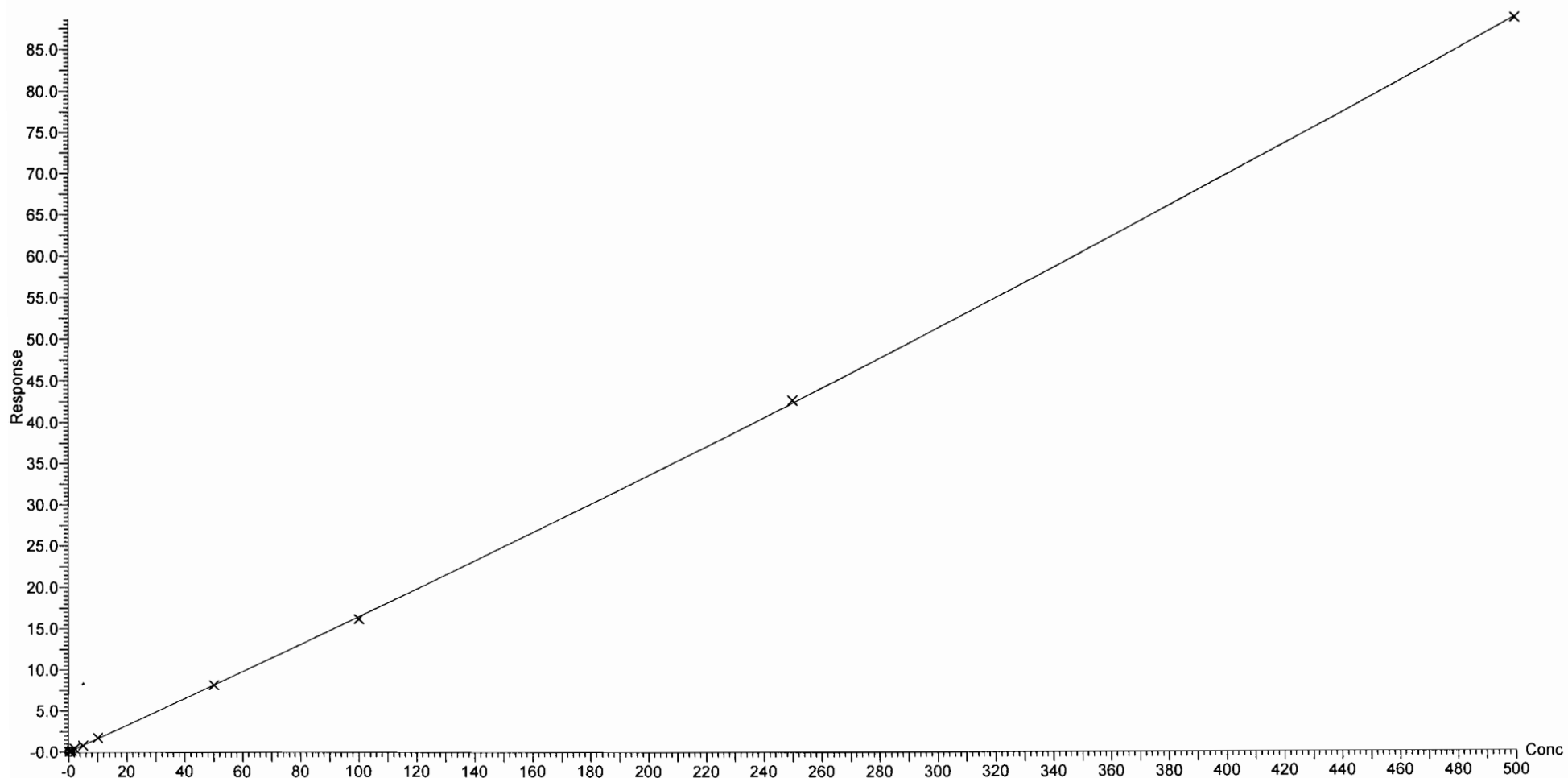
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999694$

Calibration curve: $3.26862e-005 * x^2 + 0.160762 * x + 0.0377763$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

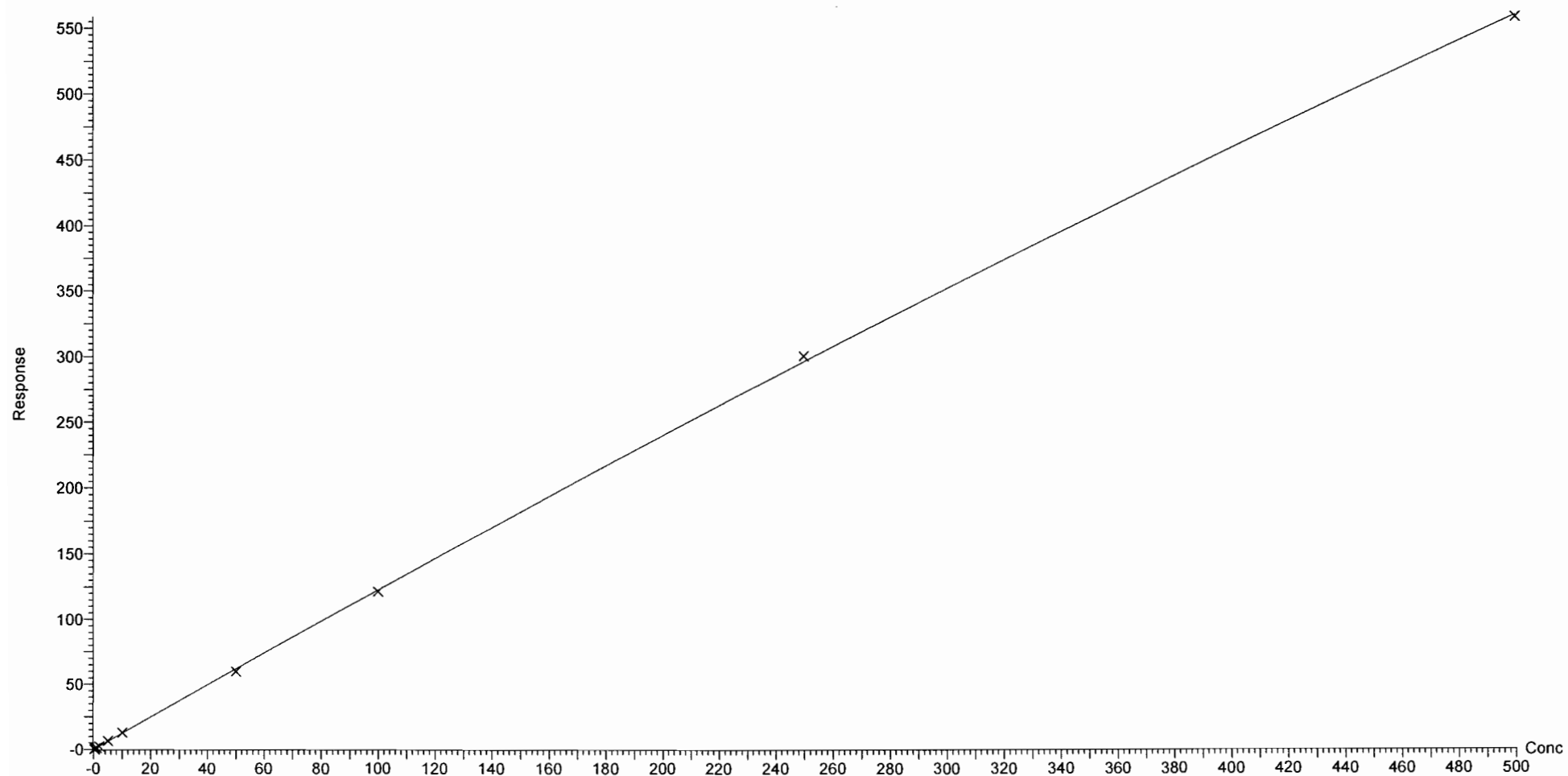
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999787$

Calibration curve: $-0.000270514 * x^2 + 1.25249 * x + -0.0126506$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

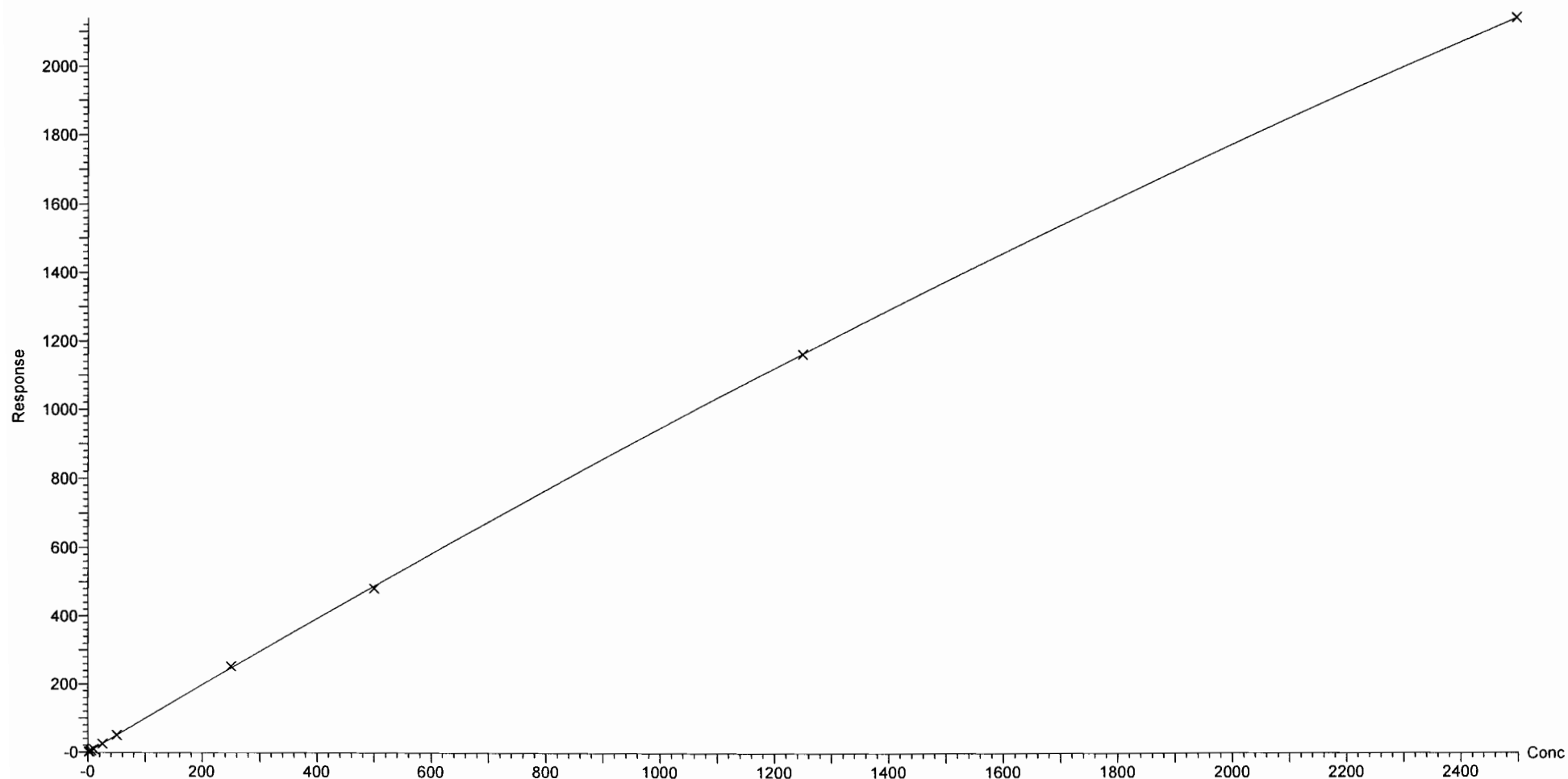
Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999926$

Calibration curve: $-6.12032e-005 * x^2 + 1.00747 * x + -0.0554584$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

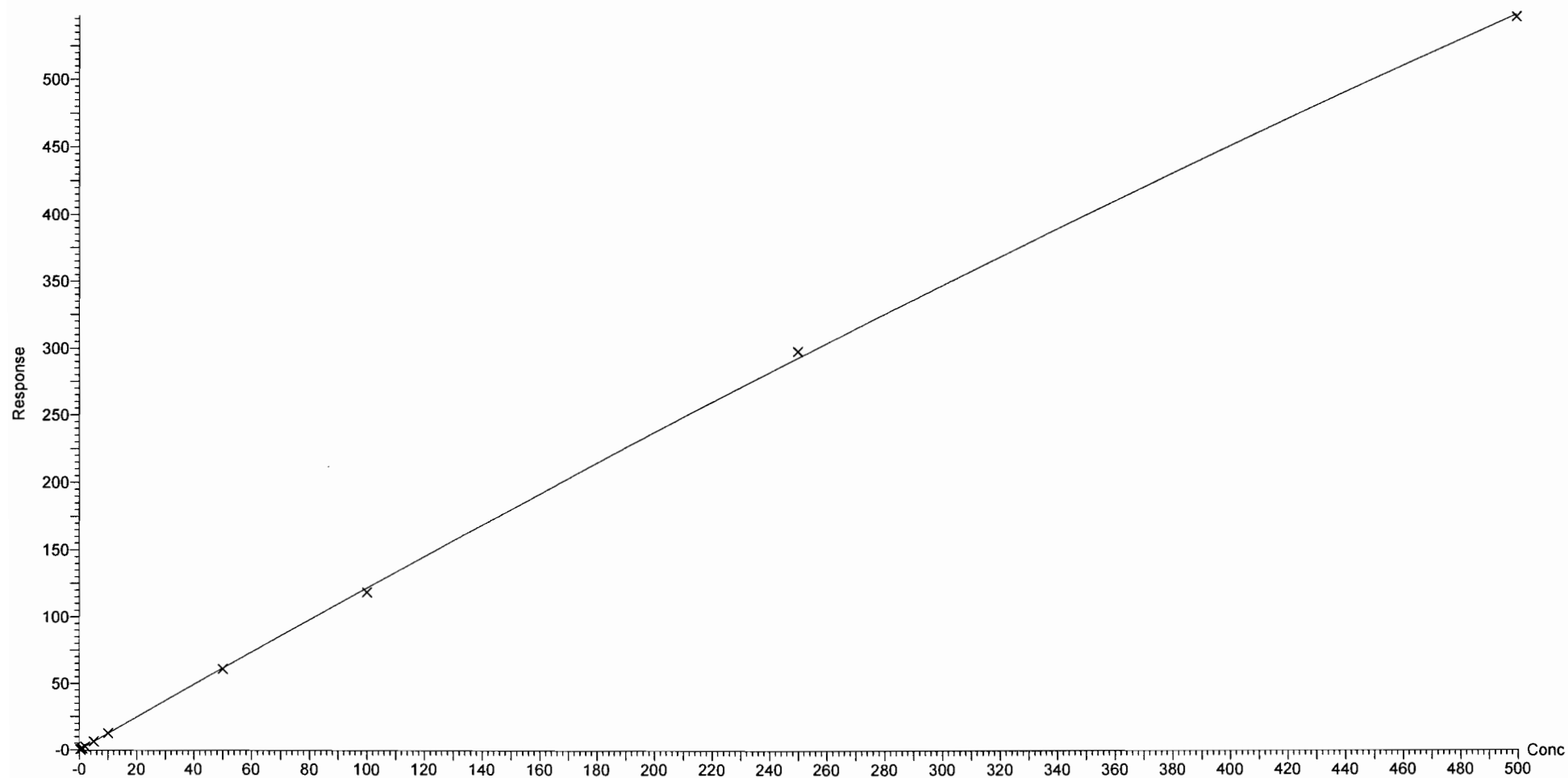
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999766$

Calibration curve: $-0.000305635 * x^2 + 1.24724 * x + 0.033316$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

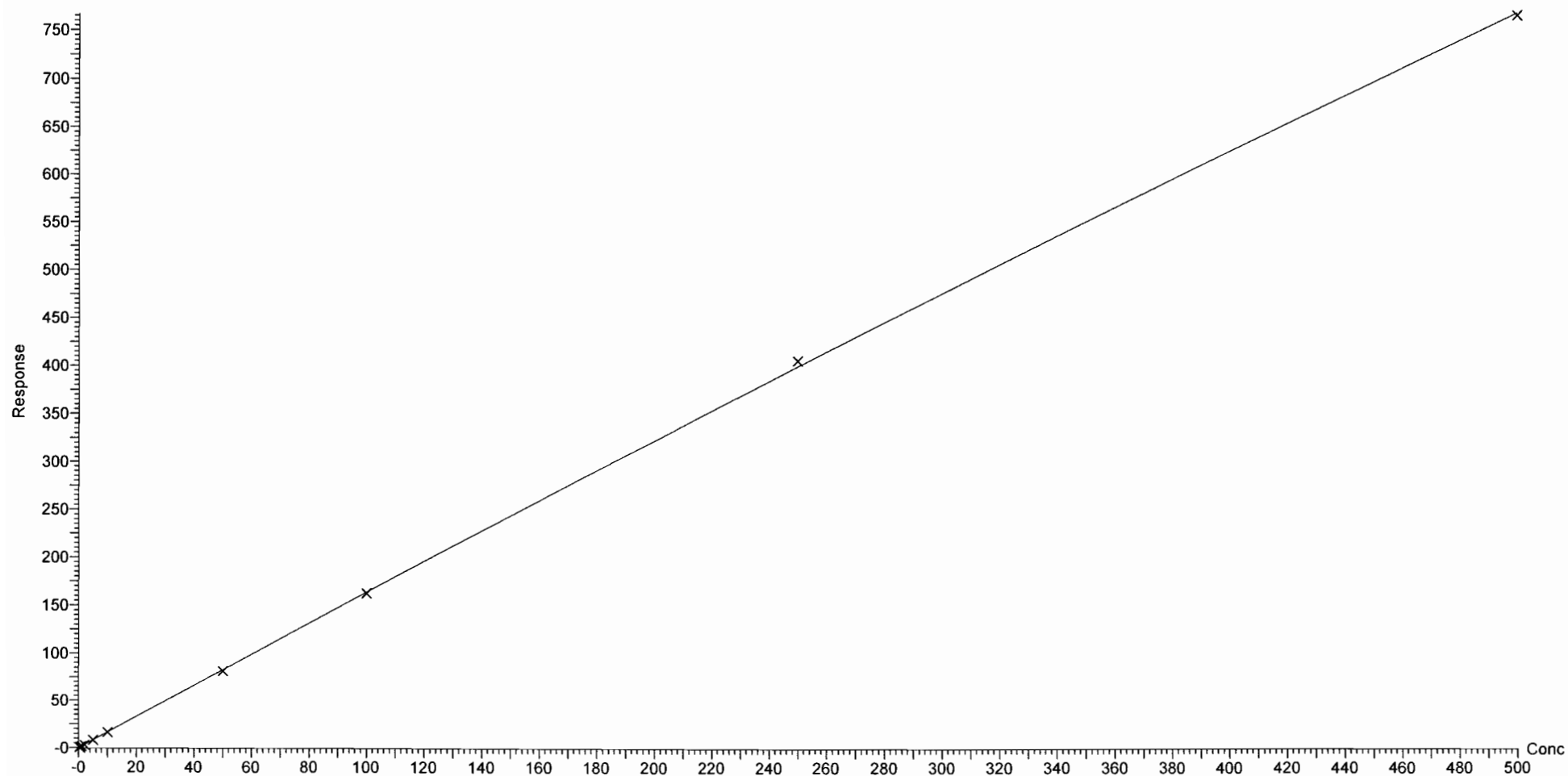
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999886$

Calibration curve: $-0.000258788 * x^2 + 1.6633 * x + -0.063336$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

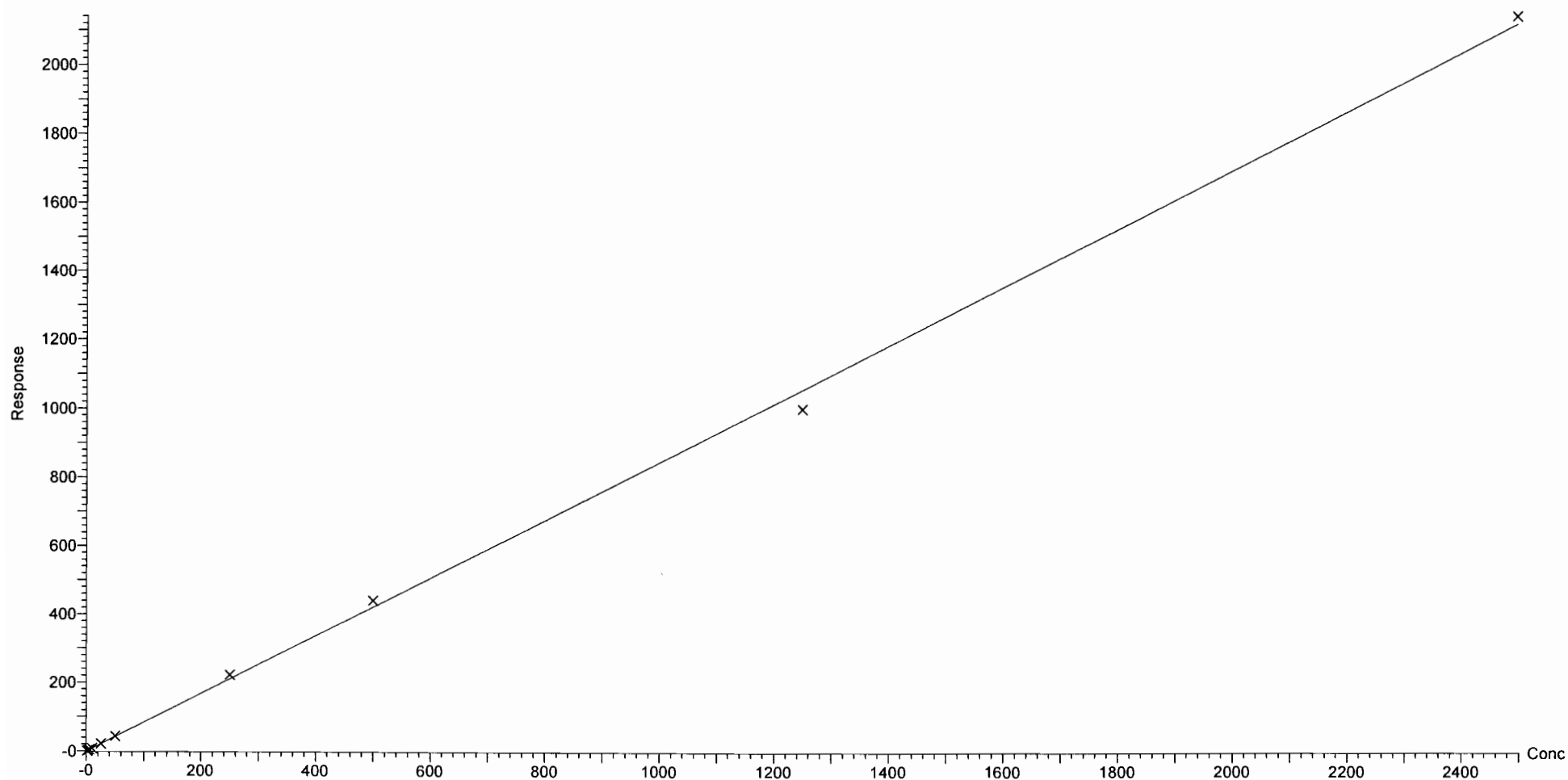
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.998738$

Calibration curve: $1.68566e-006 * x^2 + 0.842953 * x + -0.00889351$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

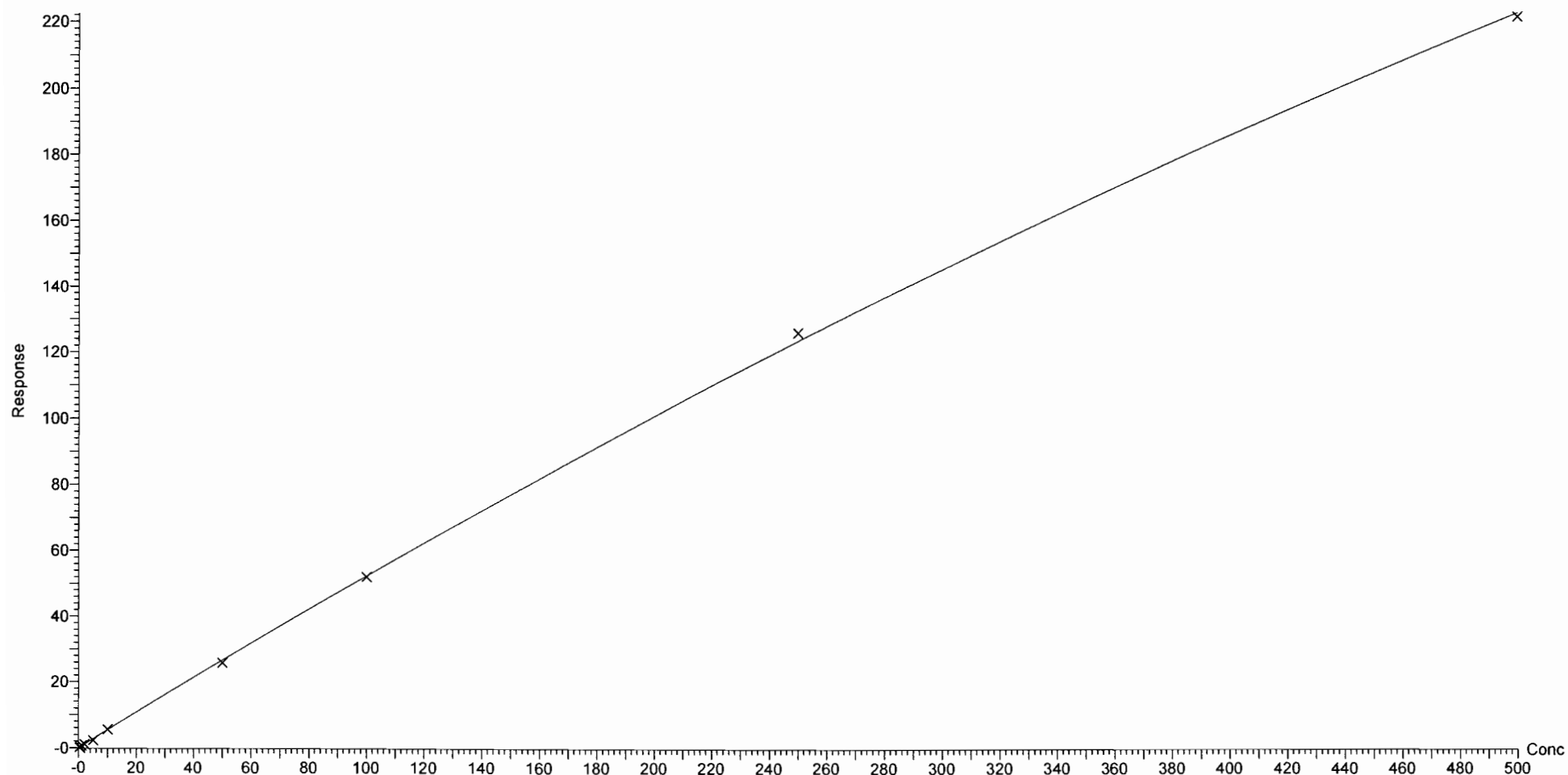
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999602$

Calibration curve: $-0.000196409 * x^2 + 0.542972 * x + 0.032339$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

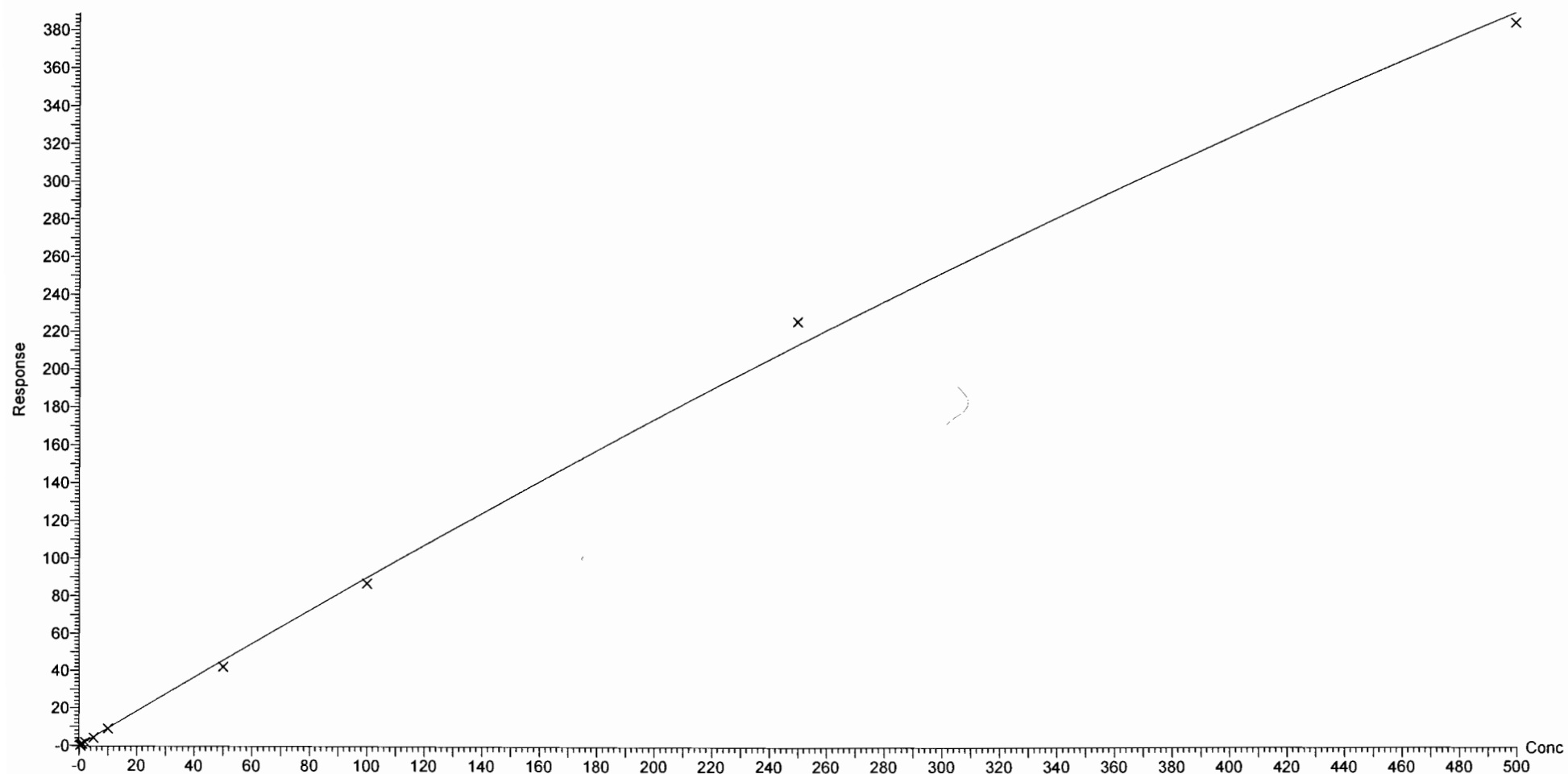
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998279$

Calibration curve: $-0.000303326 * x^2 + 0.929714 * x + -0.0432984$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

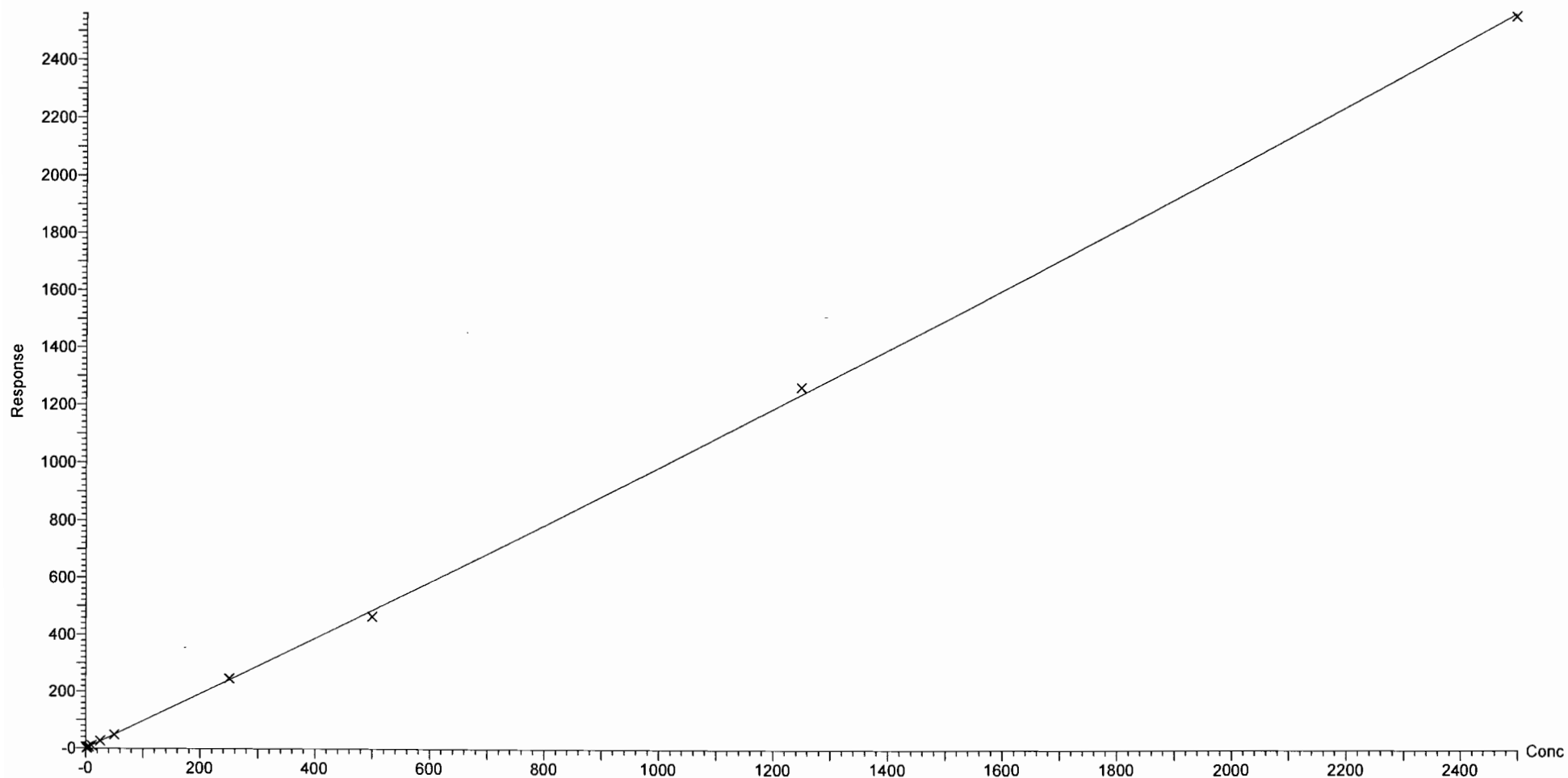
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999646$

Calibration curve: $2.68332e-005 * x^2 + 0.957151 * x + -0.0292889$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 09:34:45 Pacific Daylight Time

Printed: Monday, July 23, 2018 09:37:11 Pacific Daylight Time

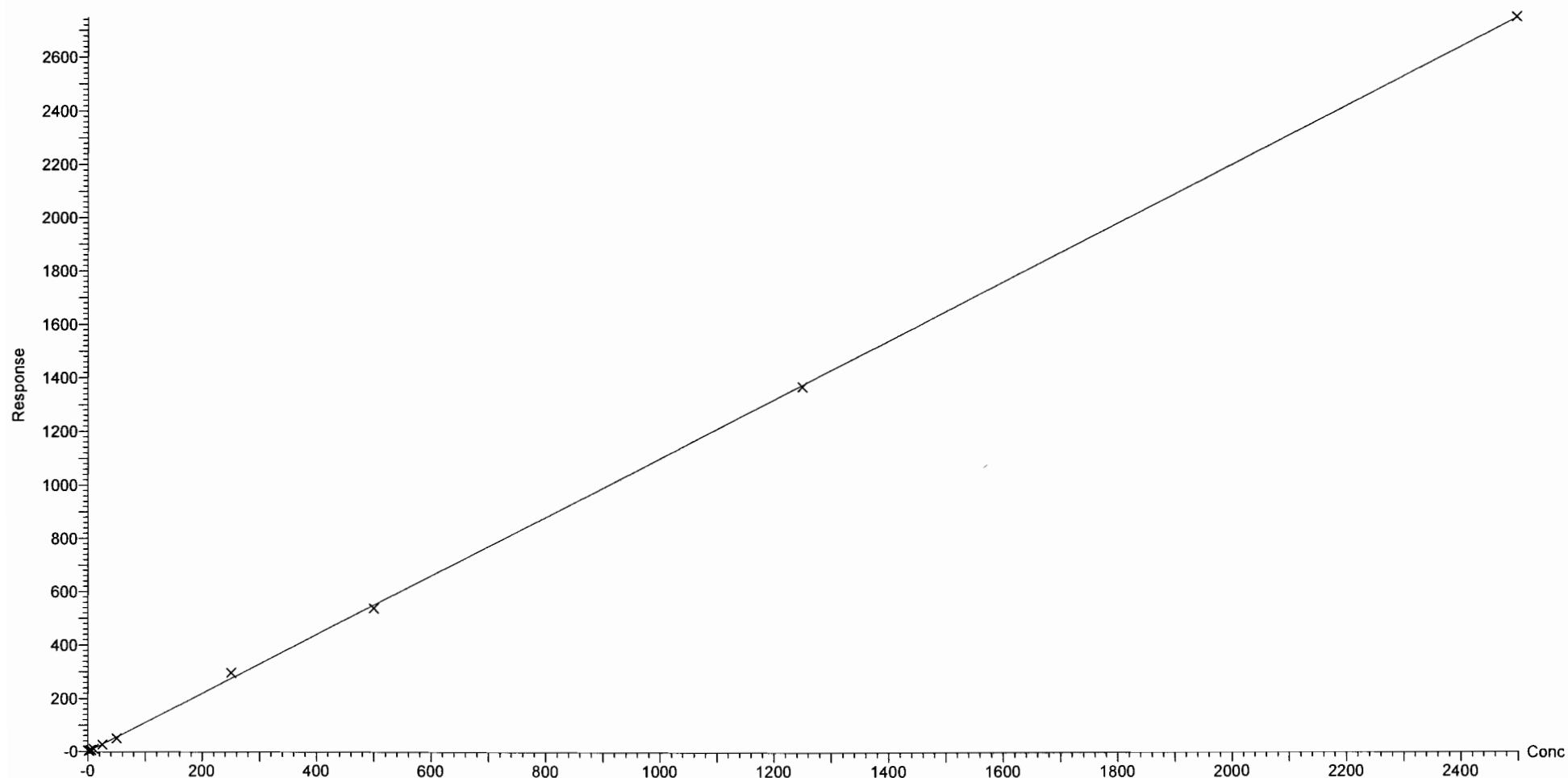
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999486$

Calibration curve: $-1.8807e-006 * x^2 + 1.1024 * x + -0.0830609$

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\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

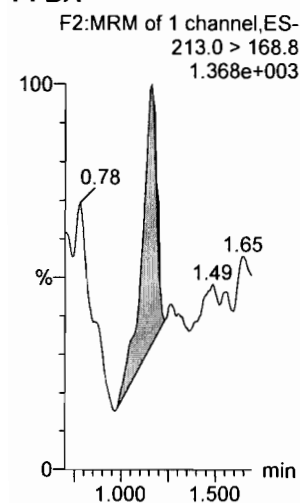
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 08:53:41

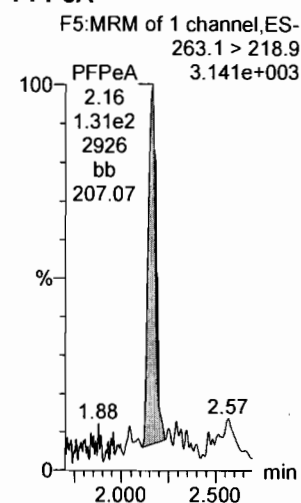
Calibration: 23 Jul 2018 08:52:53

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

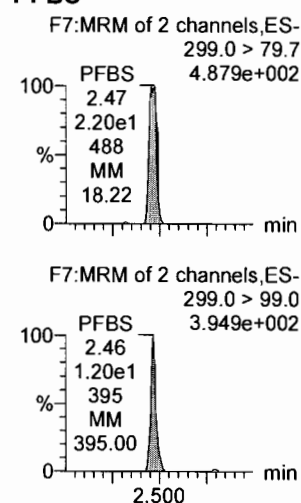
PFBA



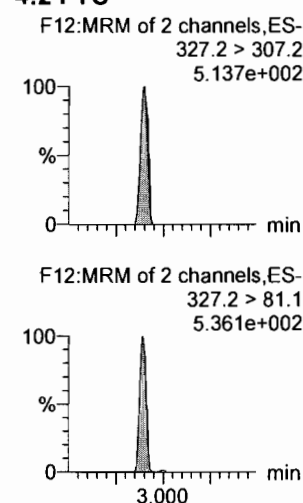
PFPeA



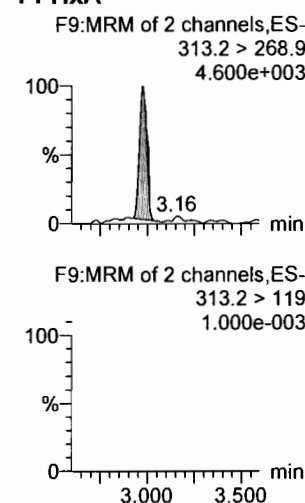
PFBS



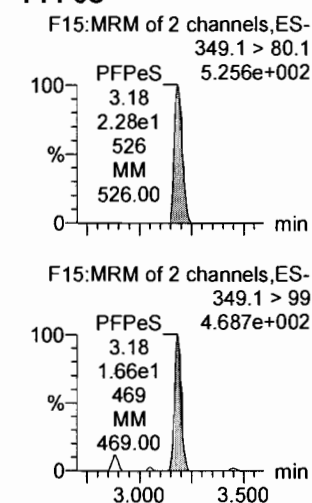
4:2 FTS



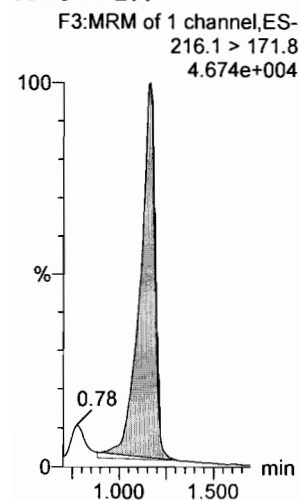
PFHxA



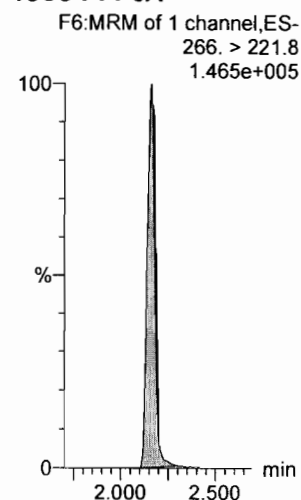
PFPeS



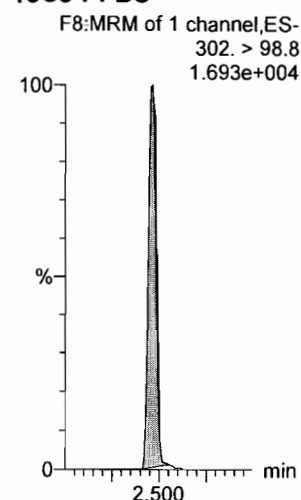
13C3-PFBA



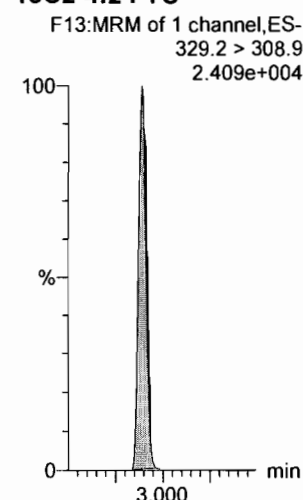
13C3-PFPeA



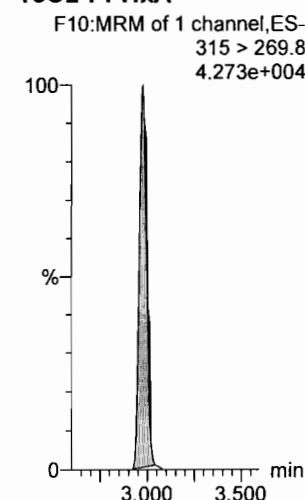
13C3-PFBS



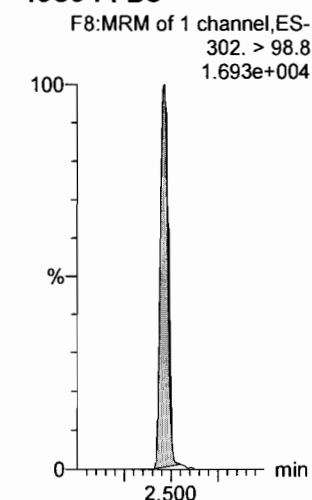
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



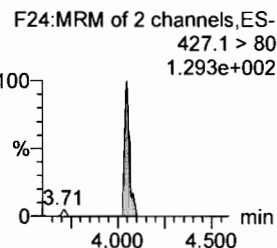
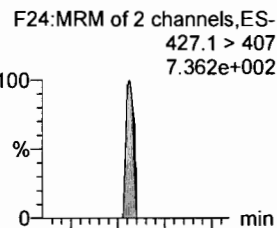
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

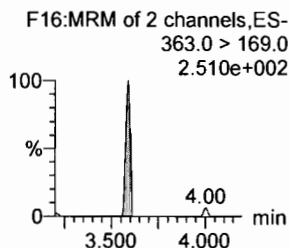
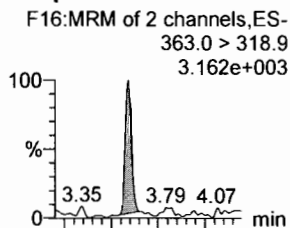
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

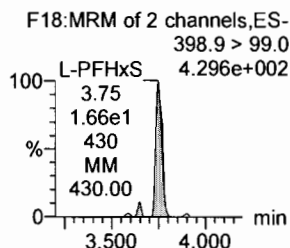
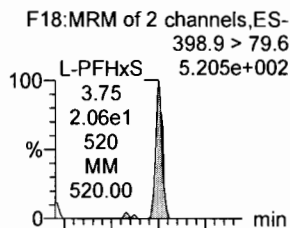
6:2 FTS



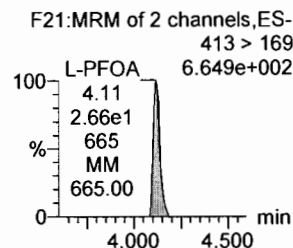
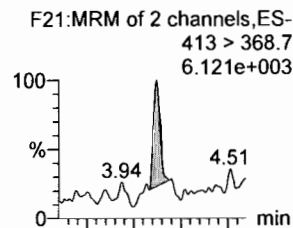
PFHpA



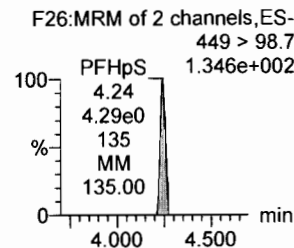
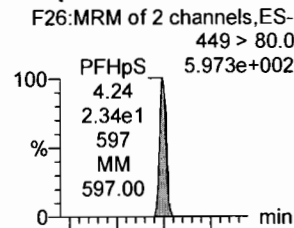
L-PFHxS



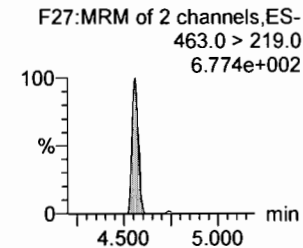
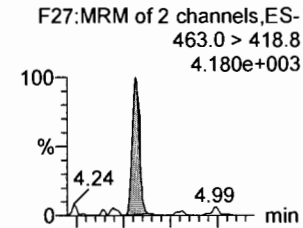
L-PFOA



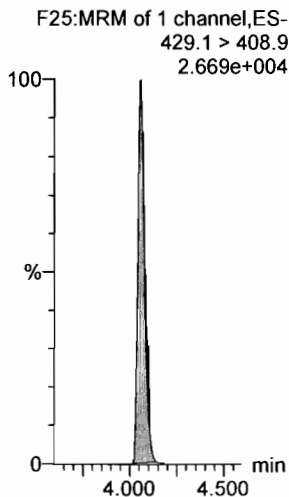
PFHpS



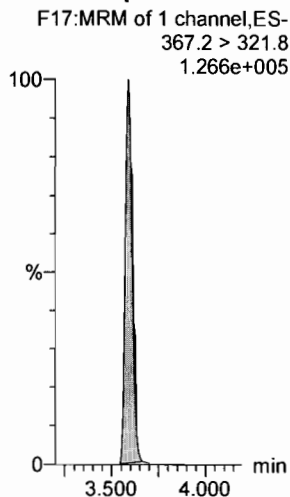
PFNA



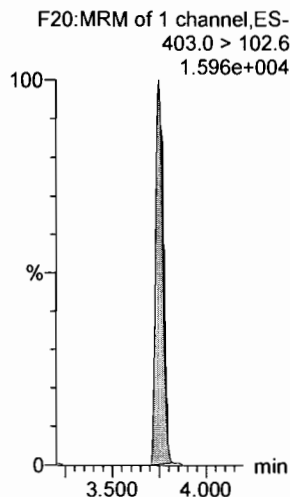
13C2-6:2 FTS



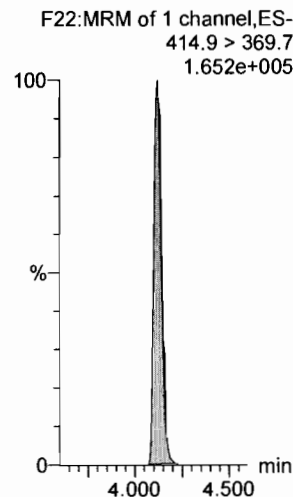
13C4-PFHpA



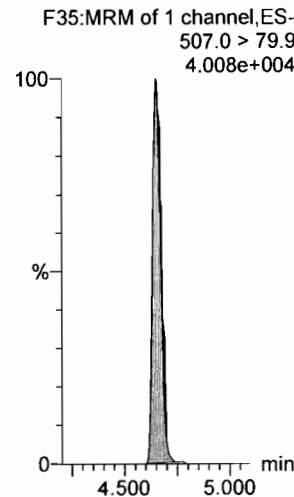
18O2-PFHxS



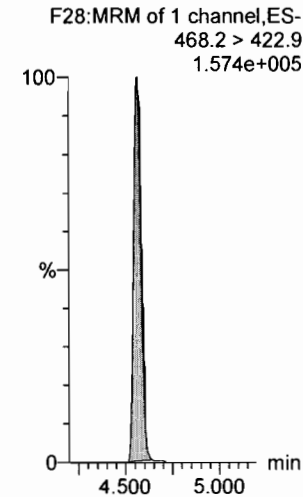
13C2-PFOA



13C8-PFOS



13C5-PFNA



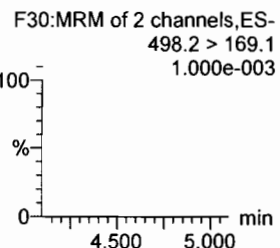
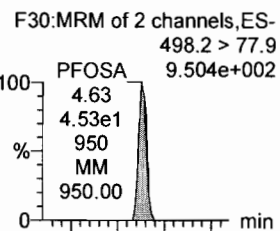
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

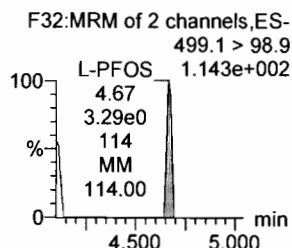
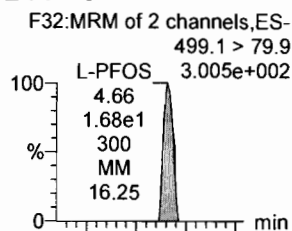
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

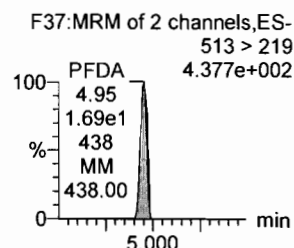
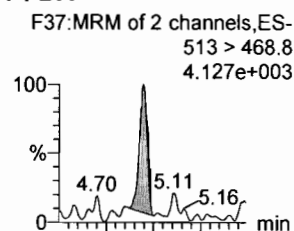
PFOSA



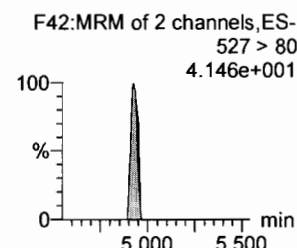
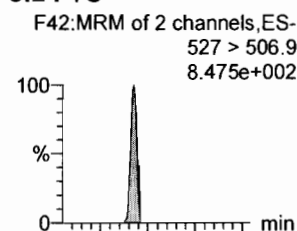
L-PFOS



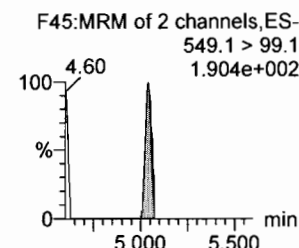
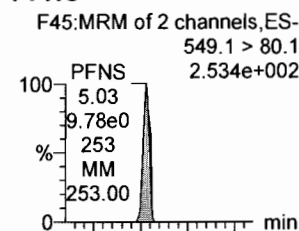
PFDA



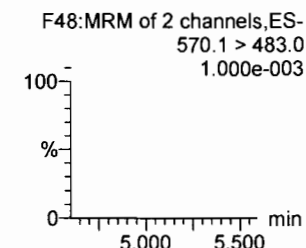
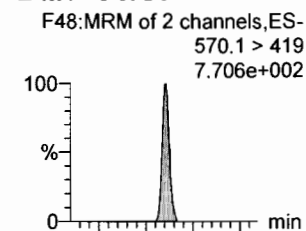
8:2 FTS



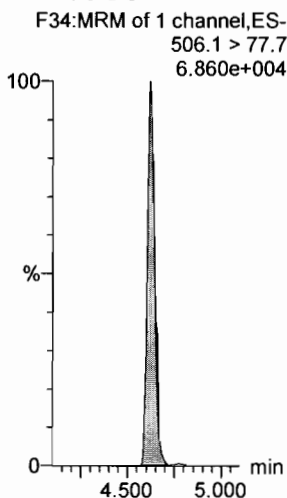
PFNS



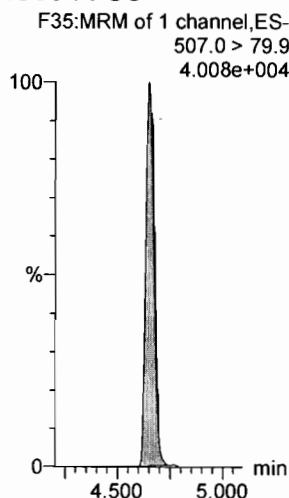
L-MeFOSAA



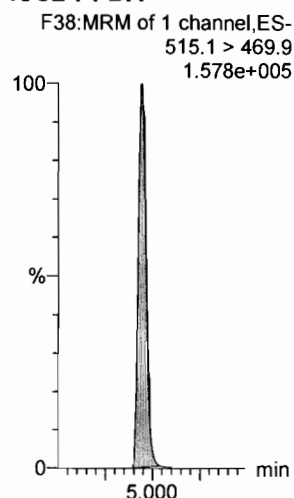
13C8-PFOSA



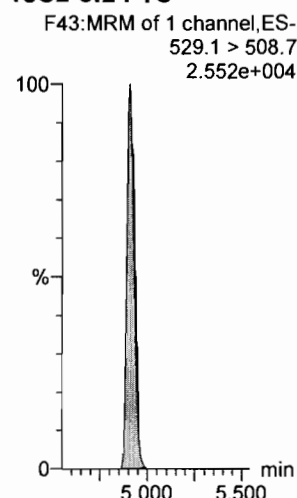
13C8-PFOS



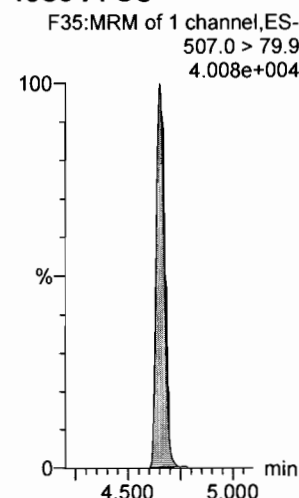
13C2-PFDA



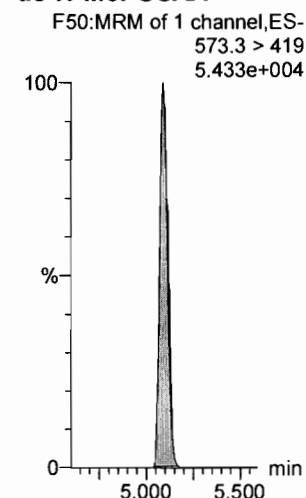
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

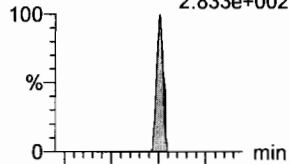
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

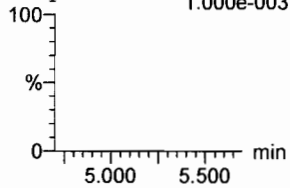
Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
2.833e+002

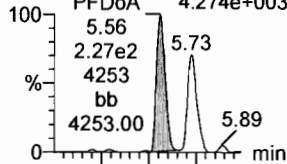


F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e+003

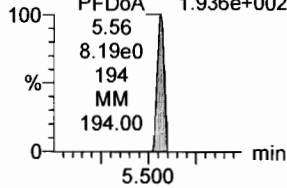


PFDaA

F54:MRM of 4 channels,ES-
612.9 > 569.0
4.274e+003

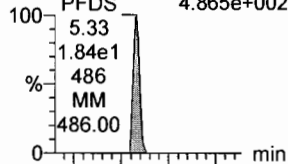


F54:MRM of 4 channels,ES-
612.9 > 318.8
1.936e+002

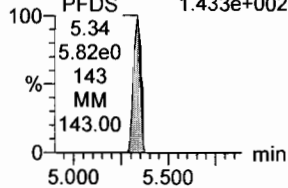


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
4.865e+002

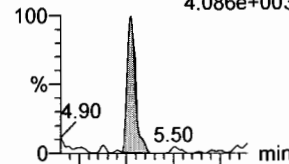


F53:MRM of 2 channels,ES-
598.8 > 98.7
1.433e+002

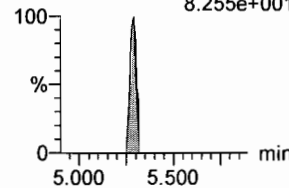


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
4.086e+003

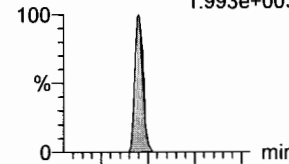


F46:MRM of 2 channels,ES-
563.0 > 269
8.255e+001

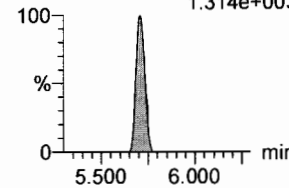


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
1.993e+003

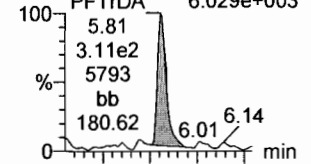


F36:MRM of 2 channels,ES-
512.1 > 219
1.314e+003

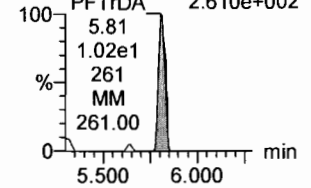


PFTTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
6.029e+003

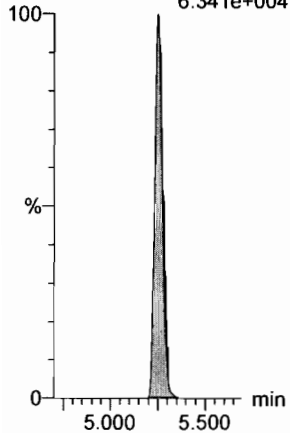


F60:MRM of 2 channels,ES-
662.9 > 319
2.610e+002



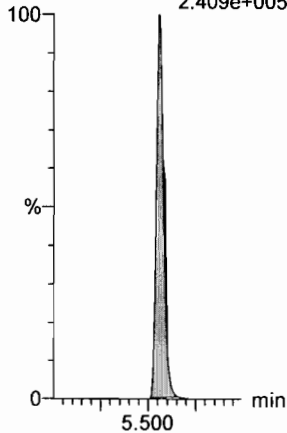
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
6.341e+004



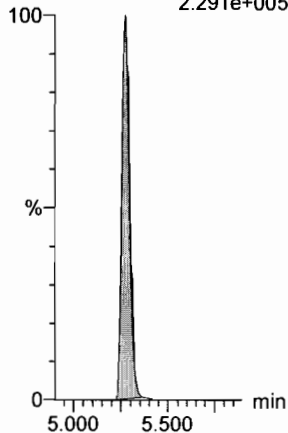
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.409e+005



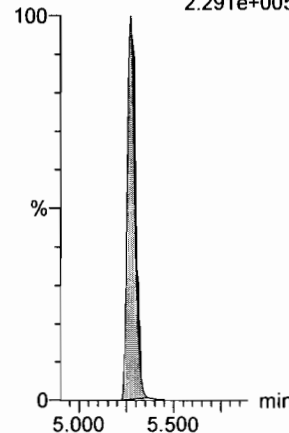
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.291e+005



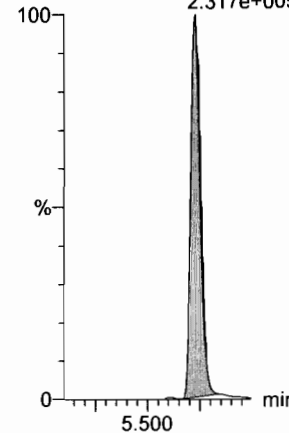
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.291e+005



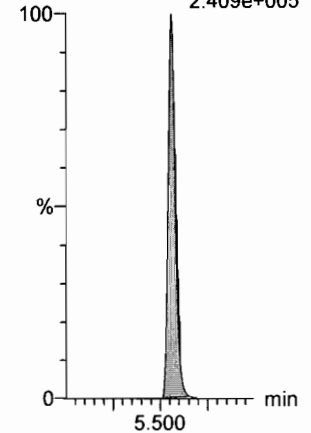
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.317e+005



13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.409e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

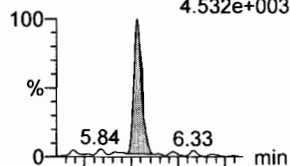
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

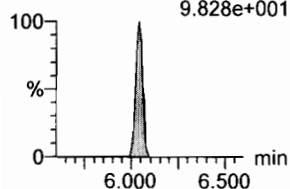
Name: 180722M1_2, Date: 22-Jul-2018, Time: 16:26:28, ID: ST180722M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
4.532e+003

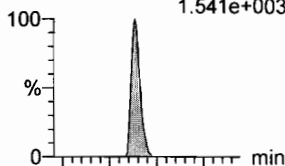


F61:MRM of 2 channels,ES-
712.9 > 369
9.828e+001

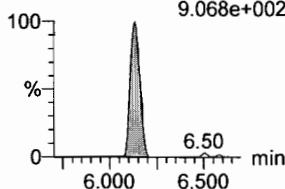


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.541e+003

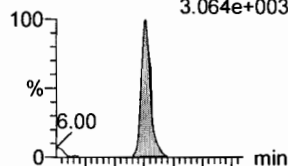


F41:MRM of 2 channels,ES-
526.1 > 219
9.068e+002

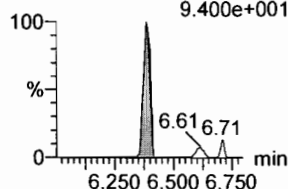


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
3.064e+003

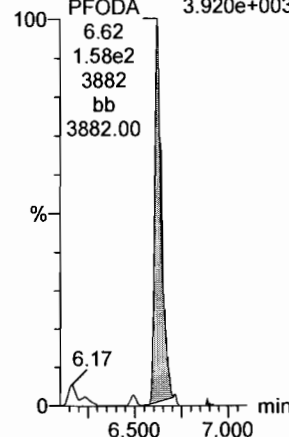


F63:MRM of 2 channels,ES-
813.1 > 219
9.400e+001



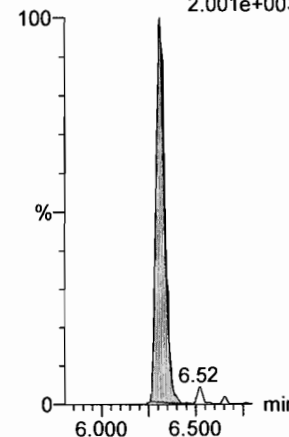
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
3.920e+003



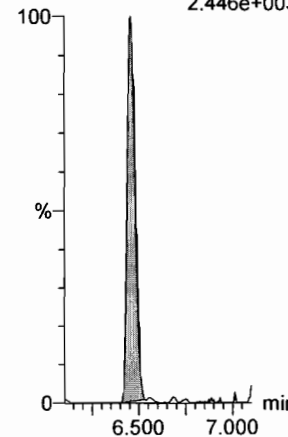
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.001e+003



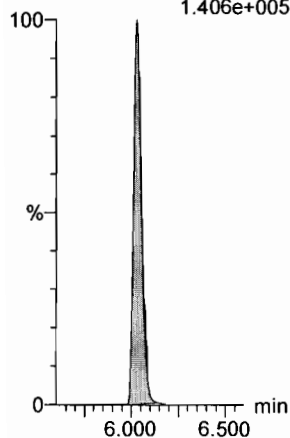
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.446e+003



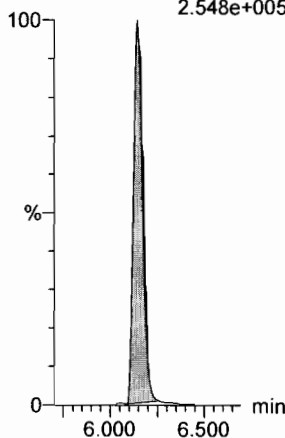
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.406e+005



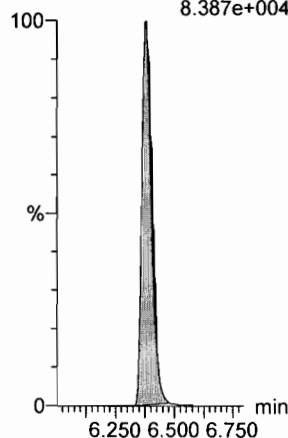
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.548e+005



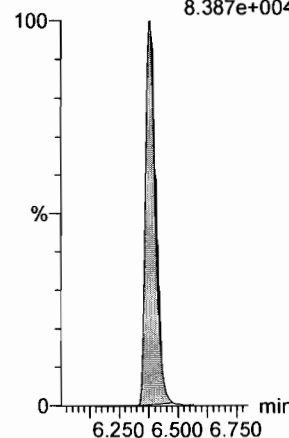
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.387e+004



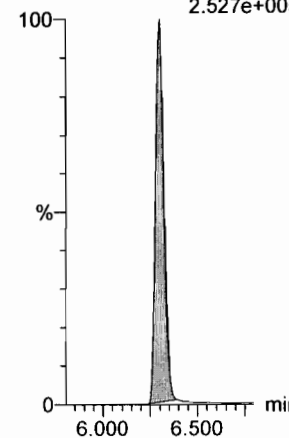
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.387e+004



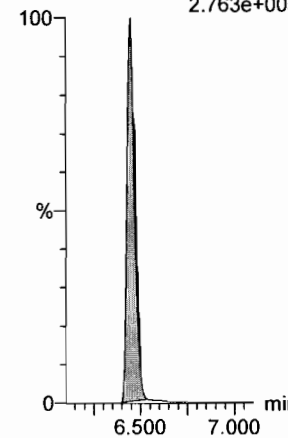
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.527e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.763e+005



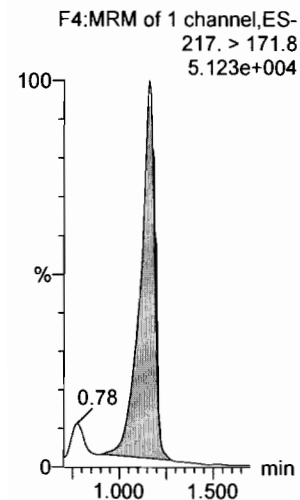
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

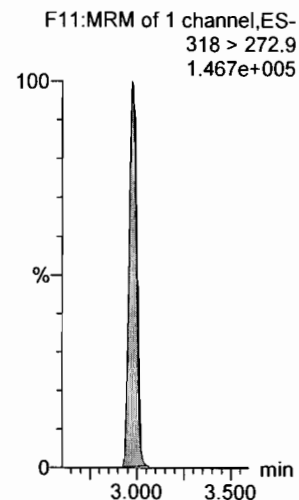
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

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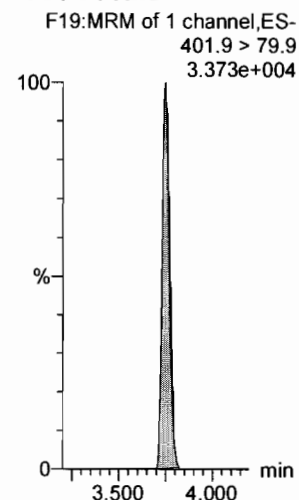
13C4-PFBA



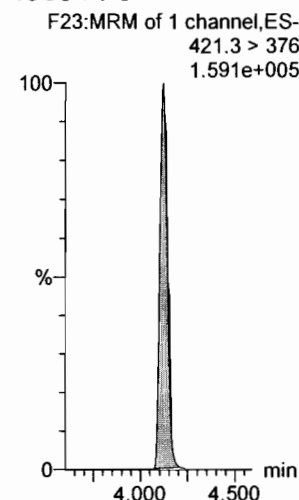
13C5-PFHxA



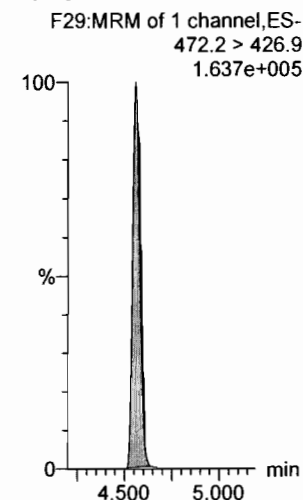
13C3-PFHxS



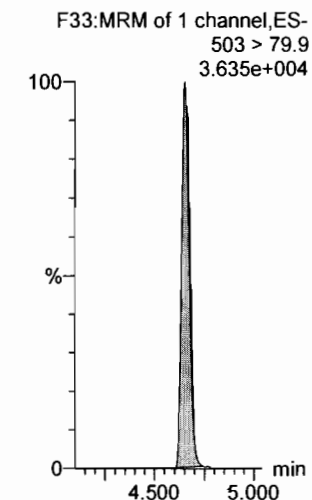
13C8-PFOA



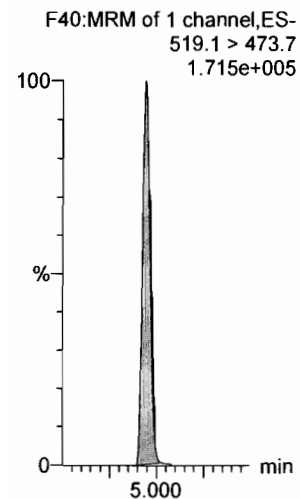
13C9-PFNA



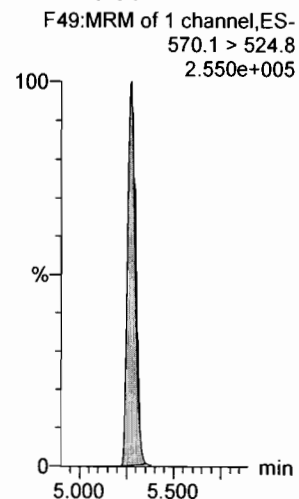
13C4-PFOS



13C6-PFDA



13C7-PFUDa



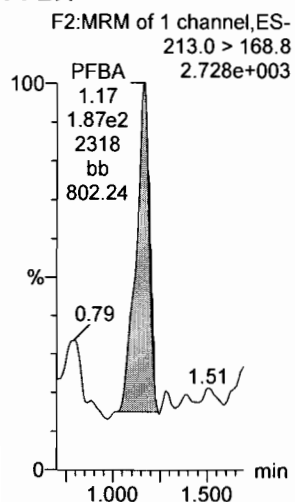
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

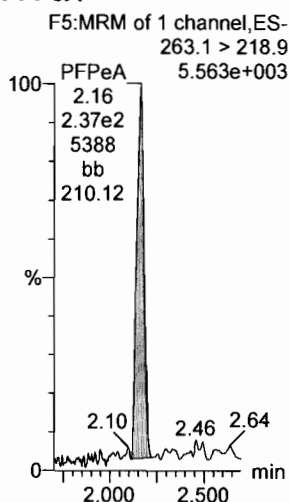
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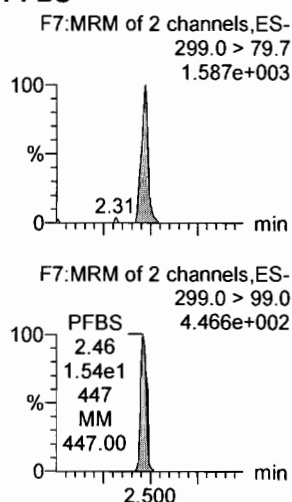
PFBA



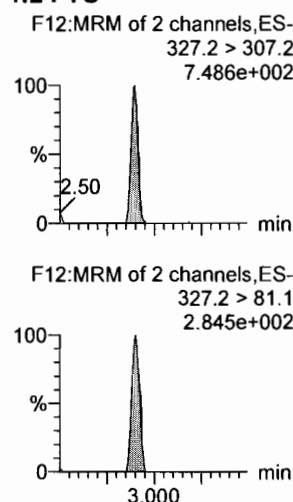
PFPeA



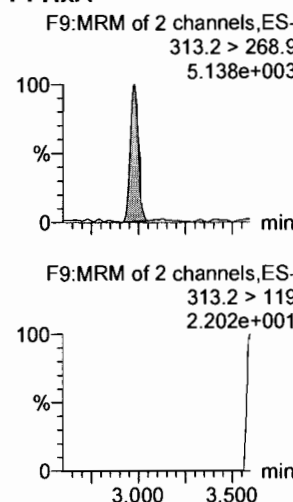
PFBS



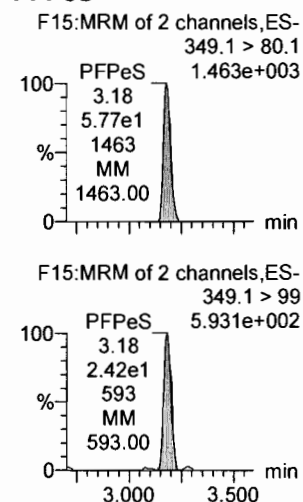
4:2 FTS



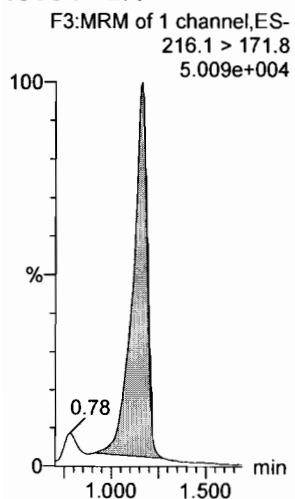
PFHxA



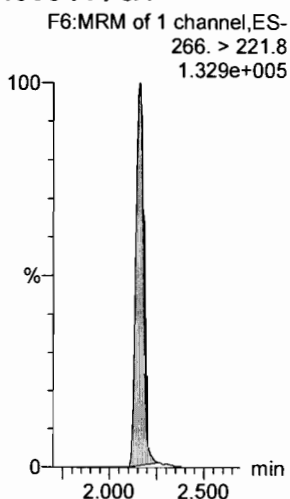
PFPeS



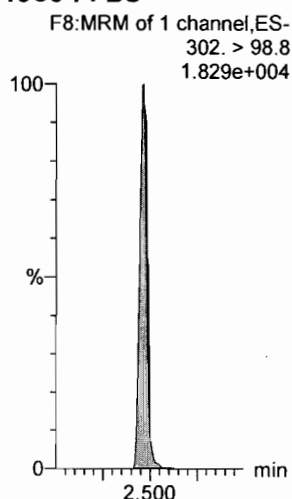
13C3-PFBA



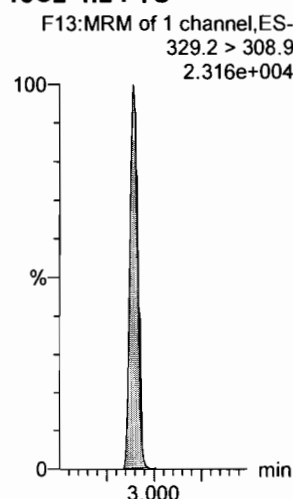
13C3-PFPeA



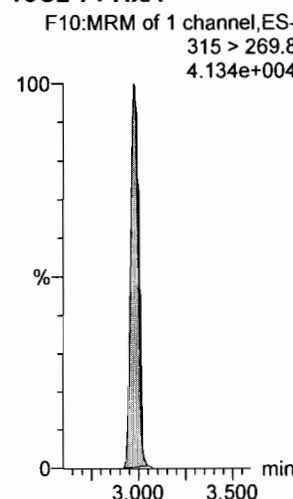
13C3-PFBS



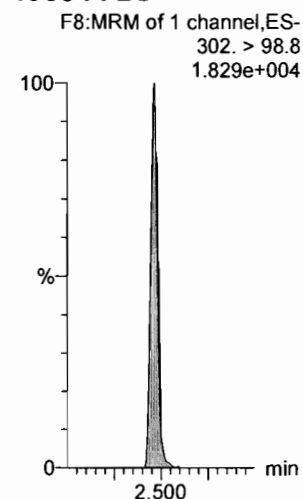
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



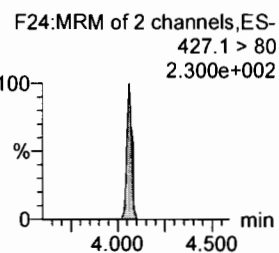
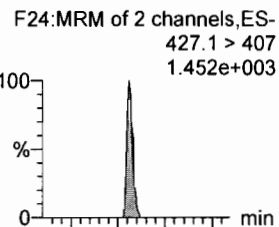
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

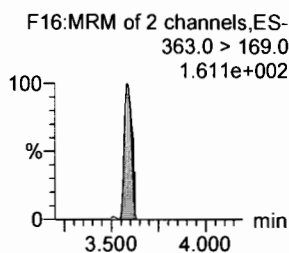
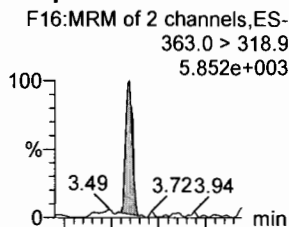
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_3, Date: 22-Jul-2018, Time: 16:36:58, ID: ST180722M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

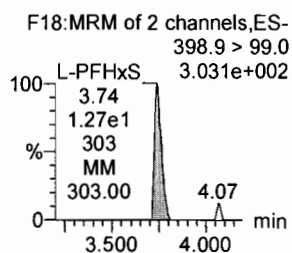
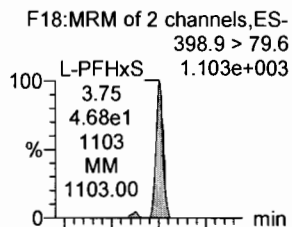
6:2 FTS



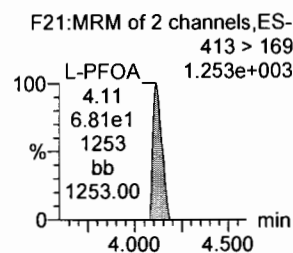
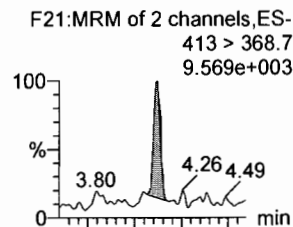
PFHpA



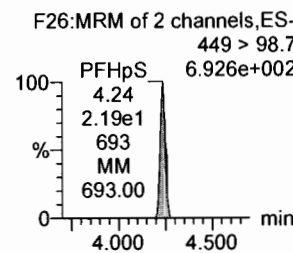
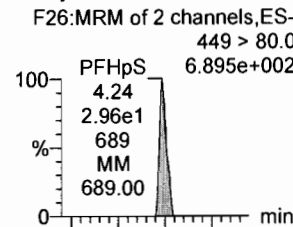
L-PFHxS



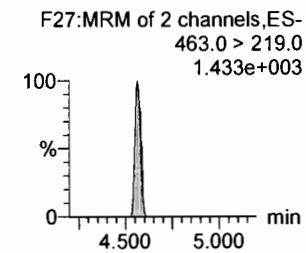
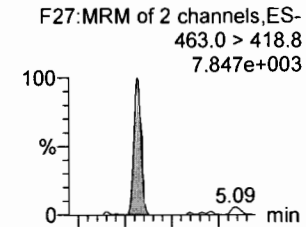
L-PFOA



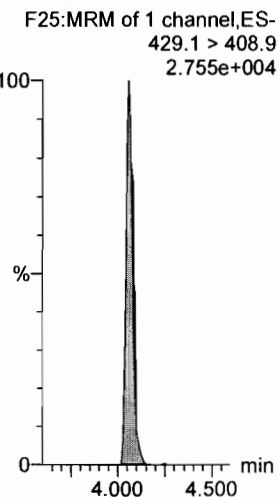
PFHpS



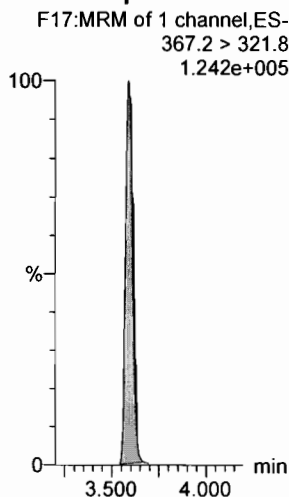
PFNA



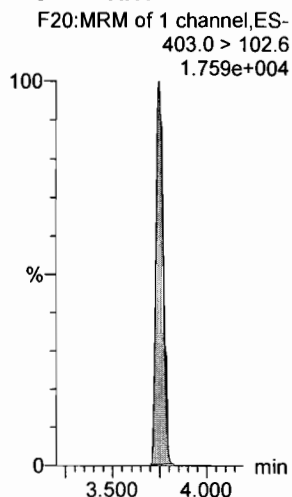
13C2-6:2 FTS



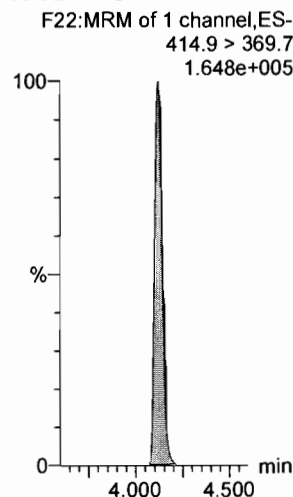
13C4-PFHpA



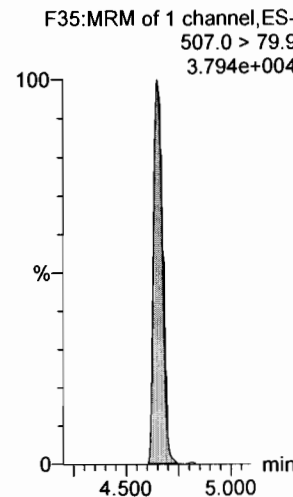
18O2-PFHxS



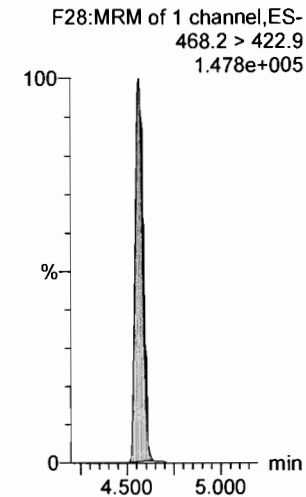
13C2-PFOA



13C8-PFOS



13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

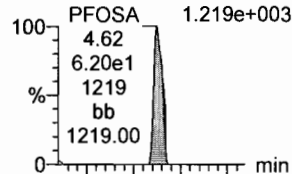
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

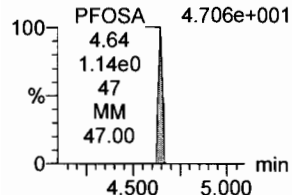
Name: 180722M1_3, Date: 22-Jul-2018, Time: 16:36:58, ID: ST180722M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
1.219e+003

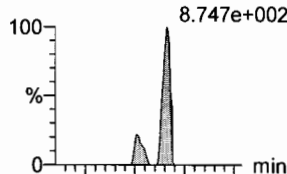


F30:MRM of 2 channels,ES-
498.2 > 169.1
4.706e+001

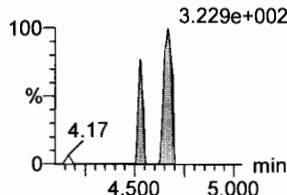


L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
8.747e+002

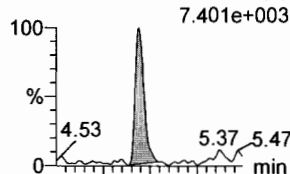


F32:MRM of 2 channels,ES-
499.1 > 98.9
3.229e+002

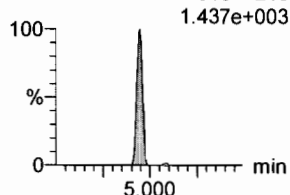


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
7.401e+003

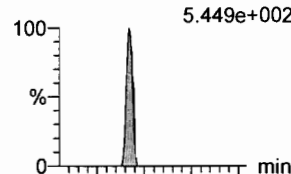


F37:MRM of 2 channels,ES-
513 > 219
1.437e+003

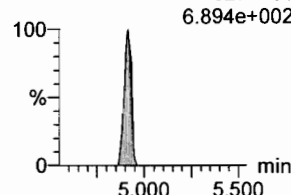


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
5.449e+002

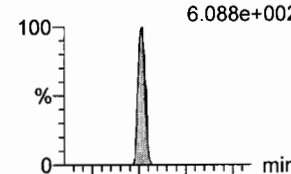


F42:MRM of 2 channels,ES-
527 > 80
6.894e+002

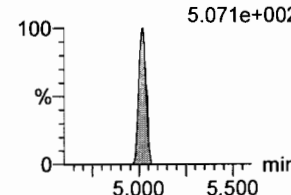


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
6.088e+002

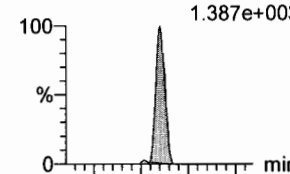


F45:MRM of 2 channels,ES-
549.1 > 99.1
5.071e+002

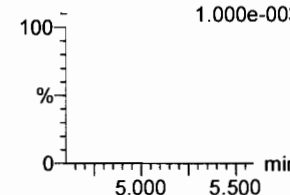


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.387e+003

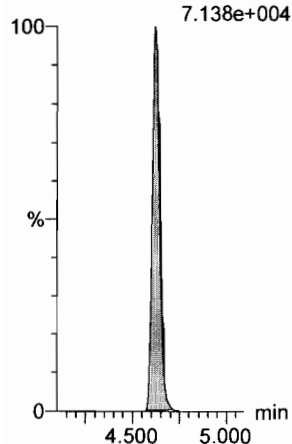


F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e+003



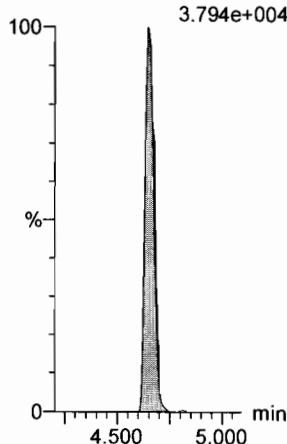
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
7.138e+004



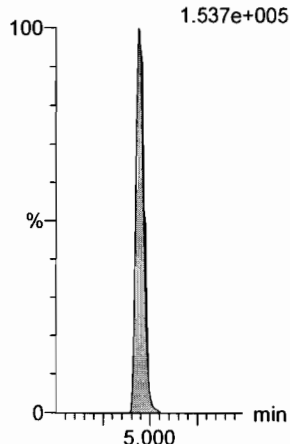
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.794e+004



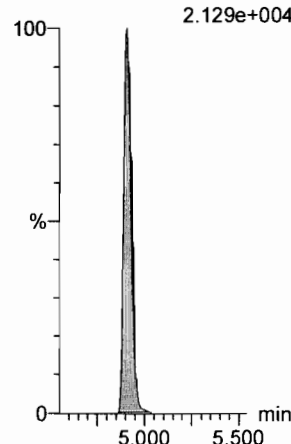
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
1.537e+005



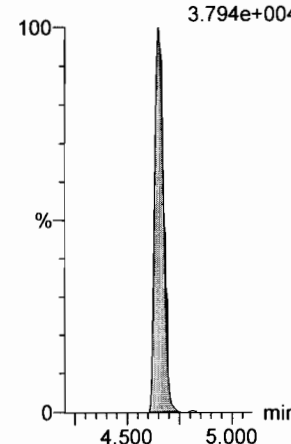
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
2.129e+004



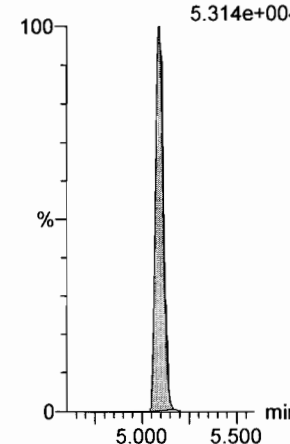
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.794e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
5.314e+004



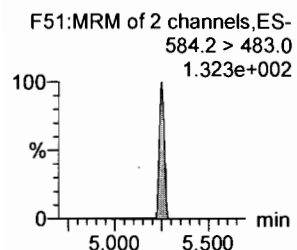
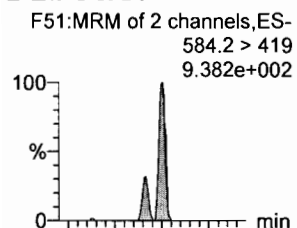
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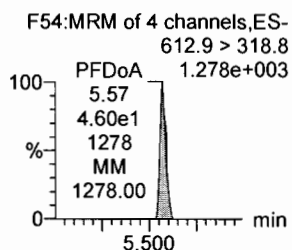
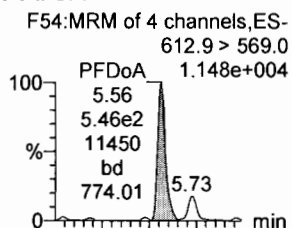
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_3, Date: 22-Jul-2018, Time: 16:36:58, ID: ST180722M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

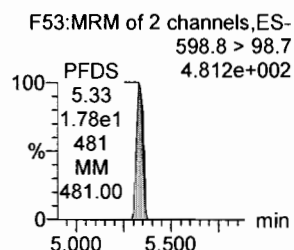
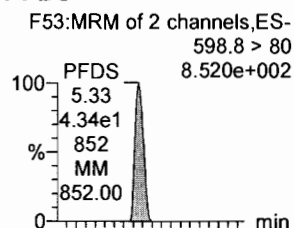
L-EtFOSAA



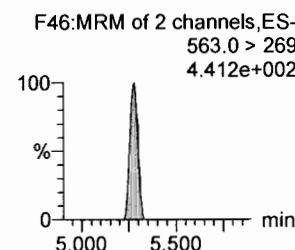
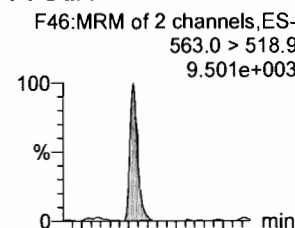
PFDaA



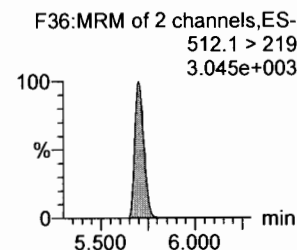
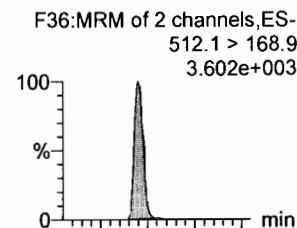
PFDS



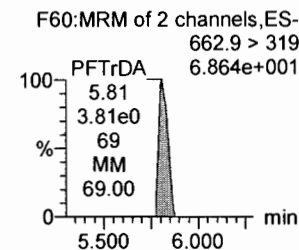
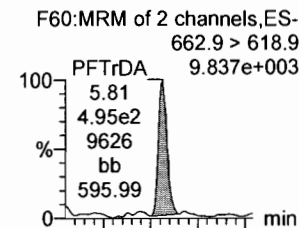
PFUdA



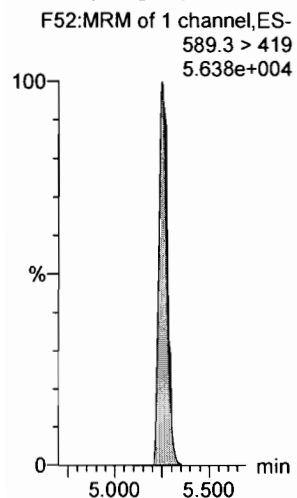
N-MeFOSA



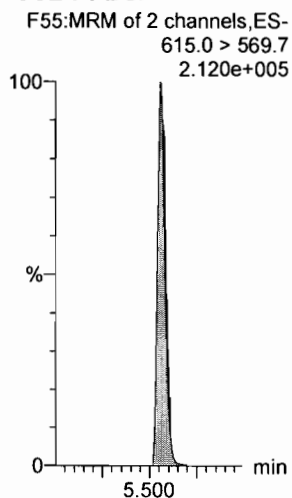
PFTTrDA



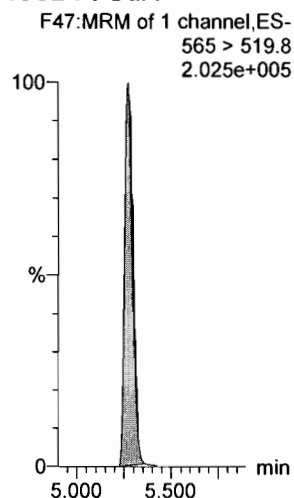
d3-N-EtFOSAA



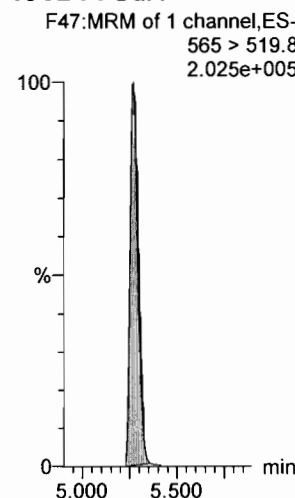
13C2-PFDaA



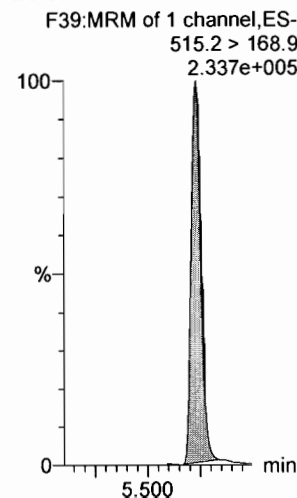
13C2-PFUdA



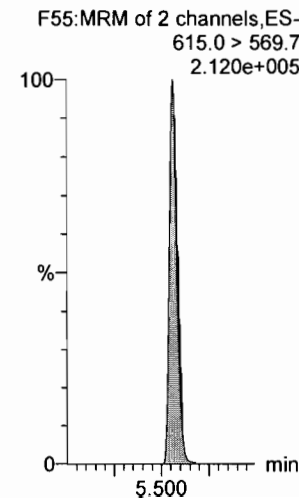
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA

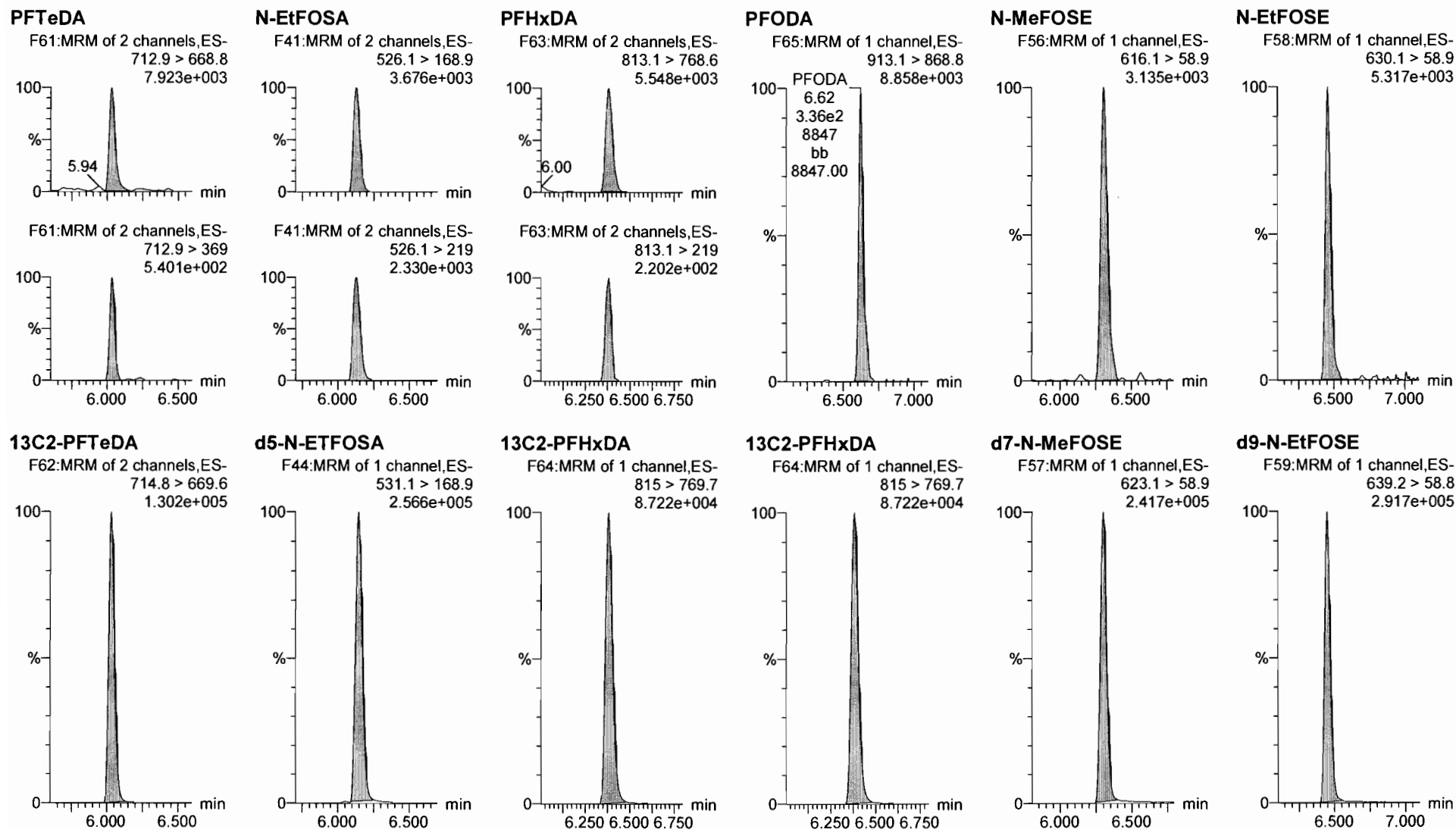


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_3, Date: 22-Jul-2018, Time: 16:36:58, ID: ST180722M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911



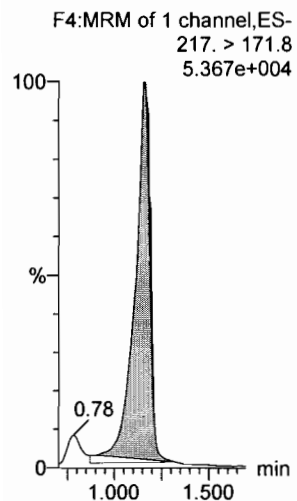
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

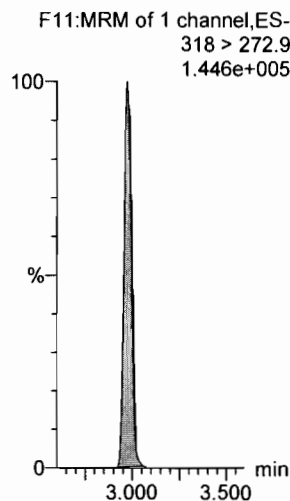
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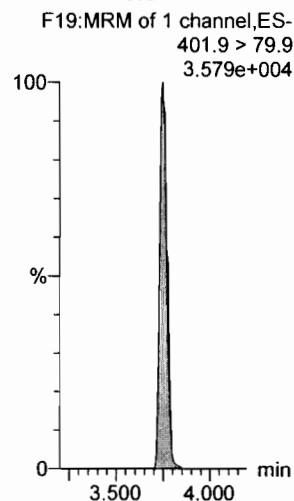
13C4-PFBA



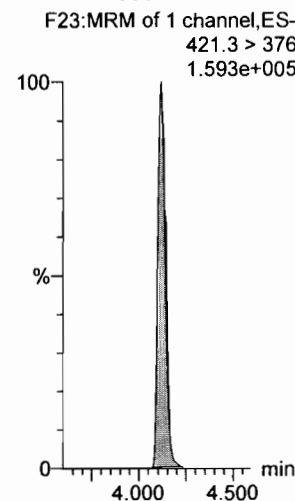
13C5-PFHxA



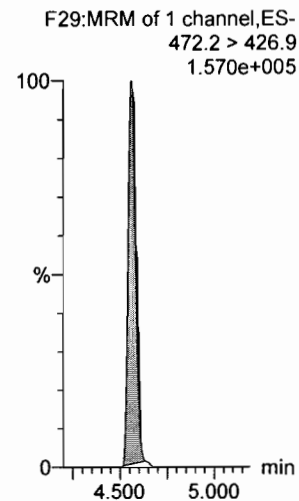
13C3-PFHxS



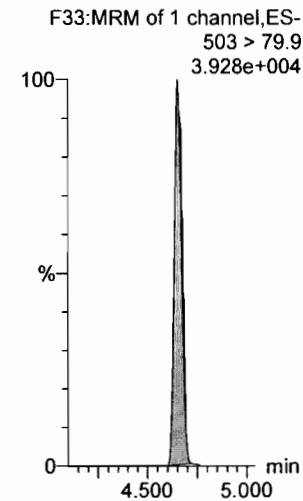
13C8-PFOA



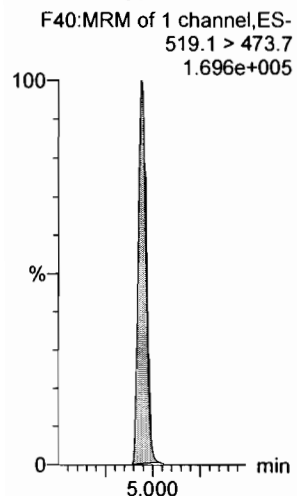
13C9-PFNA



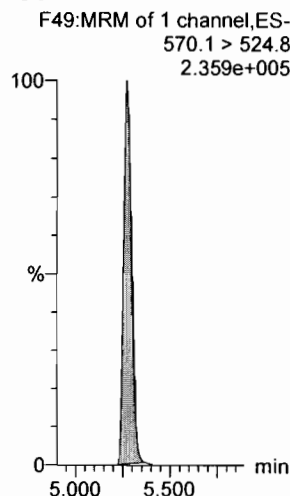
13C4-PFOS



13C6-PFDA



13C7-PFUDa



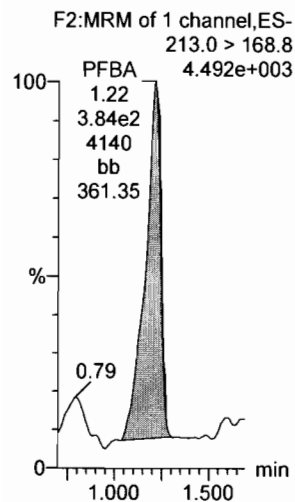
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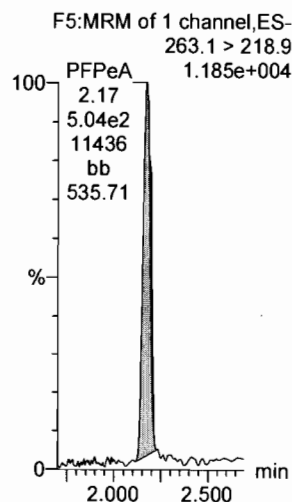
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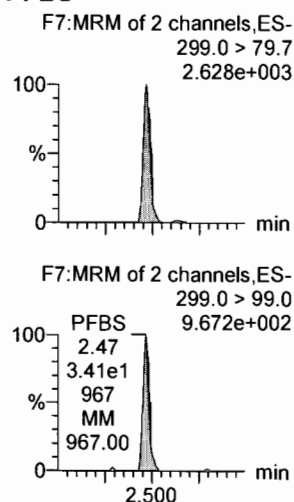
PFBA



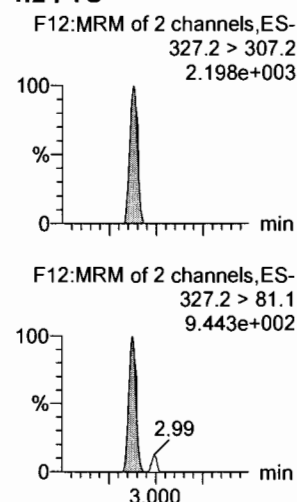
PFPeA



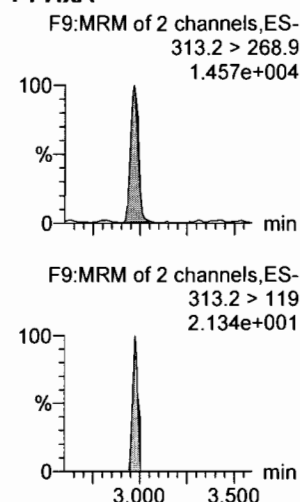
PFBS



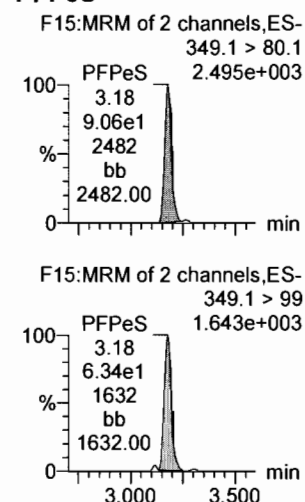
4:2 FTS



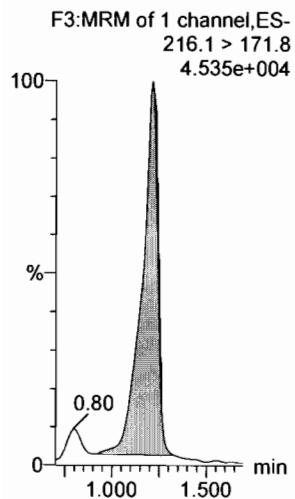
PFHxA



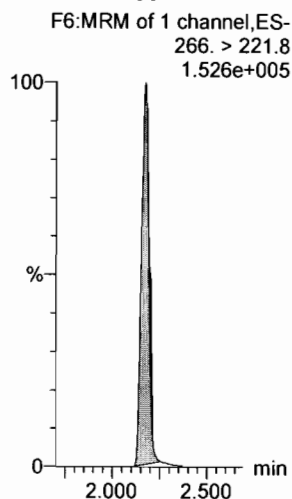
PFPeS



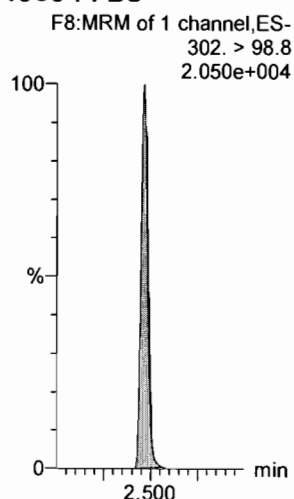
13C3-PFBA



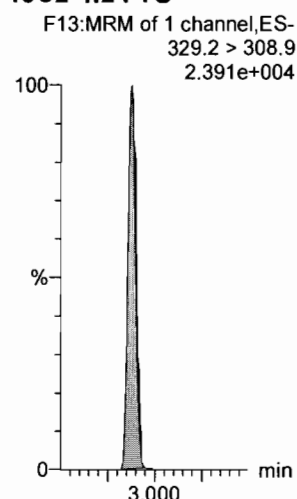
13C3-PFPeA



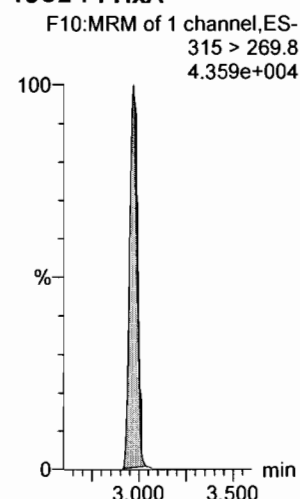
13C3-PFBS



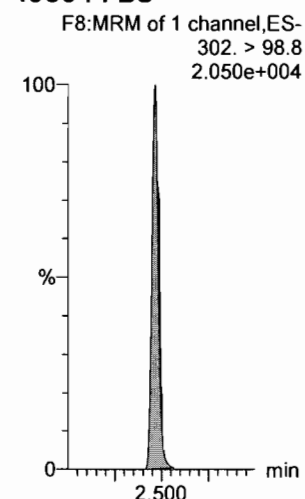
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

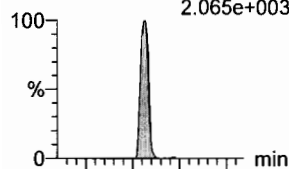
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

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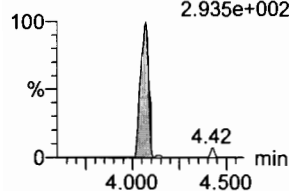
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6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
2.065e+003

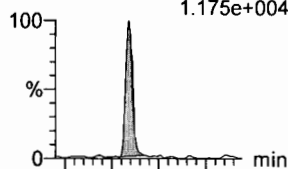


F24:MRM of 2 channels,ES-
427.1 > 80
2.935e+002

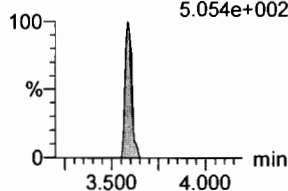


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.175e+004

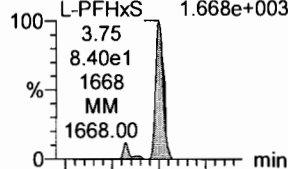


F16:MRM of 2 channels,ES-
363.0 > 169.0
5.054e+002

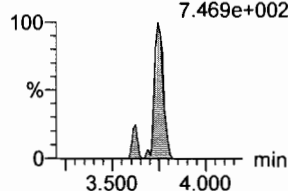


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.668e+003

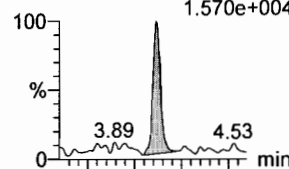


F18:MRM of 2 channels,ES-
398.9 > 99.0
7.469e+002

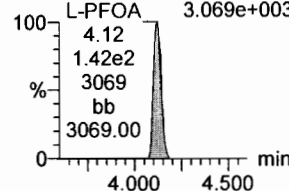


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.570e+004

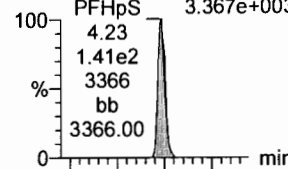


F21:MRM of 2 channels,ES-
413 > 169
3.069e+003

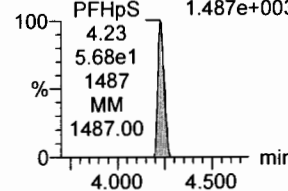


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
3.367e+003

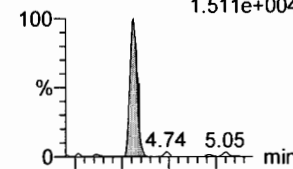


F26:MRM of 2 channels,ES-
449 > 98.7
1.487e+003

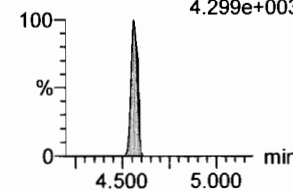


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
1.511e+004

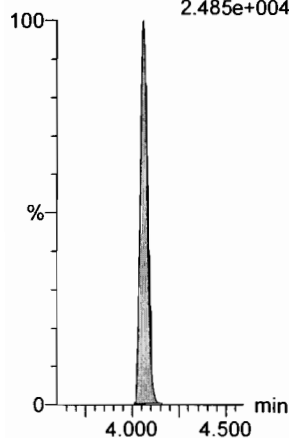


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.299e+003



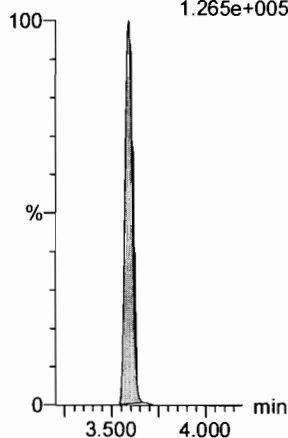
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.485e+004



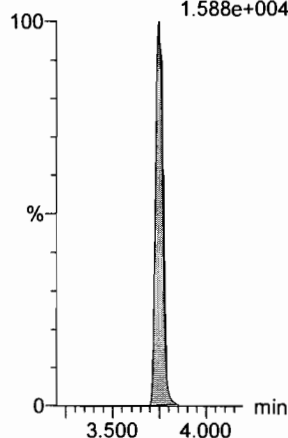
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.265e+005



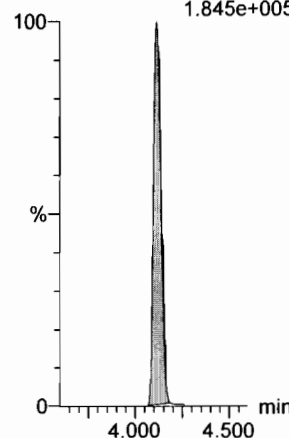
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.588e+004



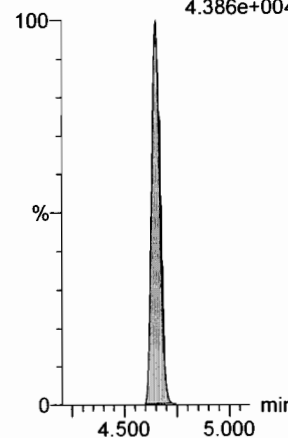
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.845e+005



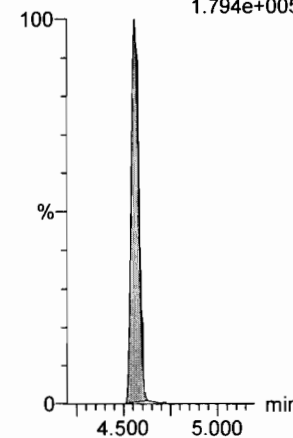
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.386e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.794e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

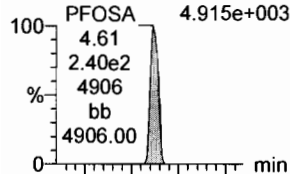
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

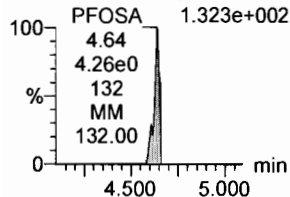
Name: 180722M1_4, Date: 22-Jul-2018, Time: 16:52:46, ID: ST180722M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
4.915e+003

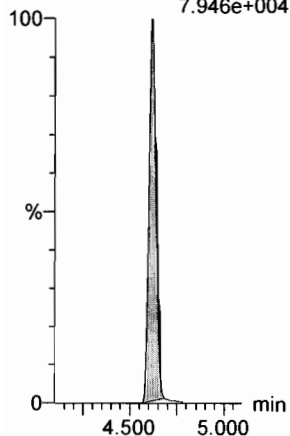


F30:MRM of 2 channels,ES-
498.2 > 169.1
1.323e+002



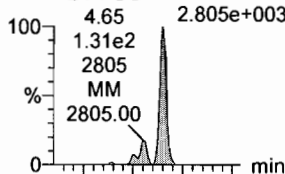
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
7.946e+004

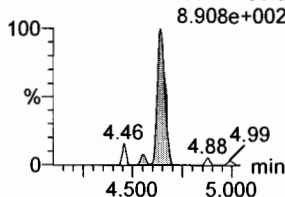


L-PFOS

F32:MRM of 2 channels,ES-
L-PFOS 499.1 > 79.9
2.805e+003

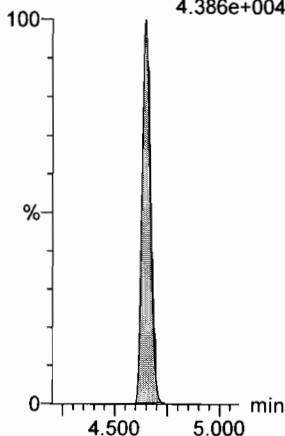


F32:MRM of 2 channels,ES-
499.1 > 98.9
8.908e+002



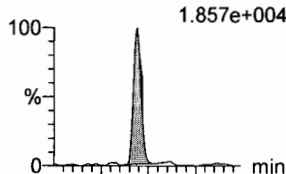
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.386e+004

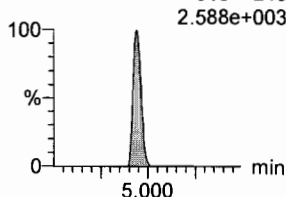


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
1.857e+004

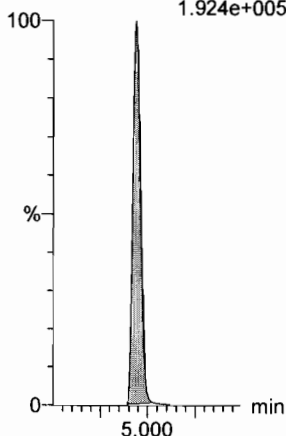


F37:MRM of 2 channels,ES-
513 > 219
2.588e+003



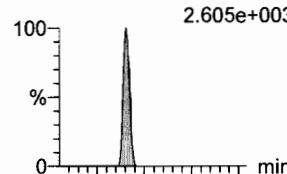
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
1.924e+005

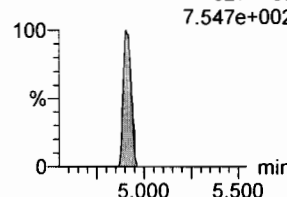


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
2.605e+003

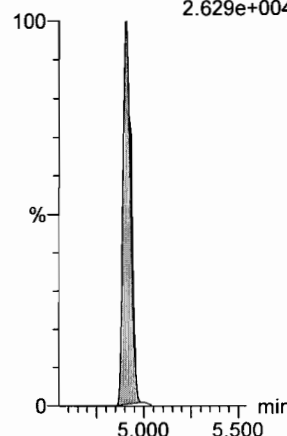


F42:MRM of 2 channels,ES-
527 > 80
7.547e+002



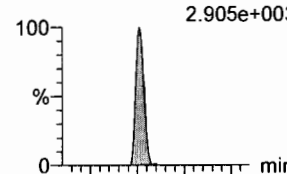
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
2.629e+004

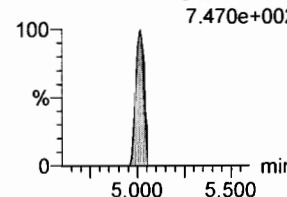


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
2.905e+003

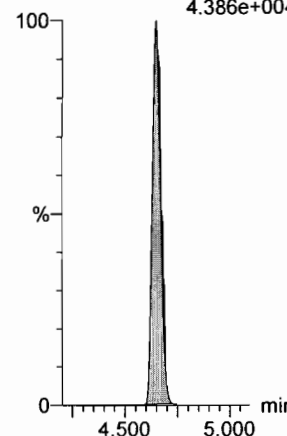


F45:MRM of 2 channels,ES-
549.1 > 99.1
7.470e+002



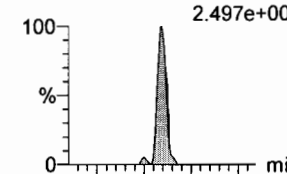
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.386e+004

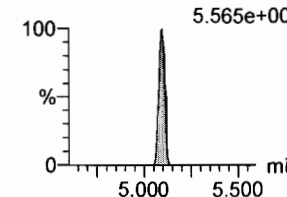


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
2.497e+003

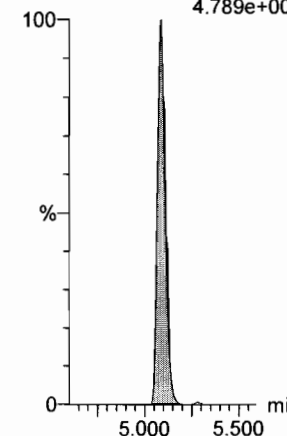


F48:MRM of 2 channels,ES-
570.1 > 483.0
5.565e+002



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
4.789e+004

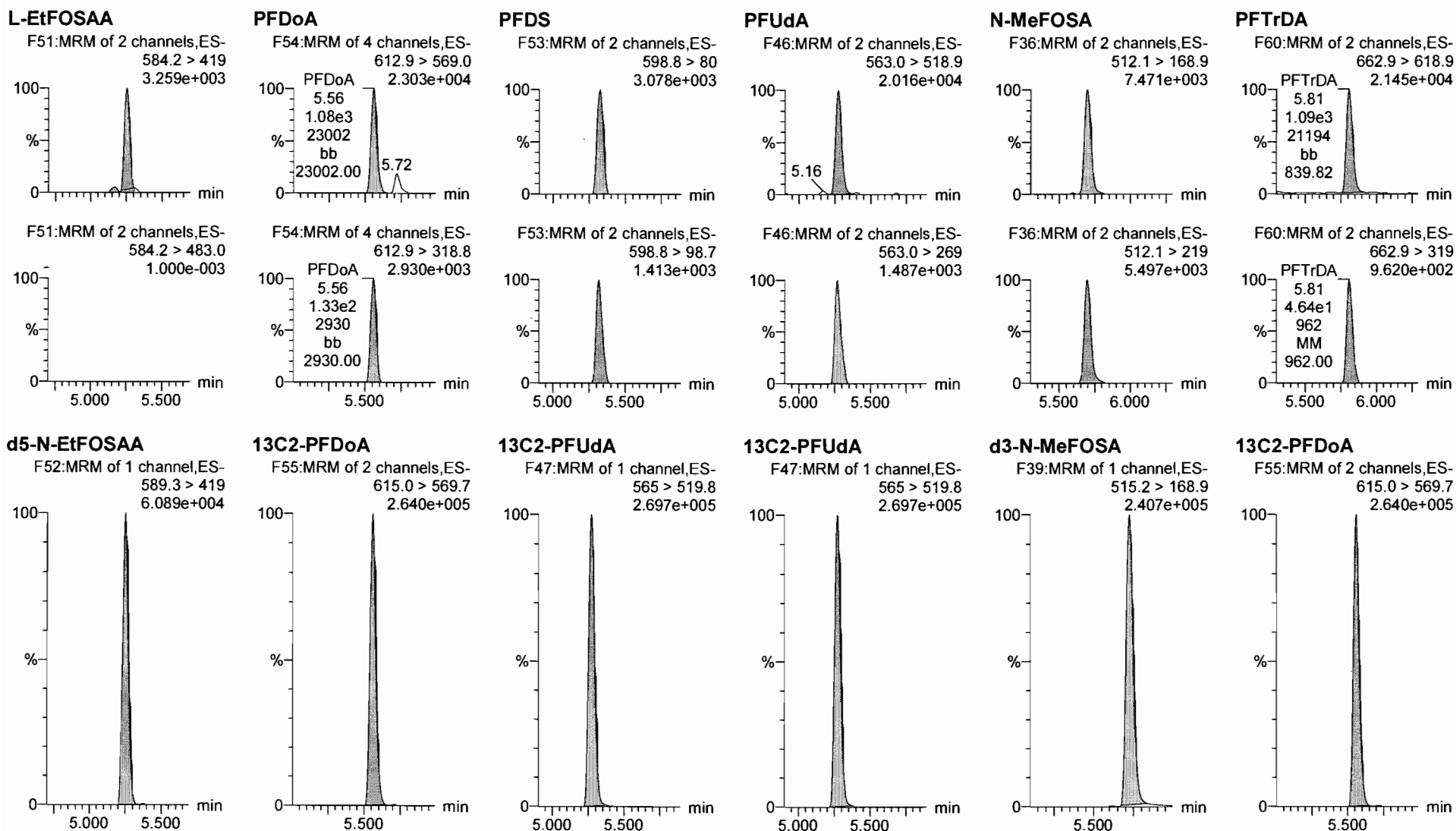


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_4, Date: 22-Jul-2018, Time: 16:52:46, ID: ST180722M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

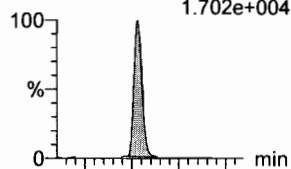
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

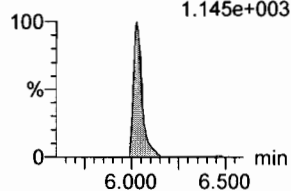
Name: 180722M1_4, Date: 22-Jul-2018, Time: 16:52:46, ID: ST180722M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.702e+004



F61:MRM of 2 channels,ES-
712.9 > 369
1.145e+003

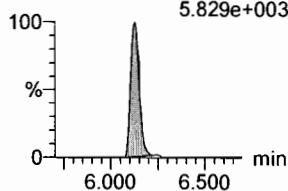


N-EtFOFA

F41:MRM of 2 channels,ES-
526.1 > 168.9
7.104e+003

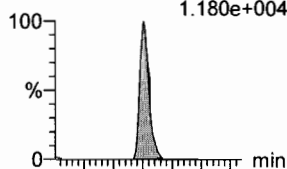


F41:MRM of 2 channels,ES-
526.1 > 219
5.829e+003

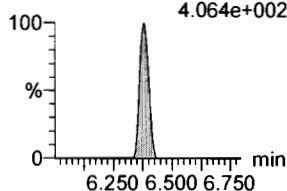


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.180e+004

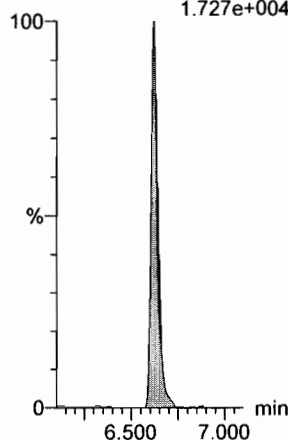


F63:MRM of 2 channels,ES-
813.1 > 219
4.064e+002



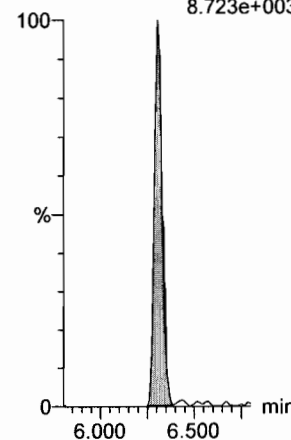
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.727e+004



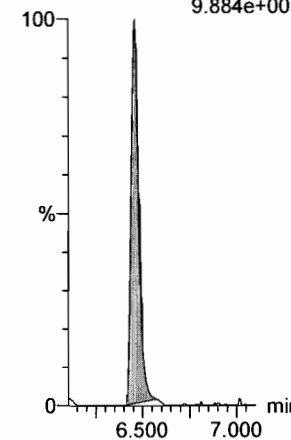
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
8.723e+003



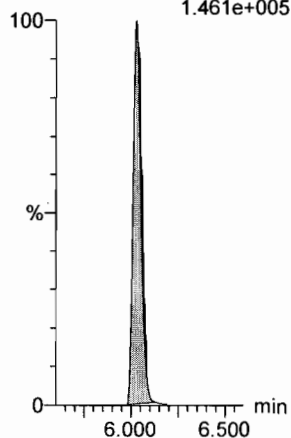
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
9.884e+003



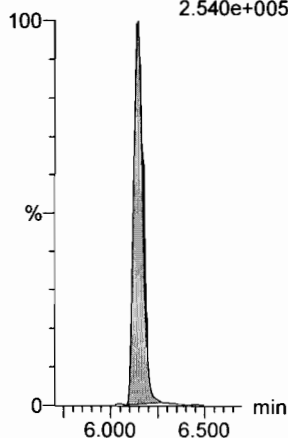
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.461e+005



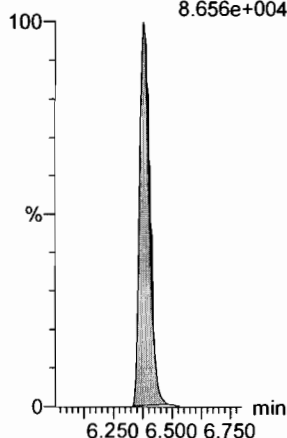
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.540e+005



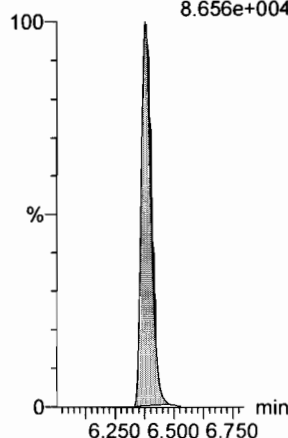
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.656e+004



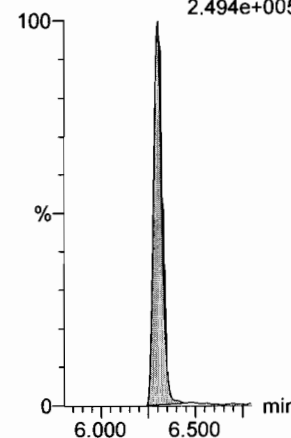
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.656e+004



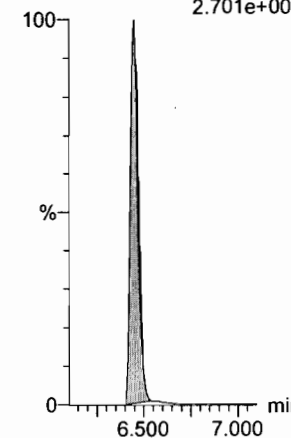
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.494e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.701e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

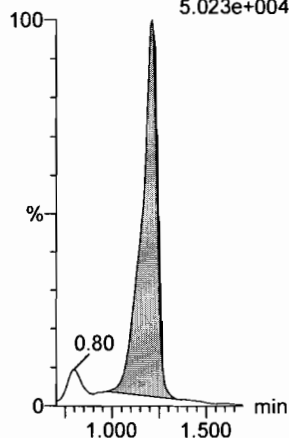
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_4, Date: 22-Jul-2018, Time: 16:52:46, ID: ST180722M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

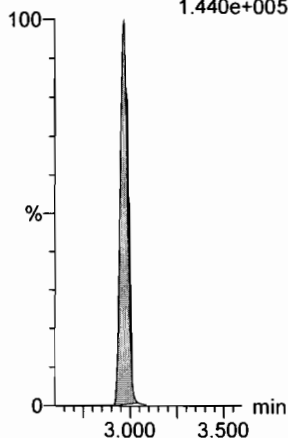
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.023e+004



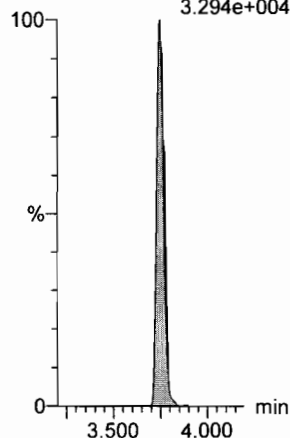
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.440e+005



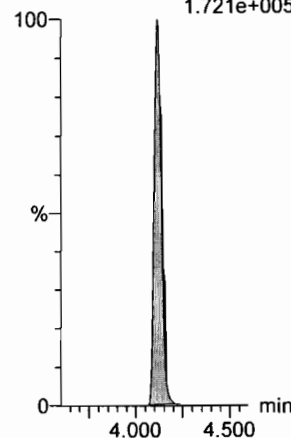
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.294e+004



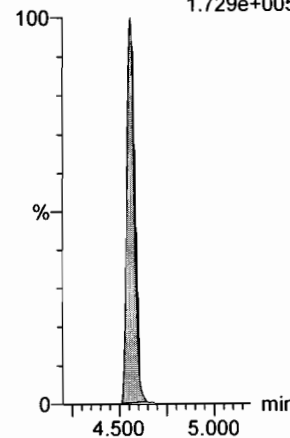
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.721e+005



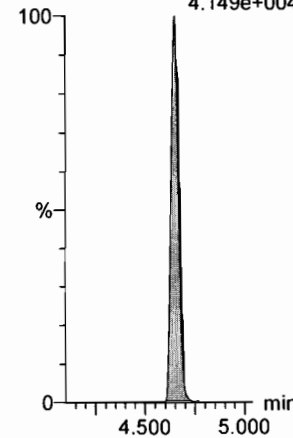
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.729e+005



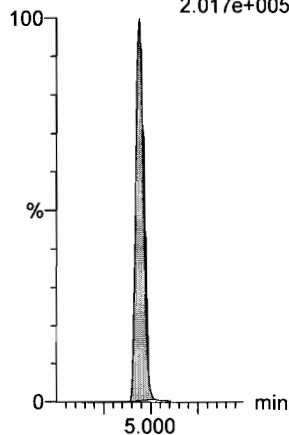
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.149e+004



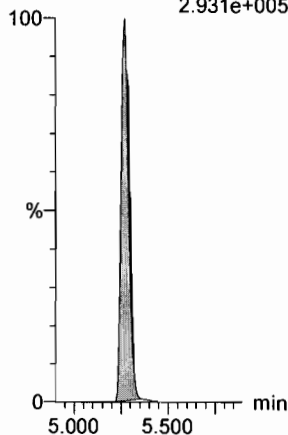
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.017e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.931e+005



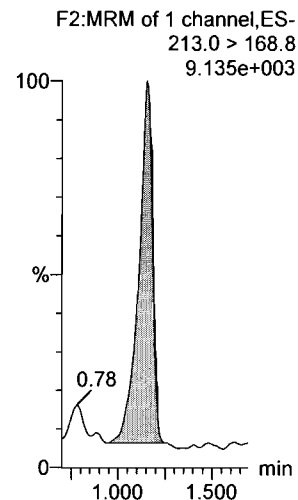
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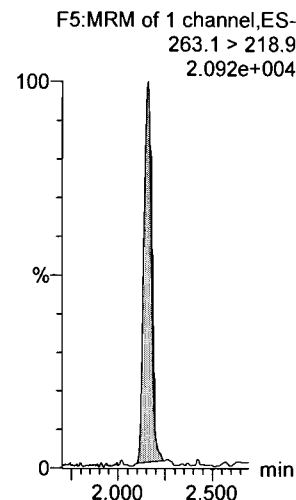
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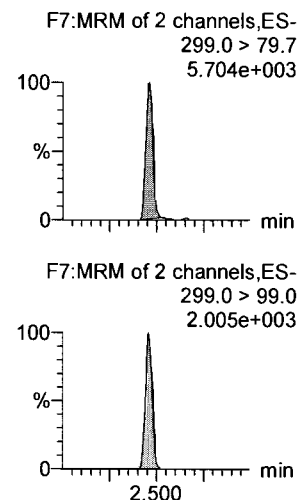
PFBA



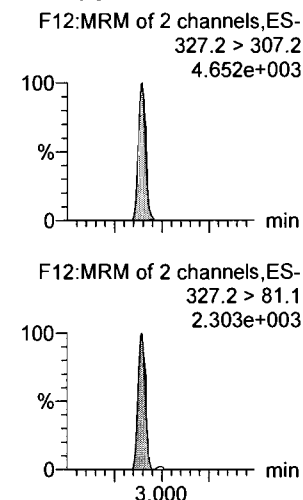
PFPeA



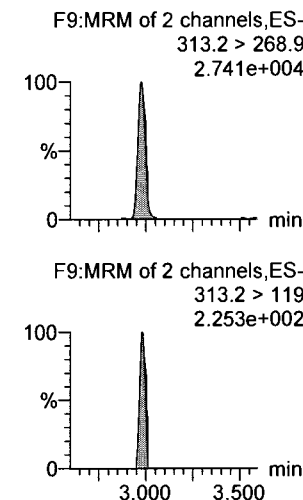
PFBS



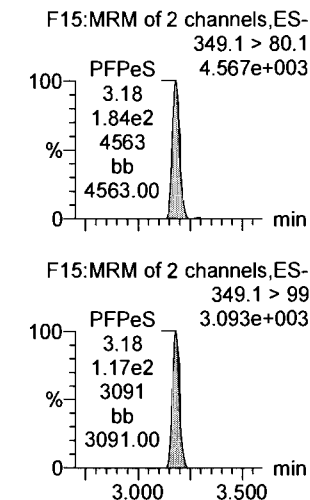
4:2 FTS



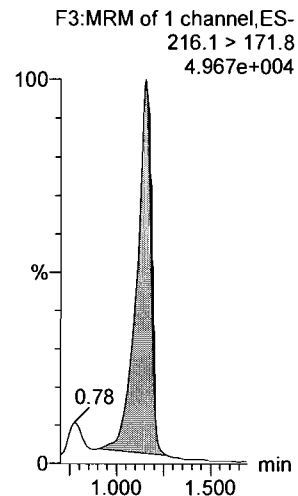
PFHxA



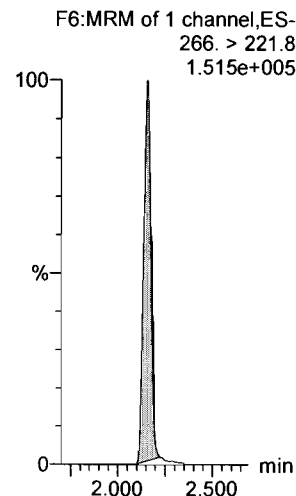
PFPeS



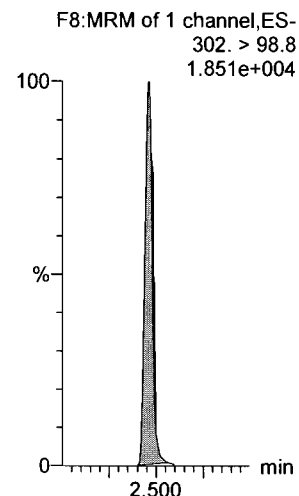
13C3-PFBA



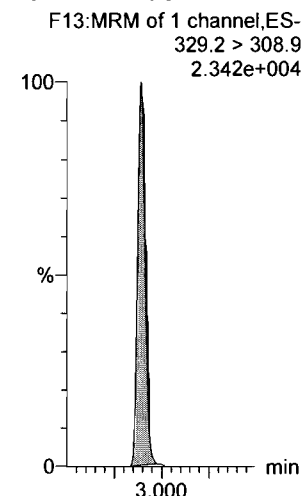
13C3-PFPeA



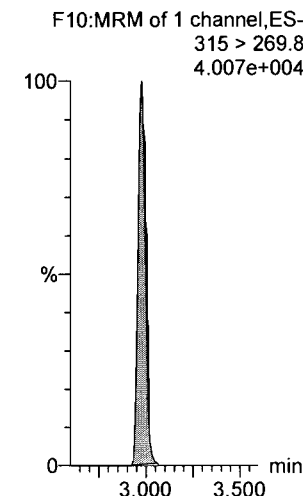
13C3-PFBS



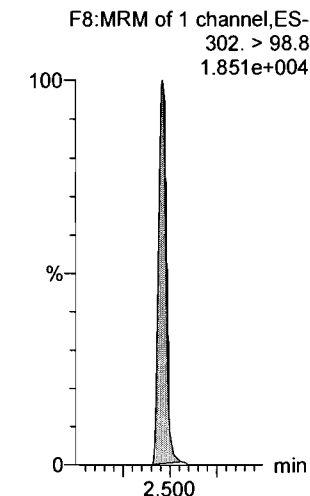
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

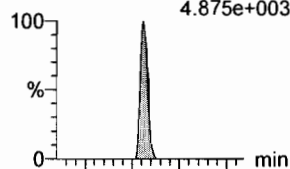
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

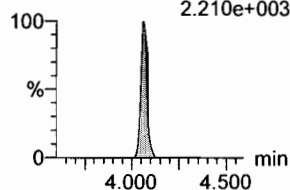
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6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
4.875e+003

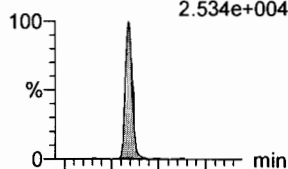


F24:MRM of 2 channels,ES-
427.1 > 80
2.210e+003

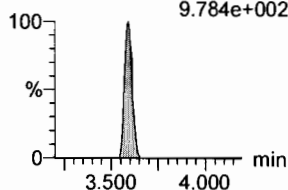


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
2.534e+004

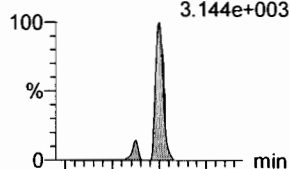


F16:MRM of 2 channels,ES-
363.0 > 169.0
9.784e+002

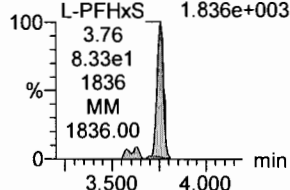


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
3.144e+003

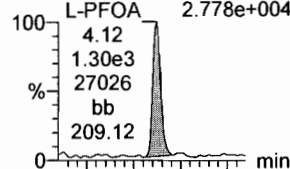


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.836e+003

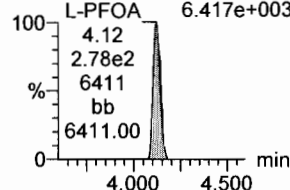


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
2.778e+004

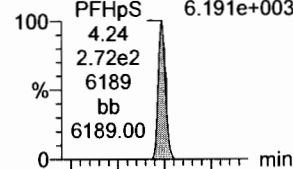


F21:MRM of 2 channels,ES-
413 > 169
6.417e+003

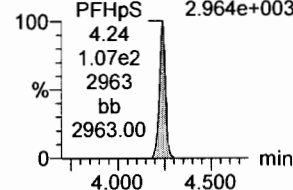


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
6.191e+003

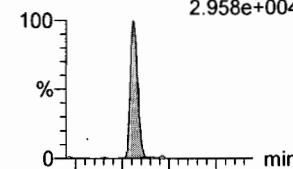


F26:MRM of 2 channels,ES-
449 > 98.7
2.964e+003

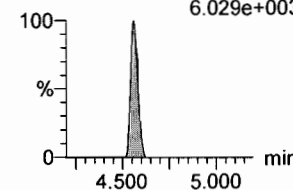


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
2.958e+004

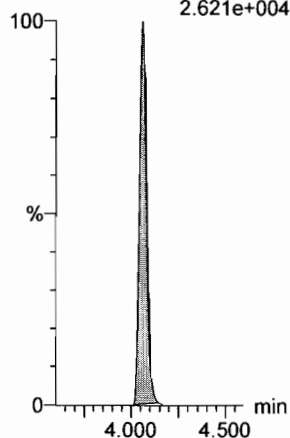


F27:MRM of 2 channels,ES-
463.0 > 219.0
6.029e+003



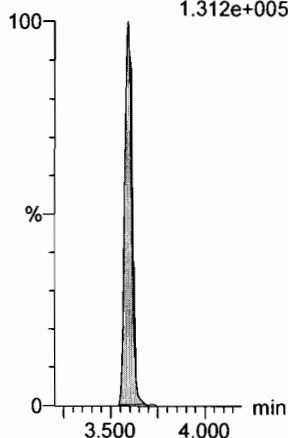
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.621e+004



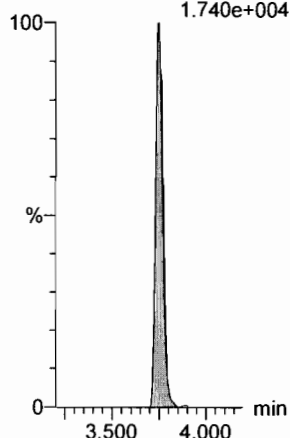
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.312e+005



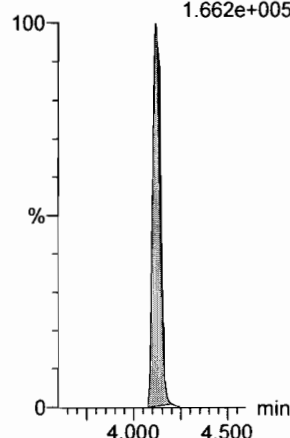
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.740e+004



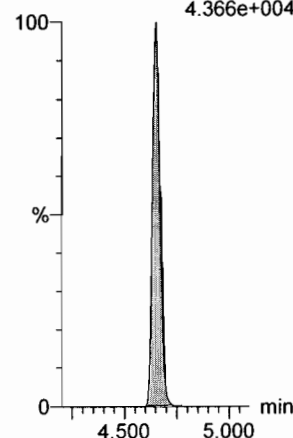
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.662e+005



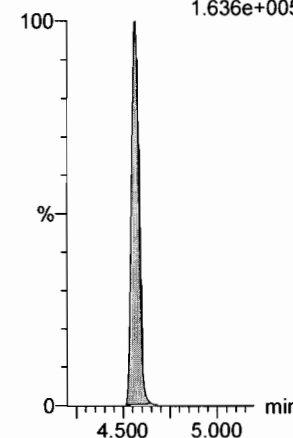
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.366e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.636e+005



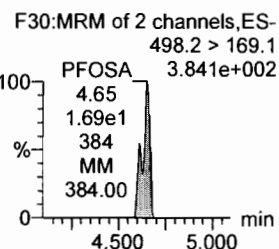
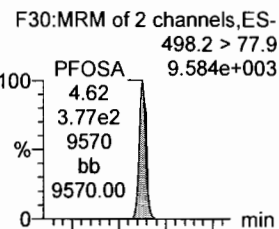
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

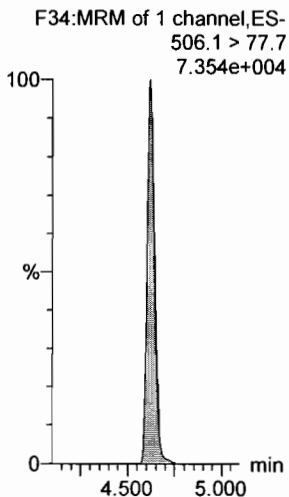
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_5, Date: 22-Jul-2018, Time: 17:03:11, ID: ST180722M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

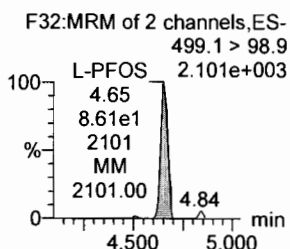
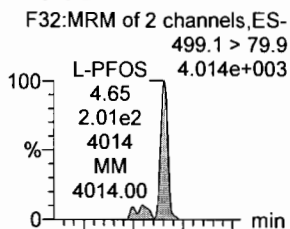
PFOSA



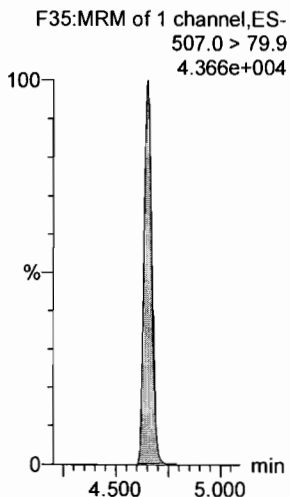
13C8-PFOSA



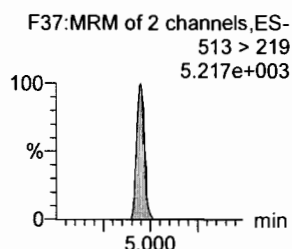
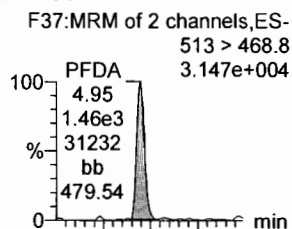
L-PFOS



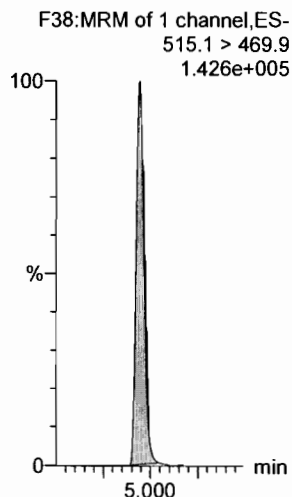
13C8-PFOS



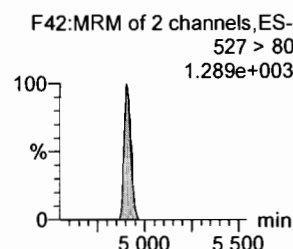
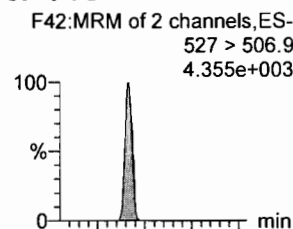
PFDA



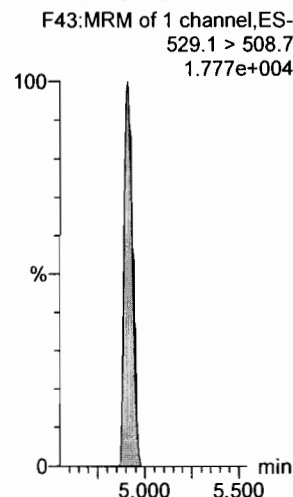
13C2-PFDA



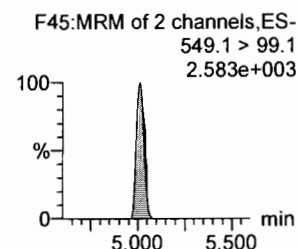
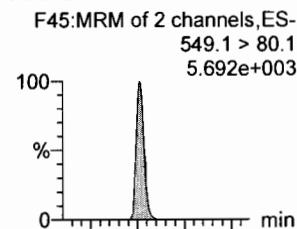
8:2 FTS



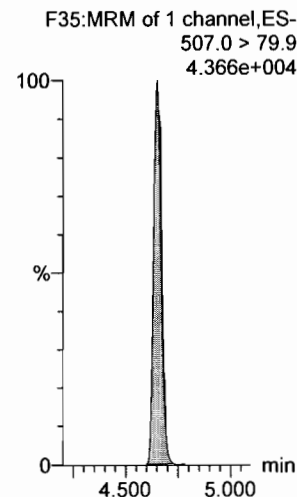
13C2-8:2 FTS



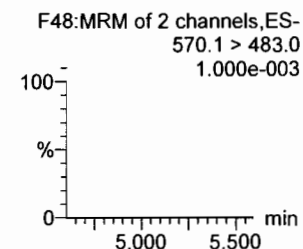
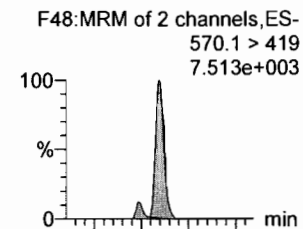
PFNS



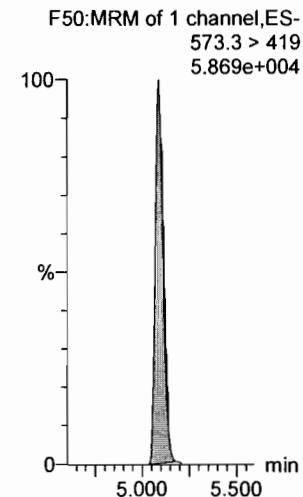
13C8-PFOS



L-MeFOSAA



d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

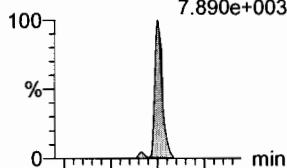
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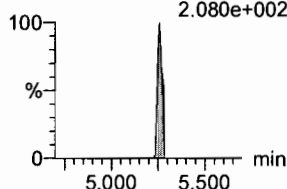
Name: 180722M1_5, Date: 22-Jul-2018, Time: 17:03:11, ID: ST180722M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
7.890e+003

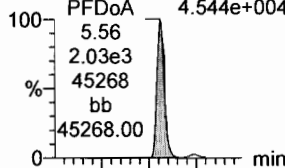


F51:MRM of 2 channels,ES-
584.2 > 483.0
2.080e+002

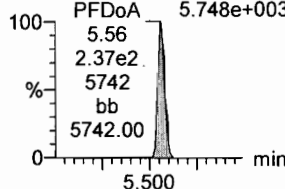


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
4.544e+004

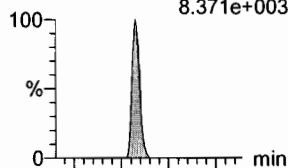


F54:MRM of 4 channels,ES-
612.9 > 318.8
5.748e+003

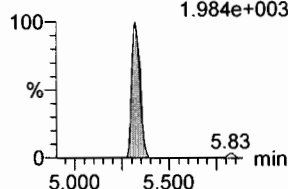


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
8.371e+003

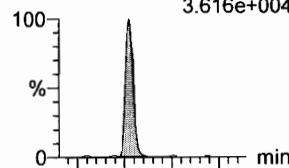


F53:MRM of 2 channels,ES-
598.8 > 98.7
1.984e+003

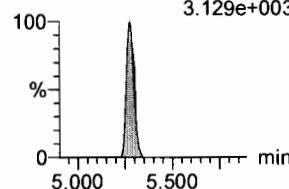


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
3.616e+004

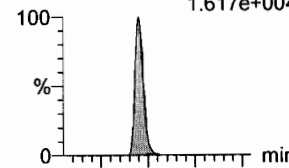


F46:MRM of 2 channels,ES-
563.0 > 269
3.129e+003

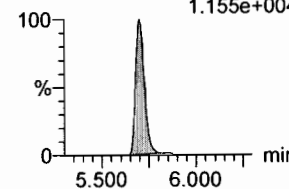


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
1.617e+004

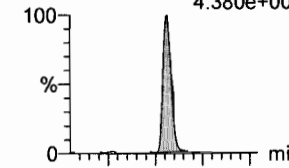


F36:MRM of 2 channels,ES-
512.1 > 219
1.155e+004

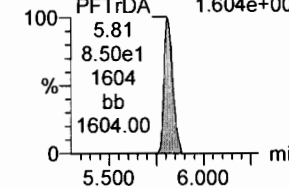


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
4.380e+004

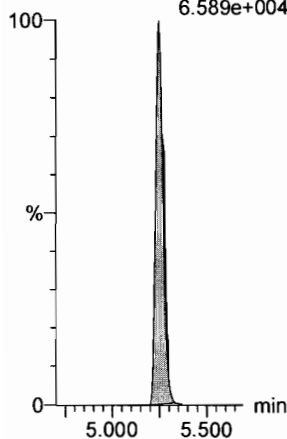


F60:MRM of 2 channels,ES-
662.9 > 319
1.604e+003



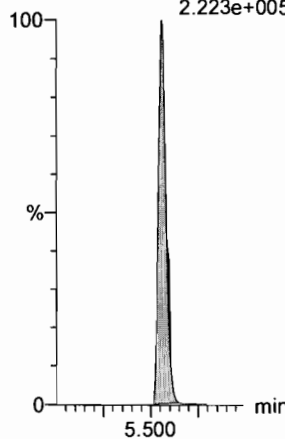
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
6.589e+004



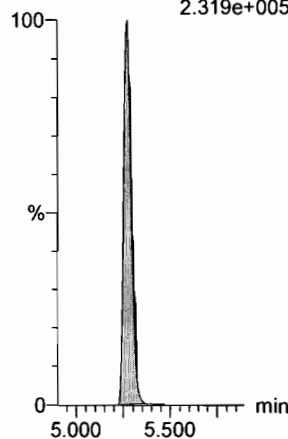
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.223e+005



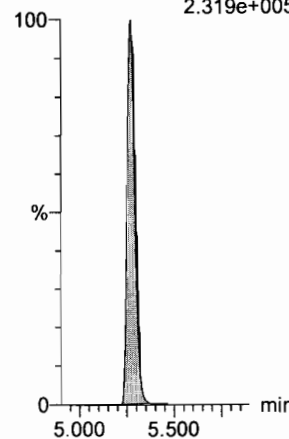
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.319e+005



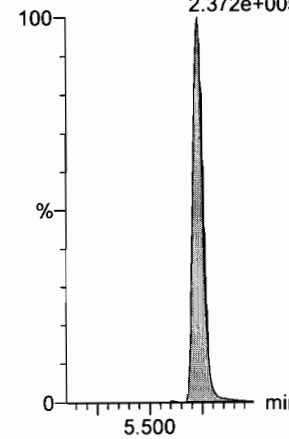
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.319e+005



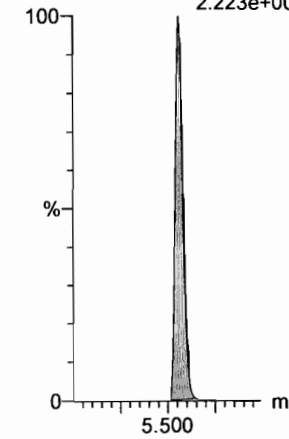
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.372e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.223e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

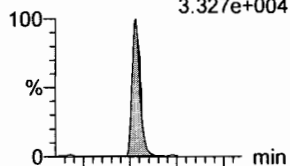
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

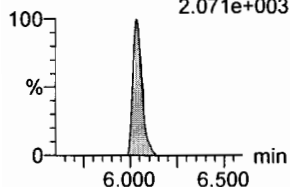
Name: 180722M1_5, Date: 22-Jul-2018, Time: 17:03:11, ID: ST180722M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
3.327e+004

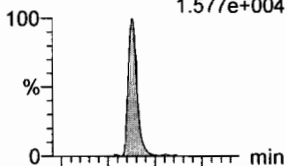


F61:MRM of 2 channels,ES-
712.9 > 369
2.071e+003

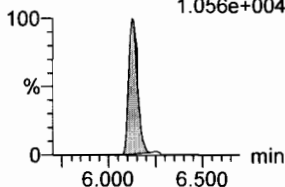


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.577e+004

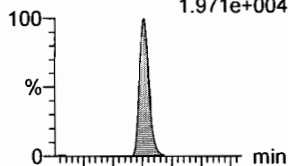


F41:MRM of 2 channels,ES-
526.1 > 219
1.056e+004

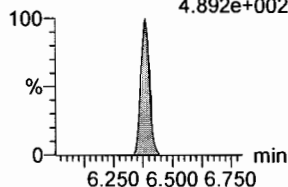


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.971e+004

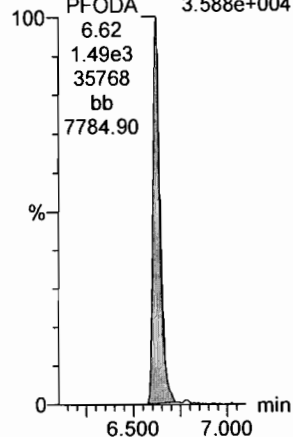


F63:MRM of 2 channels,ES-
813.1 > 219
4.892e+002



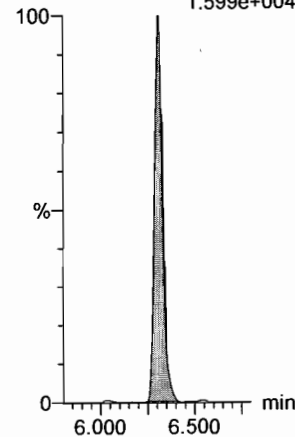
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
3.588e+004



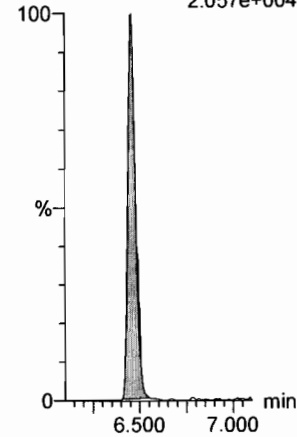
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.599e+004



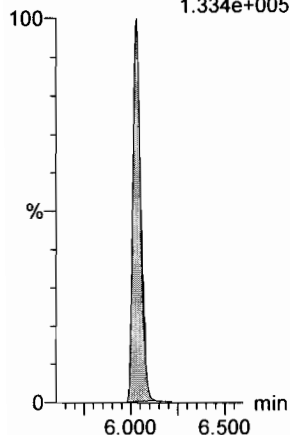
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.057e+004



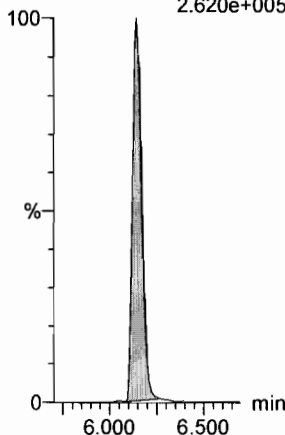
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.334e+005



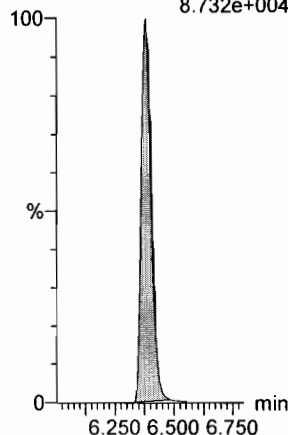
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.620e+005



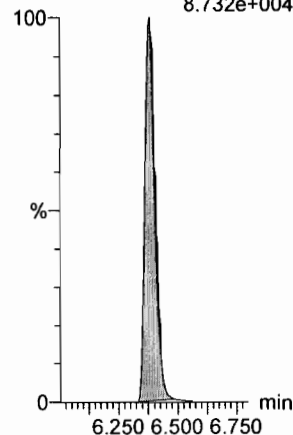
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.732e+004



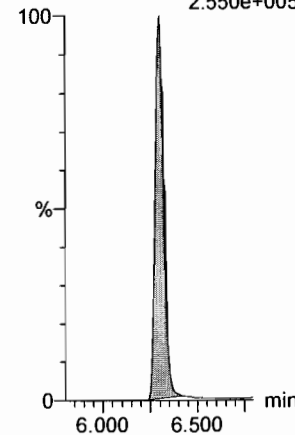
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.732e+004



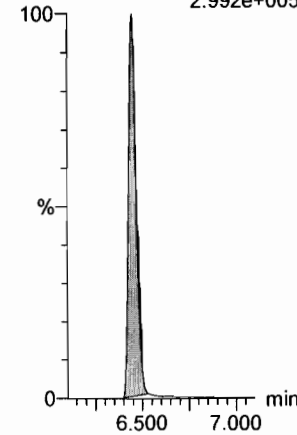
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.550e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.992e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

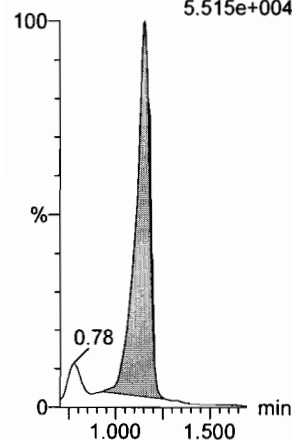
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_5, Date: 22-Jul-2018, Time: 17:03:11, ID: ST180722M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

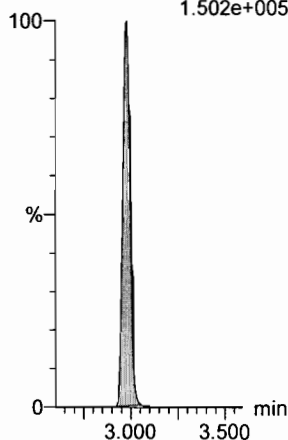
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.515e+004



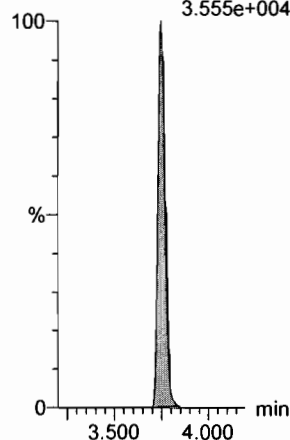
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.502e+005



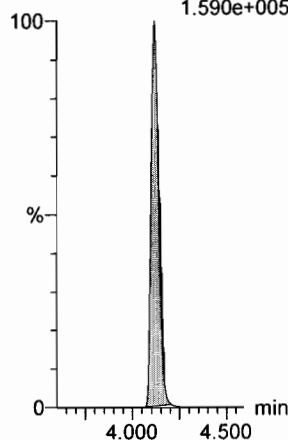
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.555e+004



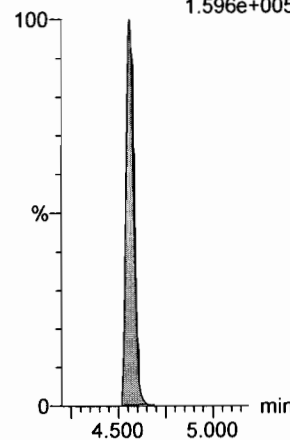
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.590e+005



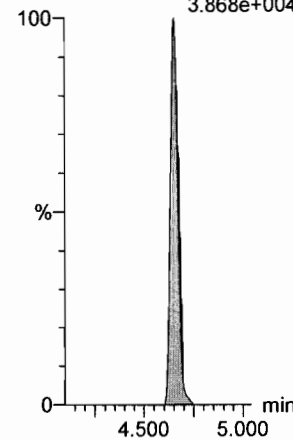
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.596e+005



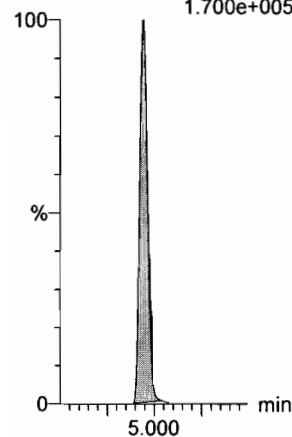
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.868e+004



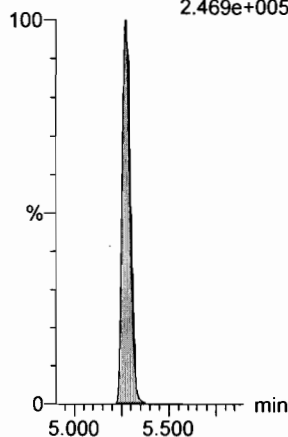
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.700e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.469e+005



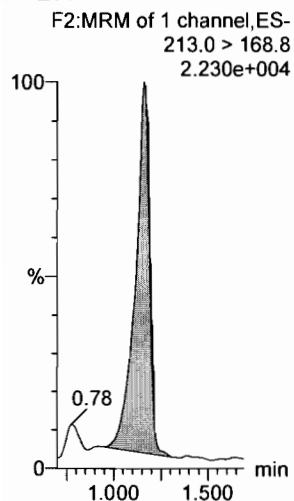
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

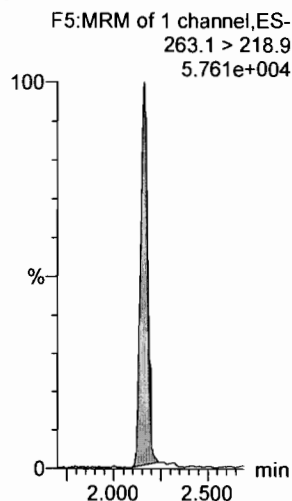
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

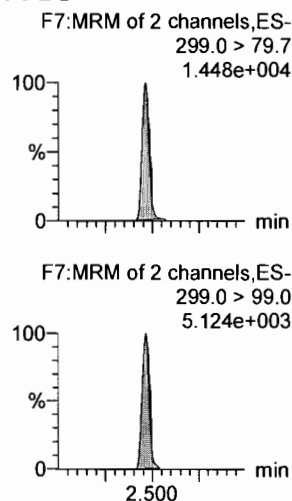
PFBA



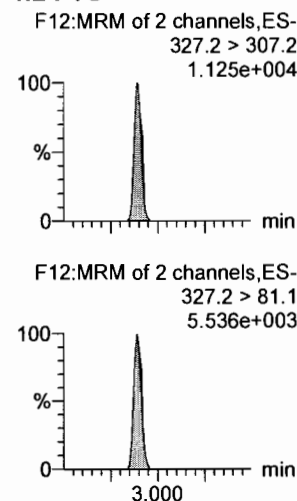
PFPeA



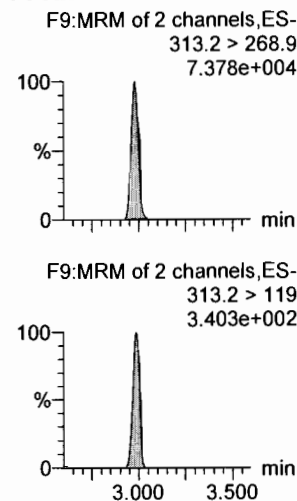
PFBS



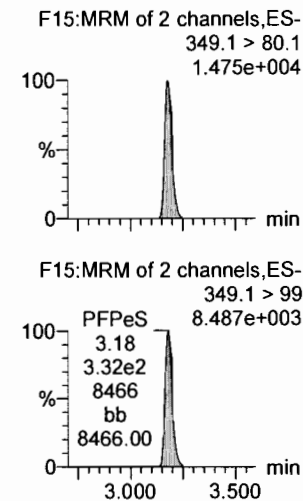
4:2 FTS



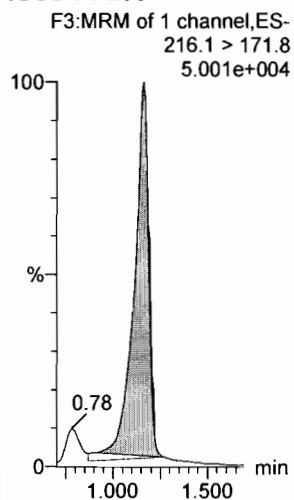
PFHxA



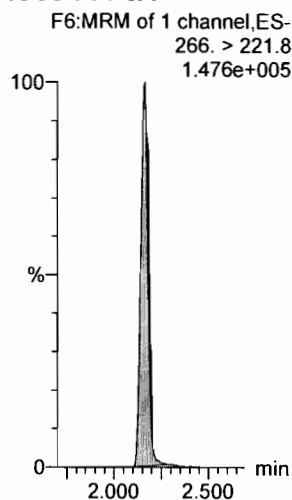
PFPeS



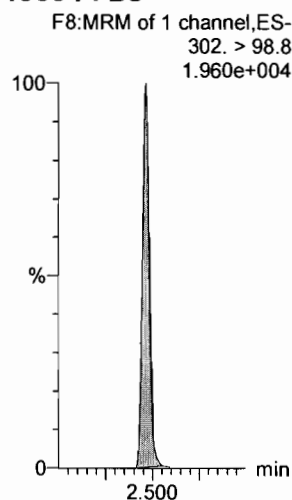
13C3-PFBA



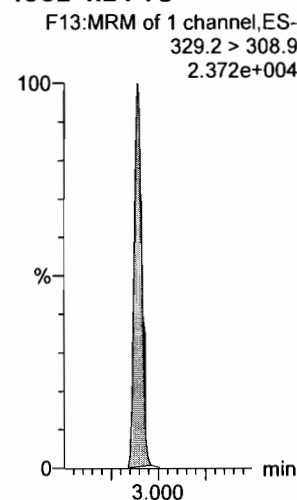
13C3-PFPeA



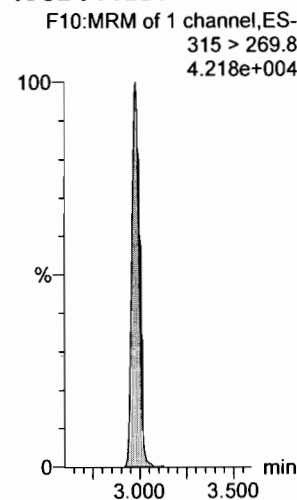
13C3-PFBS



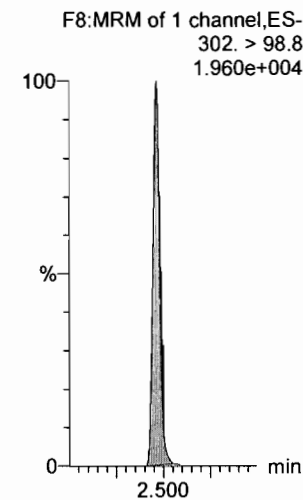
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

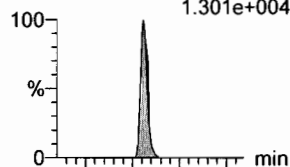
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

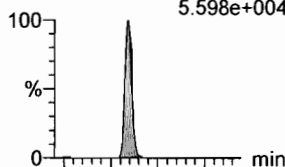
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.301e+004



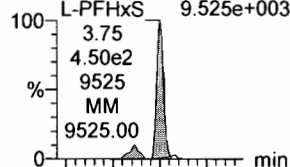
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
5.598e+004



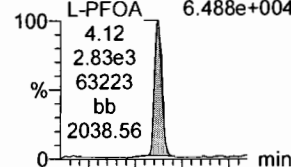
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
9.525e+003



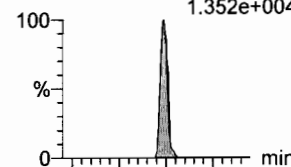
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
6.488e+004



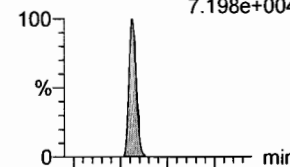
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
1.352e+004

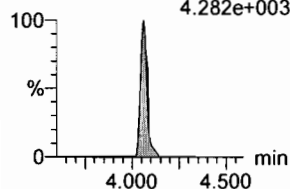


PFNA

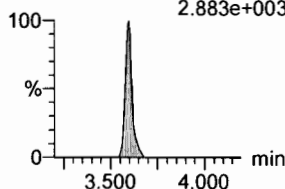
F27:MRM of 2 channels,ES-
463.0 > 418.8
7.198e+004



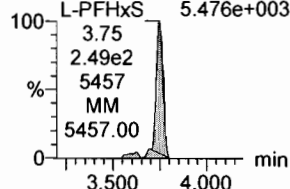
F24:MRM of 2 channels,ES-
427.1 > 80
4.282e+003



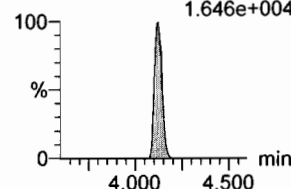
F16:MRM of 2 channels,ES-
363.0 > 169.0
2.883e+003



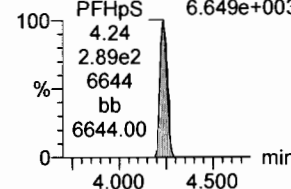
F18:MRM of 2 channels,ES-
398.9 > 99.0
5.476e+003



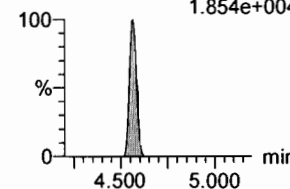
F21:MRM of 2 channels,ES-
413 > 169
1.646e+004



F26:MRM of 2 channels,ES-
449 > 98.7
6.649e+003

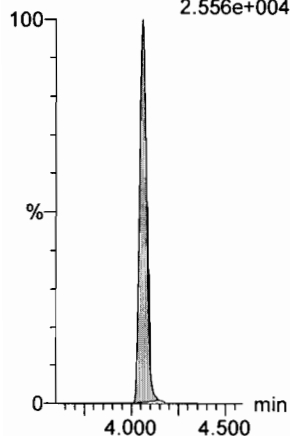


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.854e+004



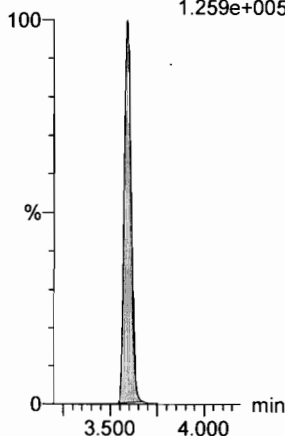
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.556e+004



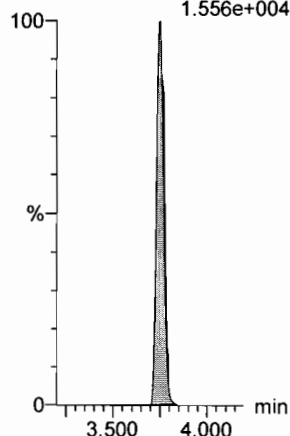
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.259e+005



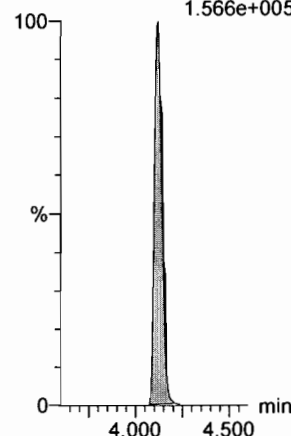
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.556e+004



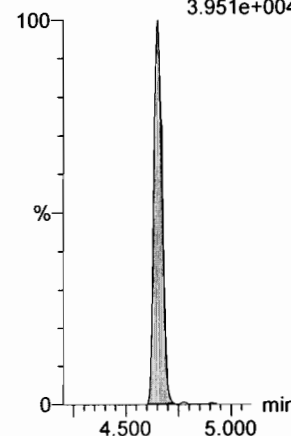
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.566e+005



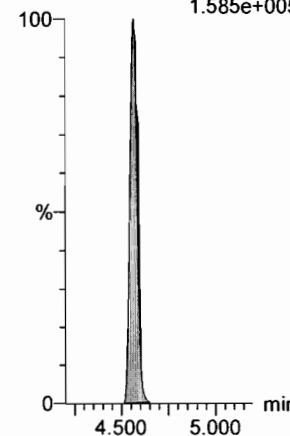
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.951e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.585e+005

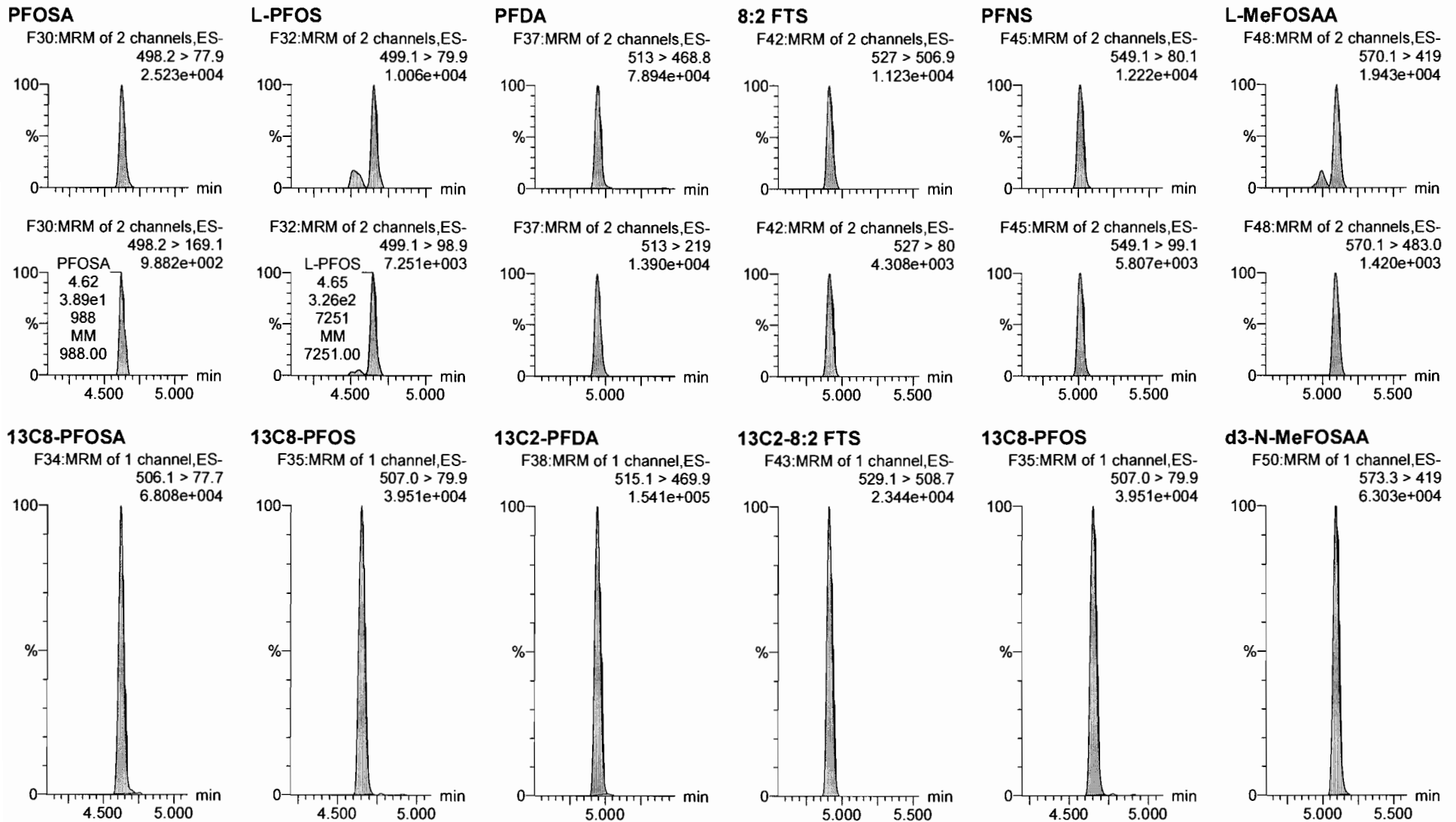


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

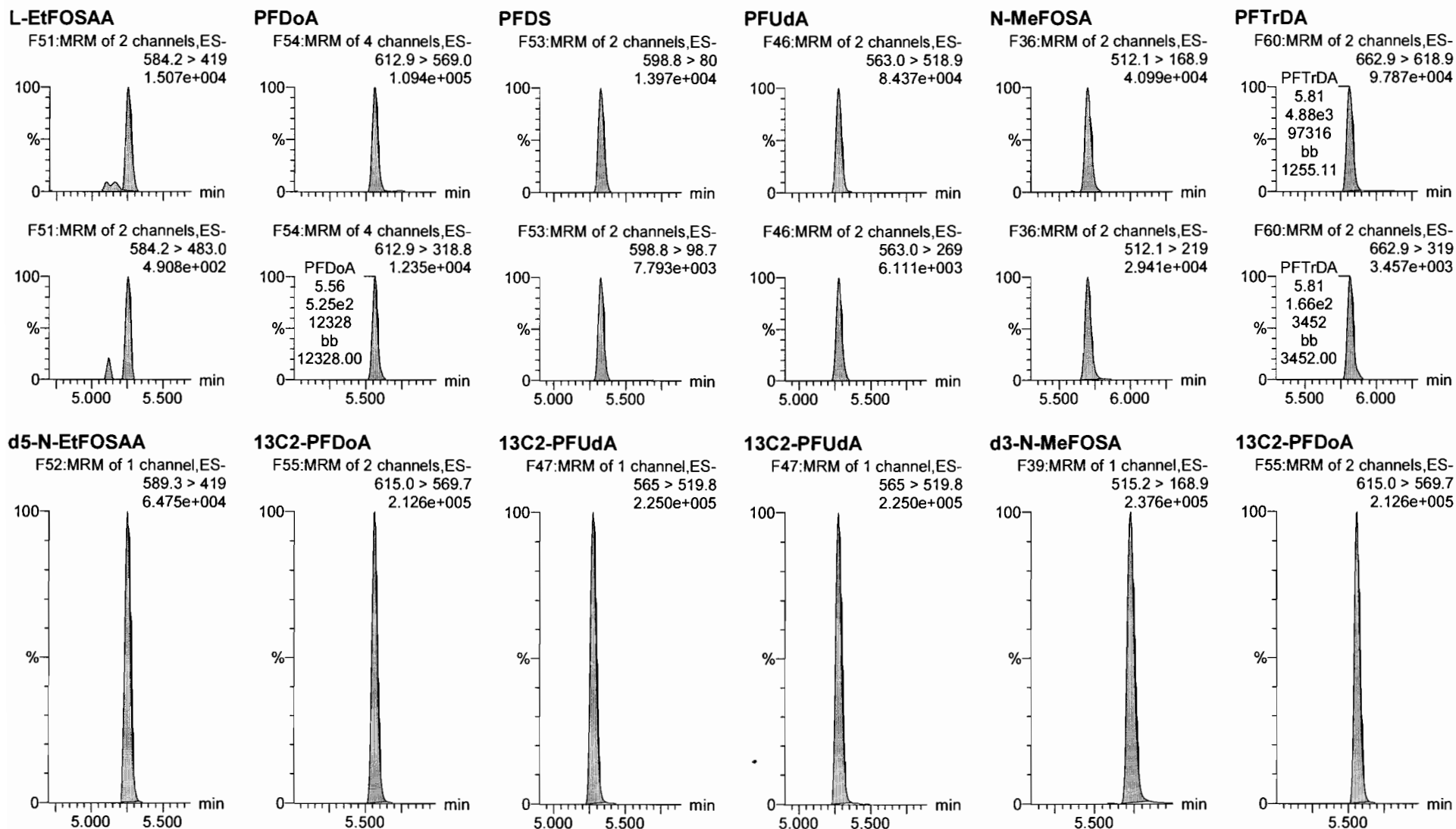


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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

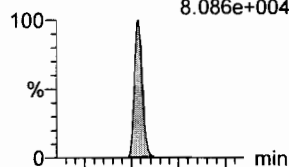
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

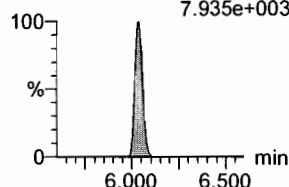
Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
8.086e+004



F61:MRM of 2 channels,ES-
712.9 > 369
7.935e+003

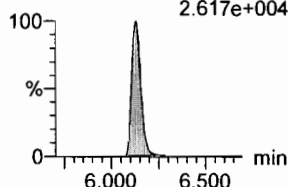


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
3.710e+004

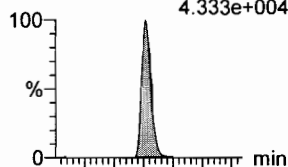


F41:MRM of 2 channels,ES-
526.1 > 219
2.617e+004

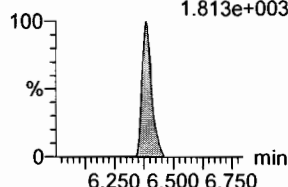


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
4.333e+004

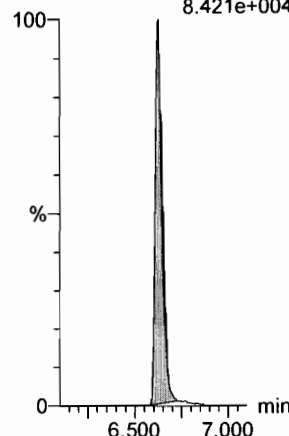


F63:MRM of 2 channels,ES-
813.1 > 219
1.813e+003



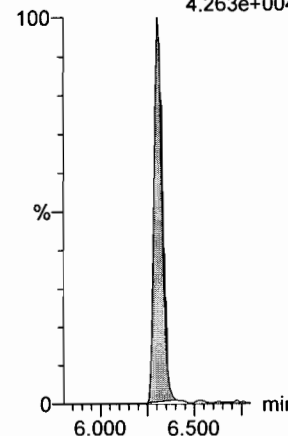
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
8.421e+004



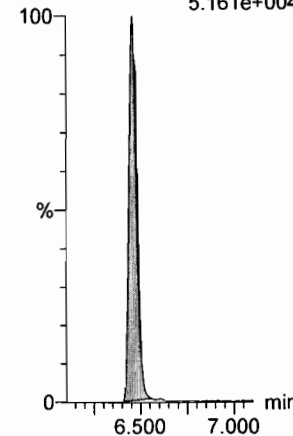
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
4.263e+004



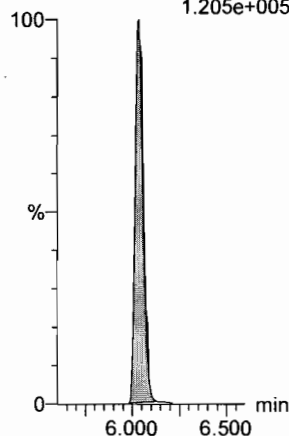
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
5.161e+004



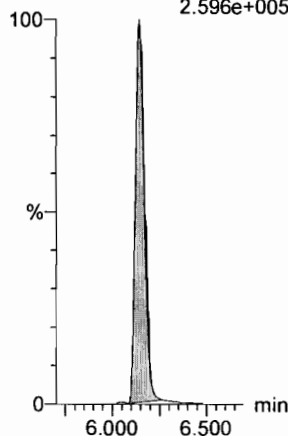
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.205e+005



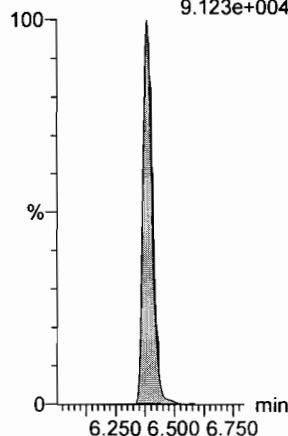
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.596e+005



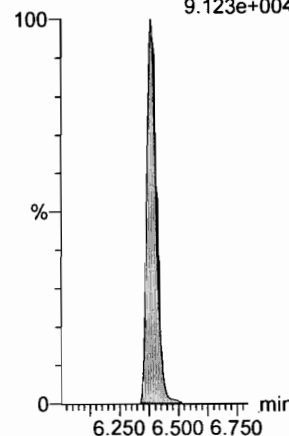
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.123e+004



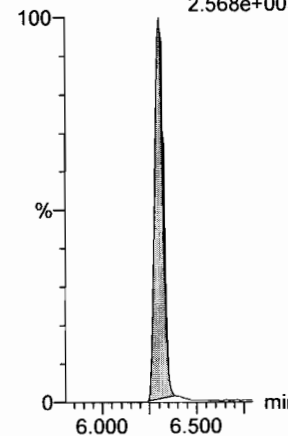
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.123e+004



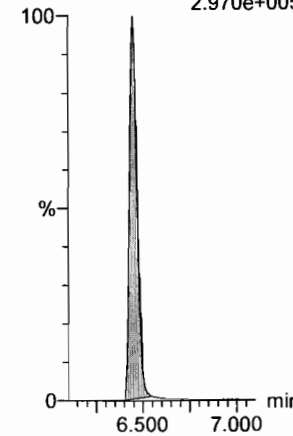
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.568e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.970e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

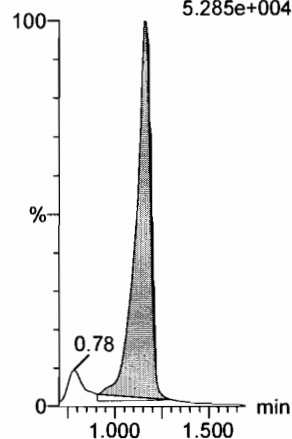
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_6, Date: 22-Jul-2018, Time: 17:13:42, ID: ST180722M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

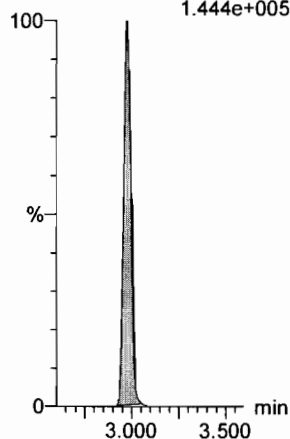
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.285e+004



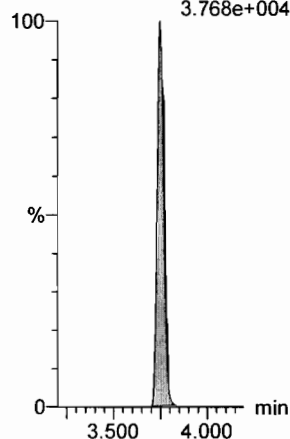
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.444e+005



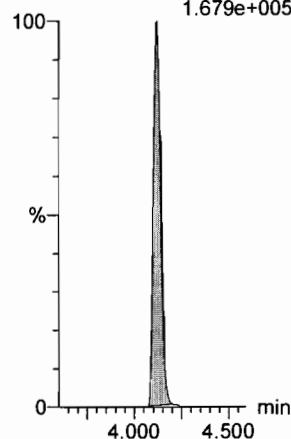
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.768e+004



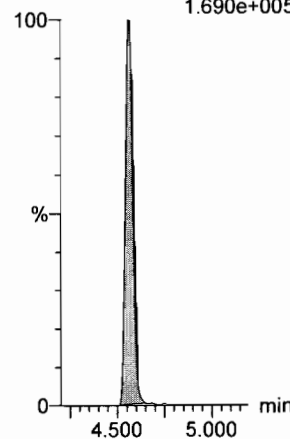
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.679e+005



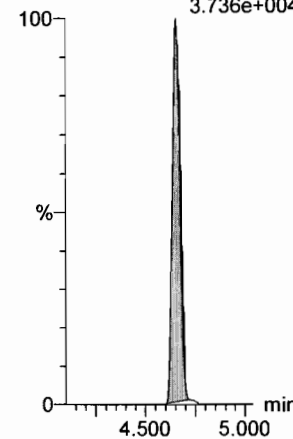
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.690e+005



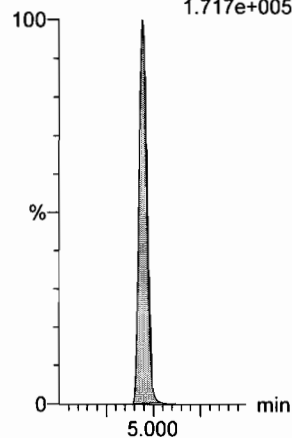
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.736e+004



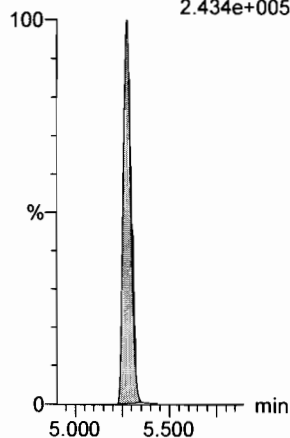
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.717e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.434e+005



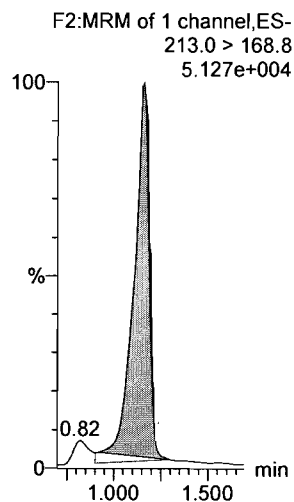
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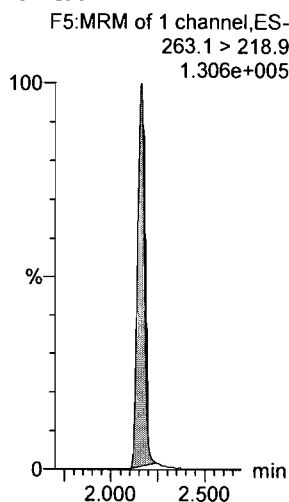
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Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

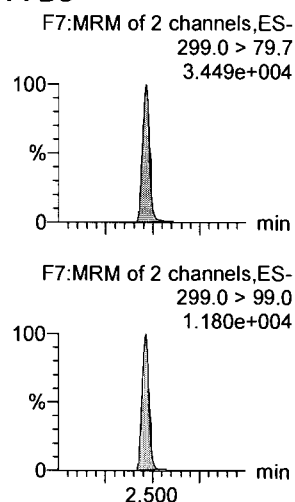
PFBA



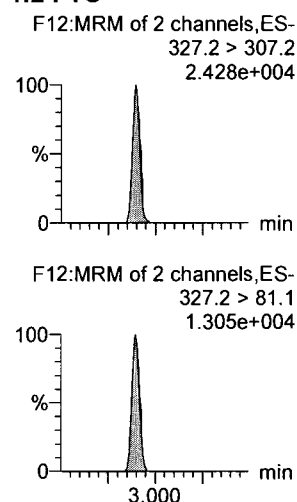
PFPeA



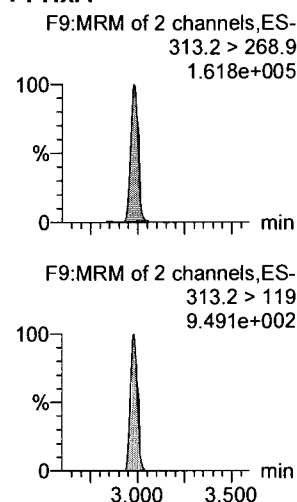
PFBS



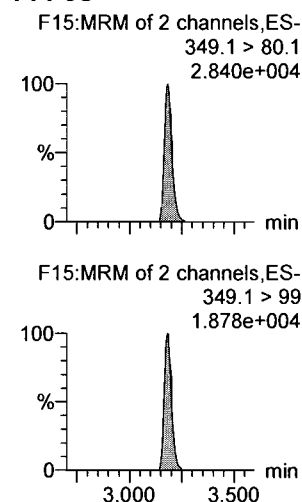
4:2 FTS



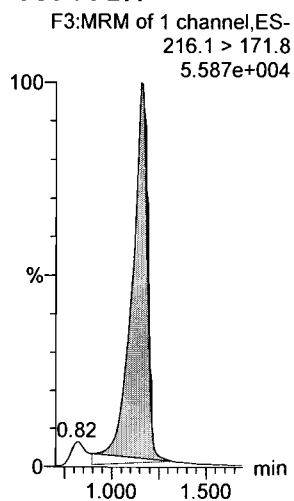
PFHxA



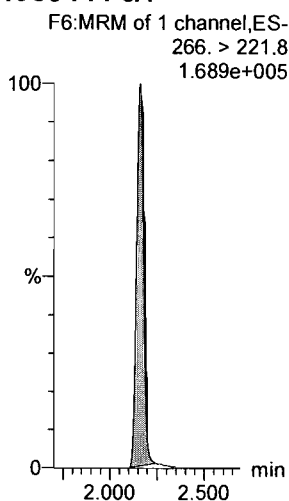
PFPeS



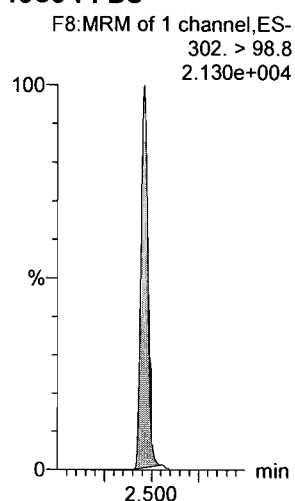
13C3-PFBA



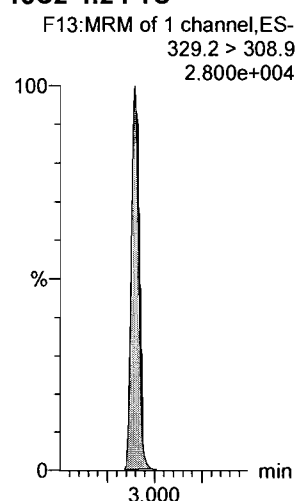
13C3-PFPeA



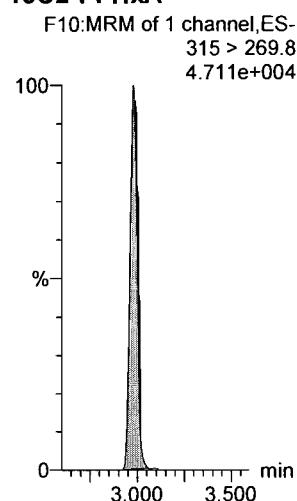
13C3-PFBS



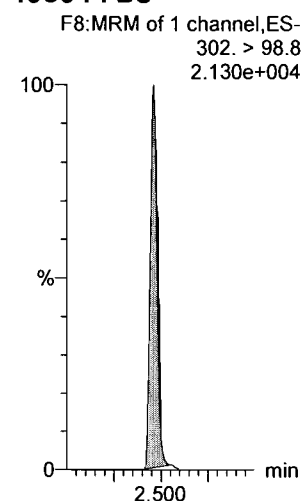
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



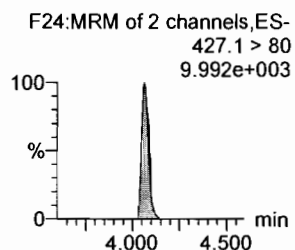
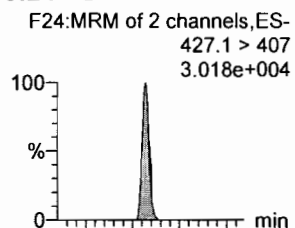
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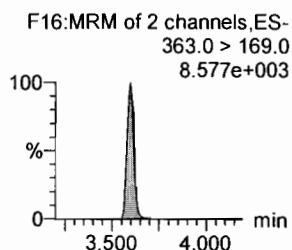
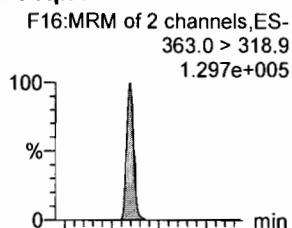
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Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

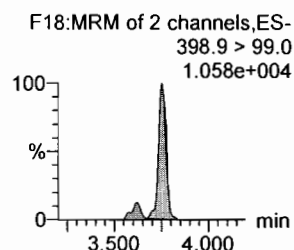
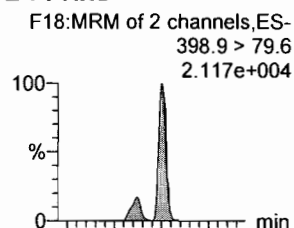
6:2 FTS



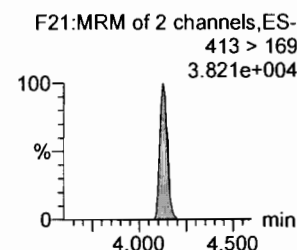
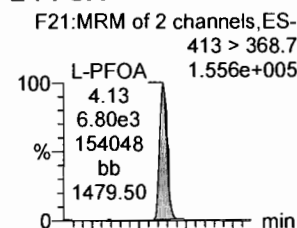
PFHpA



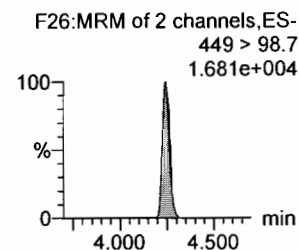
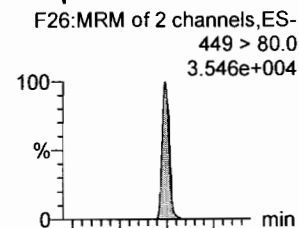
L-PFHxS



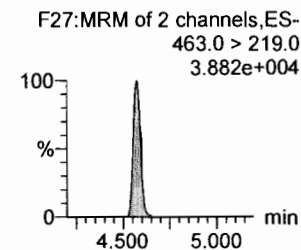
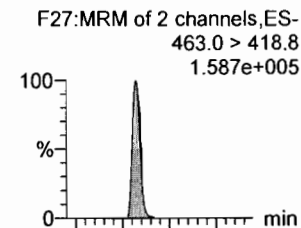
L-PFOA



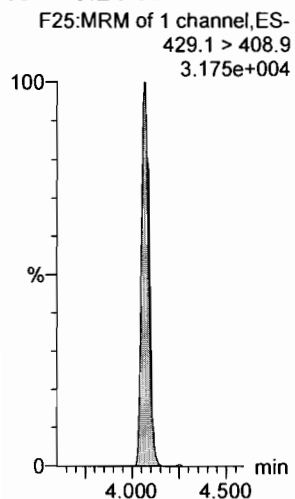
PFHpS



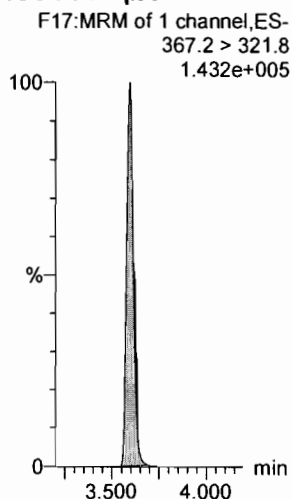
PFNA



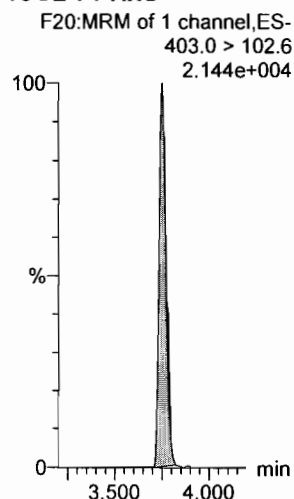
13C2-6:2 FTS



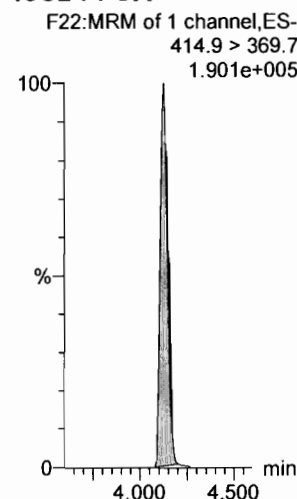
13C4-PFHpA



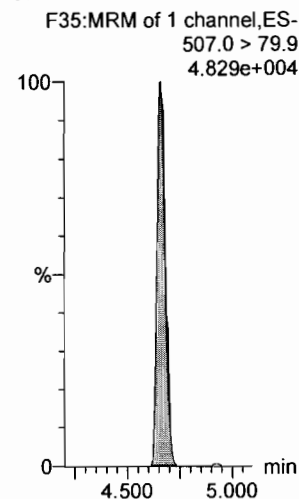
18O2-PFHxS



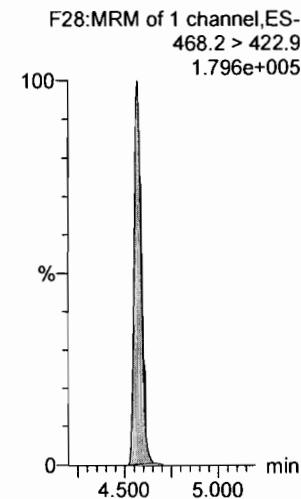
13C2-PFOA



13C8-PFOS



13C5-PFNA



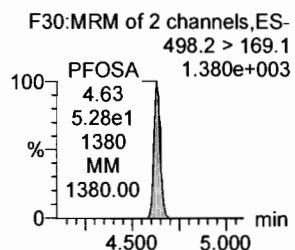
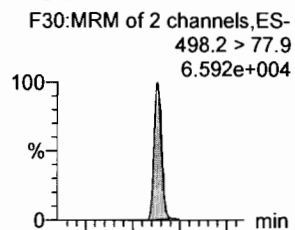
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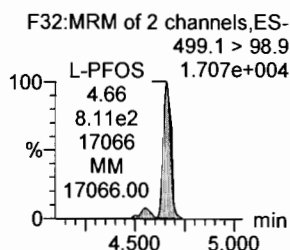
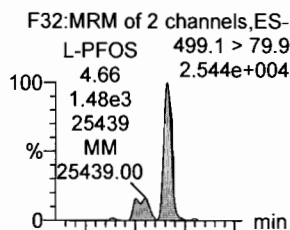
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Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

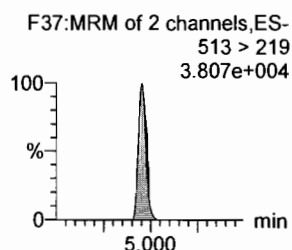
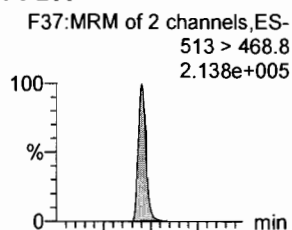
PFOSA



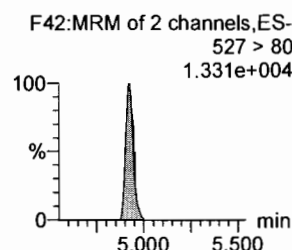
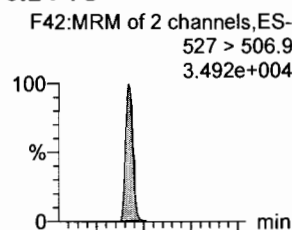
L-PFOS



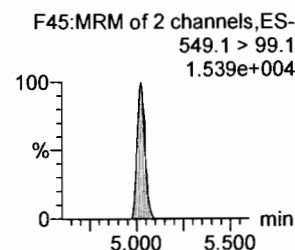
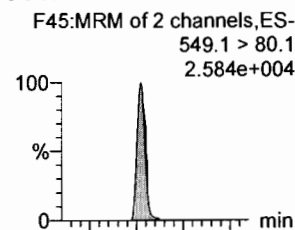
PFDA



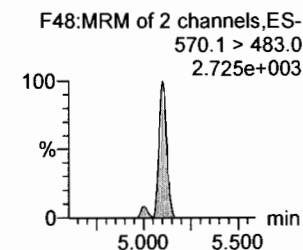
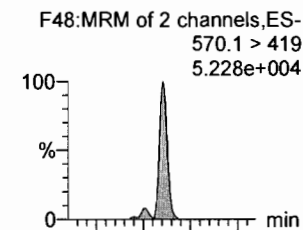
8:2 FTS



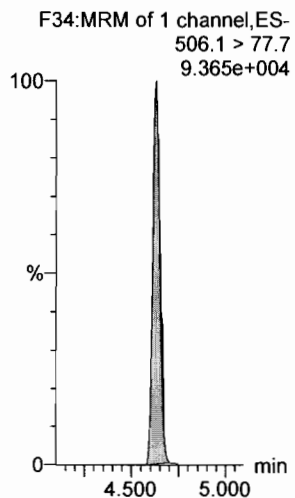
PFNS



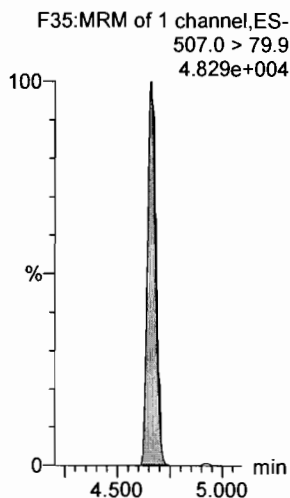
L-MeFOSAA



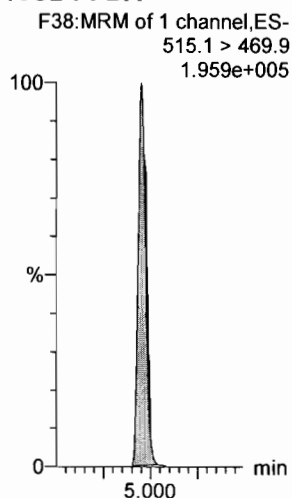
13C8-PFOSA



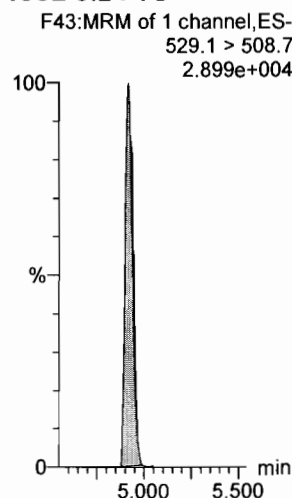
13C8-PFOS



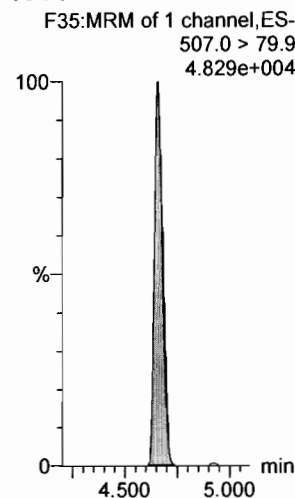
13C2-PFDA



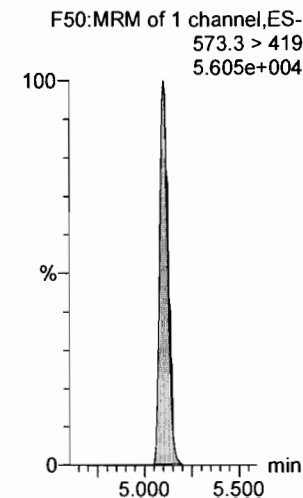
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



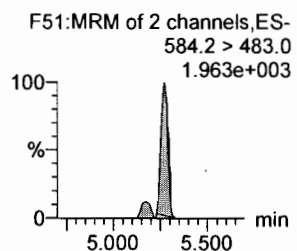
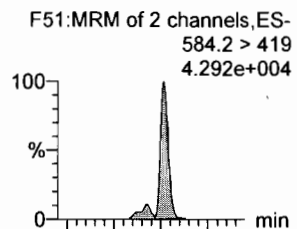
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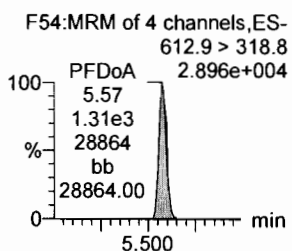
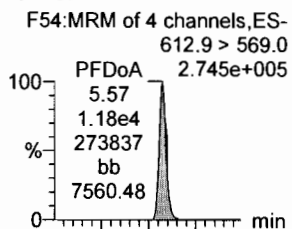
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Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

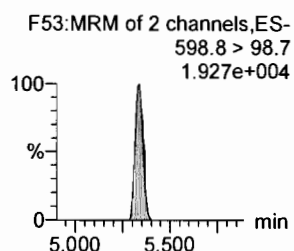
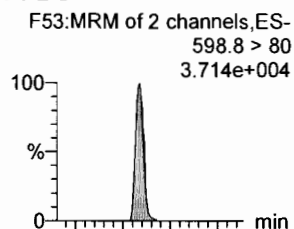
L-EtFOSAA



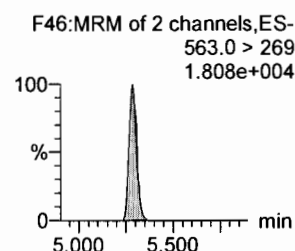
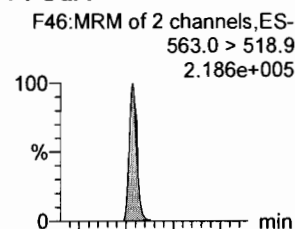
PFDaA



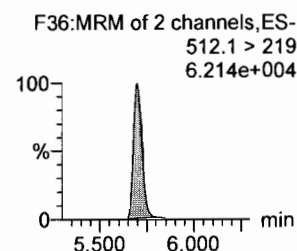
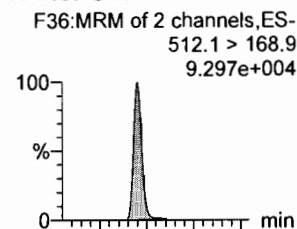
PFDS



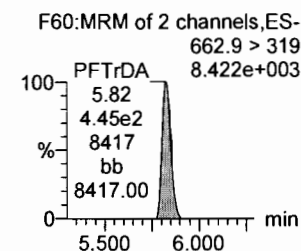
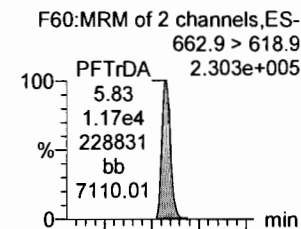
PFUdA



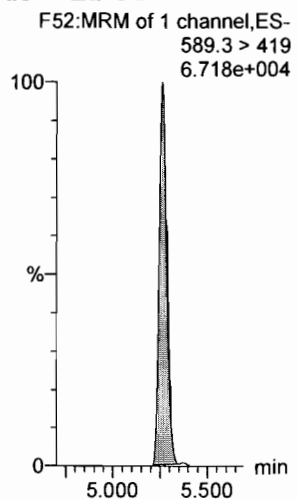
N-MeFOSA



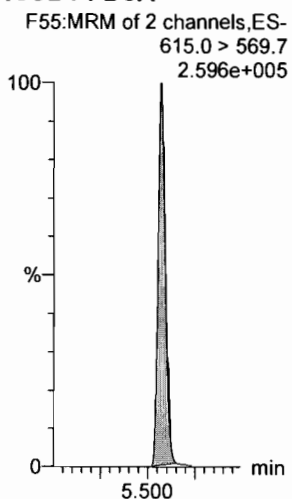
PFTTrDA



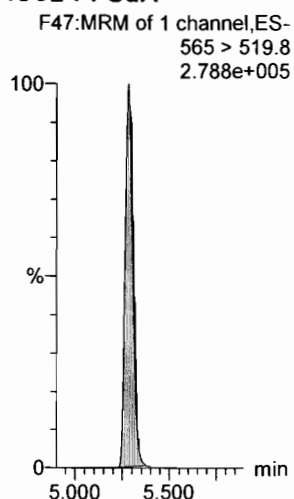
d5-N-EtFOSAA



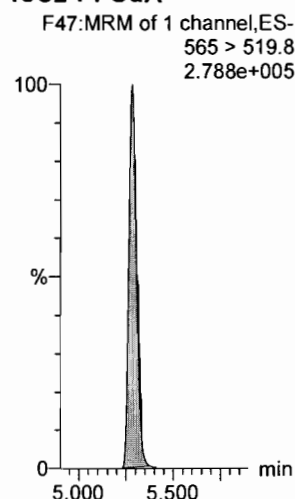
13C2-PFDaA



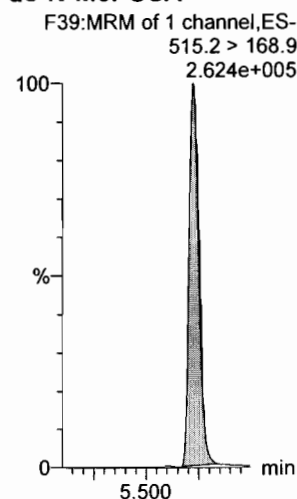
13C2-PFUdA



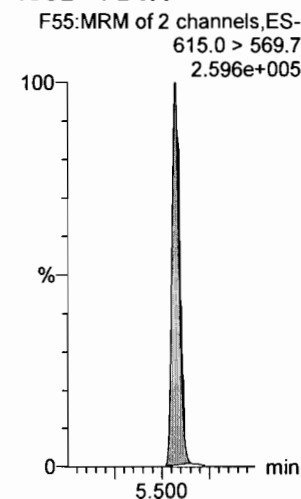
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

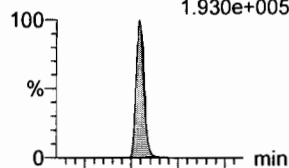
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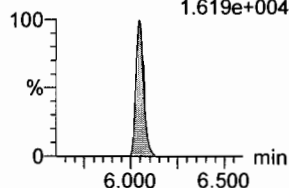
Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.930e+005

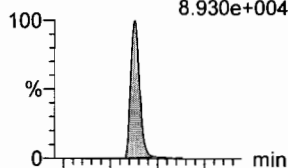


F61:MRM of 2 channels,ES-
712.9 > 369
1.619e+004

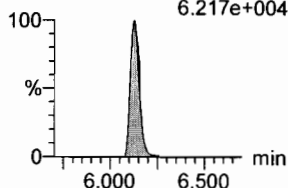


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
8.930e+004

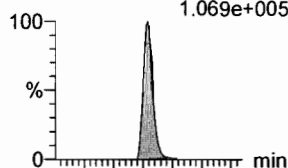


F41:MRM of 2 channels,ES-
526.1 > 219
6.217e+004

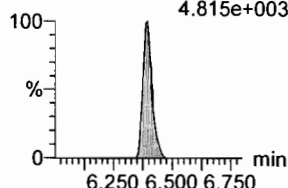


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.069e+005

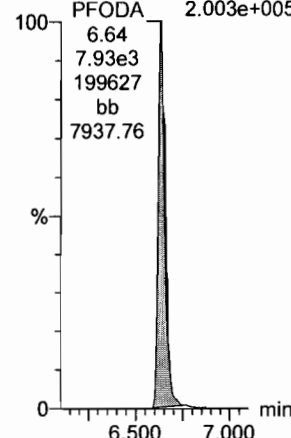


F63:MRM of 2 channels,ES-
813.1 > 219
4.815e+003



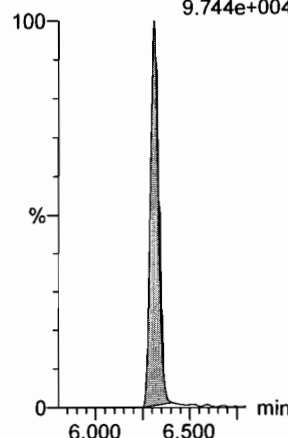
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
2.003e+005



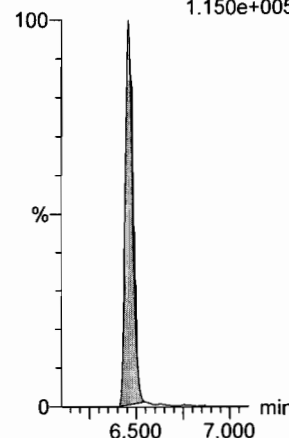
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
9.744e+004



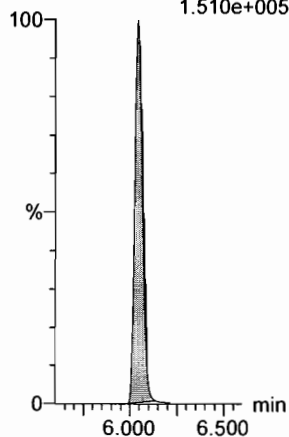
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.150e+005



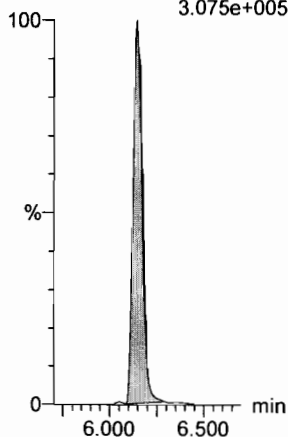
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.510e+005



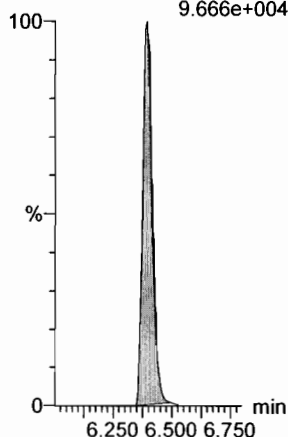
d5-N-ETFOSE

F44:MRM of 1 channel,ES-
531.1 > 168.9
3.075e+005



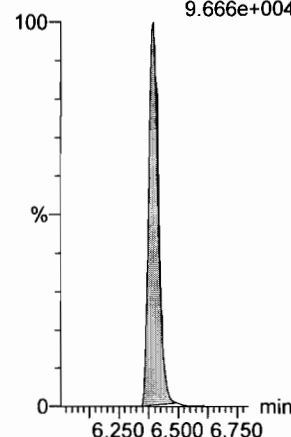
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.666e+004



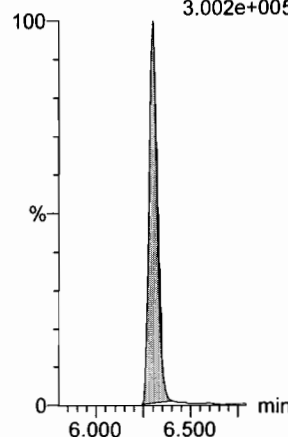
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.666e+004



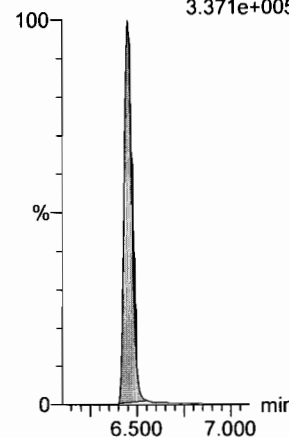
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
3.002e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
3.371e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

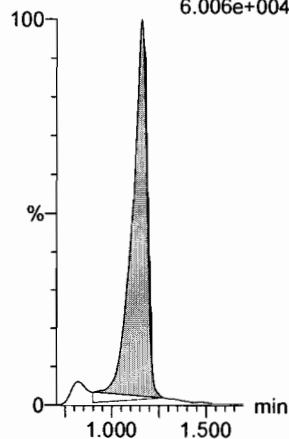
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_7, Date: 22-Jul-2018, Time: 17:24:07, ID: ST180722M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

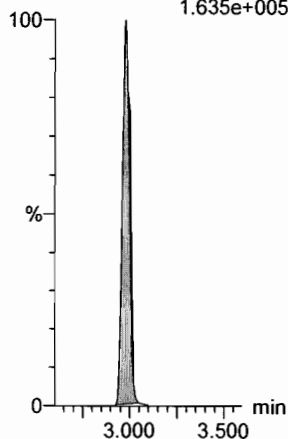
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
6.006e+004



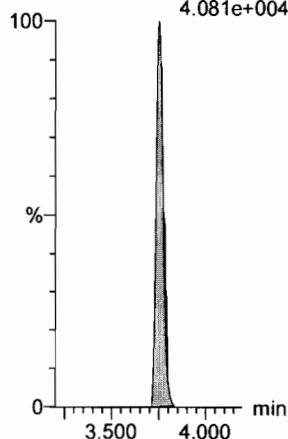
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.635e+005



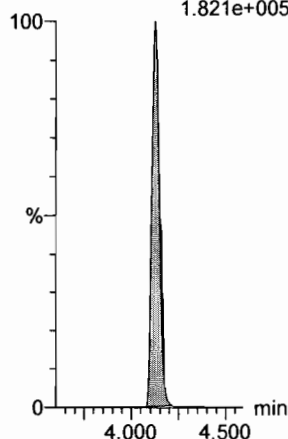
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.081e+004



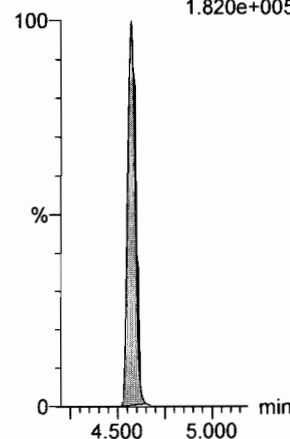
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.821e+005



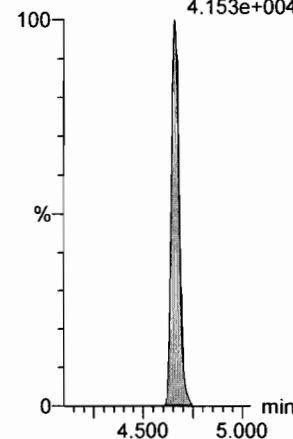
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.820e+005



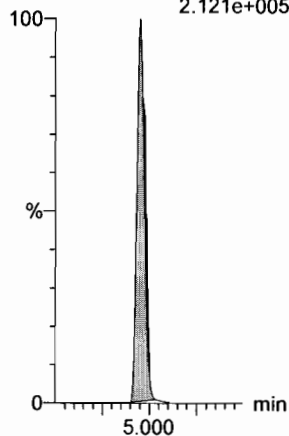
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.153e+004



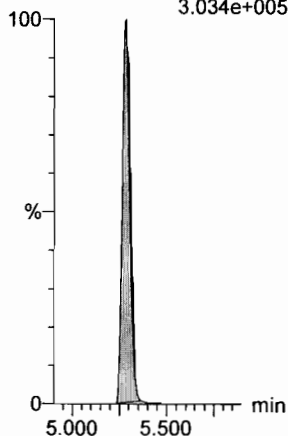
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.121e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.034e+005



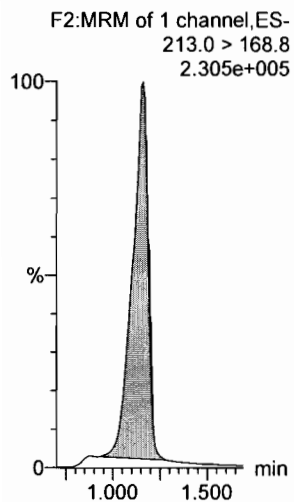
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

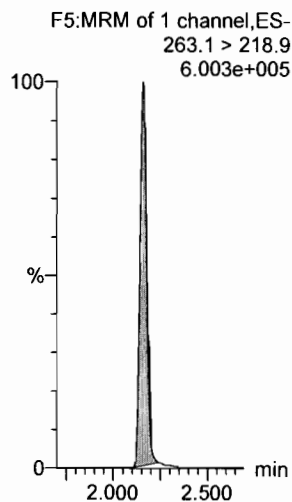
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Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

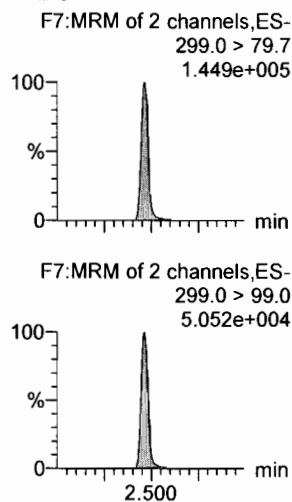
PFBA



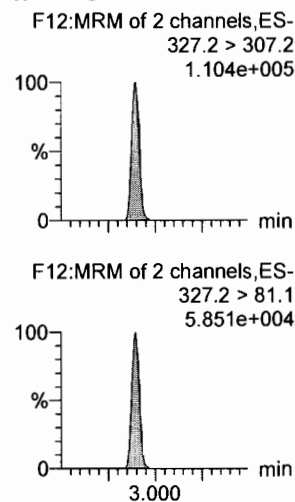
PFPeA



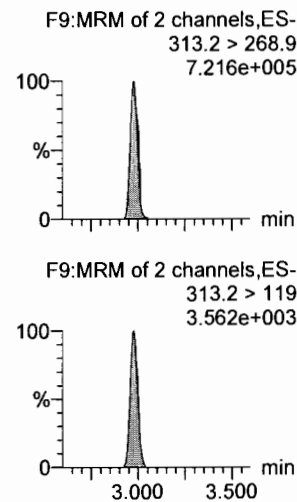
PFBS



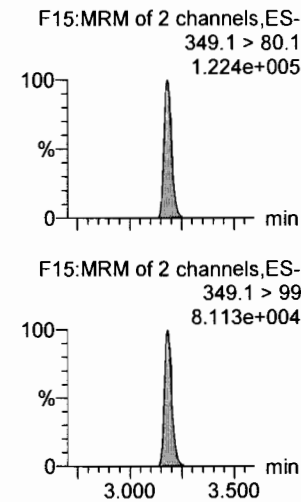
4:2 FTS



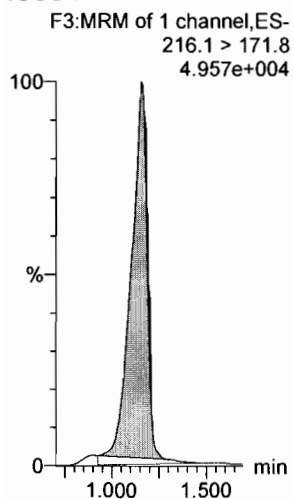
PFHxA



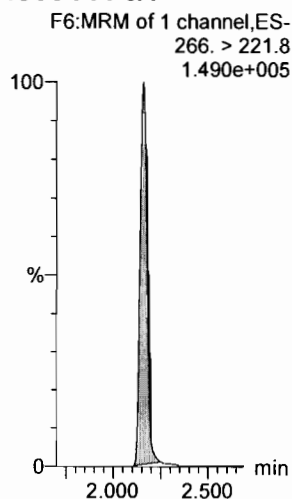
PFPeS



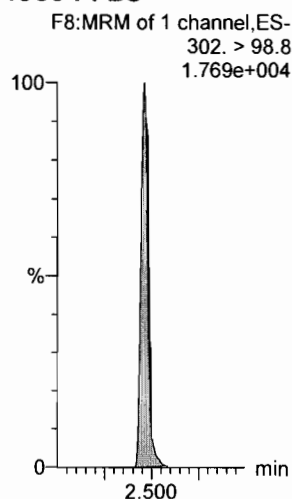
13C3-PFBA



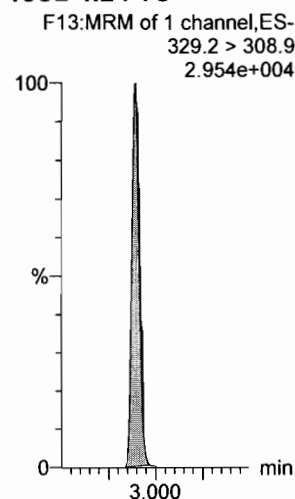
13C3-PFPeA



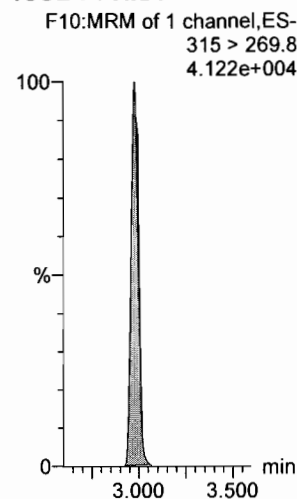
13C3-PFBS



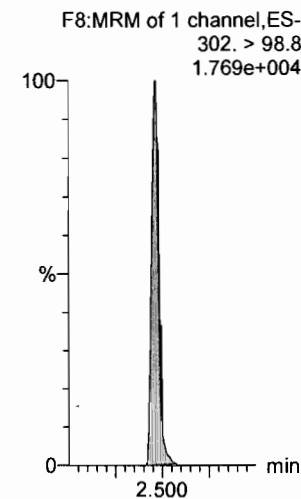
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

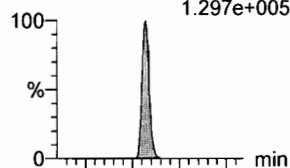
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

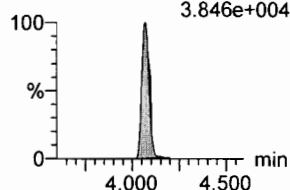
Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.297e+005

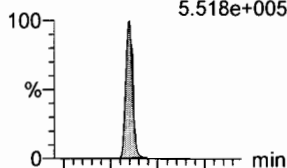


F24:MRM of 2 channels,ES-
427.1 > 80
3.846e+004

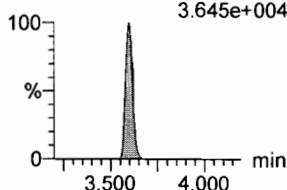


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
5.518e+005

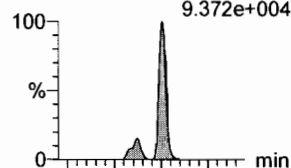


F16:MRM of 2 channels,ES-
363.0 > 169.0
3.645e+004

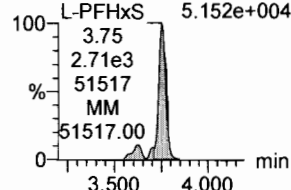


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
9.372e+004

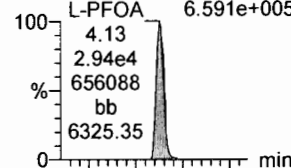


F18:MRM of 2 channels,ES-
398.9 > 99.0
5.152e+004

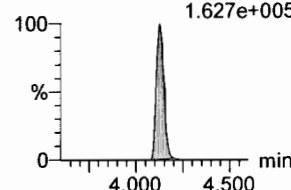


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
6.591e+005

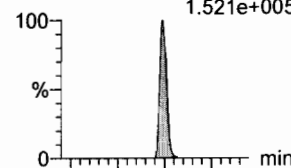


F21:MRM of 2 channels,ES-
413 > 169
1.627e+005

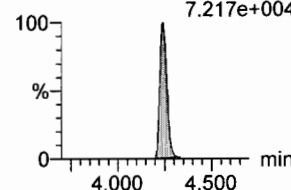


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
1.521e+005

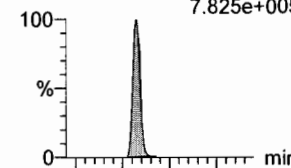


F26:MRM of 2 channels,ES-
449 > 98.7
7.217e+004

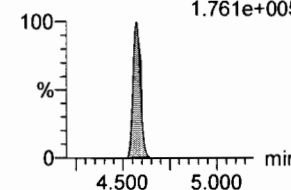


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
7.825e+005

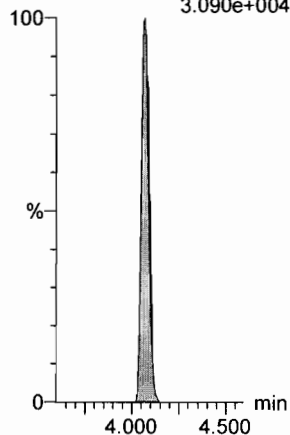


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.761e+005



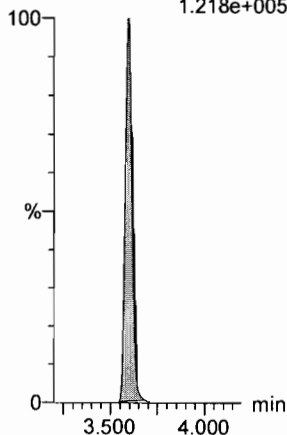
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
3.090e+004



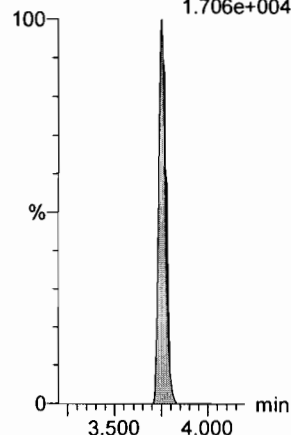
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.218e+005



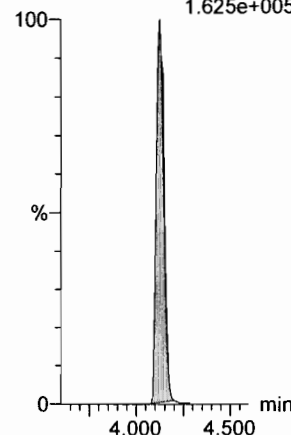
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.706e+004



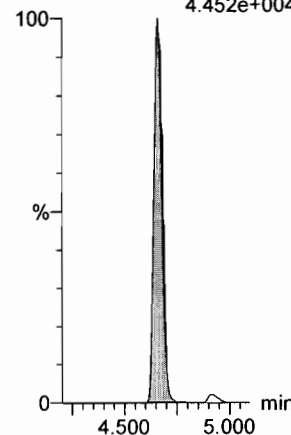
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.625e+005



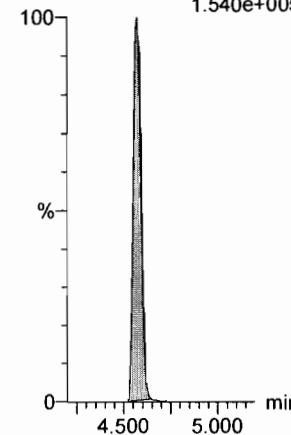
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.452e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.540e+005



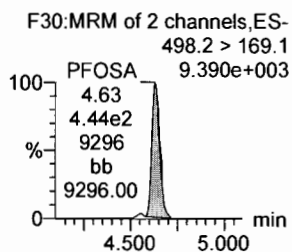
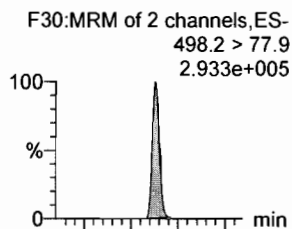
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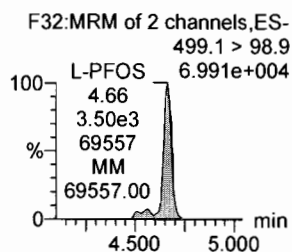
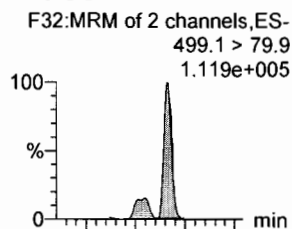
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Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

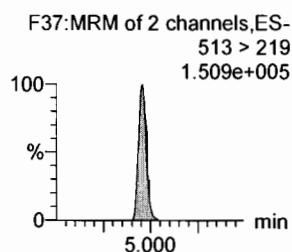
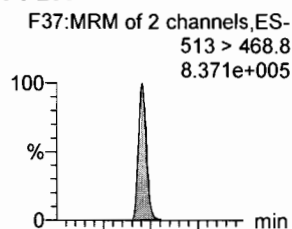
PFOSA



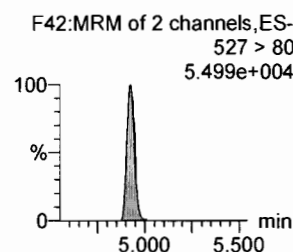
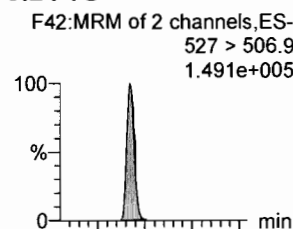
L-PFOS



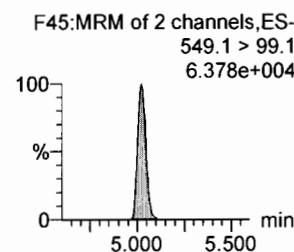
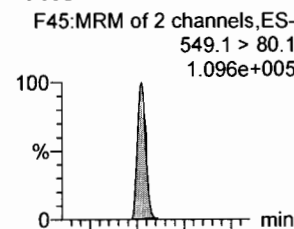
PFDA



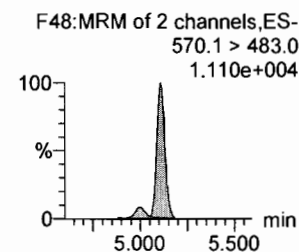
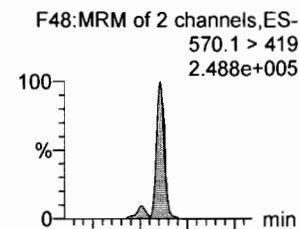
8:2 FTS



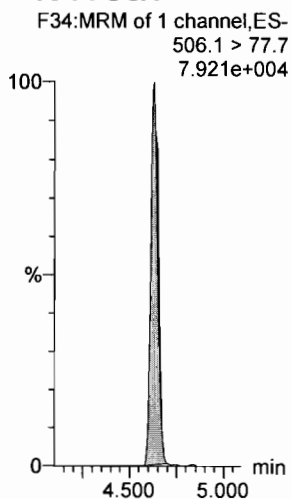
PFNS



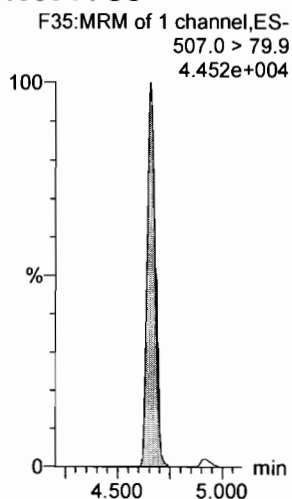
L-MeFOSAA



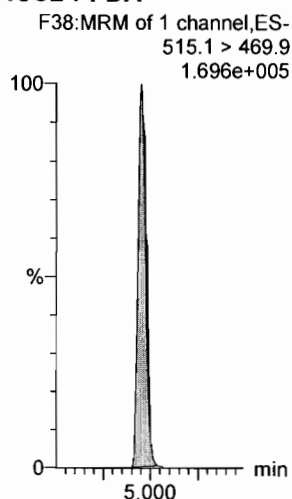
13C8-PFOSA



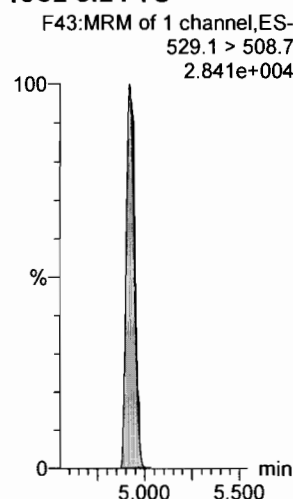
13C8-PFOS



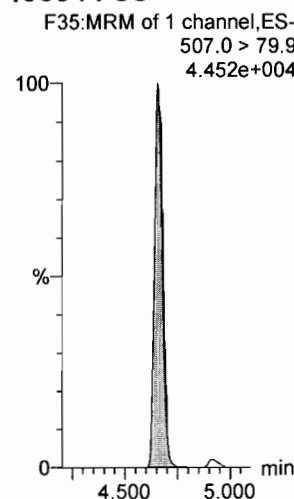
13C2-PFDA



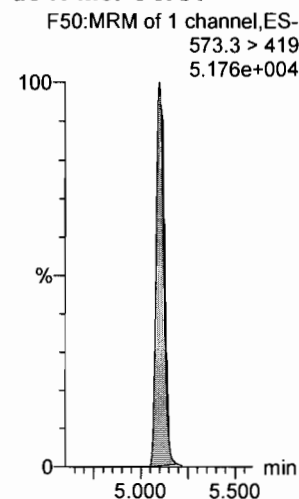
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

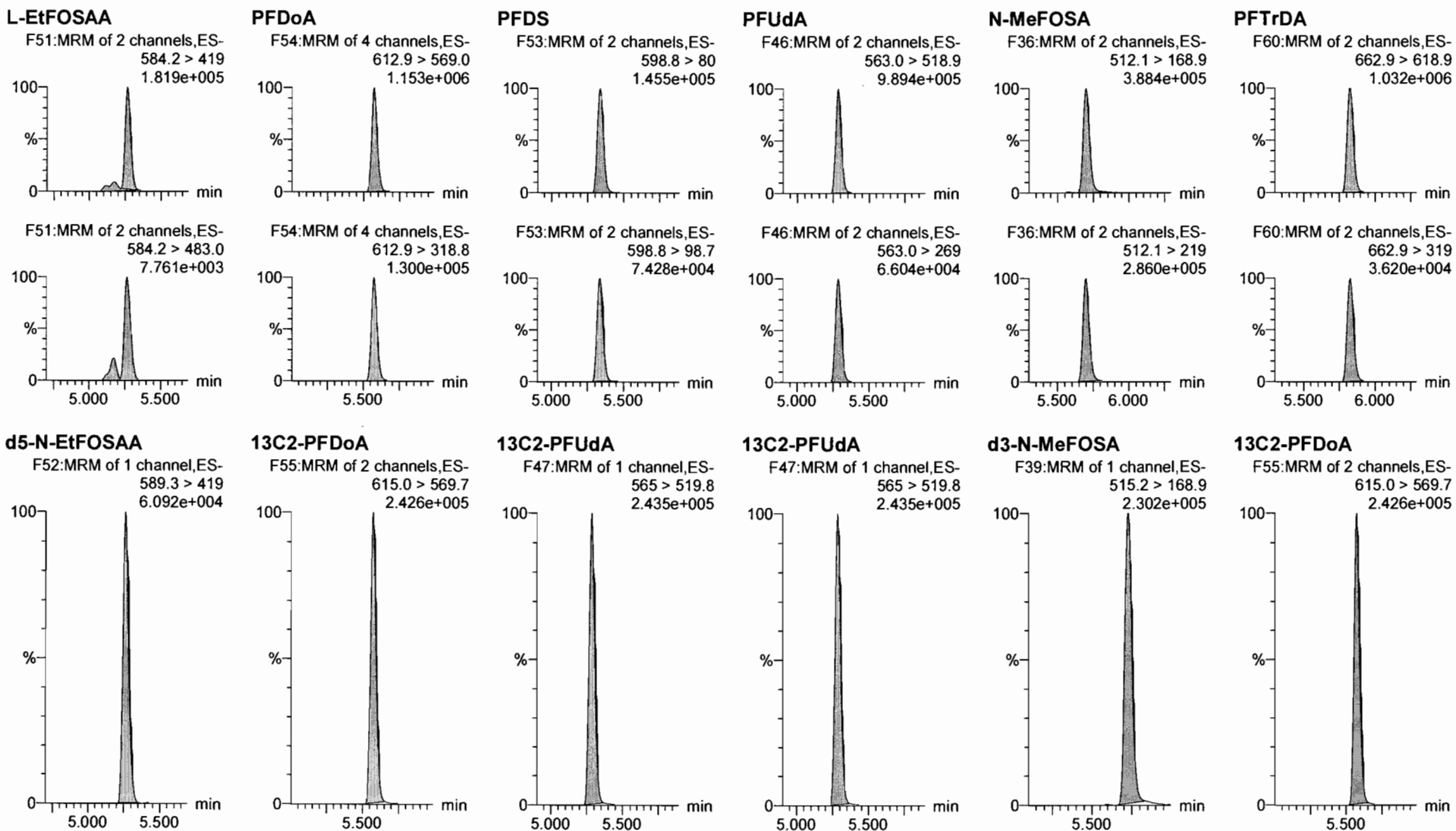


Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

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Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

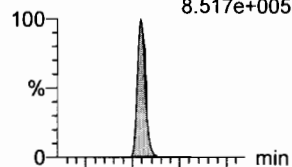
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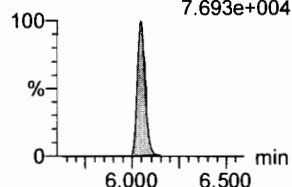
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PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
8.517e+005

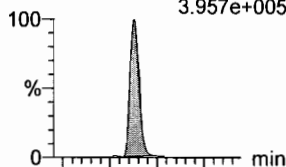


F61:MRM of 2 channels,ES-
712.9 > 369
7.693e+004

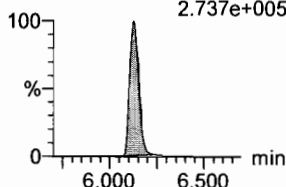


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
3.957e+005

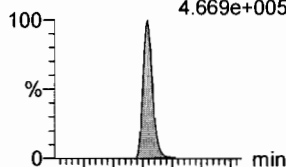


F41:MRM of 2 channels,ES-
526.1 > 219
2.737e+005

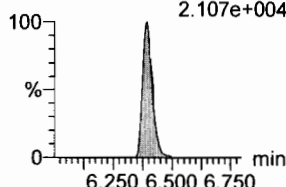


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
4.669e+005

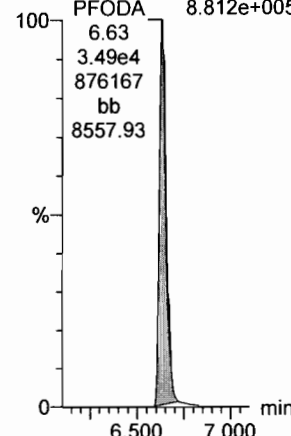


F63:MRM of 2 channels,ES-
813.1 > 219
2.107e+004



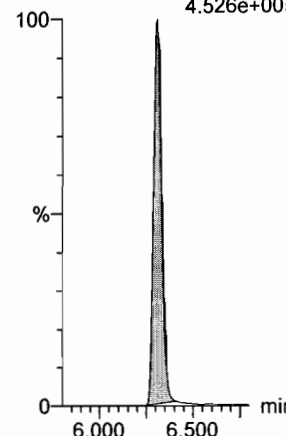
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
8.812e+005



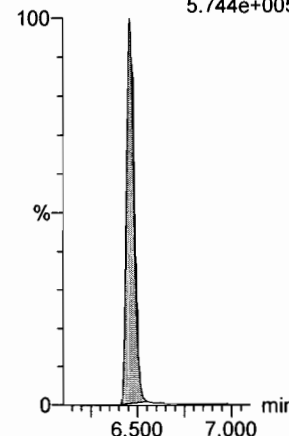
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
4.526e+005



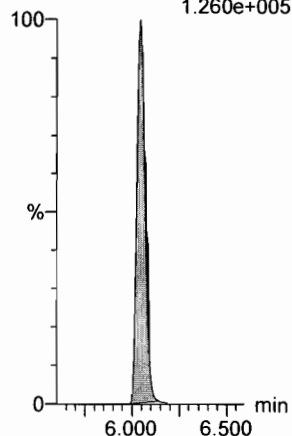
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
5.744e+005



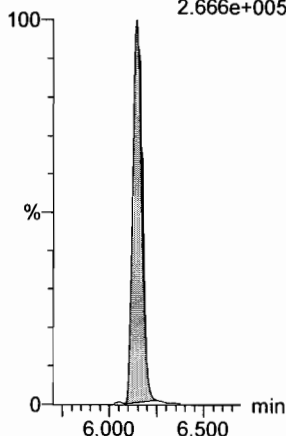
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.260e+005



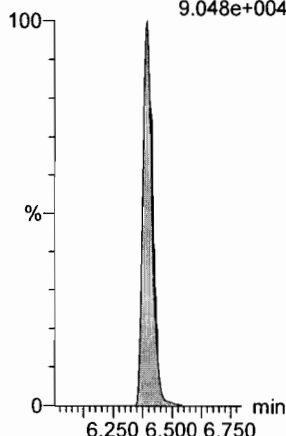
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.666e+005



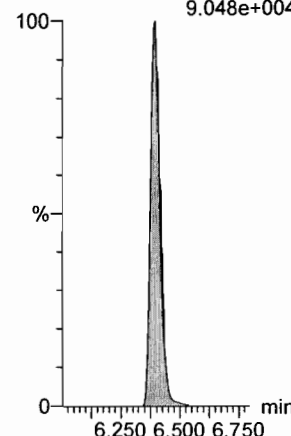
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.048e+004



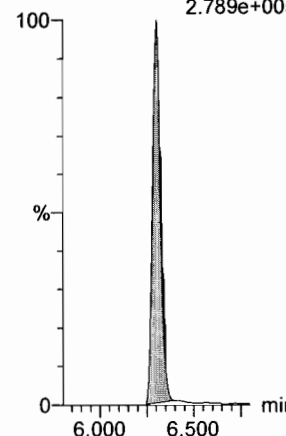
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.048e+004



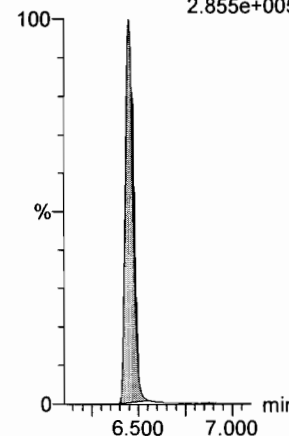
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.789e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.855e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

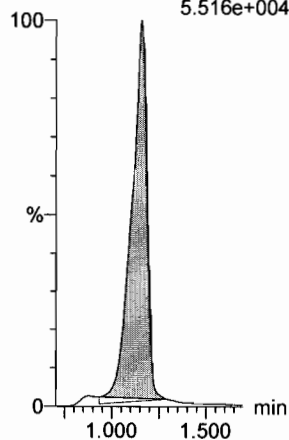
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_8, Date: 22-Jul-2018, Time: 17:34:37, ID: ST180722M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

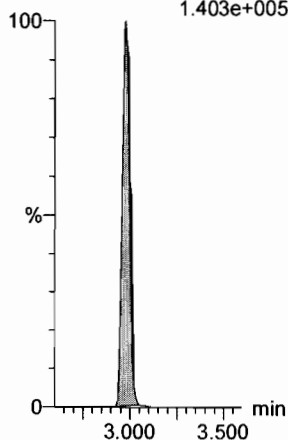
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.516e+004



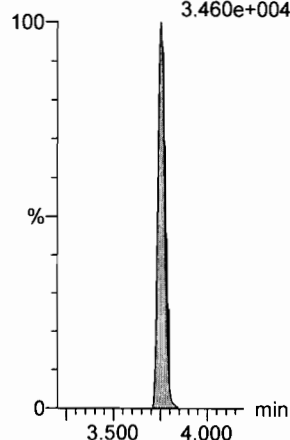
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.403e+005



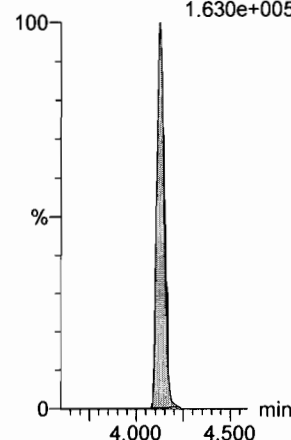
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.460e+004



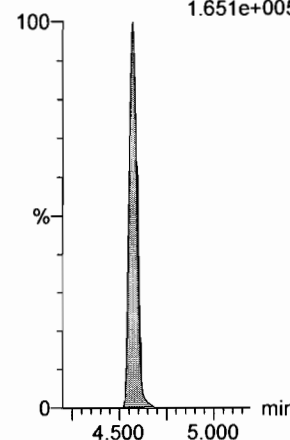
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.630e+005



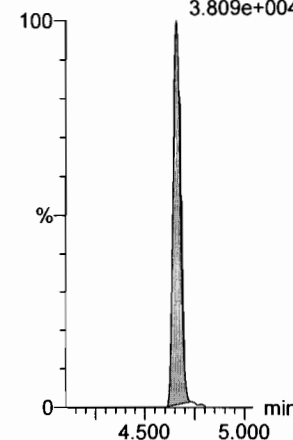
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.651e+005



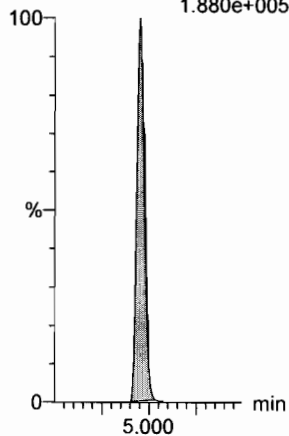
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.809e+004



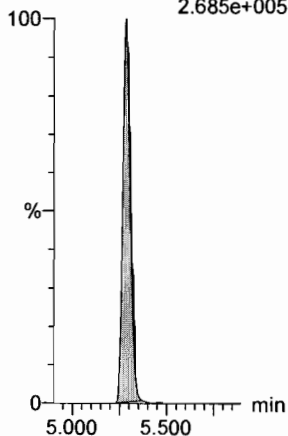
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.880e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.685e+005



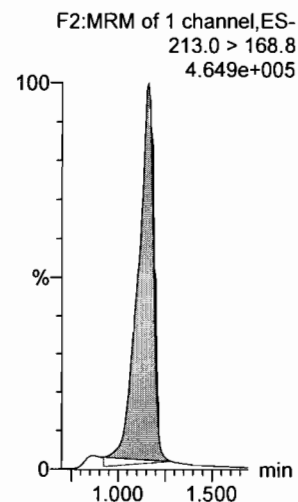
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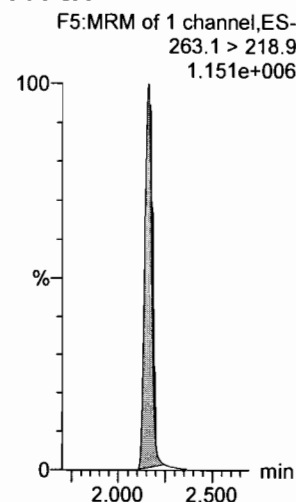
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Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

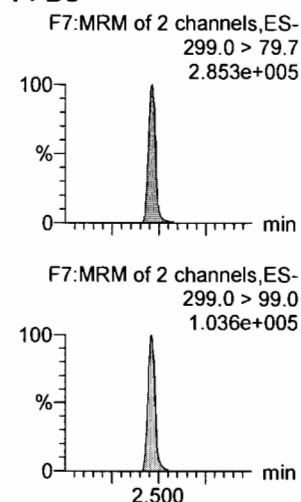
PFBA



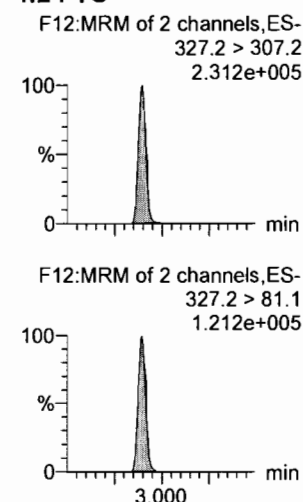
PFPeA



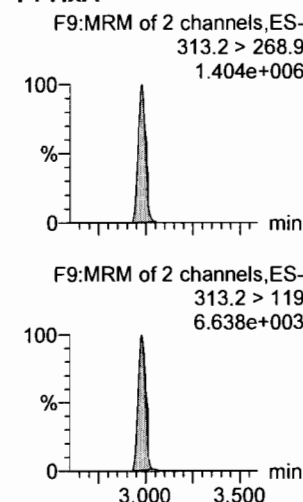
PFBS



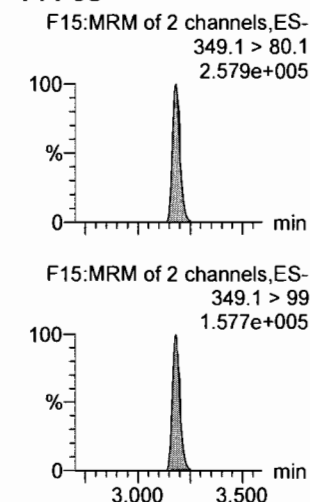
4:2 FTS



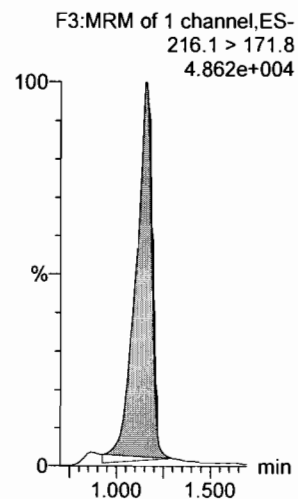
PFHxA



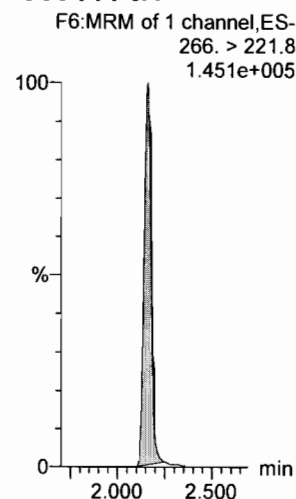
PFPeS



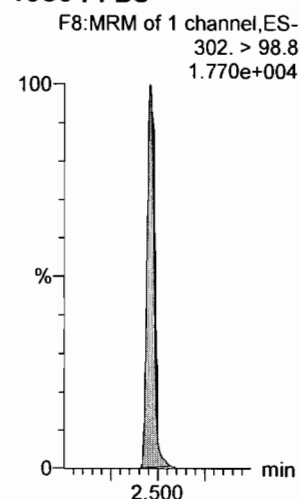
13C3-PFBA



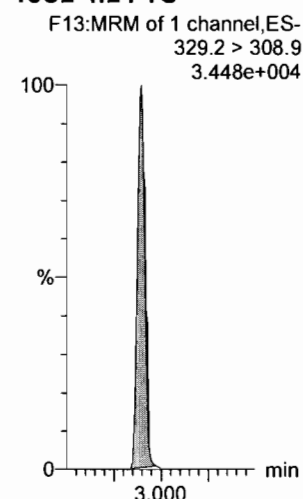
13C3-PFPeA



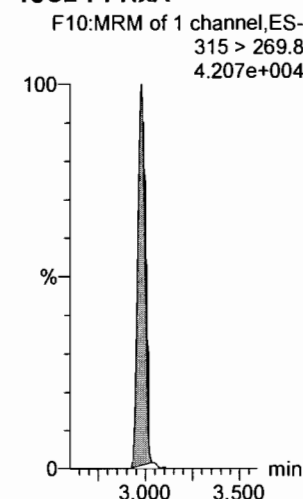
13C3-PFBS



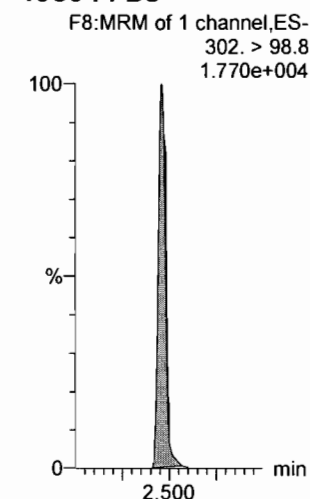
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

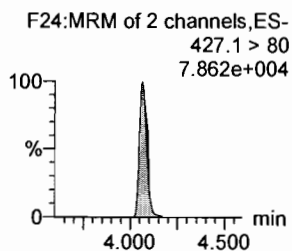
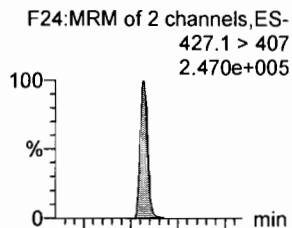


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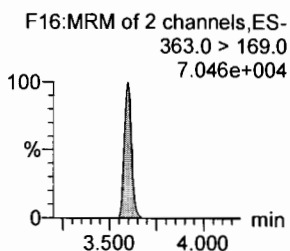
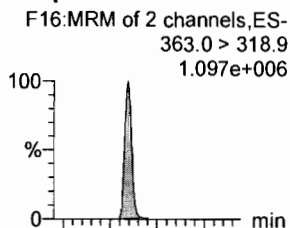
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

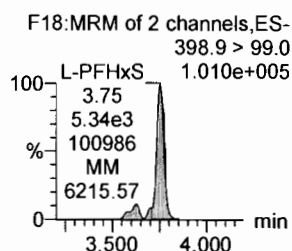
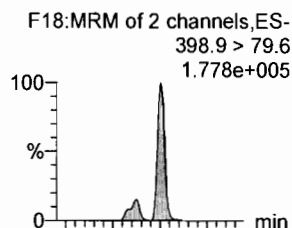
6:2 FTS



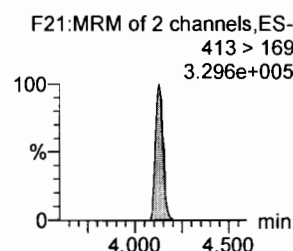
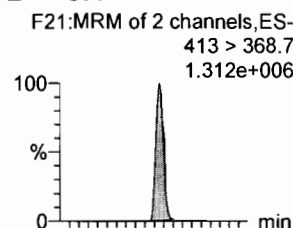
PFHpA



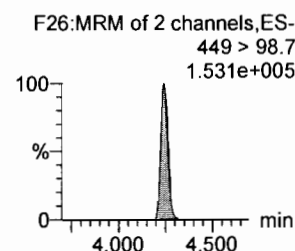
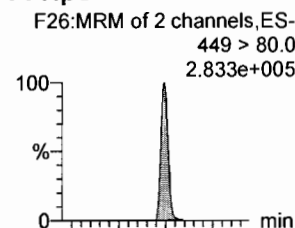
L-PFHxS



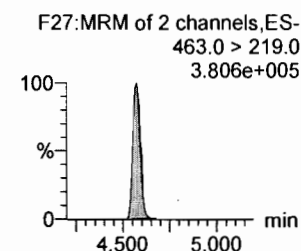
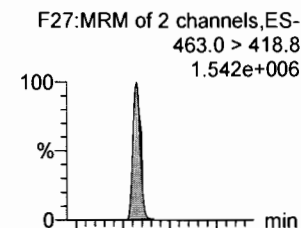
L-PFOA



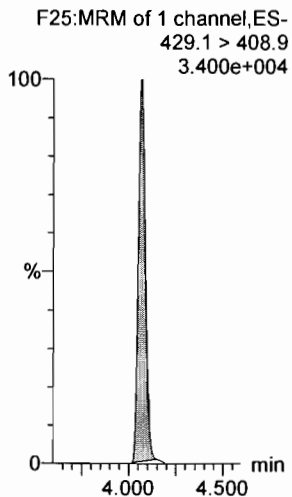
PFHpS



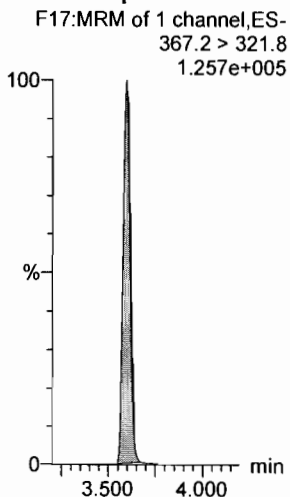
PFNA



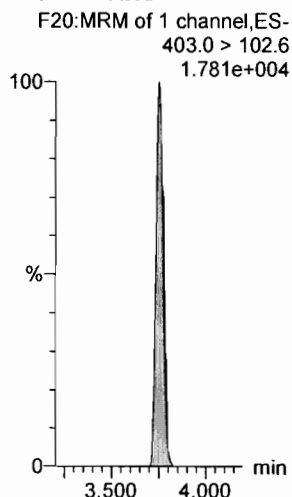
13C2-6:2 FTS



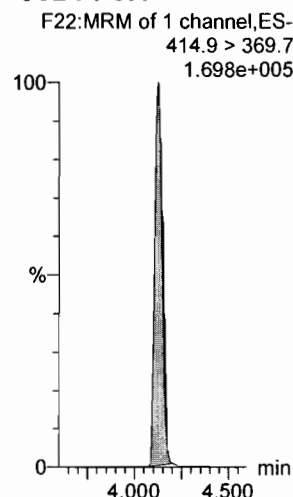
13C4-PFHpA



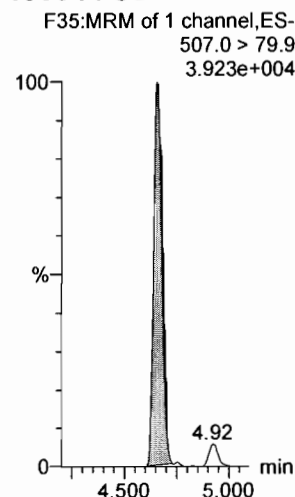
18O2-PFHxS



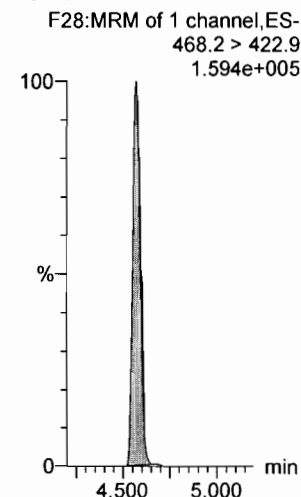
13C2-PFOA



13C8-PFOS



13C5-PFNA



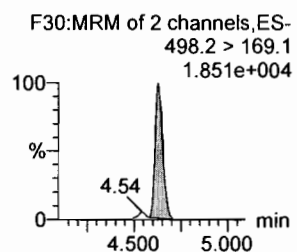
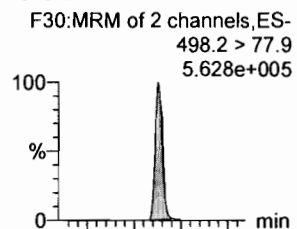
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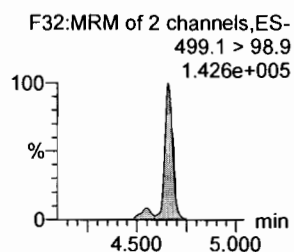
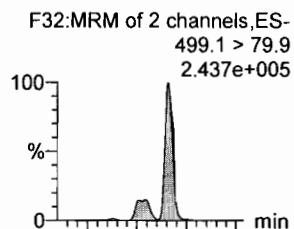
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Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

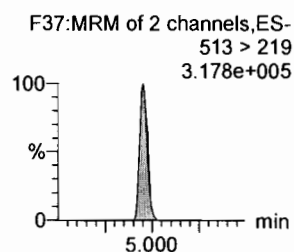
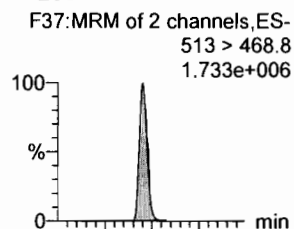
PFOSA



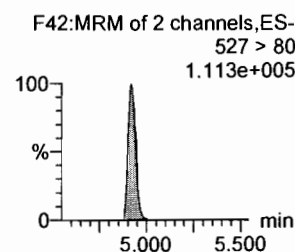
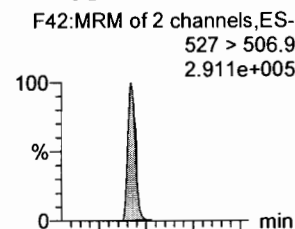
L-PFOS



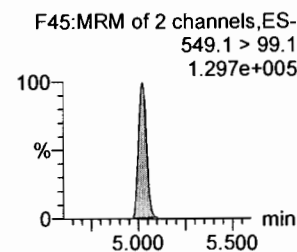
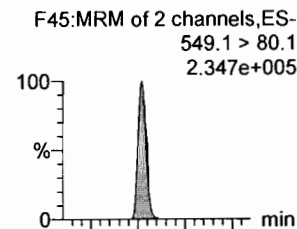
PFDA



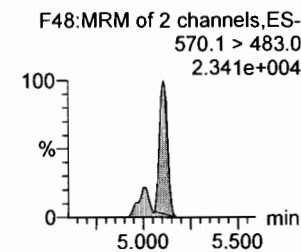
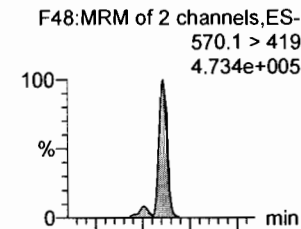
8:2 FTS



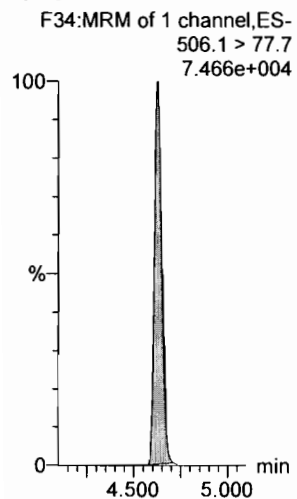
PFNS



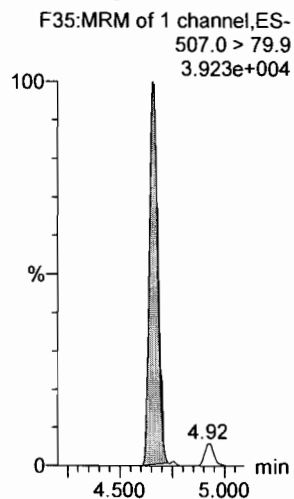
L-MeFOSAA



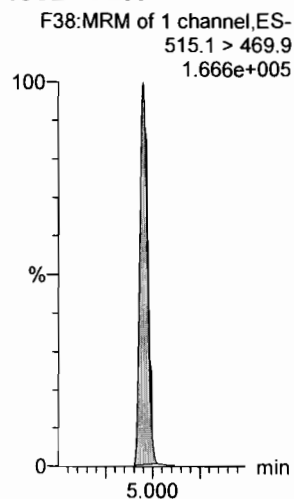
13C8-PFOSA



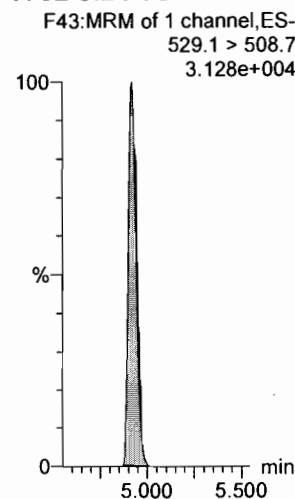
13C8-PFOS



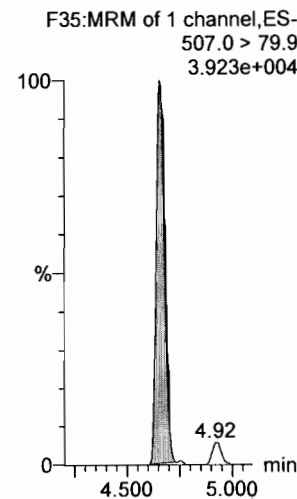
13C2-PFDA



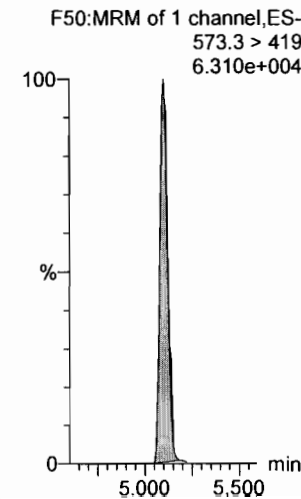
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

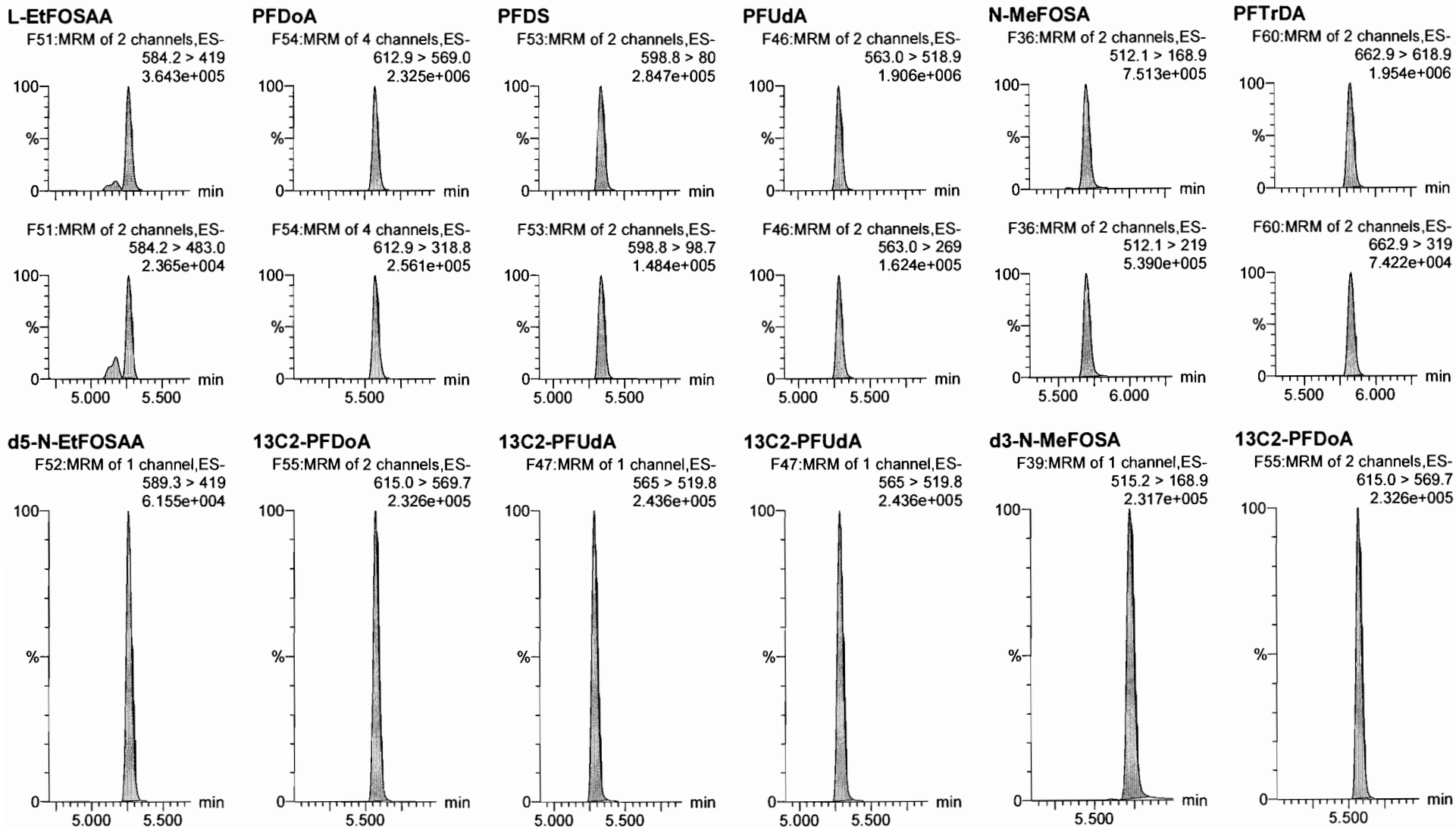


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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917



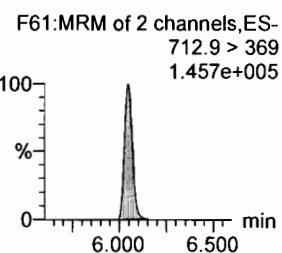
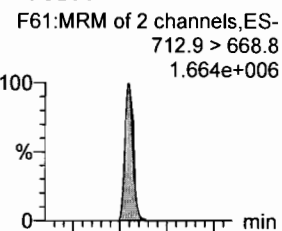
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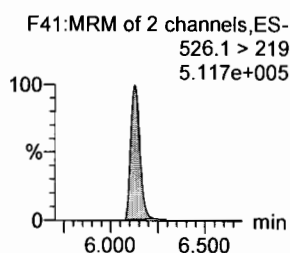
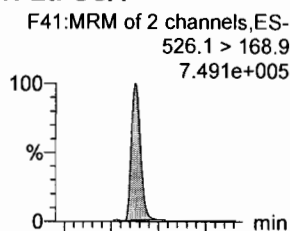
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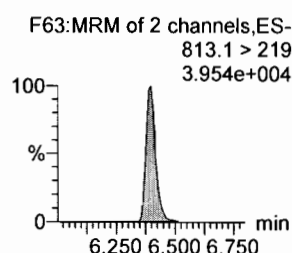
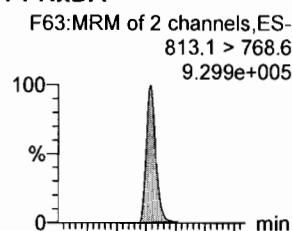
PFTeDA



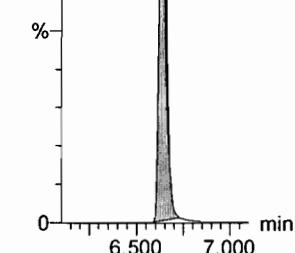
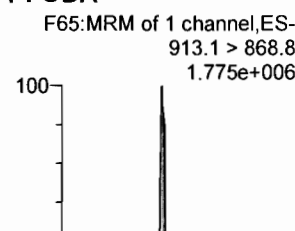
N-EtFOSA



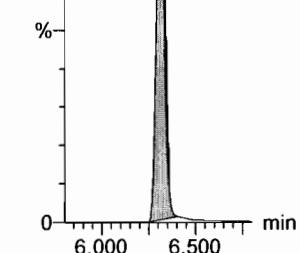
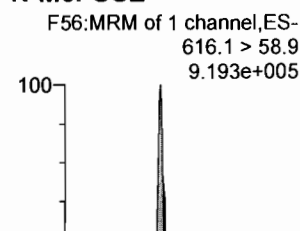
PFHxDA



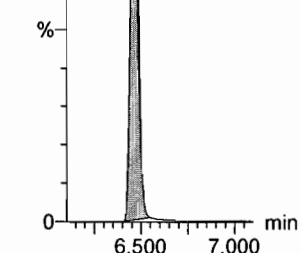
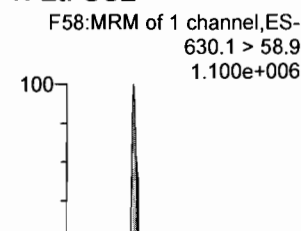
PFODA



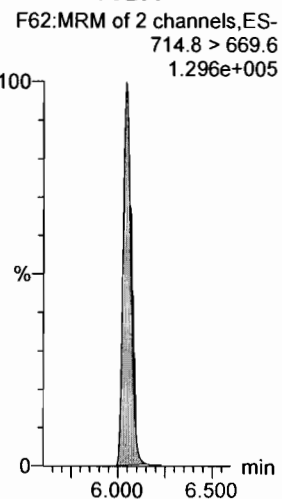
N-MeFOSE



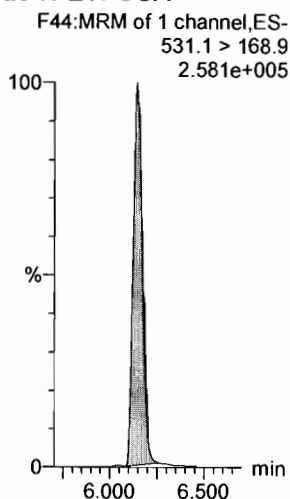
N-EtFOSE



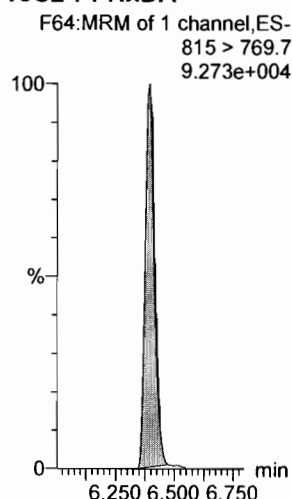
13C2-PFTeDA



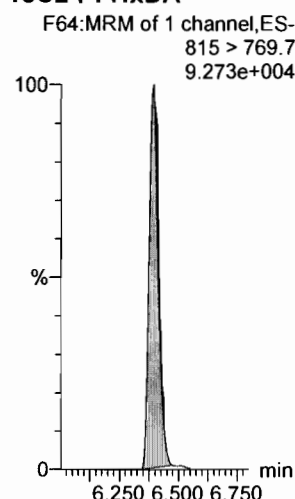
d5-N-ETFOSA



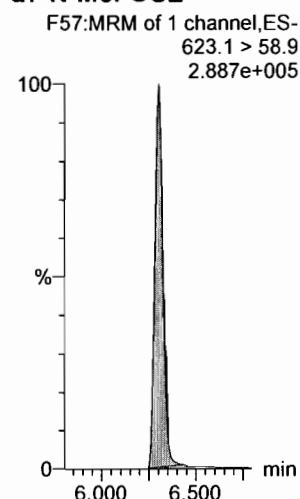
13C2-PFHxDA



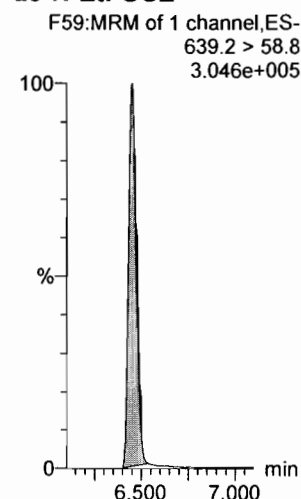
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

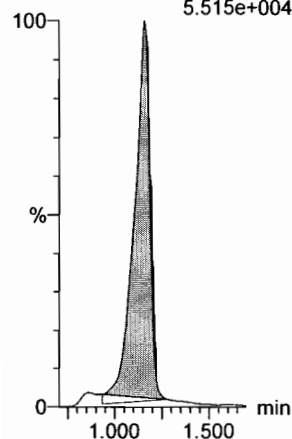
Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_9, Date: 22-Jul-2018, Time: 17:45:02, ID: ST180722M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

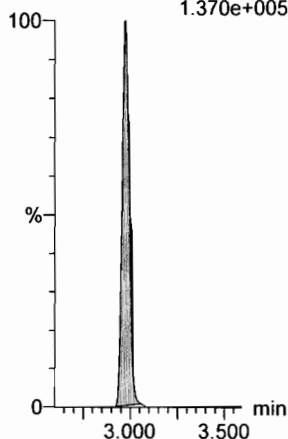
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.515e+004



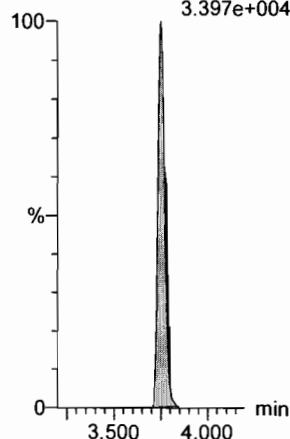
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.370e+005



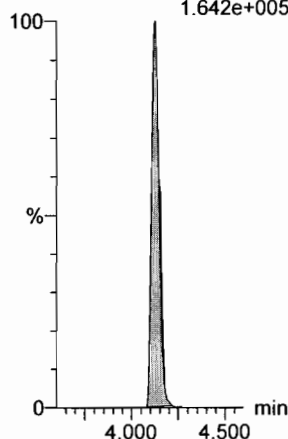
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.397e+004



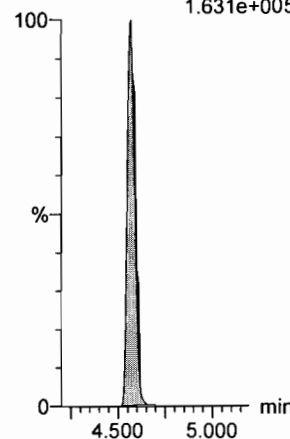
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.642e+005



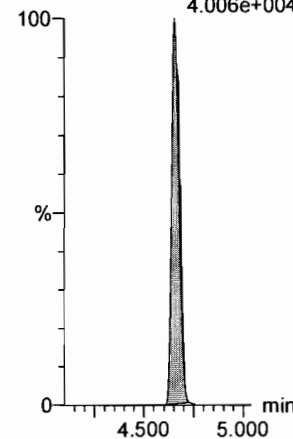
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.631e+005



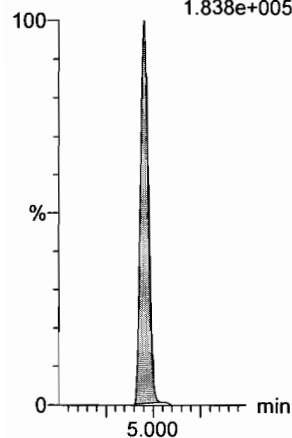
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.006e+004



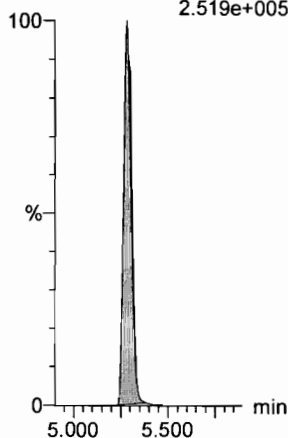
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.838e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.519e+005



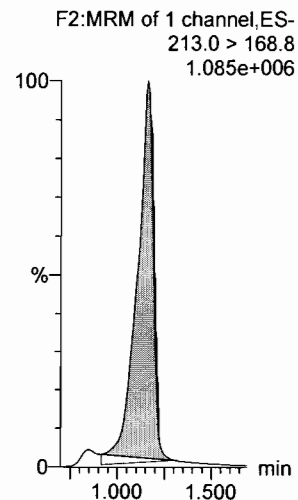
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

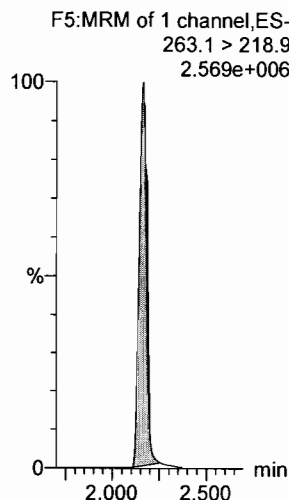
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Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

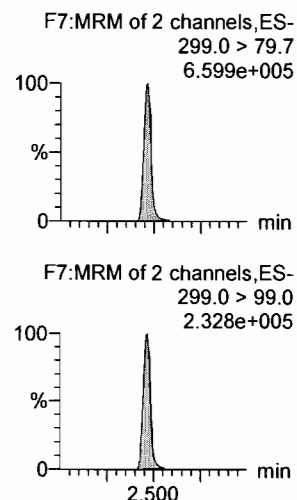
PFBA



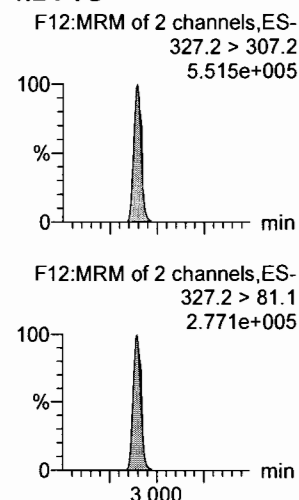
PFPeA



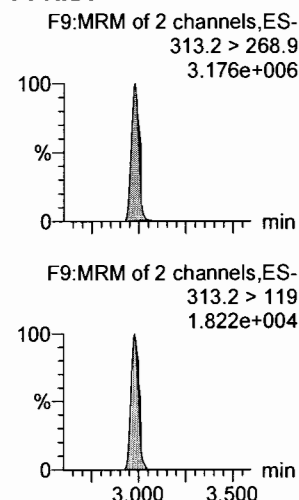
PFBS



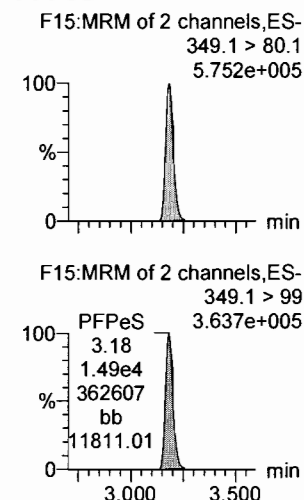
4:2 FTS



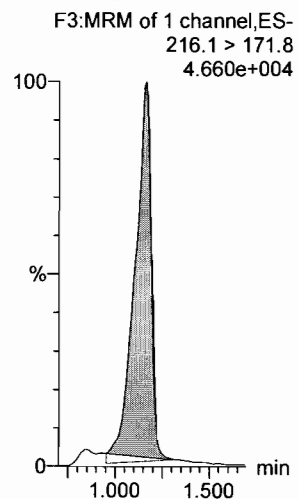
PFHxA



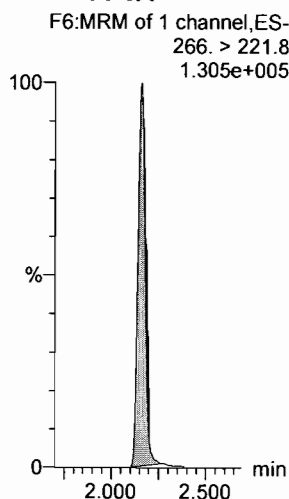
PFPeS



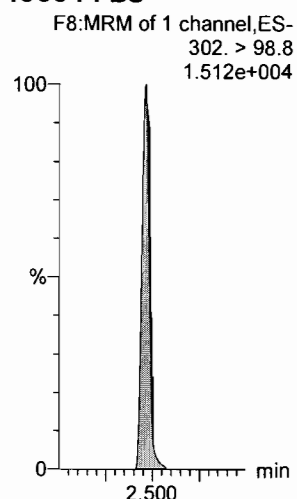
13C3-PFBA



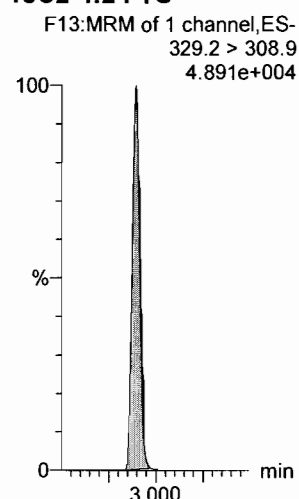
13C3-PFPeA



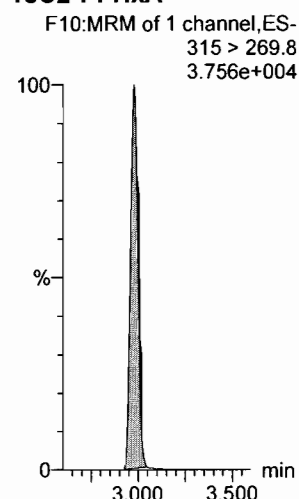
13C3-PFBS



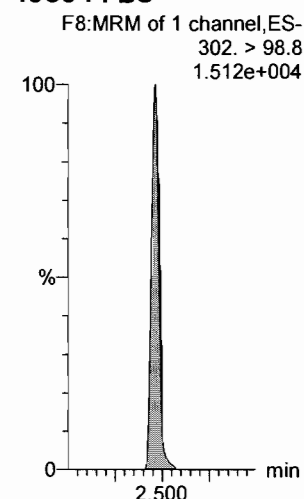
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

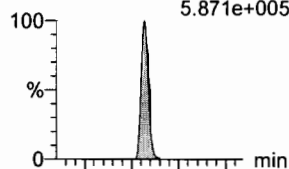
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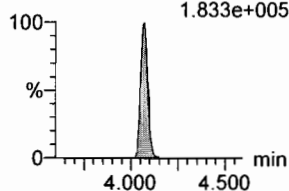
Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
5.871e+005

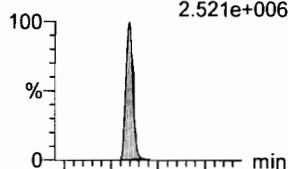


F24:MRM of 2 channels,ES-
427.1 > 80
1.833e+005

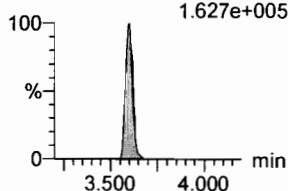


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
2.521e+006

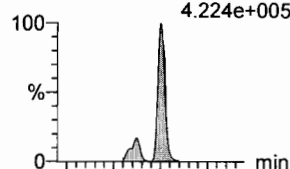


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.627e+005

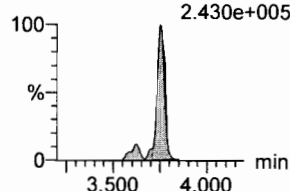


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
4.224e+005

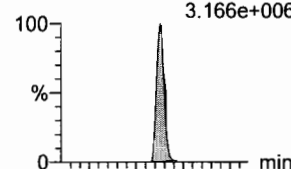


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.430e+005

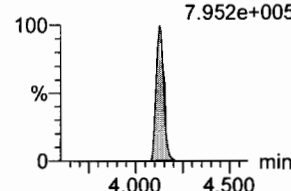


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
3.166e+006

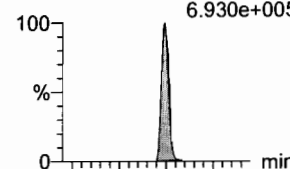


F21:MRM of 2 channels,ES-
413 > 169
7.952e+005

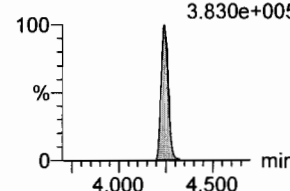


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
6.930e+005

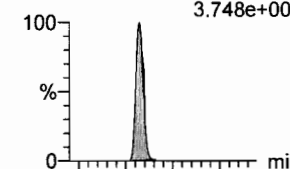


F26:MRM of 2 channels,ES-
449 > 98.7
3.830e+005

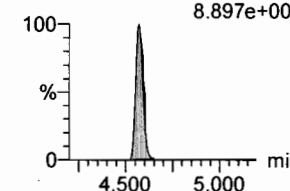


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
3.748e+006

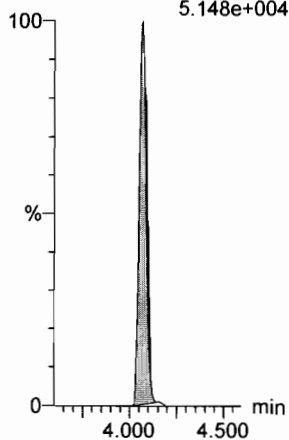


F27:MRM of 2 channels,ES-
463.0 > 219.0
8.897e+005



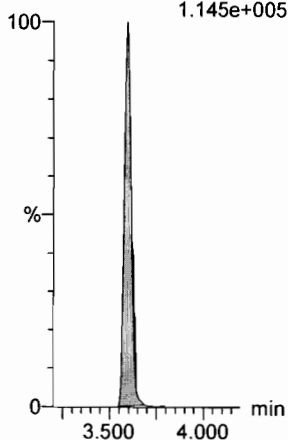
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
5.148e+004



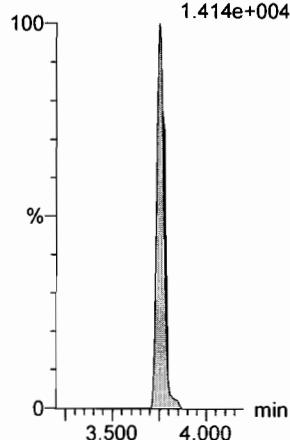
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.145e+005



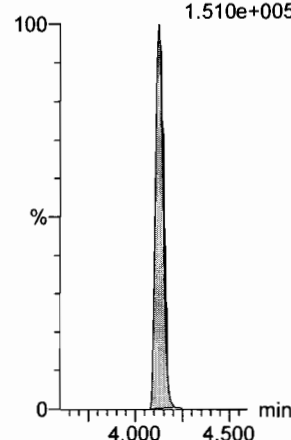
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.414e+004



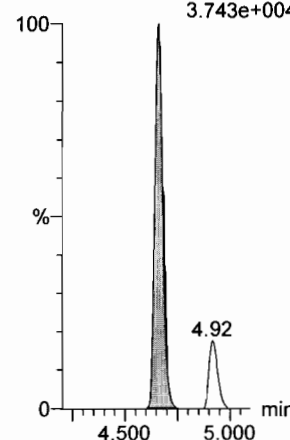
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.510e+005



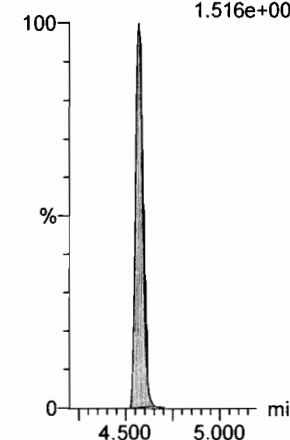
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.743e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.516e+005



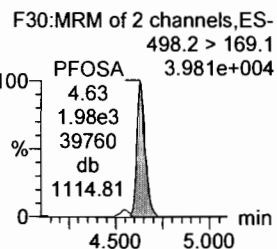
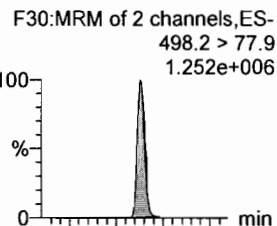
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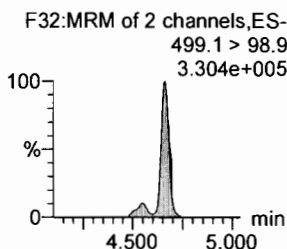
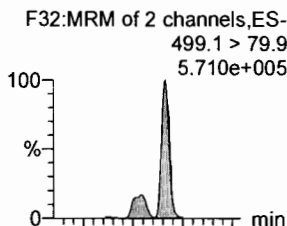
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Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

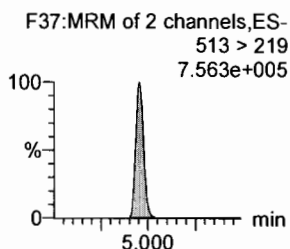
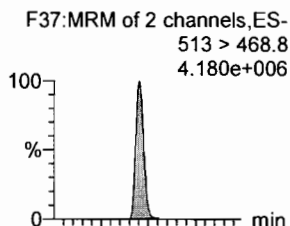
PFOSA



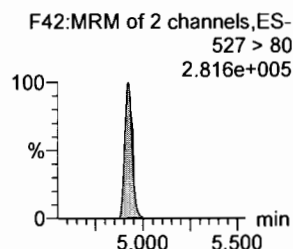
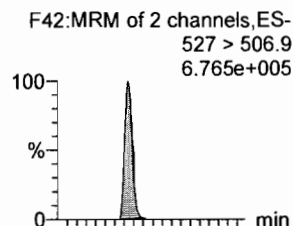
L-PFOS



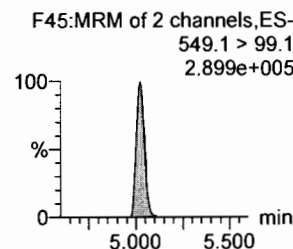
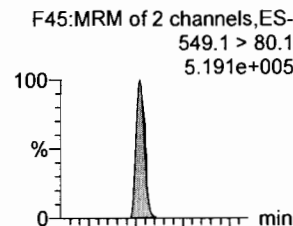
PFDA



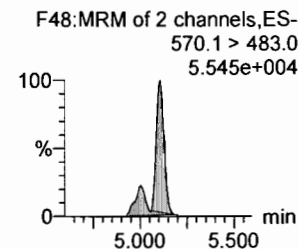
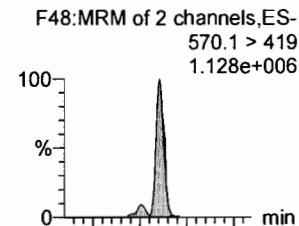
8:2 FTS



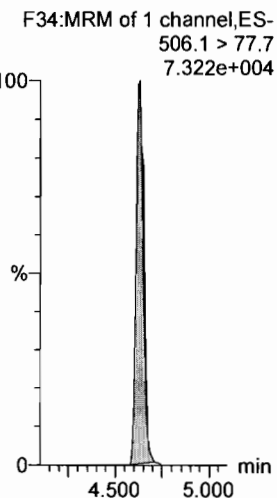
PFNS



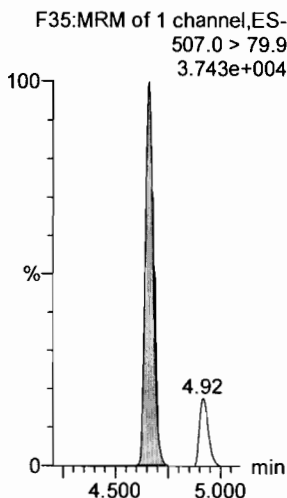
L-MeFOSAA



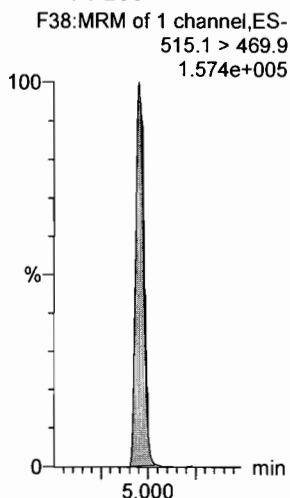
13C8-PFOSA



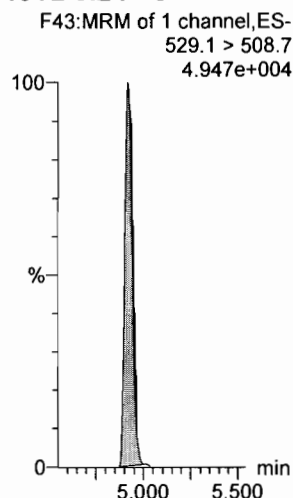
13C8-PFOS



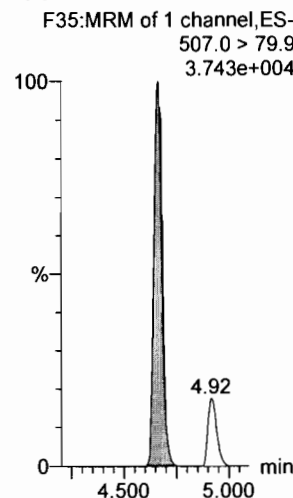
13C2-PFDA



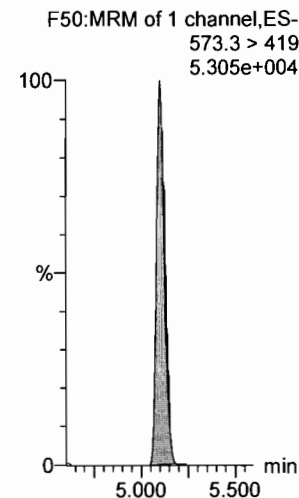
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

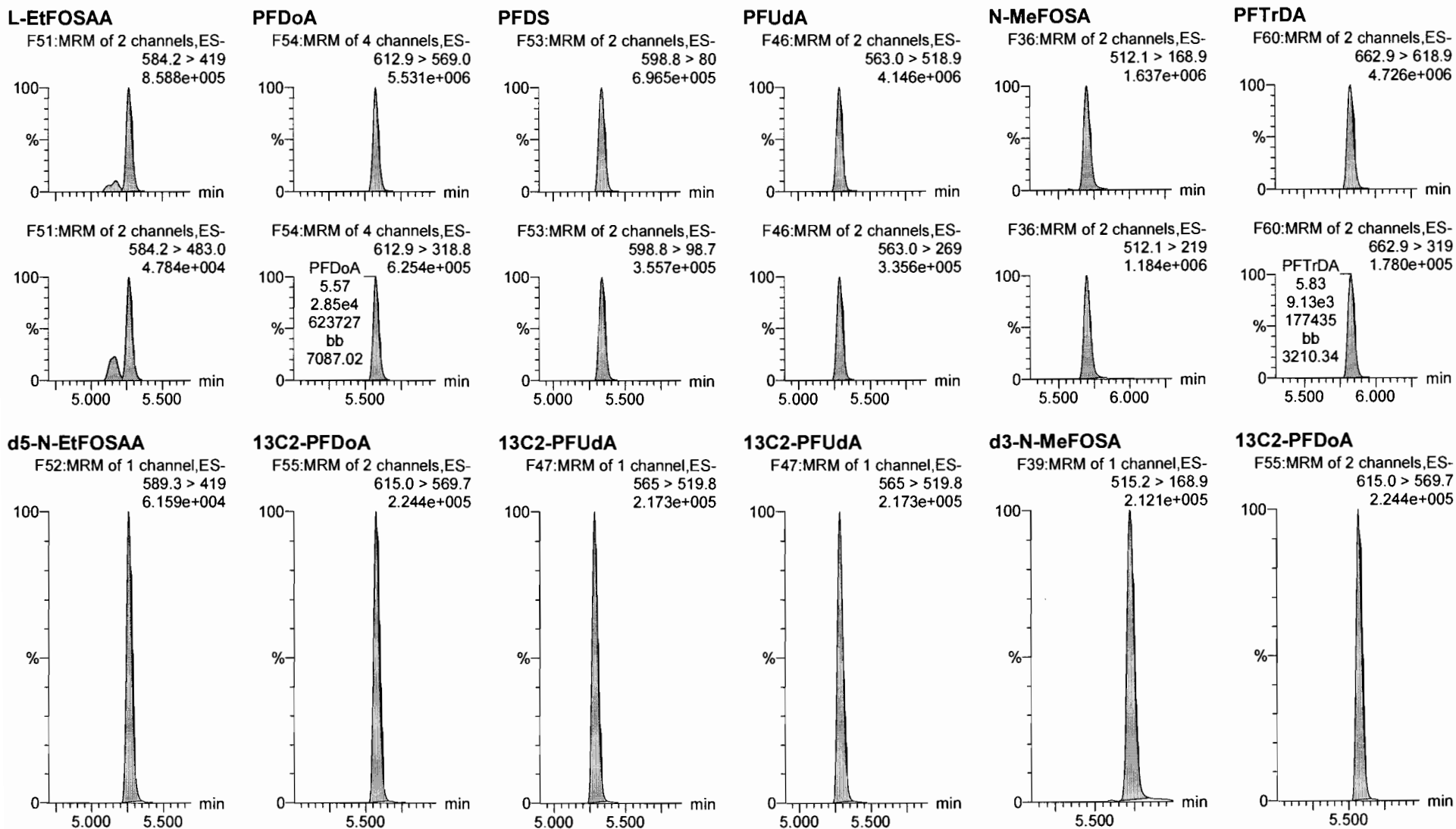


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Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918



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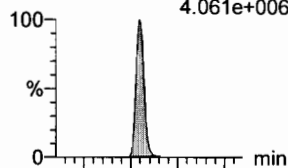
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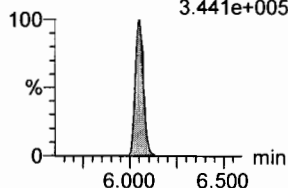
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PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
4.061e+006

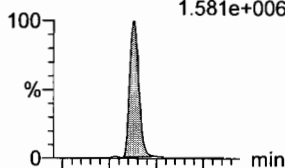


F61:MRM of 2 channels,ES-
712.9 > 369
3.441e+005

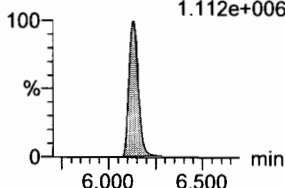


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.581e+006

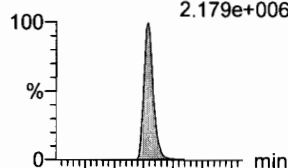


F41:MRM of 2 channels,ES-
526.1 > 219
1.112e+006

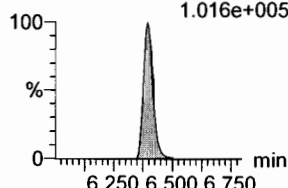


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
2.179e+006

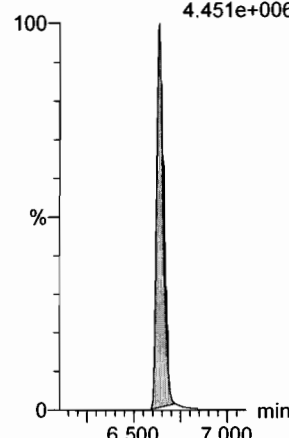


F63:MRM of 2 channels,ES-
813.1 > 219
1.016e+005



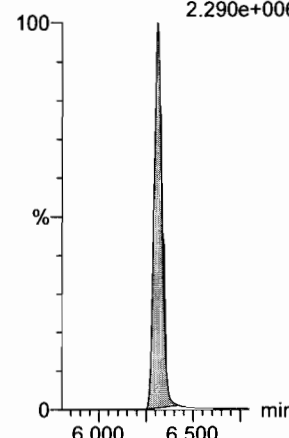
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
4.451e+006



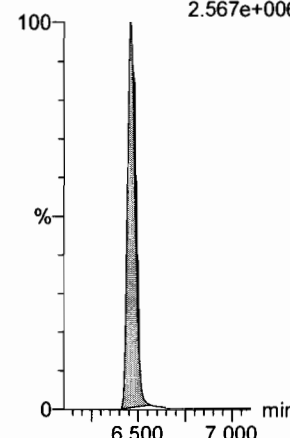
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.290e+006



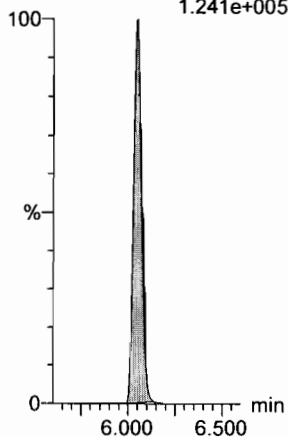
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.567e+006



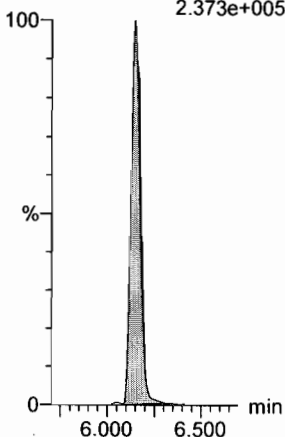
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
1.241e+005



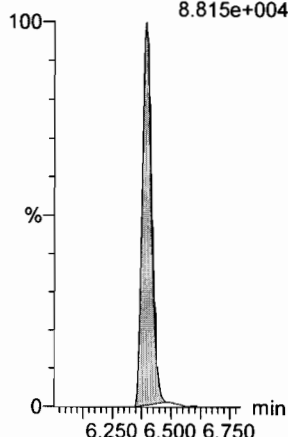
d5-N-ETFOSE

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.373e+005



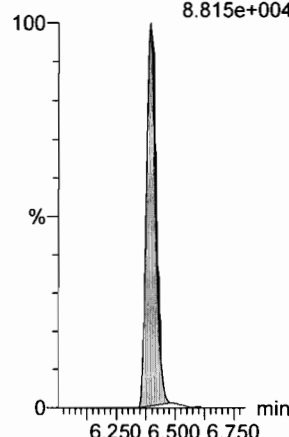
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.815e+004



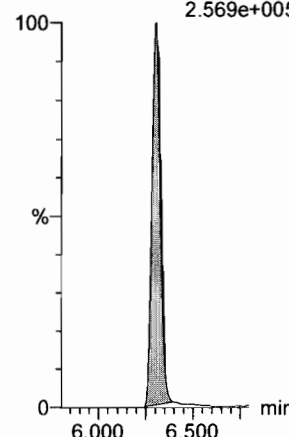
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.815e+004



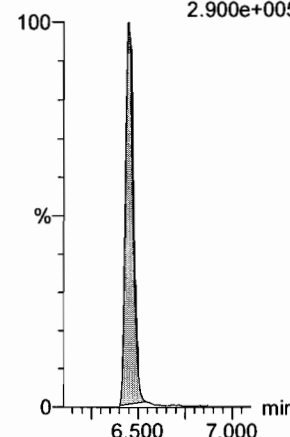
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.569e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.900e+005



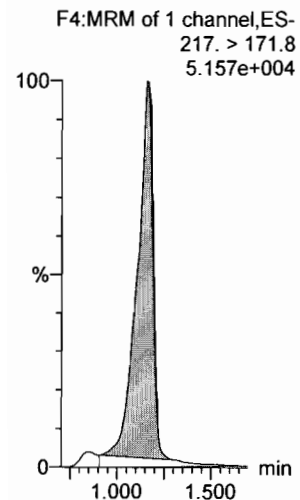
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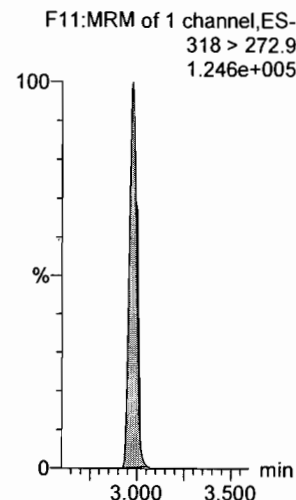
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Name: 180722M1_10, Date: 22-Jul-2018, Time: 17:55:32, ID: ST180722M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

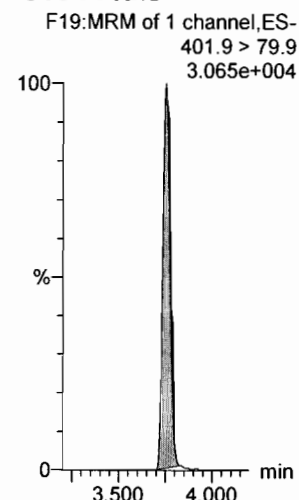
13C4-PFBA



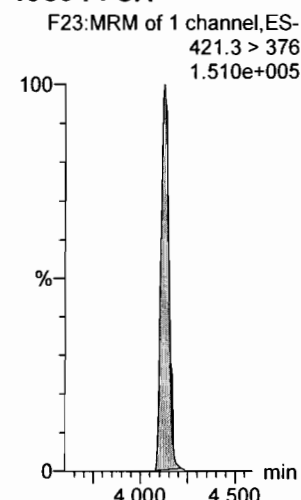
13C5-PFHxA



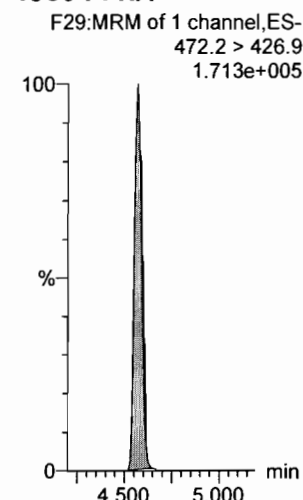
13C3-PFHxS



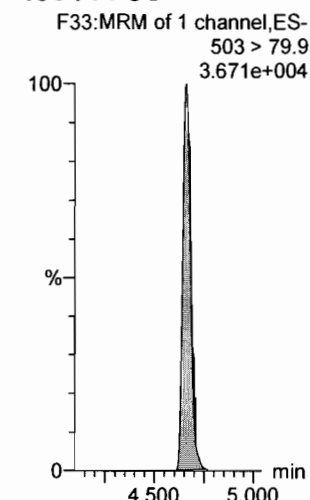
13C8-PFOA



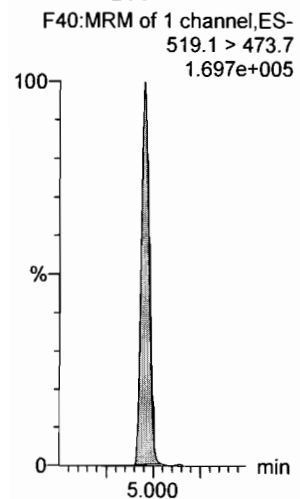
13C9-PFNA



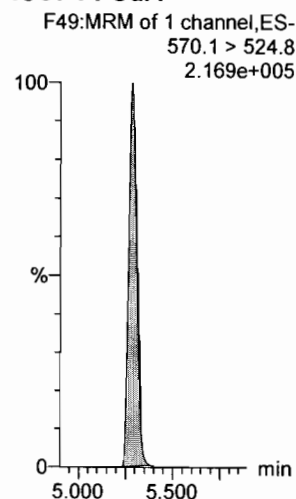
13C4-PFOS



13C6-PFDA



13C7-PFudA



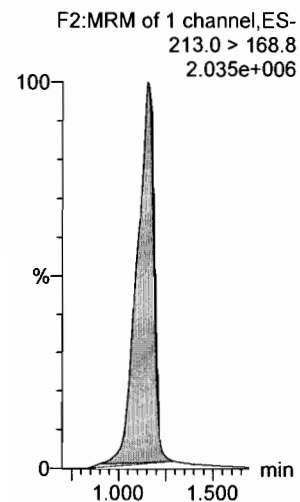
Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

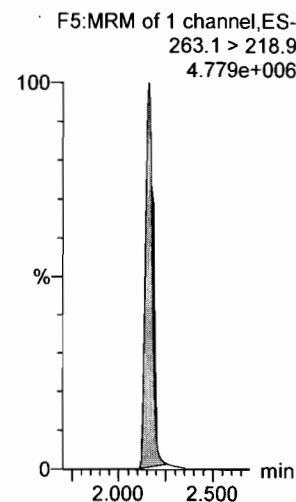
Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

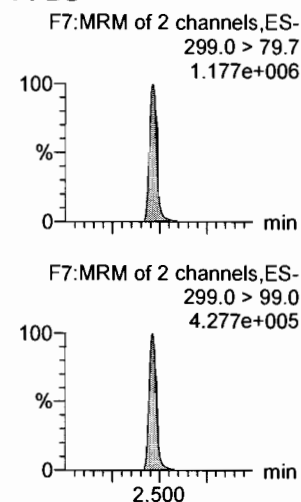
PFBA



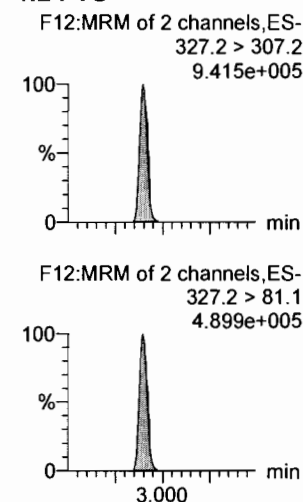
PFPeA



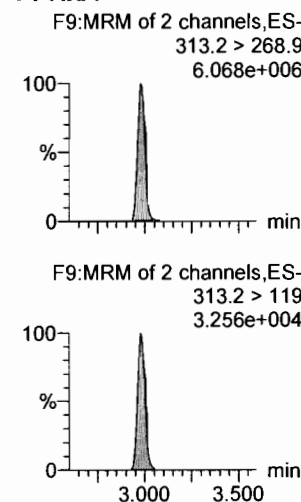
PFBS



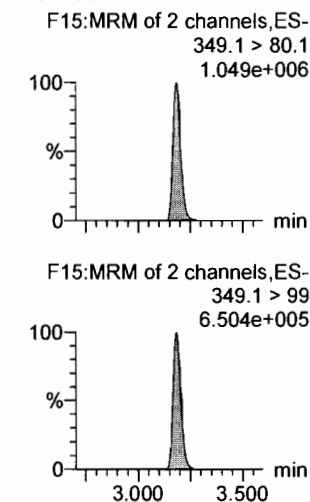
4:2 FTS



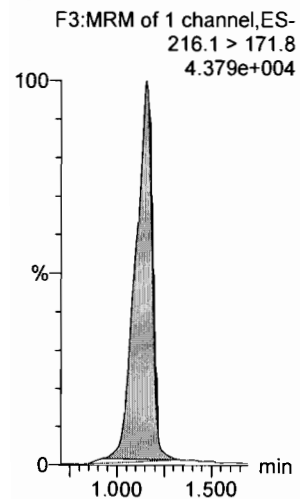
PFHxA



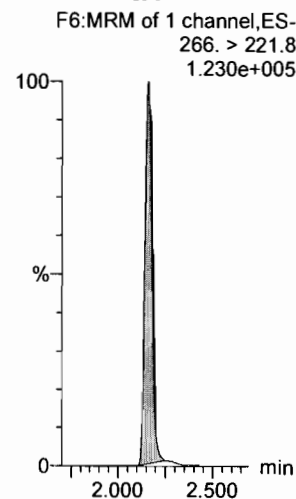
PFPeS



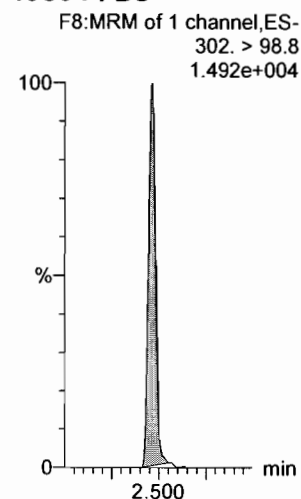
13C3-PFBA



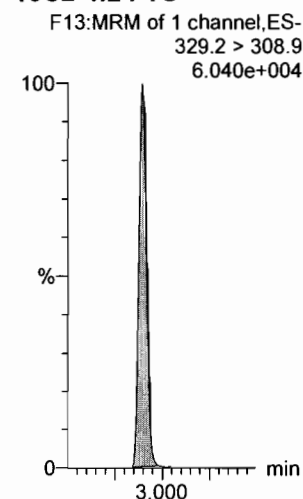
13C3-PFPeA



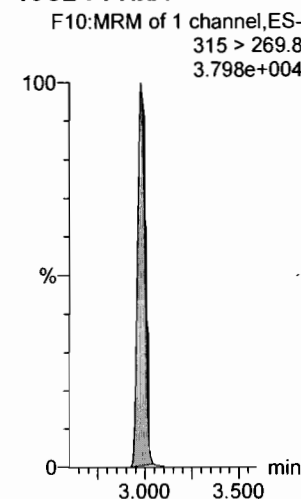
13C3-PFBS



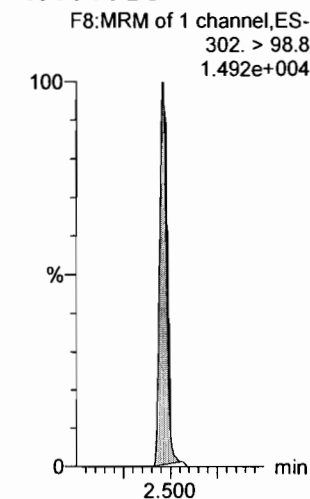
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



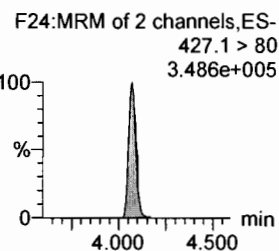
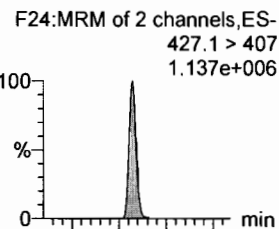
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Last Altered: Monday, July 23, 2018 08:53:43 Pacific Daylight Time

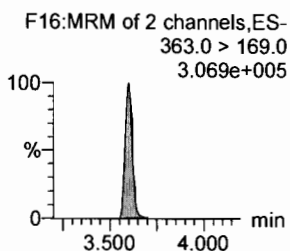
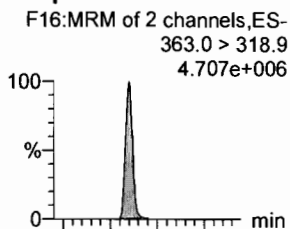
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Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

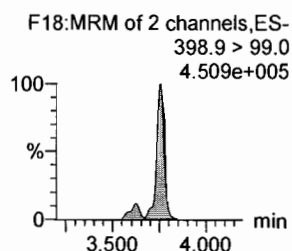
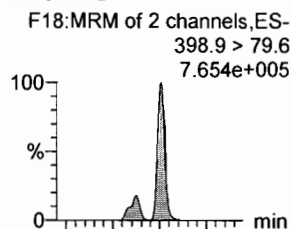
6:2 FTS



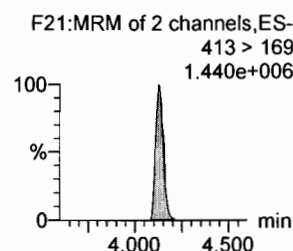
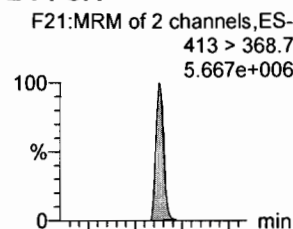
PFHpA



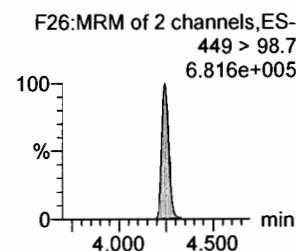
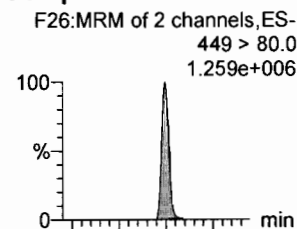
L-PFHxS



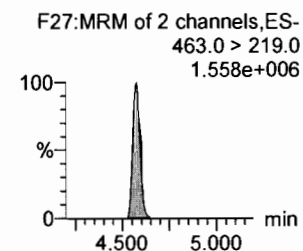
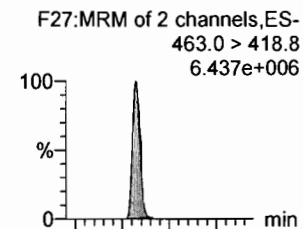
L-PFOA



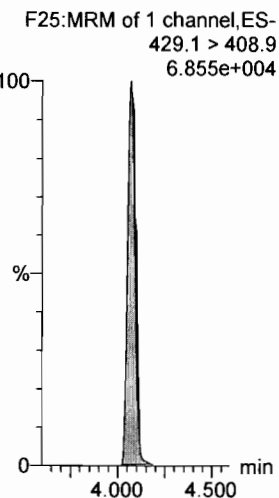
PFHpS



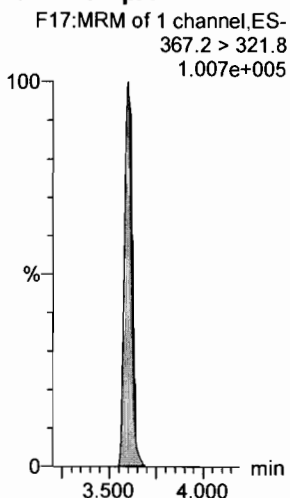
PFNA



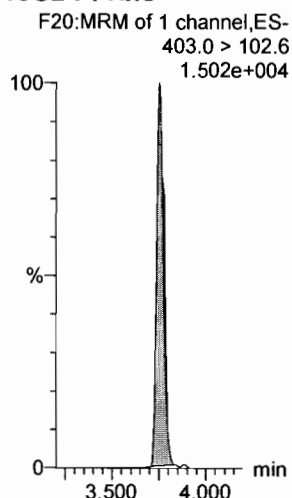
13C2-6:2 FTS



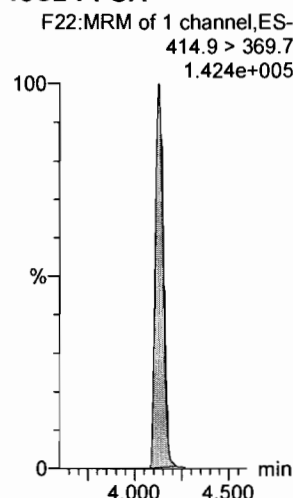
13C4-PFHpA



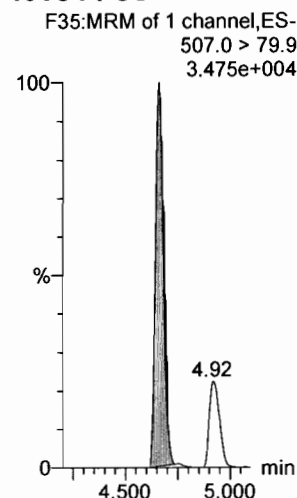
18O2-PFHxS



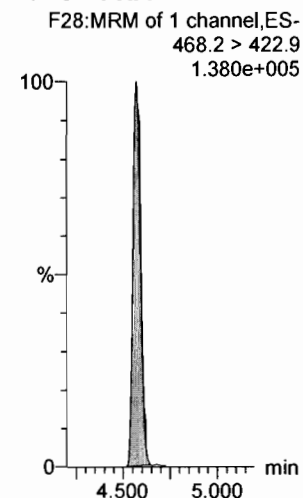
13C2-PFOA



13C8-PFOS



13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

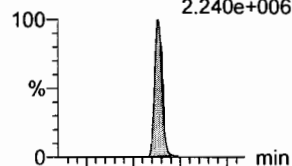
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

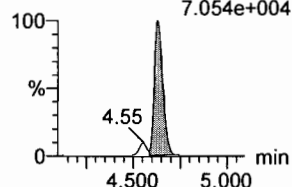
Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
2.240e+006

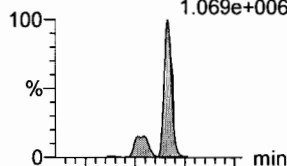


F30:MRM of 2 channels,ES-
498.2 > 169.1
7.054e+004

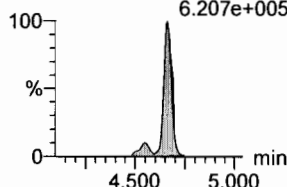


L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
1.069e+006

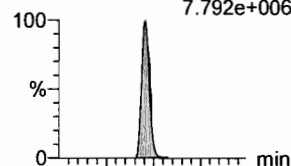


F32:MRM of 2 channels,ES-
499.1 > 98.9
6.207e+005

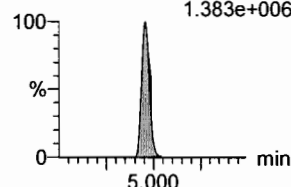


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
7.792e+006



F37:MRM of 2 channels,ES-
513 > 219
1.383e+006

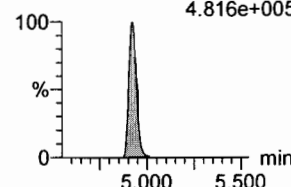


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.173e+006

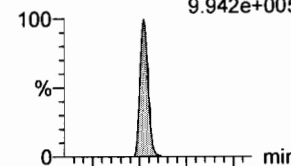


F42:MRM of 2 channels,ES-
527 > 80
4.816e+005

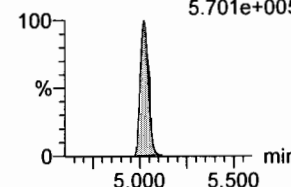


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
9.942e+005

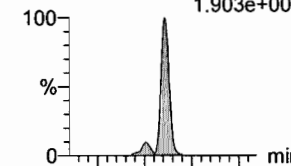


F45:MRM of 2 channels,ES-
549.1 > 99.1
5.701e+005

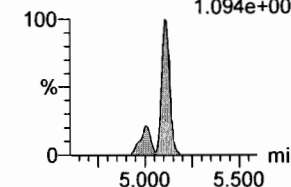


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.903e+006

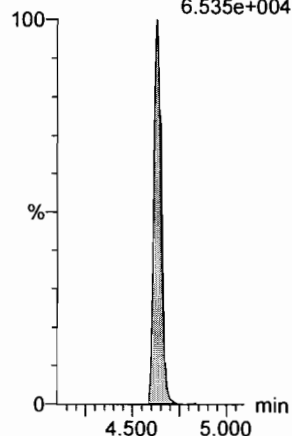


F48:MRM of 2 channels,ES-
570.1 > 483.0
1.094e+005



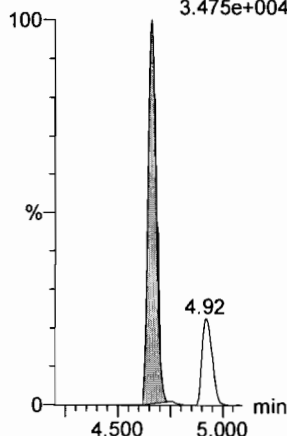
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
6.535e+004



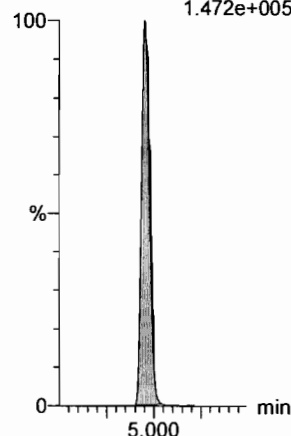
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.475e+004



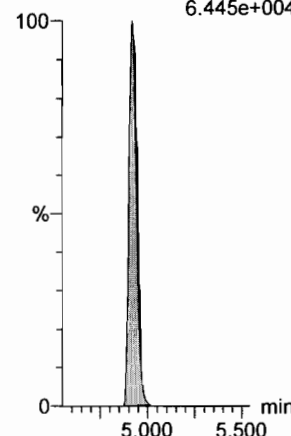
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
1.472e+005



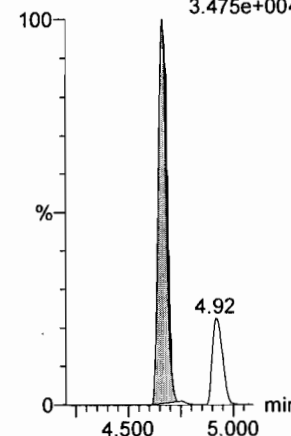
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
6.445e+004



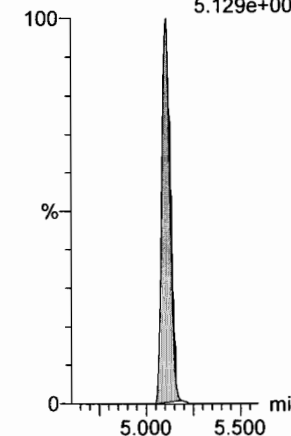
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.475e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
5.129e+004



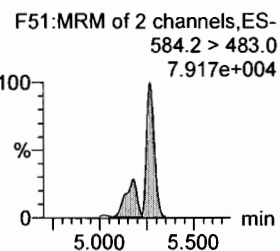
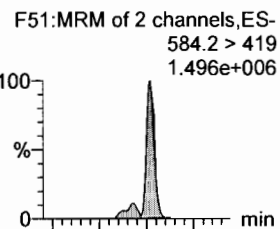
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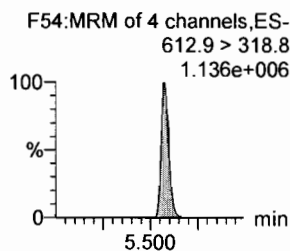
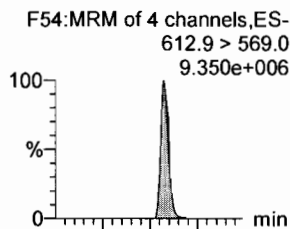
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Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

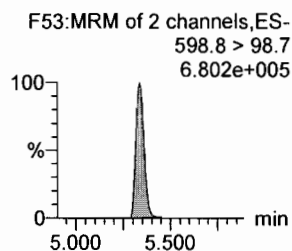
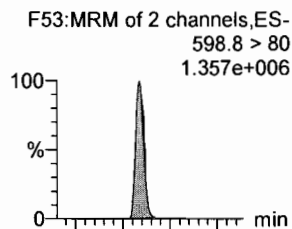
L-EtFOSAA



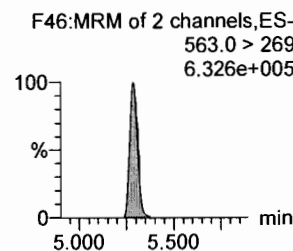
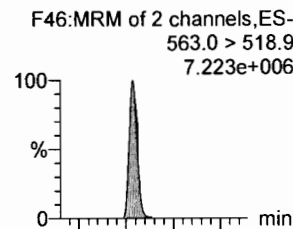
PFDaA



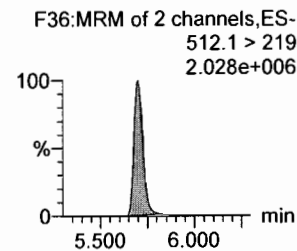
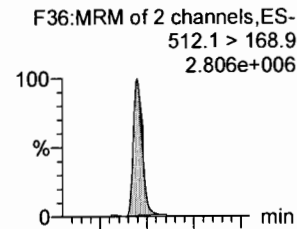
PFDS



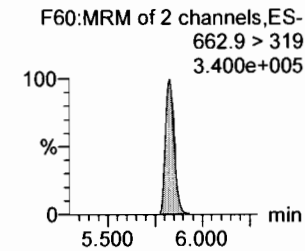
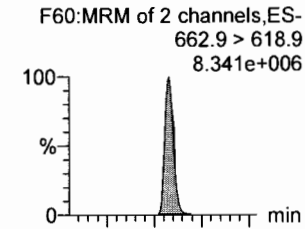
PFUdA



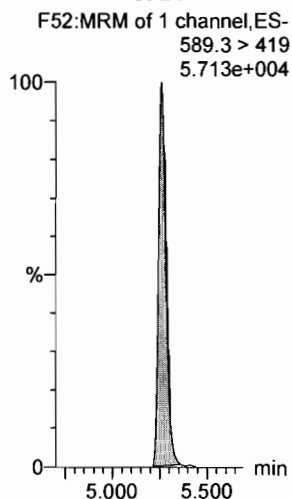
N-MeFOSA



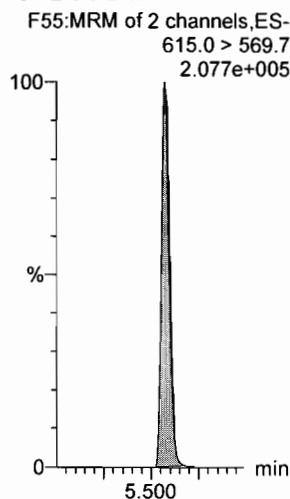
PFTrDA



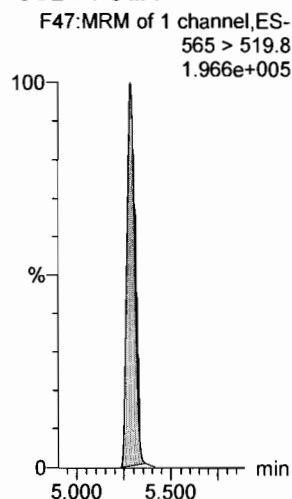
d5-N-EtFOSAA



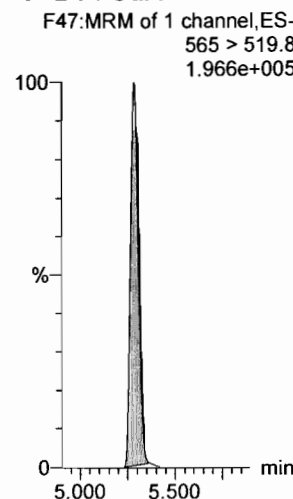
13C2-PFDaA



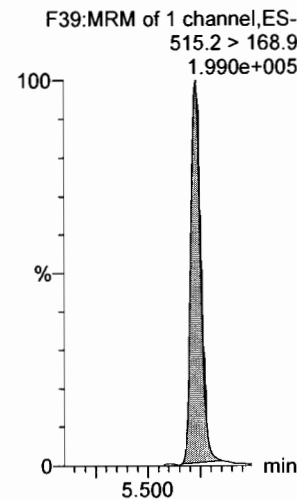
13C2-PFUdA



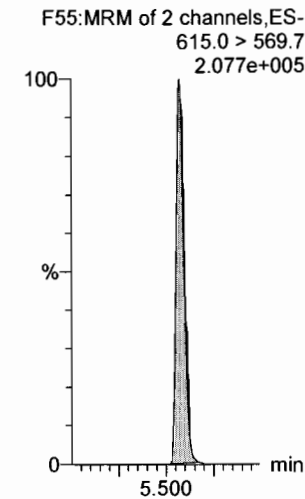
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



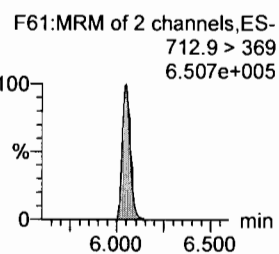
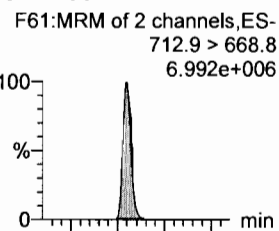
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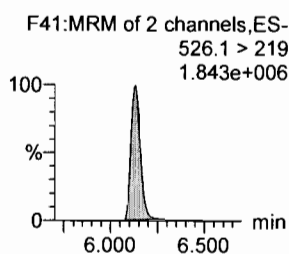
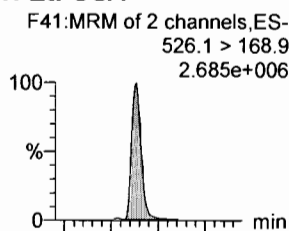
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Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

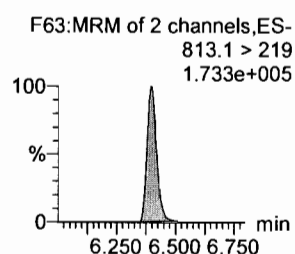
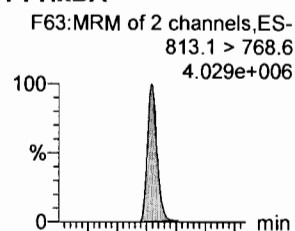
PFTeDA



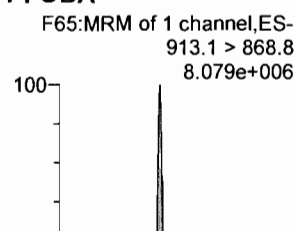
N-EtFOSA



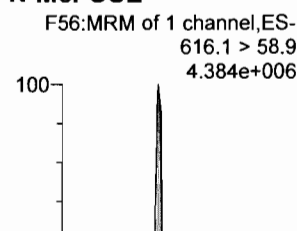
PFHxDA



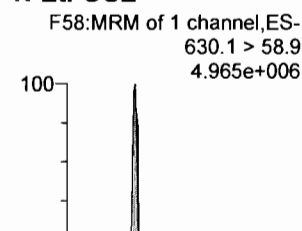
PFODA



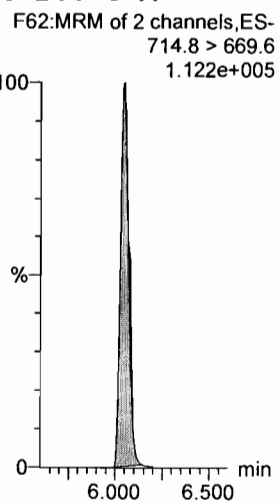
N-MeFOSE



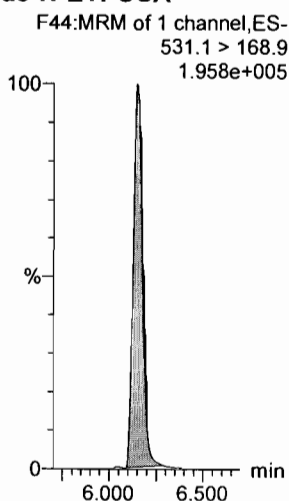
N-EtFOSE



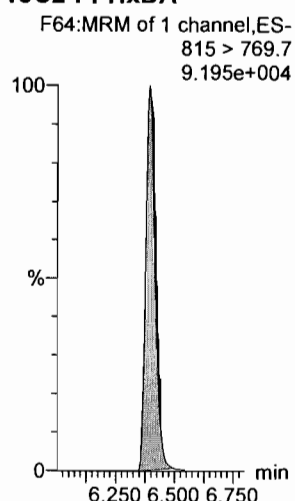
13C2-PFTeDA



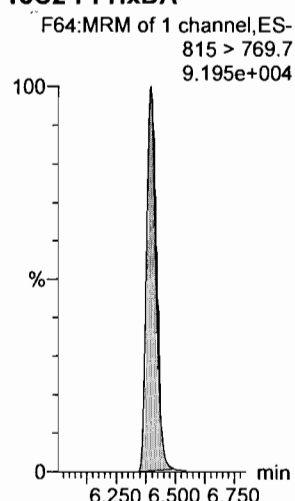
d5-N-ETFOSA



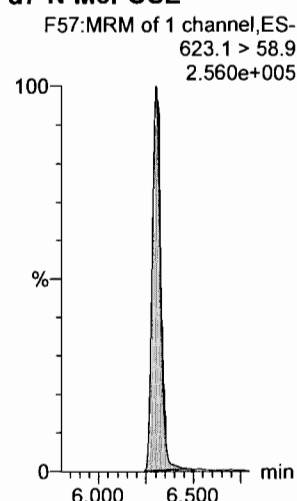
13C2-PFHxDA



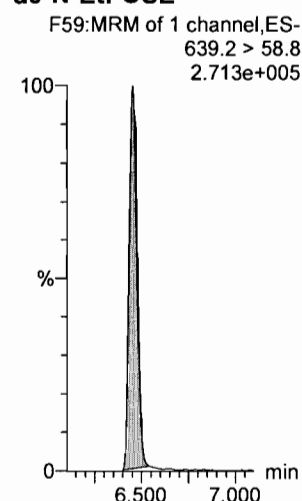
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-CRV.qld

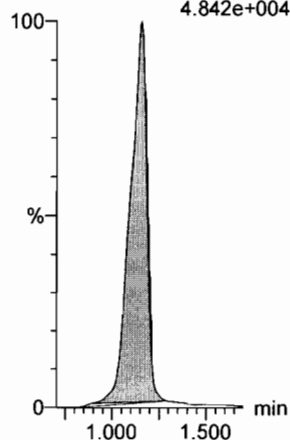
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Printed: Monday, July 23, 2018 08:54:03 Pacific Daylight Time

Name: 180722M1_11, Date: 22-Jul-2018, Time: 18:05:57, ID: ST180722M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

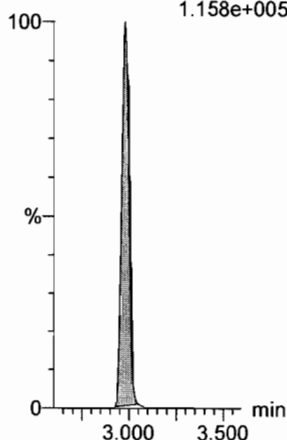
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
4.842e+004



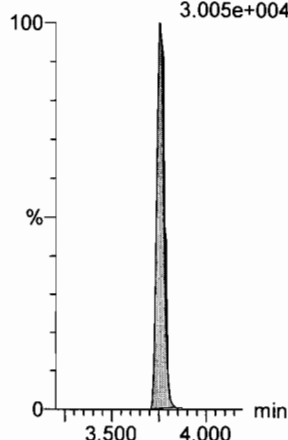
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.158e+005



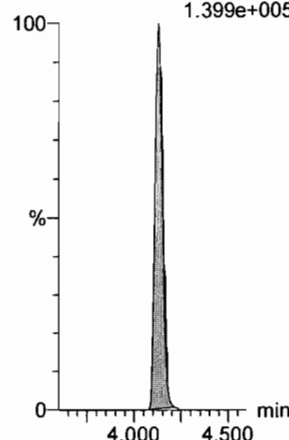
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.005e+004



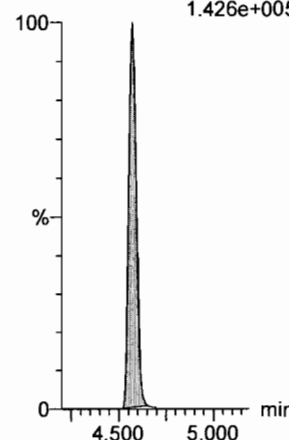
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.399e+005



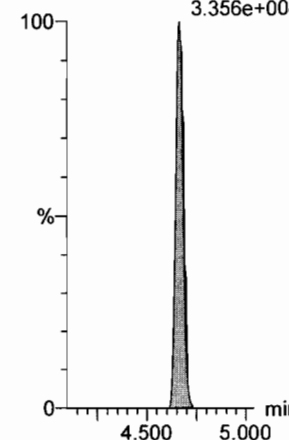
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.426e+005



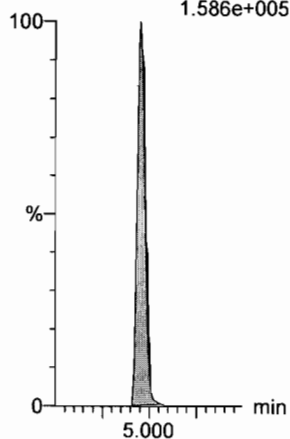
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.356e+004



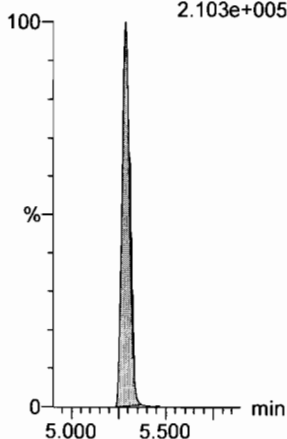
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.586e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.103e+005



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-ICV.qld

Last Altered: Monday, July 23, 2018 09:54:19 Pacific Daylight Time

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Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	3966.802	4532.486	1.00	1.15	10.940	9.4	94.2	NO		
2	2 PFPeA	263.1 > 218.9	4549.302	6320.469	1.00	2.16	8.997	9.2	91.7	NO		
3	3 PFBS	299.0 > 79.7	1063.294	795.086	1.00	2.46	16.717	8.4	83.7	NO	2.931	NO
4	4 4:2 FTS	327.2>307.2	927.428	1096.597	1.00	2.89	10.572	9.9	98.5	NO	2.014	NO
5	5 PFHxA	313.2 > 268.9	6001.017	1781.324	1.00	2.98	16.844	9.7	97.0	NO	268.694	YES
6	6 PFPeS	349.1>80.1	977.902	795.086	1.00	3.18	15.374	9.1	90.8	NO	1.676	NO
7	36 13C3-PFBA	216.1 > 171.8	4532.486	5038.573	1.00	1.16	11.244	12.3	98.5	NO		
8	37 13C3-PFPeA	266. > 221.8	6320.469	6233.759	1.00	2.16	12.674	12.6	100.7	NO		
9	38 13C3-PFBS	302. > 98.8	795.086	6233.759	1.00	2.46	1.594	13.0	104.3	NO		
10	39 13C2-4:2 FTS	329.2>308.9	1096.597	6233.759	1.00	2.90	2.199	12.1	96.8	NO		
11	40 13C2-PFHxA	315 > 269.8	1781.324	6233.759	1.00	2.98	3.572	4.9	97.3	NO		
12	38 13C3-PFBS	302. > 98.8	795.086	6233.759	1.00	2.46	1.594	13.0	104.3	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	1043.598	1078.754	1.00	4.07	12.093	10.7	107.3	NO	2.998	NO
15	7 PFHpA	363.0 > 318.9	4682.771	5150.545	1.00	3.60	11.365	10.0	100.3	NO	15.730	NO
16	8 L-PFHxS	398.9 > 79.6	897.364	717.109	1.00	3.75	15.642	9.3	93.1	NO	1.866	NO
17	11 L-PFOA	413 > 368.7	5920.478	7521.269	1.00	4.13	9.840	9.5	94.9	NO	4.349	NO
18	13 PFHpS	449 > 80.0	1113.042	1703.127	1.00	4.24	8.169	9.5	94.9	NO	1.911	NO
19	14 PFNA	463.0 > 418.8	6488.563	7615.155	1.00	4.58	10.651	8.7	86.8	NO	4.011	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	1078.754	7540.919	1.00	4.07	1.788	11.1	89.0	NO		
21	41 13C4-PFHpA	367.2 > 321.8	5150.545	6233.759	1.00	3.60	10.328	12.4	98.8	NO		
22	42 18O2-PFHxS	403.0 > 102.6	717.109	1568.879	1.00	3.75	5.714	11.8	94.1	NO		
23	44 13C2-PFOA	414.9 > 369.7	7521.269	7540.919	1.00	4.13	12.467	12.2	97.4	NO		
24	47 13C8-PFOS	507.0 > 79.9	1703.127	1755.234	1.00	4.66	12.129	11.2	89.6	NO		
25	45 13C5-PFNA	468.2 > 422.9	7615.155	7074.990	1.00	4.58	13.454	13.9	111.2	NO		
26	-1											
27	15 PFOSA	498.2 > 77.9	2392.750	3562.040	1.00	4.63	8.397	9.5	94.8	NO	44.700	NO
28	16 L-PFOS	499.1 > 79.9	1253.631	1703.127	1.00	4.66	9.201	10.0	99.7	NO	1.861	NO
29	18 PFDA	513 > 468.8	7890.865	8024.381	1.00	4.96	12.292	9.2	91.5	NO	5.503	NO
30	19 8:2 FTS	527 > 506.9	1268.213	1111.361	1.00	4.92	14.264	10.2	102.2	NO	2.975	NO
31	20 PFNS	549.1>80.1	1063.334	1703.127	1.00	5.03	7.804	9.5	95.2	NO	1.959	NO
32	21 L-MeFOSAA	570.1 > 419	2626.039	2693.248	1.00	5.11	12.188	10.0	100.0	NO	25.232	NO
33	46 13C8-PFOSA	506.1 > 77.7	3562.040	12370.670	1.00	4.63	3.599	12.8	102.6	NO		
34	47 13C8-PFOS	507.0 > 79.9	1703.127	1755.234	1.00	4.66	12.129	11.2	89.6	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-ICV.qld

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④ Not in ICV.

Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	8024.381	8690.045	1.00	4.96	11.542	12.7	101.3	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1111.361	6233.759	1.00	4.92	2.229	13.1	104.6	NO		
37	47 13C8-PFOS	507.0 > 79.9	1703.127	1755.234	1.00	4.66	12.129	11.2	89.6	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2693.248	12370.670	1.00	5.11	2.721	12.0	95.7	NO		
39	-1											
40	23 L-EtFOSAA	584.2 > 419	2116.057	3088.685	1.00	5.27	8.564	9.7	97.0	NO	21.693	NO
41	27 PFDoA	612.9 > 569.0	10127.861	10534.631	1.00	5.57	12.017	9.6	96.2	NO	9.161	NO
42	26 PFDS	598.8 > 80	1420.124	9373.188	1.00	5.34	1.894	11.5	115.2	NO	2.257	NO
43	25 PFUdA	563.0 > 518.9	8112.666	9373.188	1.00	5.28	10.819	10.8	107.7	NO	11.333	NO
44	28 N-MeFOSA	512.1 > 168.9		12455.108	1.00				④	NO		
45	29 PFTeDA	662.9 > 618.9	9814.218	10534.631	1.00	5.83	11.645	9.3	93.3	NO	29.117	NO
46	51 d5-N-EtFOSAA	589.3 > 419	3088.685	12370.670	1.00	5.26	3.121	12.7	101.6	NO		
47	53 13C2-PFDoA	615.0 > 569.7	10534.631	8690.045	1.00	5.57	15.153	12.0	96.2	NO		
48	52 13C2-PFUdA	565 > 519.8	9373.188	12370.670	1.00	5.28	9.471	10.3	82.3	NO		
49	52 13C2-PFUdA	565 > 519.8	9373.188	12370.670	1.00	5.28	9.471	10.3	82.3	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	12455.108	12370.670	1.00	5.73	12.585	144.8	96.5	NO		
51	53 13C2-PFDoA	615.0 > 569.7	10534.631	8690.045	1.00	5.57	15.153	12.0	96.2	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	7979.017	5793.005	1.00	6.05	17.217	10.4	104.1	NO	11.854	NO
54	31 N-EtFOSA	526.1 > 168.9		15690.771	1.00				④	NO		
55	32 PFHxDA	813.1 > 768.6		3855.342	1.00					NO		
56	33 PFODA	913.1 > 868.8		3855.342	1.00					NO		
57	34 N-MeFOSE	616.1 > 58.9		13467.739	1.00					NO		
58	35 N-EtFOSE	630.1 > 58.9		14690.187	1.00					NO		
59	55 13C2-PFTeDA	714.8 > 669.6	5793.005	12370.670	1.00	6.05	5.854	10.8	86.5	NO		
60	56 d5-N-ETFOSE	531.1 > 168.9	15690.771	12370.670	1.00	6.15	15.855	157.6	105.1	NO		
61	57 13C2-PFHxDA	815 > 769.7	3855.342	12370.670	1.00	6.39	3.896	4.4	87.2	NO		
62	57 13C2-PFHxDA	815 > 769.7	3855.342	12370.670	1.00	6.39	3.896	4.4	87.2	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	13467.739	12370.670	1.00	6.31	13.609	142.6	95.0	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	14690.187	12370.670	1.00	6.45	14.844	151.2	100.8	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	5038.573	5038.573	1.00	1.16	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	6233.759	6233.759	1.00	2.98	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1568.879	1568.879	1.00	3.75	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-ICV.qld

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Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	7540.919	7540.919	1.00	4.13	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	7074.990	7074.990	1.00	4.58	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	1755.234	1755.234	1.00	4.66	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	8690.045	8690.045	1.00	4.96	12.500	12.5	100.0		NO	
73	67 13C7-PFUDa	570.1 > 524.8	12370.670	12370.670	1.00	5.28	12.500	12.5	100.0		NO	

Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-ICV.qld

Last Altered: Monday, July 23, 2018 09:54:19 Pacific Daylight Time

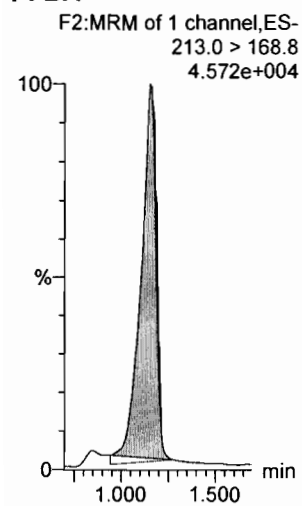
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072218.mdb 23 Jul 2018 09:48:19

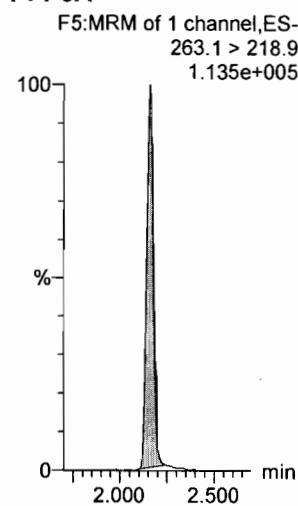
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

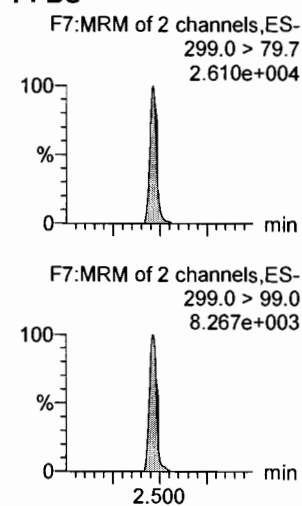
PFBA



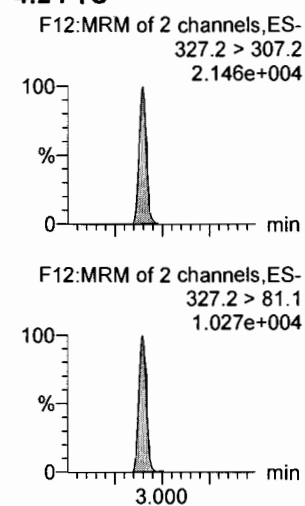
PFPeA



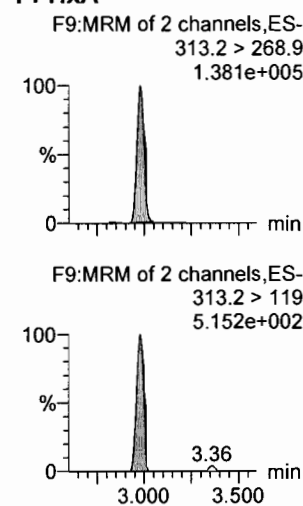
PFBS



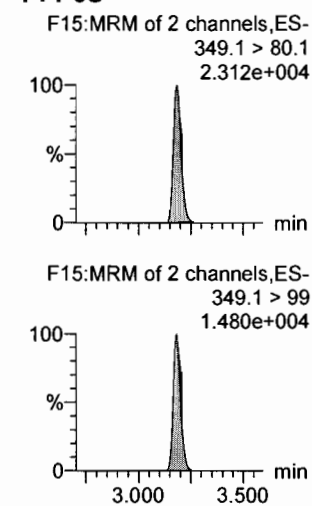
4:2 FTS



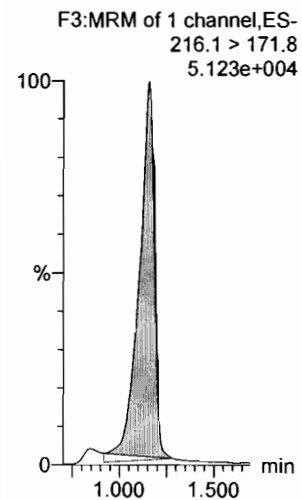
PFHxA



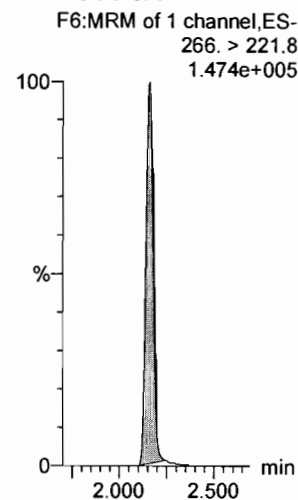
PFPeS



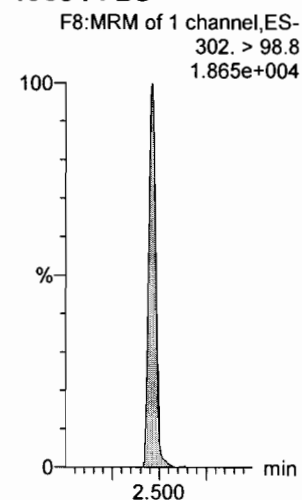
13C3-PFBA



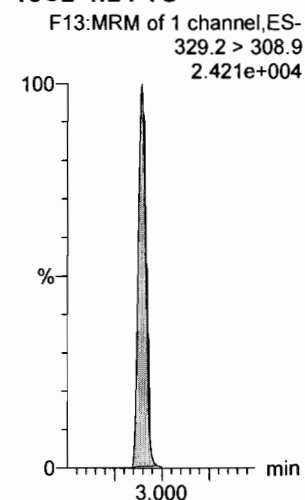
13C3-PFPeA



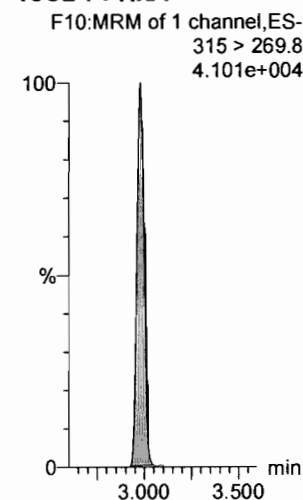
13C3-PFBS



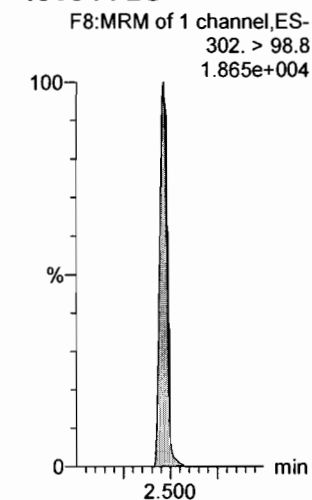
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180722M1\180722M1-ICV.qld

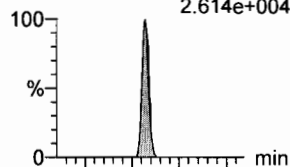
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Printed: Monday, July 23, 2018 09:54:29 Pacific Daylight Time

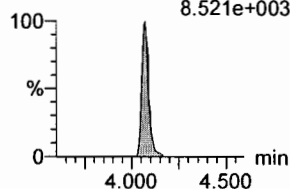
Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
2.614e+004

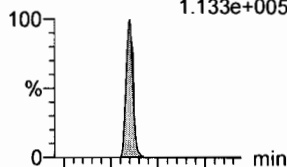


F24:MRM of 2 channels,ES-
427.1 > 80
8.521e+003

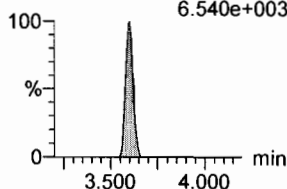


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.133e+005

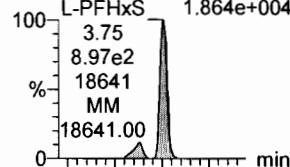


F16:MRM of 2 channels,ES-
363.0 > 169.0
6.540e+003

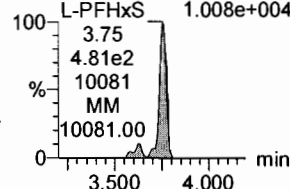


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.864e+004

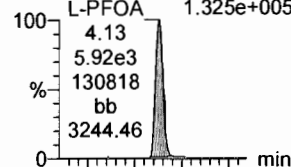


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.008e+004

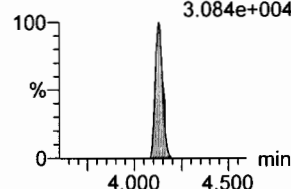


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.325e+005

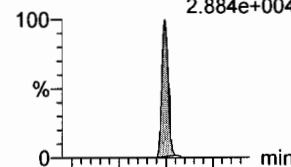


F21:MRM of 2 channels,ES-
413 > 169
3.084e+004

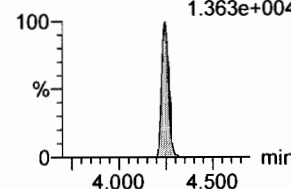


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
2.884e+004

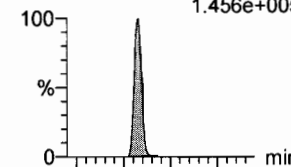


F26:MRM of 2 channels,ES-
449 > 98.7
1.363e+004

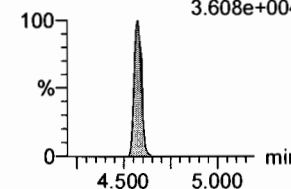


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
1.456e+005

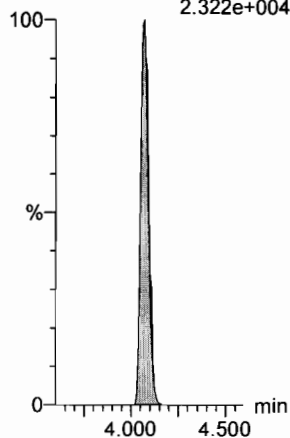


F27:MRM of 2 channels,ES-
463.0 > 219.0
3.608e+004



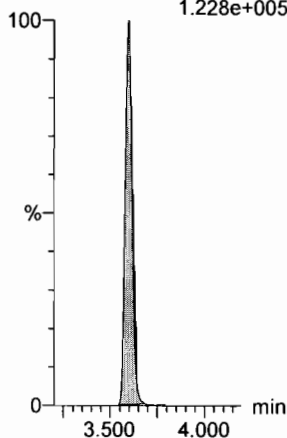
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.322e+004



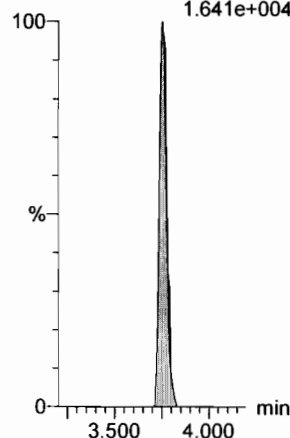
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.228e+005



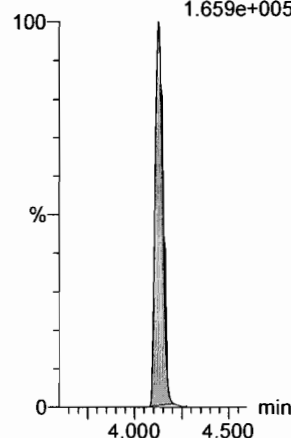
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.641e+004



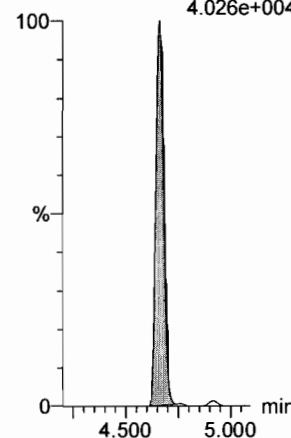
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.659e+005



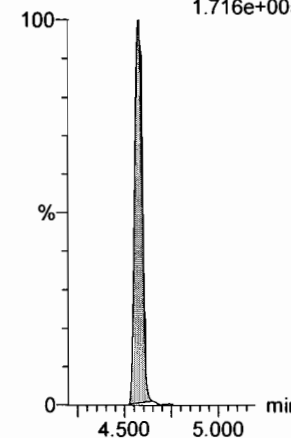
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.026e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.716e+005



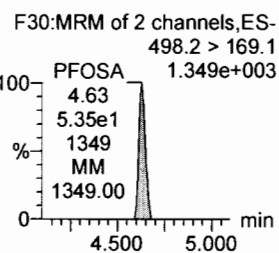
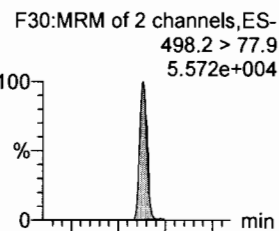
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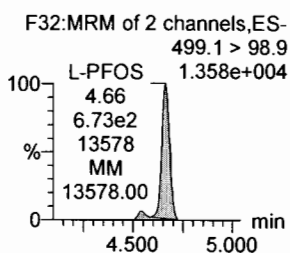
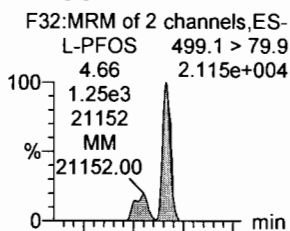
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Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

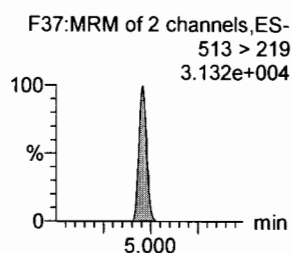
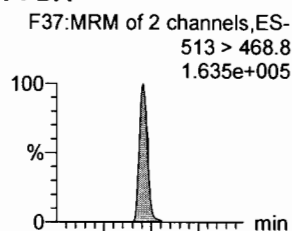
PFOSA



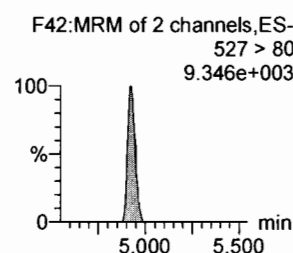
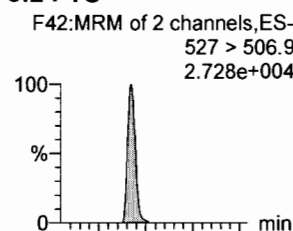
L-PFOS



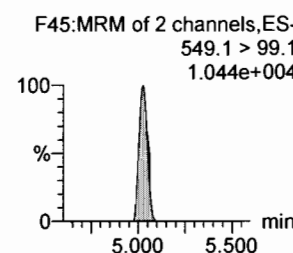
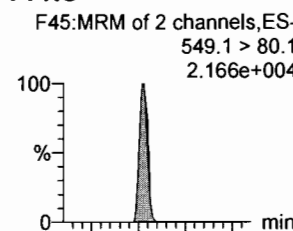
PFDA



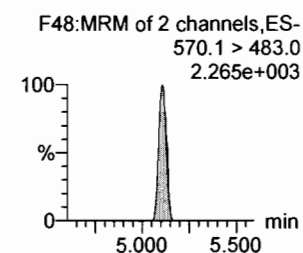
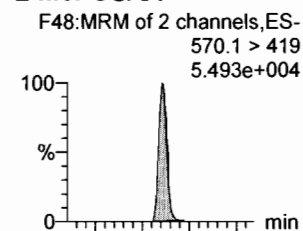
8:2 FTS



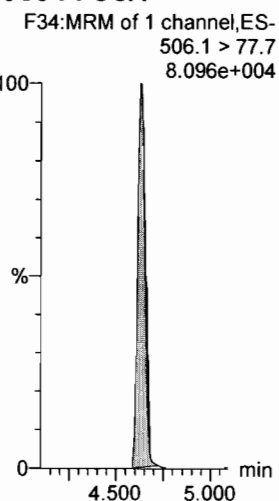
PFNS



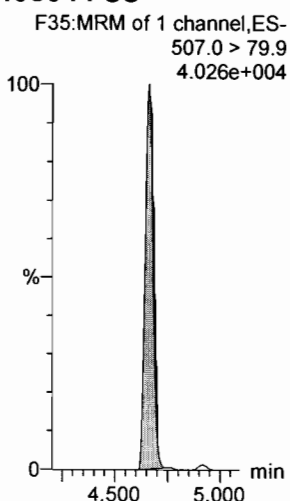
L-MeFOSAA



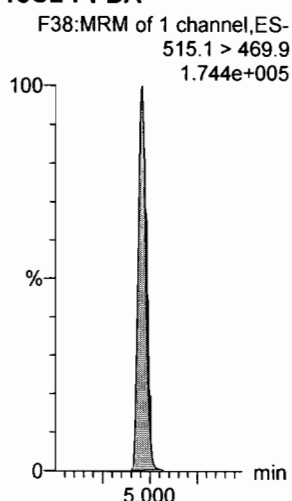
13C8-PFOSA



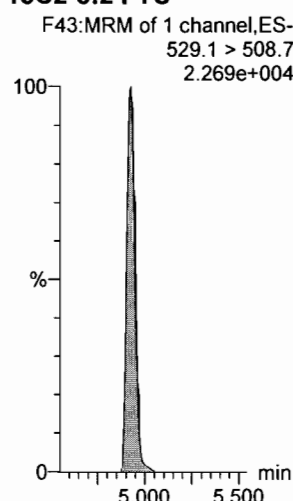
13C8-PFOS



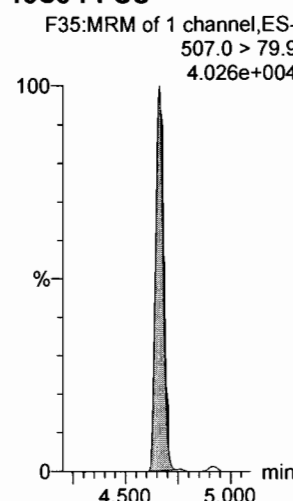
13C2-PFDA



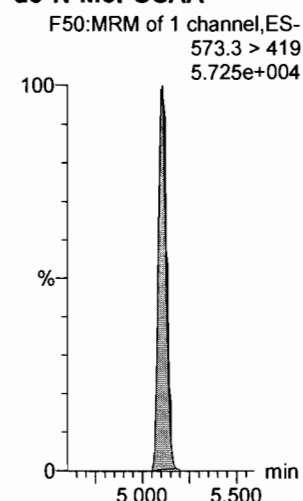
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



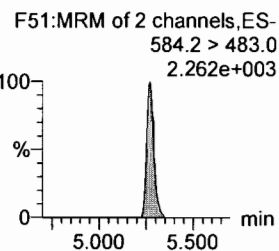
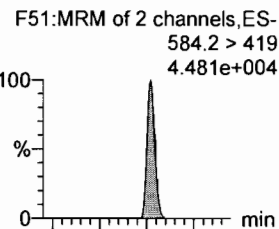
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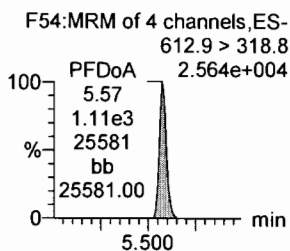
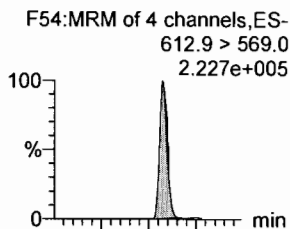
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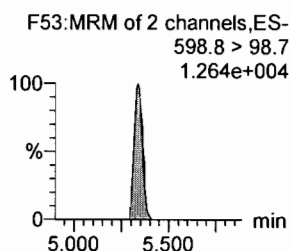
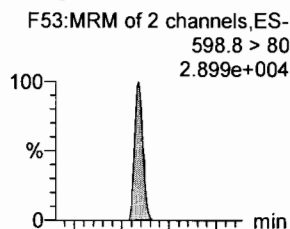
L-EtFOSAA



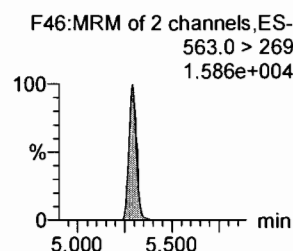
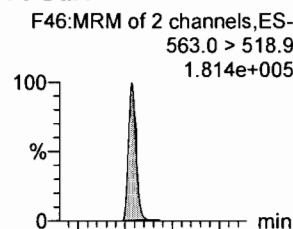
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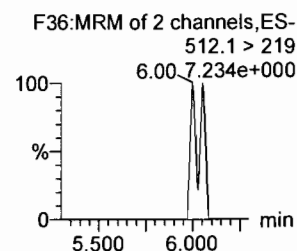
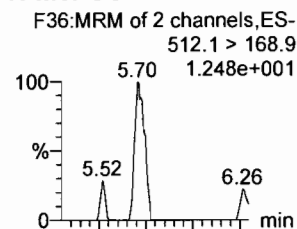
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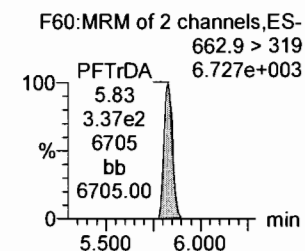
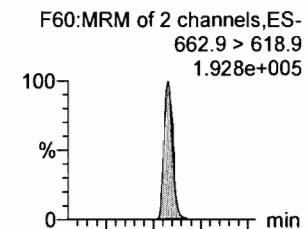
PFUdA



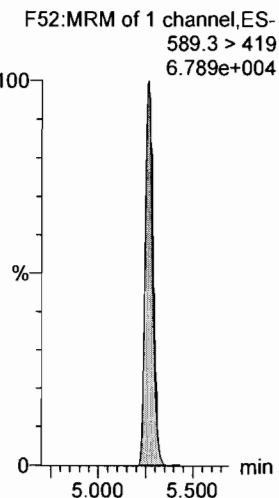
N-MeFOSA



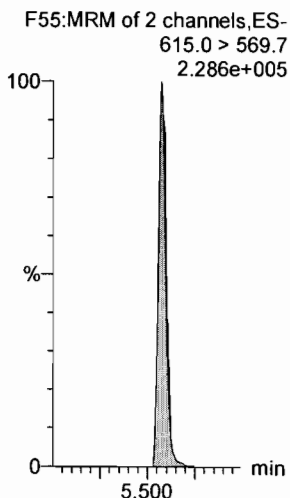
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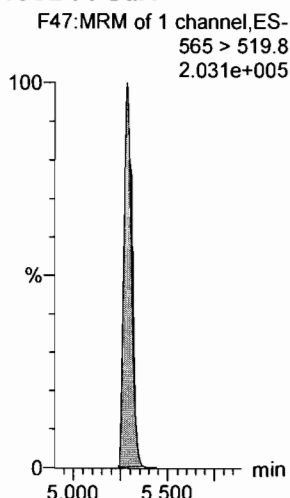
d5-N-EtFOSAA



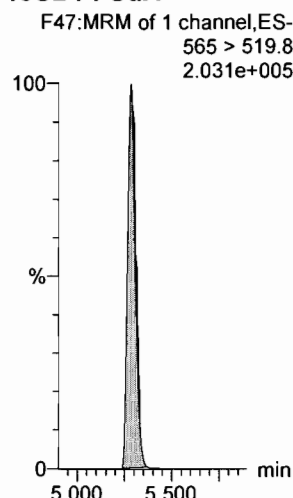
13C2-PFDaA



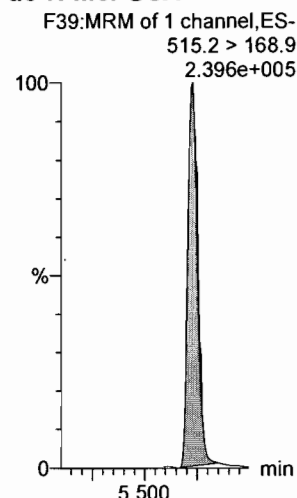
13C2-PFUdA



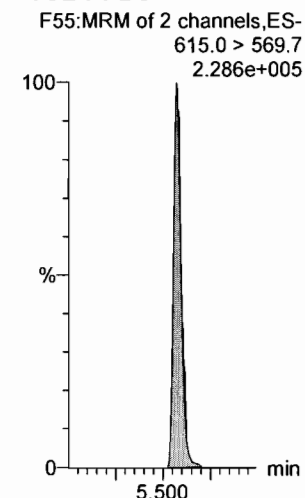
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



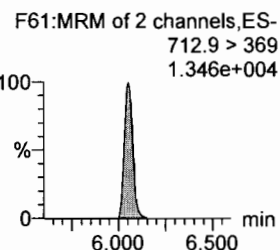
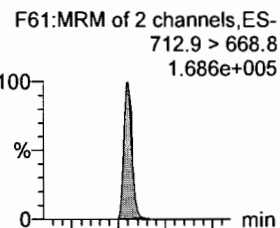
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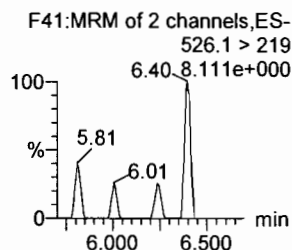
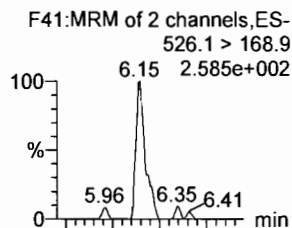
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Name: 180722M1_13, Date: 22-Jul-2018, Time: 18:26:51, ID: ICV180722M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

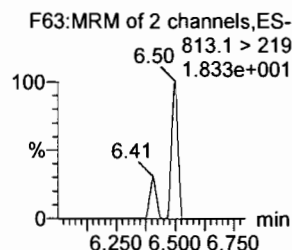
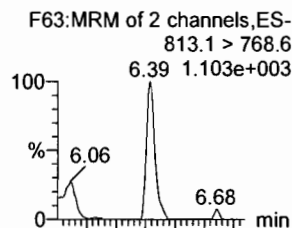
PFTeDA



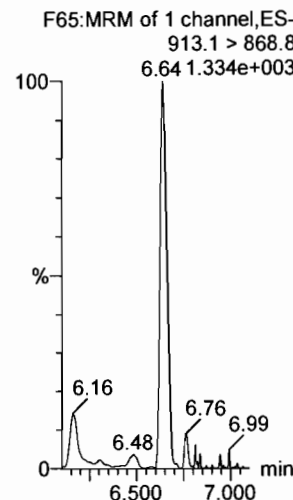
N-EtFOSA



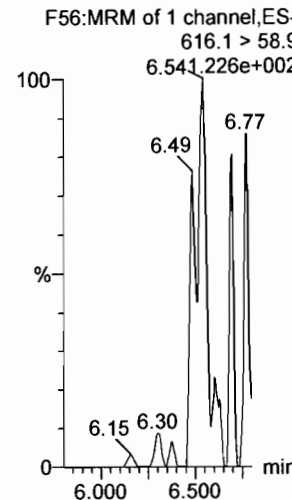
PFHxDA



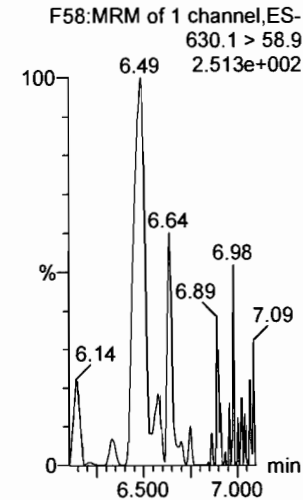
PFODA



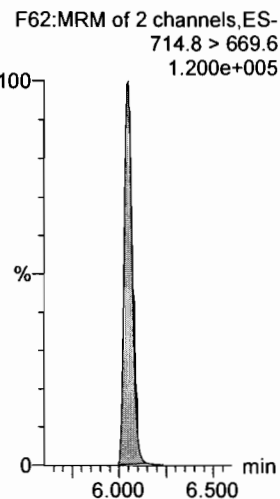
N-MeFOSE



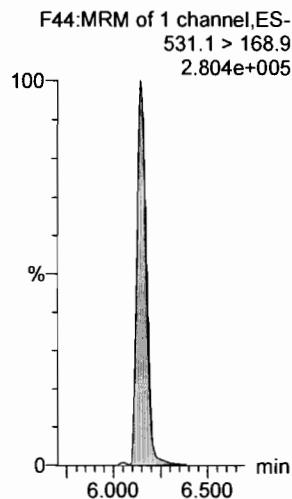
N-EtFOSE



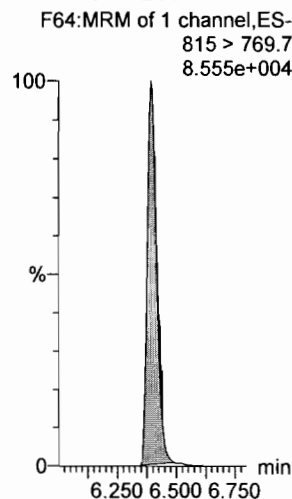
13C2-PFTeDA



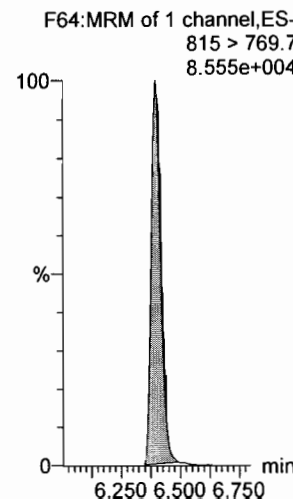
d5-N-ETFOSE



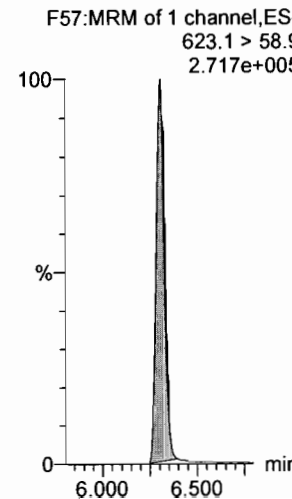
13C2-PFHxDA



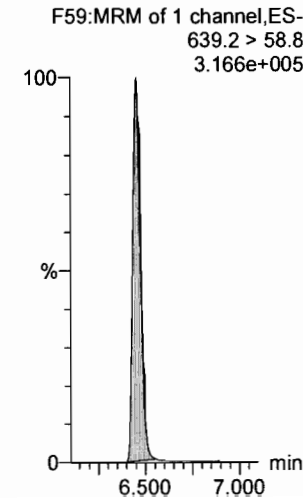
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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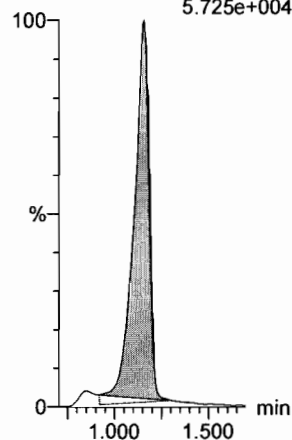
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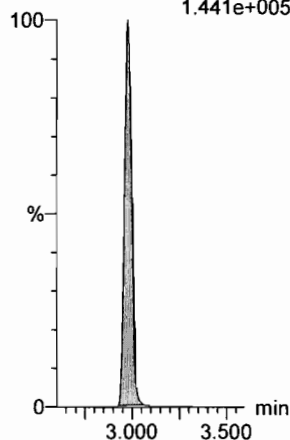
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.725e+004



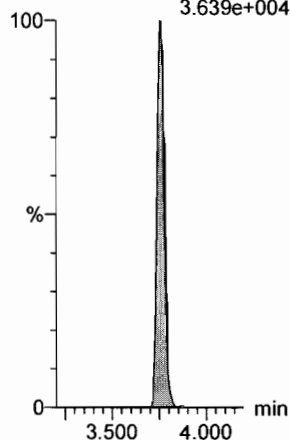
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.441e+005



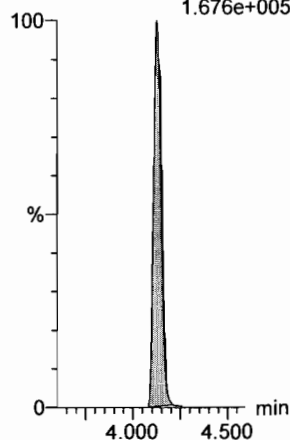
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.639e+004



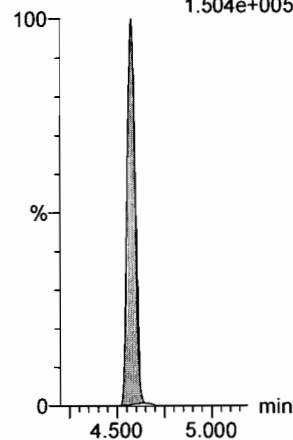
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.676e+005



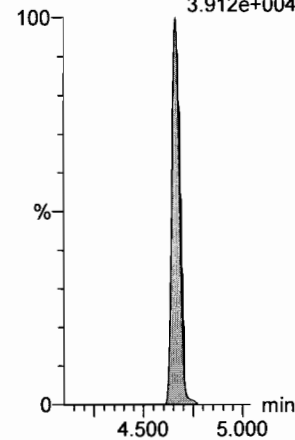
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.504e+005



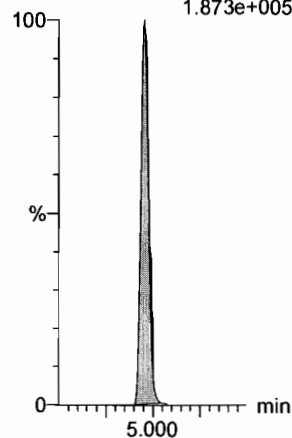
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.912e+004



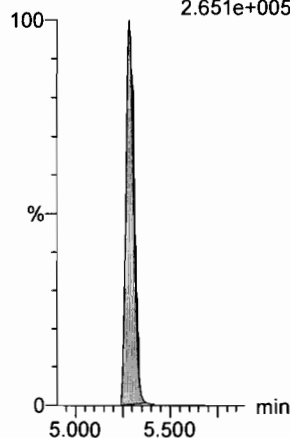
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.873e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.651e+005



Vista Analytical Laboratory

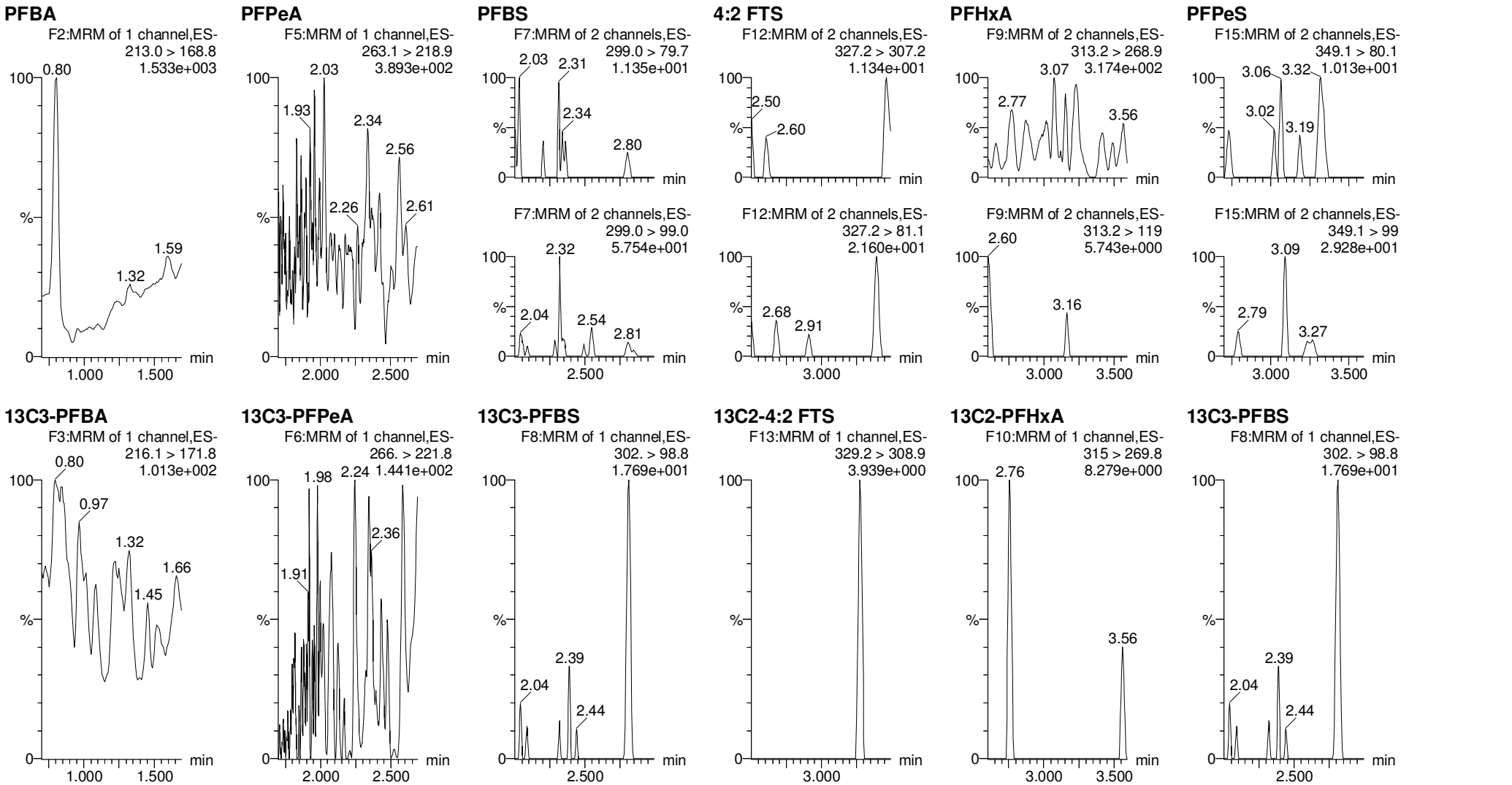
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Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-22-18.cdb 23 Jul 2018 09:46:03

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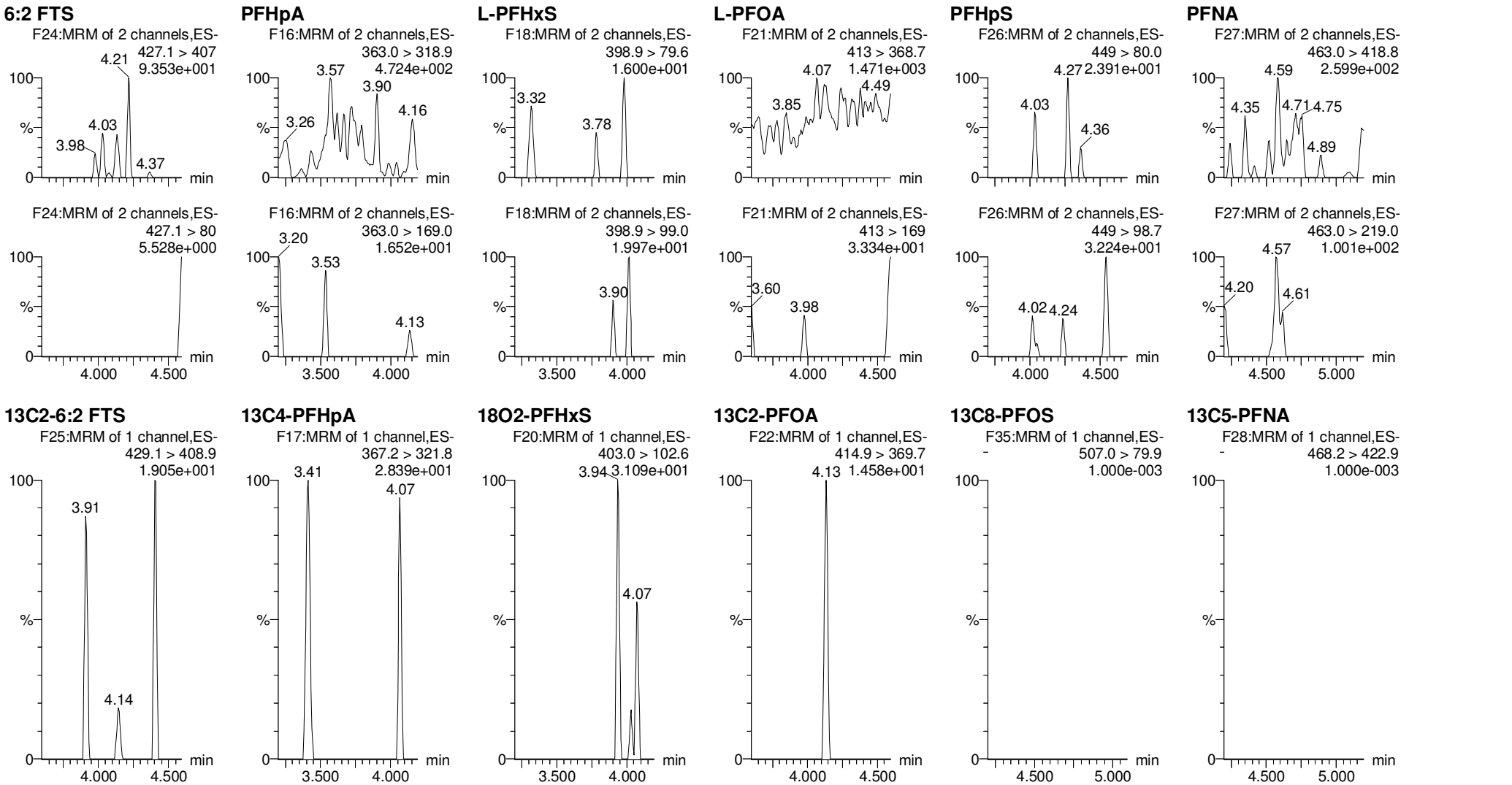
Vista Analytical Laboratory

Dataset: Untitled

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Vista Analytical Laboratory

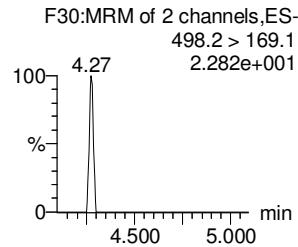
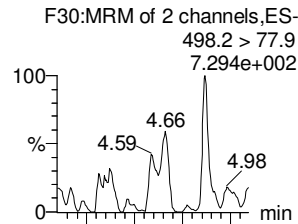
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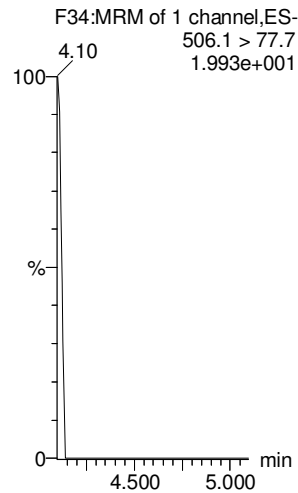
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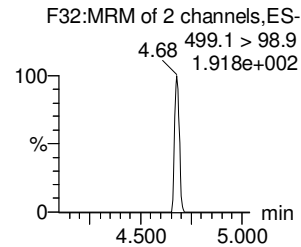
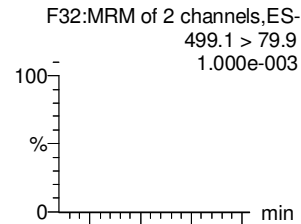
PFOSA



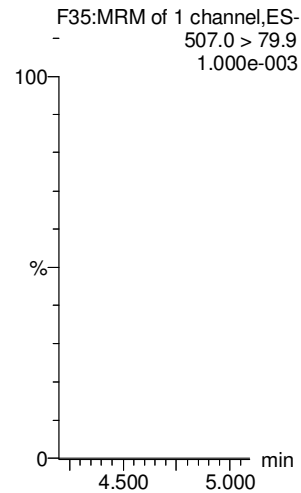
13C8-PFOSA



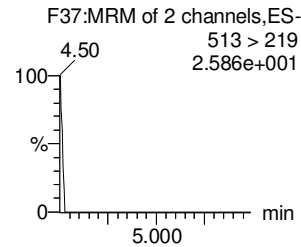
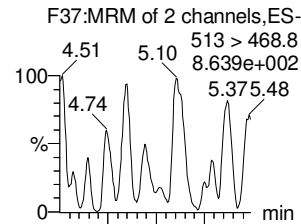
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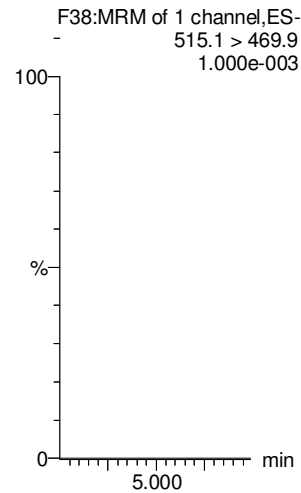
13C8-PFOS



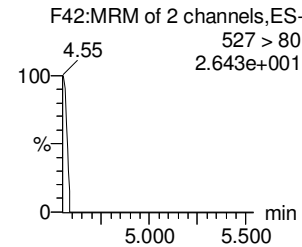
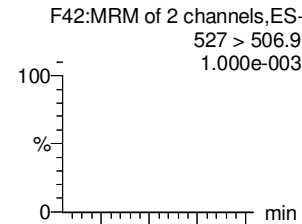
PFDA



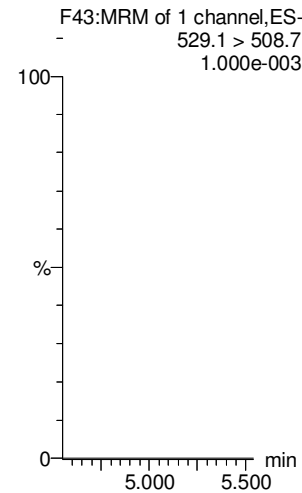
13C2-PFDA



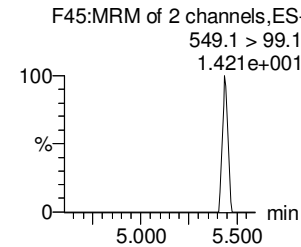
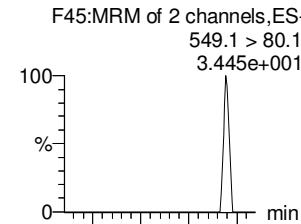
8:2 FTS



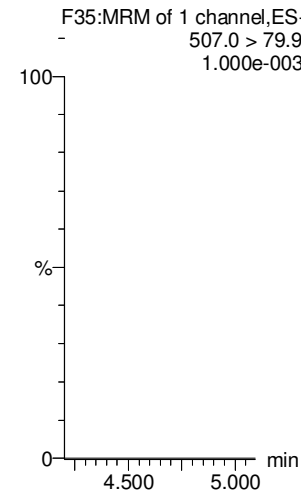
13C2-8:2 FTS



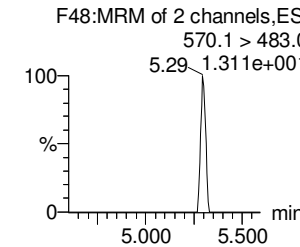
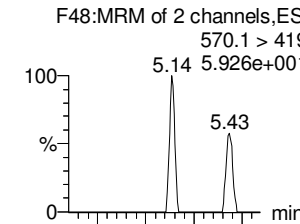
PFNS



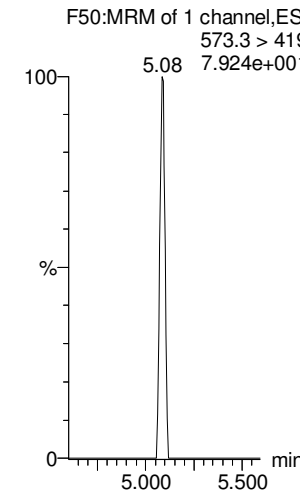
13C8-PFOS



L-MeFOSAA



d3-N-MeFOSAA



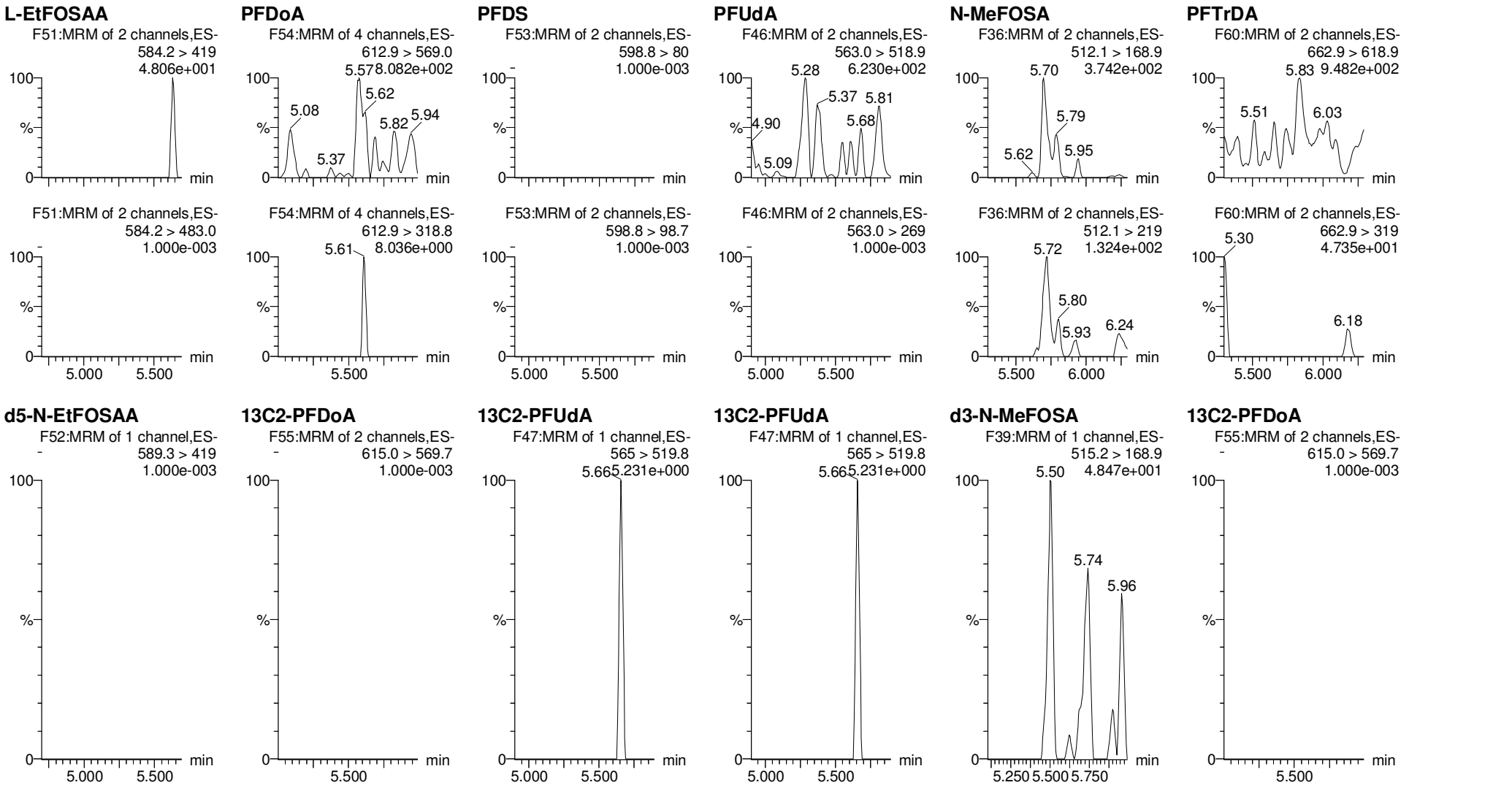
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



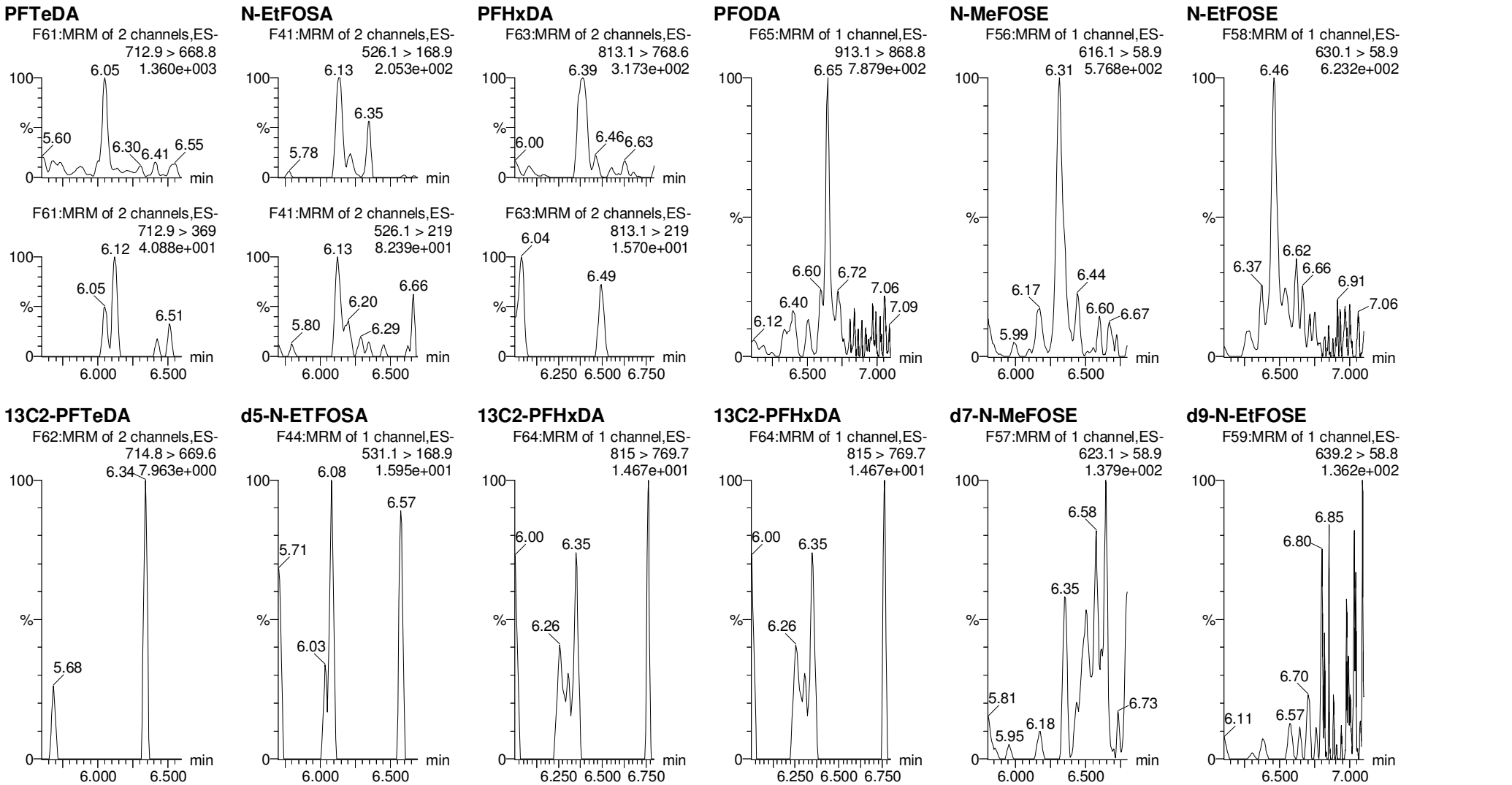
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



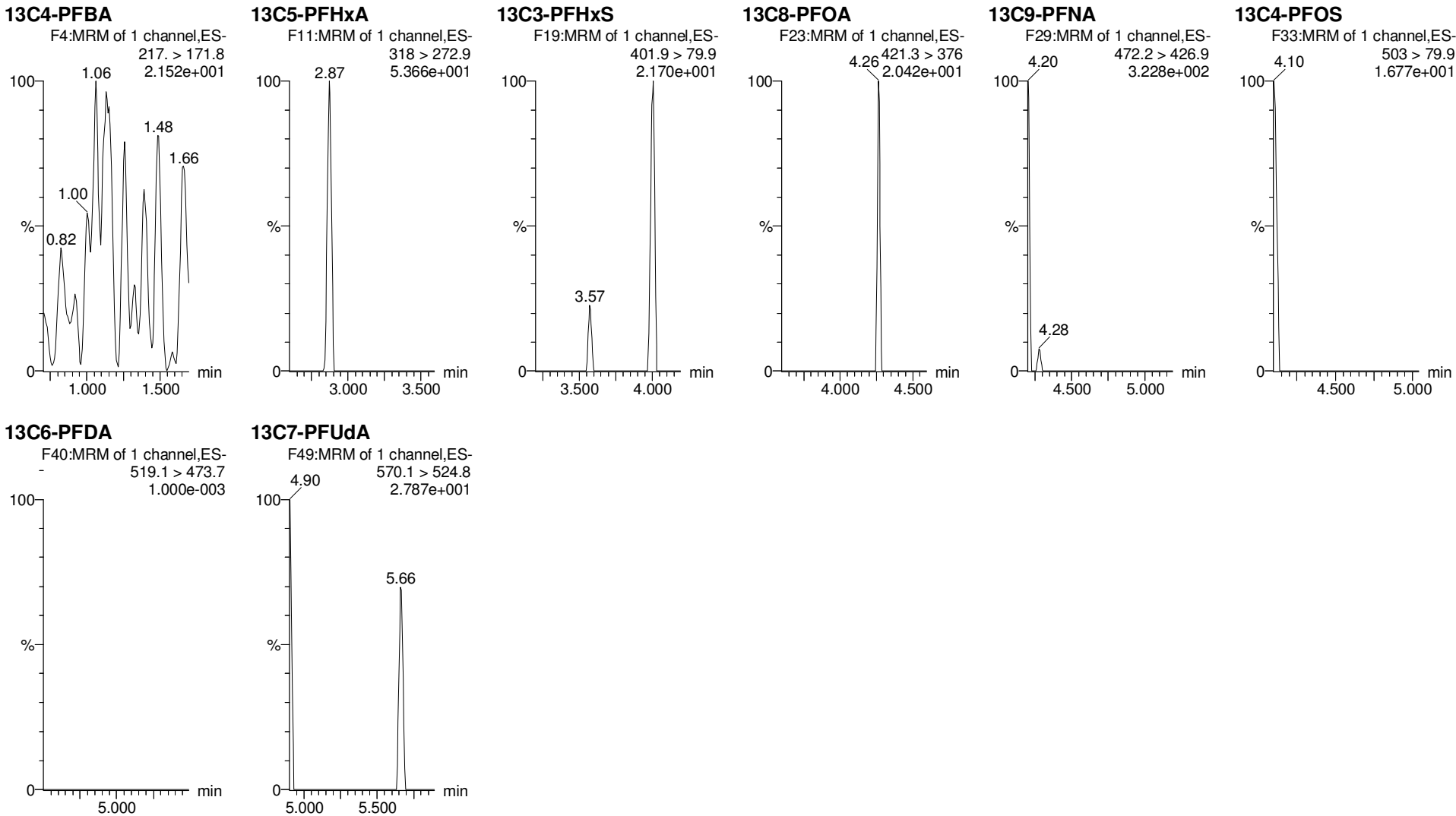
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, July 23, 2018 10:23:02 Pacific Daylight Time

Printed: Monday, July 23, 2018 10:23:15 Pacific Daylight Time

Name: 180722M1_12, Date: 22-Jul-2018, Time: 18:16:27, ID: IPA, Description: IPA



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:53 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Compound name: PFBA

Correlation coefficient: $r = 0.999775$, $r^2 = 0.999549$

Calibration curve: $1.06943 * x + 0.0393717$

Response type: Internal Std (Ref 36), 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 180726M1_2	Standard	0.250	1.39	111.484	4418.424	0.315	0.3	3.2	NO	1.000	NO	bb
2	2 180726M1_3	Standard	0.500	1.39	181.670	4323.896	0.525	0.5	-9.1	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	1.40	408.819	4377.152	1.167	1.1	5.5	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	1.39	719.152	4118.466	2.183	2.0	0.2	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	1.39	1866.950	4188.700	5.571	5.2	3.5	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	1.38	3653.147	4077.299	11.200	10.4	4.4	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	1.39	17890.879	4009.371	55.778	52.1	4.2	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	1.38	35250.879	3948.712	111.590	104.3	4.3	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	1.39	83877.836	3922.415	267.303	249.9	-0.0	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	1.39	154142.141	3654.035	527.301	493.0	-1.4	NO	1.000	NO	bb

Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999948$

Calibration curve: $-0.000129106 * x^2 + 0.992994 * x + -0.0245078$

Response type: Internal Std (Ref 37), 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 180726M1_2	Standard	0.250	2.39	120.184	6008.668	0.250	0.3	10.6	NO	1.000	NO	bb
2	2 180726M1_3	Standard	0.500	2.39	210.599	5830.568	0.451	0.5	-4.1	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	2.39	443.535	5756.473	0.963	1.0	-0.5	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	2.39	821.912	5333.680	1.926	2.0	-1.7	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	2.39	2163.593	5614.025	4.817	4.9	-2.4	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	2.39	4217.304	5423.140	9.721	9.8	-1.7	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	2.39	20745.920	5237.673	49.511	50.2	0.4	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	2.38	40037.418	5167.209	96.855	98.8	-1.2	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	2.39	92143.375	4754.991	242.228	252.2	0.9	NO	1.000	NO	bb

high pt
G:2PTS = 100
M:2PTS = 100
ET:2PTS = 100
low pt
G:2PTS = 0.5
M:2PTS = 0.5
ET:2PTS = 0.5
PFBA
PFDS
PFNS = 1.0
PFDS
82PTS
J

✓VBF 7/27/18
Jm 7/27/18

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:53 Pacific Daylight Time

Compound name: PFPeA

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180726M1_11	Standard	500.000	2.38	168348.797	4541.432	463.369	499.0	-0.2	NO	1.000	NO	bb

Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999683$

Calibration curve: $-0.000246522 * x^2 + 1.99743 * x + -0.14833$

Response type: Internal Std (Ref 38), 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 180726M1_2	Standard	0.250	2.67	24.159	737.525	0.409	0.3	11.7	NO	1.000	NO	MM
2	2 180726M1_3	Standard	0.500	2.68	42.371	673.043	0.787	0.5	-6.3	NO	1.000	NO	MM
3	3 180726M1_4	Standard	1.000	2.68	91.454	619.890	1.844	1.0	-0.2	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	2.68	194.016	616.602	3.933	2.0	2.2	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	2.68	481.948	690.171	8.729	4.4	-11.1	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	2.68	971.368	614.719	19.752	10.0	-0.2	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	2.68	4831.726	583.308	103.541	52.2	4.5	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	2.67	9273.064	582.293	199.064	101.0	1.0	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	2.67	21654.924	570.046	474.850	245.2	-1.9	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	2.67	39339.258	522.799	940.592	502.1	0.4	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999259$

Calibration curve: $-0.000399322 * x^2 + 1.68815 * x + -0.0907595$

Response type: Internal Std (Ref 39), 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 180726M1_2	Standard	0.250	3.09	20.857	661.755	0.394	0.3	14.9	NO	0.999	NO	MM
2	2 180726M1_3	Standard	0.500	3.09	31.443	614.146	0.640	0.4	-13.4	NO	0.999	NO	MM
3	3 180726M1_4	Standard	1.000	3.10	65.686	565.205	1.453	0.9	-8.6	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	3.10	127.531	552.471	2.885	1.8	-11.8	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	3.09	393.392	538.607	9.130	5.5	9.4	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	3.09	753.922	533.961	17.649	10.5	5.3	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	3.09	3654.776	509.214	89.716	53.9	7.8	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:53 Pacific Daylight Time

Compound name: 4:2 FTS

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180726M1_9	Standard	100.000	3.09	6756.511	522.175	161.740	98.1	-1.9	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	3.09	15697.553	505.570	388.115	244.0	-2.4	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	3.09	28880.404	482.290	748.523	503.4	0.7	NO	0.999	NO	bb

Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999688$

Calibration curve: $-0.000108951 * x^2 + 1.54301 * x + 0.0260571$

Response type: Internal Std (Ref 40), 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 180726M1_2	Standard	0.250	3.19	128.623	1783.159	0.361	0.2	-13.3	NO	1.000	NO	bb
2	2 180726M1_3	Standard	0.500	3.19	249.304	1829.702	0.681	0.4	-15.1	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	3.19	586.855	1591.177	1.844	1.2	17.8	NO	1.000	NO	MM
4	4 180726M1_5	Standard	2.000	3.19	1112.817	1696.055	3.281	2.1	5.5	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	3.19	2772.055	1701.805	8.144	5.3	5.3	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	3.19	5388.135	1650.586	16.322	10.6	5.7	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	3.19	26785.785	1674.995	79.958	52.0	4.0	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	3.19	49907.836	1678.328	148.683	97.0	-3.0	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	3.19	117186.852	1551.376	377.687	249.1	-0.3	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	3.19	218165.453	1463.180	745.518	500.9	0.2	NO	1.000	NO	bb

Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999633$

Calibration curve: $-0.00015904 * x^2 + 1.62082 * x + -0.252489$

Response type: Internal Std (Ref 38), 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 180726M1_2	Standard	0.250	3.40	9.036	737.525	0.153	0.3	0.1	NO	1.000	NO	MM
2	2 180726M1_3	Standard	0.500	3.39	35.319	673.043	0.656	0.6	12.1	NO	1.000	NO	MM
3	3 180726M1_4	Standard	1.000	3.39	71.800	619.890	1.448	1.0	4.9	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	3.39	123.913	616.602	2.512	1.7	-14.7	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	3.38	402.019	690.171	7.281	4.7	-7.0	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:53 Pacific Daylight Time

Compound name: PFPeS

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180726M1_7	Standard	10.000	3.38	787.058	614.719	16.004	10.0	0.4	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	3.39	3922.928	583.308	84.066	52.3	4.6	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	3.38	7559.536	582.293	162.279	101.3	1.3	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	3.38	17635.857	570.046	386.720	244.6	-2.2	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	3.38	32362.252	522.799	773.774	502.3	0.5	NO	1.000	NO	bb

Compound name: PFHpA

Coefficient of Determination: R^2 = 0.998770

Calibration curve: $-6.35867e-005 * x^2 + 1.07607 * x + 0.0352161$

Response type: Internal Std (Ref 41), 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 180726M1_2	Standard	0.250	3.82	123.979	5061.750	0.306	0.3	0.7	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	3.82	236.781	5203.233	0.569	0.5	-0.8	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	3.82	466.322	5060.846	1.152	1.0	3.8	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	3.82	786.522	4604.831	2.135	2.0	-2.4	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	3.82	2147.099	5198.888	5.162	4.8	-4.7	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	3.82	4013.219	4727.587	10.611	9.8	-1.7	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	3.82	20979.449	4773.313	54.939	51.2	2.4	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	3.82	40335.500	4420.375	114.061	106.6	6.6	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	3.82	84257.078	4172.862	252.396	237.9	-4.9	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	3.82	168012.469	3985.260	526.981	504.8	1.0	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time
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Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999657$

Calibration curve: $-0.000204762 * x^2 + 1.68628 * x + -0.08366$

Response type: Internal Std (Ref 42), 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 180726M1_2	Standard	0.250	3.97	16.491	607.729	0.339	0.3	0.3	NO	1.000	NO	MM
2	2 180726M1_3	Standard	0.500	3.97	34.023	578.812	0.735	0.5	-2.9	NO	1.000	NO	MM
3	3 180726M1_4	Standard	1.000	3.97	70.245	555.740	1.580	1.0	-1.3	NO	1.000	NO	MM
4	4 180726M1_5	Standard	2.000	3.97	138.400	590.032	2.932	1.8	-10.6	NO	1.000	NO	MM
5	5 180726M1_6	Standard	5.000	3.97	367.877	621.672	7.397	4.4	-11.2	NO	1.000	NO	MM
6	6 180726M1_7	Standard	10.000	3.97	784.948	570.352	17.203	10.3	2.6	NO	1.000	NO	MM
7	7 180726M1_8	Standard	50.000	3.97	3659.498	532.688	85.873	51.3	2.6	NO	1.000	NO	MM
8	8 180726M1_9	Standard	100.000	3.97	7489.363	549.745	170.292	102.3	2.3	NO	1.000	NO	MM
9	9 180726M1_10	Standard	250.000	3.97	16689.742	520.851	400.540	244.9	-2.1	NO	1.000	NO	MM
10	10 180726M1_11	Standard	500.000	3.97	32509.875	511.182	794.968	502.1	0.4	NO	1.000	NO	MM

Compound name: 6:2 FTS

Correlation coefficient: $r = 0.996987$, $r^2 = 0.993984$

Calibration curve: $1.81507 * x + -0.337461$

Response type: Internal Std (Ref 43), 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 180726M1_2	Standard	0.250	4.30	18.506	702.649	0.329	0.4	46.9	YES	0.994	NO	MMX
2	2 180726M1_3	Standard	0.500	4.30	39.370	604.684	0.814	0.6	26.9	NO	0.994	NO	MM
3	3 180726M1_4	Standard	1.000	4.31	56.942	656.445	1.084	0.8	-21.7	NO	0.994	NO	MM
4	4 180726M1_5	Standard	2.000	4.31	90.369	466.015	2.424	1.5	-23.9	NO	0.994	NO	MM
5	5 180726M1_6	Standard	5.000	4.30	374.404	546.190	8.569	4.9	-1.9	NO	0.994	NO	bb
6	6 180726M1_7	Standard	10.000	4.30	724.936	427.555	21.194	11.9	18.6	NO	0.994	NO	bb
7	7 180726M1_8	Standard	50.000	4.30	4065.376	528.249	96.199	53.2	6.4	NO	0.994	NO	bb
8	8 180726M1_9	Standard	100.000	4.30	6518.880	470.491	173.194	95.6	-4.4	NO	0.994	NO	bb
9	9 180726M1_10	Standard	250.000	4.30	16911.801	647.494	326.486	180.1	-28.0	NO	0.994	NO	bbX
10	10 180726M1_11	Standard	500.000	4.30	31670.551	520.480	760.609	419.2	-16.2	NO	0.994	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999646$

Calibration curve: $-0.000265458 * x^2 + 1.06049 * x + 0.0373971$

Response type: Internal Std (Ref 44), 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 180726M1_2	Standard	0.250	4.36	195.097	6961.510	0.350	0.3	18.0	NO	1.000	NO	bb
2	2 180726M1_3	Standard	0.500	4.36	338.709	6596.530	0.642	0.6	14.0	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	4.36	589.656	6884.043	1.071	1.0	-2.5	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	4.36	964.605	6297.862	1.915	1.8	-11.5	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	4.36	2623.661	6747.215	4.861	4.6	-8.9	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	4.36	4762.033	6320.416	9.418	8.9	-11.3	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	4.36	25792.027	6030.216	53.464	51.0	2.1	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	4.36	47180.563	5739.939	102.746	99.3	-0.7	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	4.36	111848.398	5562.967	251.324	253.0	1.2	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	4.36	208647.438	5637.898	462.600	498.3	-0.3	NO	1.000	NO	bb

Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999319$

Calibration curve: $-2.41736e-005 * x^2 + 0.826865 * x + -0.0328328$

Response type: Internal Std (Ref 47), 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 180726M1_2	Standard	0.250	4.46	18.575	1526.973	0.152	0.2	-10.6	NO	0.999	NO	MM
2	2 180726M1_3	Standard	0.500	4.47	44.277	1518.561	0.364	0.5	-3.9	NO	0.999	NO	MM
3	3 180726M1_4	Standard	1.000	4.47	93.617	1621.008	0.722	0.9	-8.7	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	4.47	217.374	1325.900	2.049	2.5	25.9	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	4.47	466.499	1512.486	3.855	4.7	-5.9	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	4.46	938.121	1386.707	8.456	10.3	2.7	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	4.46	4876.800	1413.888	43.115	52.3	4.5	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	4.46	8948.133	1432.899	78.060	94.7	-5.3	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	4.46	21576.596	1295.462	208.194	253.7	1.5	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	4.46	39357.656	1210.183	406.526	499.0	-0.2	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999210$

Calibration curve: $-0.000110241 * x^2 + 1.16977 * x + -0.013812$

Response type: Internal Std (Ref 45), 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 180726M1_2	Standard	0.250	4.81	177.635	7113.186	0.312	0.3	11.5	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	4.81	383.732	6990.730	0.686	0.6	19.7	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	4.81	550.336	6797.306	1.012	0.9	-12.3	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	4.81	1010.607	6465.814	1.954	1.7	-15.9	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	4.80	3443.454	6844.703	6.289	5.4	7.8	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	4.80	5874.171	6768.549	10.848	9.3	-7.1	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	4.80	28829.230	6445.458	55.910	48.0	-4.0	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	4.80	55024.336	6100.258	112.750	97.3	-2.7	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	4.80	132522.688	5594.871	296.081	259.5	3.8	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	4.80	243865.000	5513.252	552.906	495.8	-0.8	NO	0.999	NO	bb

Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999788$

Calibration curve: $-0.000257297 * x^2 + 0.976864 * x + -0.120928$

Response type: Internal Std (Ref 46), 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 180726M1_2	Standard	0.250	4.86	70.117	3097.815	0.283	0.4	65.4	YES	1.000	NO	bbX
2	2 180726M1_3	Standard	0.500	4.86	98.704	3020.594	0.408	0.5	8.4	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	4.86	199.924	2822.250	0.885	1.0	3.1	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	4.86	412.515	2865.443	1.800	2.0	-1.7	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	4.86	1074.707	2954.256	4.547	4.8	-4.3	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	4.86	2049.631	2765.746	9.263	9.6	-3.7	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	4.86	9867.190	2630.861	46.882	48.7	-2.5	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	4.86	19175.760	2544.748	94.193	99.1	-0.9	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	4.86	43971.746	2364.184	232.489	255.3	2.1	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	4.86	75266.859	2229.266	422.038	497.3	-0.5	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.998977$

Calibration curve: $6.38382e-005 * x^2 + 0.873013 * x + -0.0471876$

Response type: Internal Std (Ref 47), 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 180726M1_2	Standard	0.250	4.88	18.424	1526.973	0.151	0.2	-9.3	NO	0.999	NO	MM
2	2 180726M1_3	Standard	0.500	4.88	51.991	1518.561	0.428	0.5	8.8	NO	0.999	NO	MM
3	3 180726M1_4	Standard	1.000	4.89	122.680	1621.008	0.946	1.1	13.8	NO	0.999	NO	MM
4	4 180726M1_5	Standard	2.000	4.88	146.013	1325.900	1.377	1.6	-18.5	NO	0.999	NO	MM
5	5 180726M1_6	Standard	5.000	4.88	477.809	1512.486	3.949	4.6	-8.5	NO	0.999	NO	MM
6	6 180726M1_7	Standard	10.000	4.88	868.730	1386.707	7.831	9.0	-9.8	NO	0.999	NO	MM
7	7 180726M1_8	Standard	50.000	4.88	5203.230	1413.888	46.001	52.5	5.1	NO	0.999	NO	MM
8	8 180726M1_9	Standard	100.000	4.88	9489.773	1432.899	82.785	94.2	-5.8	NO	0.999	NO	MM
9	9 180726M1_10	Standard	250.000	4.88	23745.549	1295.462	229.122	257.6	3.1	NO	0.999	NO	MM
10	10 180726M1_11	Standard	500.000	4.88	43544.840	1210.183	449.775	497.2	-0.6	NO	0.999	NO	MM

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999775$

Calibration curve: $-0.000269016 * x^2 + 1.19292 * x + -0.0122708$

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 180726M1_2	Standard	0.250	5.19	164.804	8152.049	0.253	0.2	-11.1	NO	1.000	NO	MM
2	2 180726M1_3	Standard	0.500	5.19	444.080	7441.056	0.746	0.6	27.1	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	5.19	669.823	7069.746	1.184	1.0	0.3	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	5.18	1309.435	7070.690	2.315	2.0	-2.4	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	5.18	3268.254	7631.601	5.353	4.5	-10.0	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	5.18	6673.259	7321.225	11.394	9.6	-4.2	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	5.18	31072.664	6715.664	57.836	49.0	-1.9	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	5.18	59134.254	6202.494	119.174	102.3	2.3	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	5.18	149994.594	6665.438	281.292	249.9	-0.0	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	5.18	272068.031	6430.479	528.864	499.6	-0.1	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998287$

Calibration curve: $-0.00142243 * x^2 + 2.39255 * x + -0.97163$

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 180726M1_2	Standard	0.250	5.16	22.489	452.834	0.621	0.7	166.3	YES	0.998	NO	MMX
2	2 180726M1_3	Standard	0.500	5.15	64.853	512.035	1.583	1.1	113.7	YES	0.998	NO	bbX
3	3 180726M1_4	Standard	1.000	5.16	104.517	700.742	1.864	1.2	18.6	NO	0.998	NO	bb
4	4 180726M1_5	Standard	2.000	5.16	154.960	651.871	2.971	1.6	-17.5	NO	0.998	NO	bb
5	5 180726M1_6	Standard	5.000	5.15	535.206	648.894	10.310	4.7	-5.4	NO	0.998	NO	bb
6	6 180726M1_7	Standard	10.000	5.15	1092.128	621.716	21.958	9.6	-3.6	NO	0.998	NO	bb
7	7 180726M1_8	Standard	50.000	5.16	4958.502	491.780	126.035	54.9	9.7	NO	0.998	NO	bb
8	8 180726M1_9	Standard	100.000	5.15	9067.046	497.037	228.027	101.9	1.9	NO	0.998	NO	bb
9	9 180726M1_10	Standard	250.000	5.16	22696.527	583.805	485.961	236.9	-5.2	NO	0.998	NO	bb
10	10 180726M1_11	Standard	500.000	5.16	39961.641	588.373	848.986	509.7	1.9	NO	0.998	NO	bb

Compound name: PFNS

Coefficient of Determination: $R^2 = 0.997234$

Calibration curve: $-0.000198438 * x^2 + 0.782475 * x + -0.28874$

Response type: Internal Std (Ref 47), 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 180726M1_2	Standard	0.250	5.25	23.325	1526.973	0.191	0.6	145.3	YES	0.997	NO	MMX
2	2 180726M1_3	Standard	0.500	5.24	57.699	1518.561	0.475	1.0	95.2	YES	0.997	NO	MMX
3	3 180726M1_4	Standard	1.000	5.24	49.508	1621.008	0.382	0.9	-14.3	NO	0.997	NO	MM
4	4 180726M1_5	Standard	2.000	5.24	159.842	1325.900	1.507	2.3	14.8	NO	0.997	NO	bb
5	5 180726M1_6	Standard	5.000	5.24	475.952	1512.486	3.934	5.4	8.1	NO	0.997	NO	bb
6	6 180726M1_7	Standard	10.000	5.24	832.546	1386.707	7.505	10.0	-0.1	NO	0.997	NO	bb
7	7 180726M1_8	Standard	50.000	5.24	4059.812	1413.888	35.892	46.8	-6.4	NO	0.997	NO	bb
8	8 180726M1_9	Standard	100.000	5.24	8039.147	1432.899	70.130	92.1	-7.9	NO	0.997	NO	bb
9	9 180726M1_10	Standard	250.000	5.24	20296.602	1295.462	195.843	269.0	7.6	NO	0.997	NO	bb
10	10 180726M1_11	Standard	500.000	5.24	32557.904	1210.183	336.291	491.4	-1.7	NO	0.997	NO	bb

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Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.990543$

Calibration curve: $-0.00437624 * x^2 + 1.33194 * x + -0.242307$

Response type: Internal Std (Ref 50), 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 180726M1_2	Standard	0.250	5.34	9.462	2693.870	0.044	0.2	-14.0	NO	0.991	NO	MM
2	2 180726M1_3	Standard	0.500	5.33	61.757	2329.858	0.331	0.4	-13.7	NO	0.991	NO	bb
3	3 180726M1_4	Standard	1.000	5.34	159.211	2054.871	0.968	0.9	-8.8	NO	0.991	NO	MM
4	4 180726M1_5	Standard	2.000	5.33	362.213	2205.582	2.053	1.7	-13.3	NO	0.991	NO	MM
5	5 180726M1_6	Standard	5.000	5.33	776.449	2073.839	4.680	3.7	-25.2	NO	0.991	NO	MM
6	6 180726M1_7	Standard	10.000	5.33	1877.679	1960.313	11.973	9.5	-5.3	NO	0.991	NO	MM
7	7 180726M1_8	Standard	50.000	5.34	10345.932	2123.517	60.901	56.3	12.7	NO	0.991	NO	MM
8	8 180726M1_9	Standard	100.000	5.33	15239.252	2199.583	86.603	94.6	-5.4	NO	0.991	NO	MM
9	9 180726M1_10	Standard	250.000	5.34	40560.797	1648.897	307.484			NO	0.991	YES	MMXI
10	10 180726M1_11	Standard	500.000	5.34	81379.445	2040.431	498.543			NO	0.991	YES	MMXI

Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.991484$

Calibration curve: $0.00150995 * x^2 + 0.855867 * x + -0.152778$

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 180726M1_2	Standard	0.250	5.50	12.678	2548.433	0.062	0.3	0.4	NO	0.991	NO	MM
2	2 180726M1_3	Standard	0.500	5.50	73.539	2479.156	0.371	0.6	22.2	NO	0.991	NO	bb
3	3 180726M1_4	Standard	1.000	5.50	159.390	2477.823	0.804	1.1	11.6	NO	0.991	NO	MM
4	4 180726M1_5	Standard	2.000	5.50	210.516	2511.666	1.048	1.4	-30.0	YES	0.991	NO	MM
5	5 180726M1_6	Standard	5.000	5.50	712.231	2644.301	3.367	4.1	-18.3	NO	0.991	NO	MM
6	6 180726M1_7	Standard	10.000	5.50	1860.153	2364.451	9.834	11.4	14.4	NO	0.991	NO	MM
7	7 180726M1_8	Standard	50.000	5.50	7969.200	2153.487	46.258	49.8	-0.3	NO	0.991	NO	MM
8	8 180726M1_9	Standard	100.000	5.49	15558.094	2111.602	92.099	92.6	-7.4	NO	0.991	NO	MMX
9	9 180726M1_10	Standard	250.000	5.50	35709.555	1880.318	237.390	204.1	-18.4	NO	0.991	NO	MMX
10	10 180726M1_11	Standard	500.000	5.49	64549.391	1939.252	416.071	313.2	-37.4	YES	0.991	NO	MMX

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.998787$

Calibration curve: $-0.000108683 * x^2 + 0.980034 * x + 0.0600836$

Response type: Internal Std (Ref 52), 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 180726M1_2	Standard	0.250	5.52	197.074	10232.020	0.241	0.2	-26.3	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	5.52	499.248	9304.641	0.671	0.6	24.6	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	5.52	785.660	8848.621	1.110	1.1	7.1	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	5.51	1457.097	8654.340	2.105	2.1	4.3	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	5.51	3645.137	9298.079	4.900	4.9	-1.2	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	5.51	6770.372	9116.961	9.283	9.4	-5.8	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	5.51	33814.641	8672.477	48.738	49.9	-0.1	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	5.51	61010.883	8401.754	90.771	93.5	-6.5	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	5.51	157510.016	7903.920	249.101	261.7	4.7	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	5.51	271929.875	7409.514	458.751	495.2	-1.0	NO	0.999	NO	bb

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999801$

Calibration curve: $-9.35719e-007 * x^2 + 0.158 * x + -0.0362172$

Response type: Internal Std (Ref 52), 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 180726M1_2	Standard	0.250	5.55	30.589	10232.020	0.037	0.5	86.3	YES	1.000	NO	MMX
2	2 180726M1_3	Standard	0.500	5.56	37.737	9304.641	0.051	0.6	10.0	NO	1.000	NO	MM
3	3 180726M1_4	Standard	1.000	5.56	78.483	8848.621	0.111	0.9	-6.9	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	5.55	201.059	8654.340	0.290	2.1	3.4	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	5.55	532.486	9298.079	0.716	4.8	-4.8	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	5.55	1082.826	9116.961	1.485	9.6	-3.7	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	5.55	5484.563	8672.477	7.905	50.3	0.6	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	5.55	10883.778	8401.754	16.193	102.8	2.8	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	5.55	24534.547	7903.920	38.801	246.2	-1.5	NO	1.000	NO	bb

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Compound name: PFDS

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180726M1_11	Standard	500.000	5.55	46793.543	7409.514	78.942	501.3	0.3	NO	1.000	NO	bb

Compound name: PFDaA

Coefficient of Determination: $R^2 = 0.999341$

Calibration curve: $-9.67626e-005 * x^2 + 1.14544 * x + 0.00412556$

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 180726M1_2	Standard	0.250	5.80	241.249	10237.509	0.295	0.3	1.4	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	5.80	462.043	9529.378	0.606	0.5	5.1	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	5.80	802.870	9424.473	1.065	0.9	-7.4	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	5.80	1625.785	9187.357	2.212	1.9	-3.6	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	5.80	4573.320	9788.754	5.840	5.1	1.9	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	5.80	8272.809	8850.443	11.684	10.2	2.1	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	5.80	40878.285	8556.316	59.719	52.4	4.7	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	5.80	70567.203	8252.431	106.889	94.1	-5.9	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	5.80	191197.828	8363.127	285.775	255.0	2.0	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	5.79	314996.844	7200.023	546.868	498.4	-0.3	NO	0.999	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.998803$

Calibration curve: $-0.000115732 * x^2 + 1.00619 * x + 0.211663$

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 180726M1_2	Standard	1.250	5.86	93.690	10104.306	1.391	1.2	-6.2	NO	0.999	NO	bb
2	2 180726M1_3	Standard	2.500	5.86	191.651	9811.697	2.930	2.7	8.1	NO	0.999	NO	bb
3	3 180726M1_4	Standard	5.000	5.86	337.703	10133.653	4.999	4.8	-4.8	NO	0.999	NO	bb
4	4 180726M1_5	Standard	10.000	5.86	663.397	9445.699	10.535	10.3	2.7	NO	0.999	NO	bb
5	5 180726M1_6	Standard	25.000	5.86	1801.505	9753.893	27.704	27.4	9.6	NO	0.999	NO	bb
6	6 180726M1_7	Standard	50.000	5.86	3345.427	9401.563	53.376	53.2	6.3	NO	0.999	NO	bb
7	7 180726M1_8	Standard	250.000	5.86	14871.210	9171.840	243.210	248.6	-0.6	NO	0.999	NO	bb

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Compound name: N-MeFOSA

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180726M1_9	Standard	500.000	5.86	28537.197	8593.221	498.134	526.8	5.4	NO	0.999	NO	bb
9	9 180726M1_10	Standard	1250.000	5.86	62859.758	9152.374	1030.221	1185.3	-5.2	NO	0.999	NO	bb
10	10 180726M1_11	Standard	2500.000	5.86	107764.648	8925.360	1811.098	2544.4	1.8	NO	0.999	NO	bb

Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.999933$

Calibration curve: $-2.67046e-005 * x^2 + 1.16422 * x + 0.00144101$

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 180726M1_2	Standard	0.250	6.05	222.983	10237.509	0.272	0.2	-7.0	NO	1.000	NO	bb
2	2 180726M1_3	Standard	0.500	6.05	462.651	9529.378	0.607	0.5	4.0	NO	1.000	NO	bb
3	3 180726M1_4	Standard	1.000	6.05	895.464	9424.473	1.188	1.0	1.9	NO	1.000	NO	bb
4	4 180726M1_5	Standard	2.000	6.05	1783.737	9187.357	2.427	2.1	4.2	NO	1.000	NO	bb
5	5 180726M1_6	Standard	5.000	6.04	4406.451	9788.754	5.627	4.8	-3.3	NO	1.000	NO	bb
6	6 180726M1_7	Standard	10.000	6.04	8409.511	8850.443	11.877	10.2	2.0	NO	1.000	NO	bb
7	7 180726M1_8	Standard	50.000	6.04	38893.285	8556.316	56.820	48.9	-2.3	NO	1.000	NO	bb
8	8 180726M1_9	Standard	100.000	6.04	76556.664	8252.431	115.961	99.8	-0.2	NO	1.000	NO	bb
9	9 180726M1_10	Standard	250.000	6.04	195205.313	8363.127	291.765	252.1	0.8	NO	1.000	NO	bb
10	10 180726M1_11	Standard	500.000	6.04	330862.875	7200.023	574.413	499.1	-0.2	NO	1.000	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998538$

Calibration curve: $-0.000105321 * x^2 + 0.795514 * x + 0.014096$

Response type: Internal Std (Ref 55), 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 180726M1_2	Standard	0.250	6.26	212.357	10488.382	0.253	0.3	20.2	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	6.26	373.126	10518.327	0.443	0.5	7.9	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	6.26	557.314	11141.286	0.625	0.8	-23.2	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	6.26	1273.077	10471.028	1.520	1.9	-5.3	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	6.25	3386.545	10634.011	3.981	5.0	-0.2	NO	0.999	NO	bb

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Compound name: PFTeDA

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180726M1_7	Standard	10.000	6.25	6808.875	10745.047	7.921	10.0	-0.5	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	6.26	31647.145	9380.318	42.172	53.4	6.7	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	6.26	54527.660	9462.363	72.032	91.6	-8.4	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	6.26	139388.875	8782.091	198.399	258.2	3.3	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	6.26	252890.953	8556.820	369.429	497.1	-0.6	NO	0.999	NO	bb

Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.998762$

Calibration curve: $-5.1938e-005 * x^2 + 0.913578 * x + 0.0239865$

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 180726M1_2	Standard	1.250	6.26	90.157	11729.012	1.153	1.2	-1.1	NO	0.999	NO	bb
2	2 180726M1_3	Standard	2.500	6.26	161.801	12173.074	1.994	2.2	-13.7	NO	0.999	NO	bb
3	3 180726M1_4	Standard	5.000	6.26	404.291	11927.946	5.084	5.5	10.8	NO	0.999	NO	bb
4	4 180726M1_5	Standard	10.000	6.26	666.743	11393.698	8.778	9.6	-4.1	NO	0.999	NO	bb
5	5 180726M1_6	Standard	25.000	6.26	1747.152	11673.748	22.450	24.6	-1.7	NO	0.999	NO	bb
6	6 180726M1_7	Standard	50.000	6.26	3471.925	10833.592	48.072	52.8	5.5	NO	0.999	NO	bb
7	7 180726M1_8	Standard	250.000	6.26	16212.926	10460.345	232.491	258.2	3.3	NO	0.999	NO	bb
8	8 180726M1_9	Standard	500.000	6.26	29922.307	9632.249	465.971	525.7	5.1	NO	0.999	NO	bb
9	9 180726M1_10	Standard	1250.000	6.26	64068.902	9529.163	1008.518	1183.5	-5.3	NO	0.999	NO	MM
10	10 180726M1_11	Standard	2500.000	6.26	110132.156	8342.021	1980.314	2532.1	1.3	NO	0.999	NO	bb

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Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999058$

Calibration curve: $-0.00016208 * x^2 + 0.584883 * x + 0.0843887$

Response type: Internal Std (Ref 57), 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 180726M1_2	Standard	0.250	6.58	175.482	3859.649	0.227	0.2	-2.2	NO	0.999	NO	bb
2	2 180726M1_3	Standard	0.500	6.57	234.261	3511.427	0.334	0.4	-14.8	NO	0.999	NO	bb
3	3 180726M1_4	Standard	1.000	6.58	398.885	3716.420	0.537	0.8	-22.7	NO	0.999	NO	bb
4	4 180726M1_5	Standard	2.000	6.57	936.187	2923.223	1.601	2.6	29.8	NO	0.999	NO	bb
5	5 180726M1_6	Standard	5.000	6.57	2256.870	3539.473	3.188	5.3	6.3	NO	0.999	NO	bb
6	6 180726M1_7	Standard	10.000	6.57	4201.981	3562.600	5.897	10.0	-0.3	NO	0.999	NO	bb
7	7 180726M1_8	Standard	50.000	6.58	19276.033	3172.564	30.379	52.6	5.1	NO	0.999	NO	bb
8	8 180726M1_9	Standard	100.000	6.57	28606.508	2471.757	57.867	101.7	1.7	NO	0.999	NO	bb
9	9 180726M1_10	Standard	250.000	6.58	92772.484	3529.338	131.430	240.6	-3.8	NO	0.999	NO	bb
10	10 180726M1_11	Standard	500.000	6.58	187034.219	3681.095	254.047	504.8	1.0	NO	0.999	NO	bb

Compound name: PFODA

Coefficient of Determination: $R^2 = 0.993685$

Calibration curve: $-0.000741915 * x^2 + 1.10065 * x + -0.0556132$

Response type: Internal Std (Ref 57), 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 180726M1_2	Standard	0.250	6.80	195.090	3859.649	0.253	0.3	12.1	NO	0.994	NO	bb
2	2 180726M1_3	Standard	0.500	6.80	351.393	3511.427	0.500	0.5	1.1	NO	0.994	NO	bb
3	3 180726M1_4	Standard	1.000	6.80	691.275	3716.420	0.930	0.9	-10.4	NO	0.994	NO	bb
4	4 180726M1_5	Standard	2.000	6.80	1291.516	2923.223	2.209	2.1	3.0	NO	0.994	NO	bb
5	5 180726M1_6	Standard	5.000	6.80	3418.663	3539.473	4.829	4.5	-11.0	NO	0.994	NO	bb
6	6 180726M1_7	Standard	10.000	6.80	6485.827	3562.600	9.103	8.4	-16.3	NO	0.994	NO	bb
7	7 180726M1_8	Standard	50.000	6.80	30181.348	3172.564	47.566	44.6	-10.8	NO	0.994	NO	bb
8	8 180726M1_9	Standard	100.000	6.80	58675.656	2471.757	118.692	117.1	17.1	NO	0.994	NO	bb
9	9 180726M1_10	Standard	250.000	6.80	153636.453	3529.338	217.656	235.0	-6.0	NO	0.994	NO	bb
10	10 180726M1_11	Standard	500.000	6.80	270712.531	3681.095	367.707	508.3	1.7	NO	0.994	NO	bb

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Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999913$

Calibration curve: $-2.69005e-005 * x^2 + 0.977055 * x + -0.301675$

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 180726M1_2	Standard	1.250	6.41	53.628	9329.490	0.862	1.2	-4.7	NO	1.000	NO	MM
2	2 180726M1_3	Standard	2.500	6.41	142.720	8499.942	2.519	2.9	15.5	NO	1.000	NO	bb
3	3 180726M1_4	Standard	5.000	6.41	288.746	9393.396	4.611	5.0	0.6	NO	1.000	NO	bb
4	4 180726M1_5	Standard	10.000	6.41	561.961	9065.618	9.298	9.8	-1.7	NO	1.000	NO	MM
5	5 180726M1_6	Standard	25.000	6.41	1382.731	9346.817	22.190	23.0	-7.9	NO	1.000	NO	bb
6	6 180726M1_7	Standard	50.000	6.41	2598.672	8330.188	46.794	48.3	-3.5	NO	1.000	NO	bb
7	7 180726M1_8	Standard	250.000	6.40	13890.884	8451.197	246.549	254.4	1.8	NO	1.000	NO	bb
8	8 180726M1_9	Standard	500.000	6.41	26624.998	8292.363	481.618	500.1	0.0	NO	1.000	NO	bb
9	9 180726M1_10	Standard	1250.000	6.41	65423.957	8331.694	1177.863	1248.8	-0.1	NO	1.000	NO	bb
10	10 180726M1_11	Standard	2500.000	6.40	122047.727	8049.326	2274.372	2500.2	0.0	NO	1.000	NO	bb

Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999923$

Calibration curve: $-4.74203e-005 * x^2 + 1.10787 * x + -0.0757997$

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 180726M1_2	Standard	1.250	6.55	88.592	9345.267	1.422	1.4	8.2	NO	1.000	NO	bb
2	2 180726M1_3	Standard	2.500	6.55	183.553	9654.313	2.852	2.6	5.7	NO	1.000	NO	bb
3	3 180726M1_4	Standard	5.000	6.56	322.013	9799.977	4.929	4.5	-9.6	NO	1.000	NO	bb
4	4 180726M1_5	Standard	10.000	6.56	673.214	9276.781	10.885	9.9	-1.0	NO	1.000	NO	bb
5	5 180726M1_6	Standard	25.000	6.56	1678.766	9383.966	26.835	24.3	-2.7	NO	1.000	NO	bb
6	6 180726M1_7	Standard	50.000	6.55	3185.785	8865.342	53.903	48.8	-2.4	NO	1.000	NO	bb
7	7 180726M1_8	Standard	250.000	6.55	16356.752	8811.446	278.446	254.2	1.7	NO	1.000	NO	bb
8	8 180726M1_9	Standard	500.000	6.55	30444.129	8352.452	546.740	504.5	0.9	NO	1.000	NO	bb
9	9 180726M1_10	Standard	1250.000	6.55	79247.844	9145.784	1299.744	1239.0	-0.9	NO	1.000	NO	bb
10	10 180726M1_11	Standard	2500.000	6.55	139637.703	8454.965	2477.320	2504.7	0.2	NO	1.000	NO	bb

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Compound name: 13C3-PFBA

Response Factor: 0.911157

RRF SD: 0.00830576, Relative SD: 0.911562

Response type: Internal Std (Ref 60), 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 180726M1_2	Standard	12.500	1.39	4418.424	4837.249	11.418	12.5	0.2	NO		NO	bb
2	2 180726M1_3	Standard	12.500	1.39	4323.896	4678.324	11.553	12.7	1.4	NO		NO	bb
3	3 180726M1_4	Standard	12.500	1.39	4377.152	4836.048	11.314	12.4	-0.7	NO		NO	bb
4	4 180726M1_5	Standard	12.500	1.39	4118.466	4520.231	11.389	12.5	-0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	1.39	4188.700	4628.989	11.311	12.4	-0.7	NO		NO	bb
6	6 180726M1_7	Standard	12.500	1.39	4077.299	4414.573	11.545	12.7	1.4	NO		NO	bb
7	7 180726M1_8	Standard	12.500	1.39	4009.371	4406.979	11.372	12.5	-0.2	NO		NO	bb
8	8 180726M1_9	Standard	12.500	1.39	3948.712	4366.463	11.304	12.4	-0.7	NO		NO	bb
9	9 180726M1_10	Standard	12.500	1.39	3922.415	4282.616	11.449	12.6	0.5	NO		NO	bb
10	10 180726M1_11	Standard	12.500	1.39	3654.035	4063.633	11.240	12.3	-1.3	NO		NO	bb

Compound name: 13C3-PFPeA

Response Factor: 0.981438

RRF SD: 0.0327563, Relative SD: 3.33758

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	12.500	2.39	6008.668	5765.595	13.027	13.3	6.2	NO		NO	bb
2	2 180726M1_3	Standard	12.500	2.39	5830.568	5845.950	12.467	12.7	1.6	NO		NO	bb
3	3 180726M1_4	Standard	12.500	2.39	5756.473	5931.258	12.132	12.4	-1.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	2.39	5333.680	5697.911	11.701	11.9	-4.6	NO		NO	bb
5	5 180726M1_6	Standard	12.500	2.39	5614.025	5477.762	12.811	13.1	4.4	NO		NO	bb
6	6 180726M1_7	Standard	12.500	2.39	5423.140	5612.323	12.079	12.3	-1.5	NO		NO	bb
7	7 180726M1_8	Standard	12.500	2.39	5237.673	5515.000	11.871	12.1	-3.2	NO		NO	bb
8	8 180726M1_9	Standard	12.500	2.38	5167.209	5321.134	12.138	12.4	-1.1	NO		NO	bb
9	9 180726M1_10	Standard	12.500	2.38	4754.991	4921.550	12.077	12.3	-1.6	NO		NO	bb
10	10 180726M1_11	Standard	12.500	2.38	4541.432	4586.668	12.377	12.6	0.9	NO		NO	bb

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Compound name: 13C3-PFBS

Response Factor: 0.113631

RRF SD: 0.00797886, Relative SD: 7.02175

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	12.500	2.68	737.525	5765.595	1.599	14.1	12.6	NO		NO	bb
2	2 180726M1_3	Standard	12.500	2.68	673.043	5845.950	1.439	12.7	1.3	NO		NO	bb
3	3 180726M1_4	Standard	12.500	2.68	619.890	5931.258	1.306	11.5	-8.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	2.67	616.602	5697.911	1.353	11.9	-4.8	NO		NO	bb
5	5 180726M1_6	Standard	12.500	2.68	690.171	5477.762	1.575	13.9	10.9	NO		NO	bb
6	6 180726M1_7	Standard	12.500	2.67	614.719	5612.323	1.369	12.0	-3.6	NO		NO	bb
7	7 180726M1_8	Standard	12.500	2.68	583.308	5515.000	1.322	11.6	-6.9	NO		NO	bb
8	8 180726M1_9	Standard	12.500	2.67	582.293	5321.134	1.368	12.0	-3.7	NO		NO	bb
9	9 180726M1_10	Standard	12.500	2.67	570.046	4921.550	1.448	12.7	1.9	NO		NO	bb
10	10 180726M1_11	Standard	12.500	2.67	522.799	4586.668	1.425	12.5	0.3	NO		NO	bb

Compound name: 13C2-4:2 FTS

Response Factor: 0.100389

RRF SD: 0.00663686, Relative SD: 6.61113

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	12.500	3.09	661.755	5765.595	1.435	14.3	14.3	NO		NO	bb
2	2 180726M1_3	Standard	12.500	3.09	614.146	5845.950	1.313	13.1	4.6	NO		NO	bb
3	3 180726M1_4	Standard	12.500	3.09	565.205	5931.258	1.191	11.9	-5.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	3.09	552.471	5697.911	1.212	12.1	-3.4	NO		NO	bb
5	5 180726M1_6	Standard	12.500	3.09	538.607	5477.762	1.229	12.2	-2.1	NO		NO	bb
6	6 180726M1_7	Standard	12.500	3.09	533.961	5612.323	1.189	11.8	-5.2	NO		NO	bb
7	7 180726M1_8	Standard	12.500	3.09	509.214	5515.000	1.154	11.5	-8.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	3.09	522.175	5321.134	1.227	12.2	-2.2	NO		NO	bb
9	9 180726M1_10	Standard	12.500	3.09	505.570	4921.550	1.284	12.8	2.3	NO		NO	bb
10	10 180726M1_11	Standard	12.500	3.09	482.290	4586.668	1.314	13.1	4.7	NO		NO	bb

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Compound name: 13C2-PFHxA

Response Factor: 0.761581

RRF SD: 0.0376876, Relative SD: 4.94861

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	5.000	3.19	1783.159	5765.595	3.866	5.1	1.5	NO		NO	bb
2	2 180726M1_3	Standard	5.000	3.19	1829.702	5845.950	3.912	5.1	2.7	NO		NO	bb
3	3 180726M1_4	Standard	5.000	3.19	1591.177	5931.258	3.353	4.4	-11.9	NO		NO	bb
4	4 180726M1_5	Standard	5.000	3.19	1696.055	5697.911	3.721	4.9	-2.3	NO		NO	bb
5	5 180726M1_6	Standard	5.000	3.19	1701.805	5477.762	3.883	5.1	2.0	NO		NO	bb
6	6 180726M1_7	Standard	5.000	3.19	1650.586	5612.323	3.676	4.8	-3.5	NO		NO	bb
7	7 180726M1_8	Standard	5.000	3.19	1674.995	5515.000	3.796	5.0	-0.3	NO		NO	bb
8	8 180726M1_9	Standard	5.000	3.19	1678.328	5321.134	3.943	5.2	3.5	NO		NO	bb
9	9 180726M1_10	Standard	5.000	3.19	1551.376	4921.550	3.940	5.2	3.5	NO		NO	bb
10	10 180726M1_11	Standard	5.000	3.18	1463.180	4586.668	3.988	5.2	4.7	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.863383

RRF SD: 0.0383041, Relative SD: 4.43651

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	12.500	3.82	5061.750	5765.595	10.974	12.7	1.7	NO		NO	bb
2	2 180726M1_3	Standard	12.500	3.82	5203.233	5845.950	11.126	12.9	3.1	NO		NO	bb
3	3 180726M1_4	Standard	12.500	3.82	5060.846	5931.258	10.666	12.4	-1.2	NO		NO	bb
4	4 180726M1_5	Standard	12.500	3.82	4604.831	5697.911	10.102	11.7	-6.4	NO		NO	bb
5	5 180726M1_6	Standard	12.500	3.82	5198.888	5477.762	11.864	13.7	9.9	NO		NO	bb
6	6 180726M1_7	Standard	12.500	3.82	4727.587	5612.323	10.529	12.2	-2.4	NO		NO	bb
7	7 180726M1_8	Standard	12.500	3.82	4773.313	5515.000	10.819	12.5	0.2	NO		NO	bb
8	8 180726M1_9	Standard	12.500	3.82	4420.375	5321.134	10.384	12.0	-3.8	NO		NO	bb
9	9 180726M1_10	Standard	12.500	3.82	4172.862	4921.550	10.598	12.3	-1.8	NO		NO	bb
10	10 180726M1_11	Standard	12.500	3.82	3985.260	4586.668	10.861	12.6	0.6	NO		NO	bb

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Compound name: 1802-PFHxS

Response Factor: 0.49041

RRF SD: 0.0295899, Relative SD: 6.0337

Response type: Internal Std (Ref 62), 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 180726M1_2	Standard	12.500	3.97	607.729	1271.982	5.972	12.2	-2.6	NO		NO	bb
2	2 180726M1_3	Standard	12.500	3.97	578.812	1273.443	5.682	11.6	-7.3	NO		NO	bb
3	3 180726M1_4	Standard	12.500	3.97	555.740	1251.512	5.551	11.3	-9.5	NO		NO	bb
4	4 180726M1_5	Standard	12.500	3.97	590.032	1213.916	6.076	12.4	-0.9	NO		NO	bb
5	5 180726M1_6	Standard	12.500	3.97	621.672	1187.850	6.542	13.3	6.7	NO		NO	bb
6	6 180726M1_7	Standard	12.500	3.97	570.352	1194.086	5.971	12.2	-2.6	NO		NO	bb
7	7 180726M1_8	Standard	12.500	3.97	532.688	1091.793	6.099	12.4	-0.5	NO		NO	bb
8	8 180726M1_9	Standard	12.500	3.97	549.745	1045.908	6.570	13.4	7.2	NO		NO	bb
9	9 180726M1_10	Standard	12.500	3.97	520.851	1052.430	6.186	12.6	0.9	NO		NO	bb
10	10 180726M1_11	Standard	12.500	3.97	511.182	960.415	6.653	13.6	8.5	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.090309

RRF SD: 0.0141878, Relative SD: 15.7103

Response type: Internal Std (Ref 63), 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 180726M1_2	Standard	12.500	4.31	702.649	6837.884	1.284	14.2	13.8	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.30	604.684	6527.942	1.158	12.8	2.6	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.31	656.445	6605.436	1.242	13.8	10.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.30	466.015	6599.577	0.883	9.8	-21.8	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.30	546.190	6690.971	1.020	11.3	-9.6	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.30	427.555	6010.047	0.889	9.8	-21.2	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.30	528.249	5740.989	1.150	12.7	1.9	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.30	470.491	5823.616	1.010	11.2	-10.5	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.30	647.494	5646.405	1.433	15.9	27.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.30	520.480	5340.404	1.218	13.5	7.9	NO		NO	bb

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Compound name: 13C2-PFOA

Response Factor: 1.0162

RRF SD: 0.0341312, Relative SD: 3.35869

Response type: Internal Std (Ref 63), 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 180726M1_2	Standard	12.500	4.36	6961.510	6837.884	12.726	12.5	0.2	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.36	6596.530	6527.942	12.631	12.4	-0.6	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.36	6884.043	6605.436	13.027	12.8	2.6	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.36	6297.862	6599.577	11.929	11.7	-6.1	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.36	6747.215	6690.971	12.605	12.4	-0.8	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.36	6320.416	6010.047	13.146	12.9	3.5	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.36	6030.216	5740.989	13.130	12.9	3.4	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.36	5739.939	5823.616	12.320	12.1	-3.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.36	5562.967	5646.405	12.315	12.1	-3.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.36	5637.898	5340.404	13.196	13.0	3.9	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.974922

RRF SD: 0.0318873, Relative SD: 3.27075

Response type: Internal Std (Ref 64), 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 180726M1_2	Standard	12.500	4.81	7113.186	7627.858	11.657	12.0	-4.3	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.81	6990.730	6849.911	12.757	13.1	4.7	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.81	6797.306	7049.375	12.053	12.4	-1.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.81	6465.814	6957.148	11.617	11.9	-4.7	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.80	6844.703	6960.804	12.292	12.6	0.9	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.80	6768.549	6806.129	12.431	12.8	2.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.80	6445.458	6337.968	12.712	13.0	4.3	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.80	6100.258	6150.687	12.398	12.7	1.7	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.80	5594.871	5832.026	11.992	12.3	-1.6	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.80	5513.252	5763.245	11.958	12.3	-1.9	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 0.288504

RRF SD: 0.0100164, Relative SD: 3.47186

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	12.500	4.86	3097.815	10297.589	3.760	13.0	4.3	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.86	3020.594	10452.330	3.612	12.5	0.2	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.86	2822.250	9996.195	3.529	12.2	-2.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.86	2865.443	9797.536	3.656	12.7	1.4	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.86	2954.256	9993.386	3.695	12.8	2.5	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.86	2765.746	9667.565	3.576	12.4	-0.8	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.86	2630.861	9237.193	3.560	12.3	-1.3	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.86	2544.748	8368.676	3.801	13.2	5.4	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.86	2364.184	8515.526	3.470	12.0	-3.8	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.86	2229.266	8190.053	3.402	11.8	-5.7	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 1.04821

RRF SD: 0.0916524, Relative SD: 8.74368

Response type: Internal Std (Ref 65), 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 180726M1_2	Standard	12.500	4.88	1526.973	1300.257	14.680	14.0	12.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.88	1518.561	1441.121	13.172	12.6	0.5	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.88	1621.008	1498.786	13.519	12.9	3.2	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.88	1325.900	1478.646	11.209	10.7	-14.5	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.88	1512.486	1442.572	13.106	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.88	1386.707	1397.065	12.407	11.8	-5.3	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.88	1413.888	1348.304	13.108	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.88	1432.899	1186.313	15.098	14.4	15.2	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.88	1295.462	1305.270	12.406	11.8	-5.3	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.88	1210.183	1227.686	12.322	11.8	-6.0	NO		NO	bb

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Compound name: 13C2-PFDA

Response Factor: 0.984702

RRF SD: 0.0412173, Relative SD: 4.18577

Response type: Internal Std (Ref 66), 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 180726M1_2	Standard	12.500	5.19	8152.049	7621.206	13.371	13.6	8.6	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.18	7441.056	7702.999	12.075	12.3	-1.9	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.19	7069.746	7581.202	11.657	11.8	-5.3	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.18	7070.690	7384.404	11.969	12.2	-2.8	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.18	7631.601	7582.408	12.581	12.8	2.2	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.18	7321.225	7530.956	12.152	12.3	-1.3	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.18	6715.664	6748.921	12.438	12.6	1.1	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.18	6202.494	6464.961	11.993	12.2	-2.6	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.18	6665.438	6962.630	11.966	12.2	-2.8	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.18	6430.479	6237.815	12.886	13.1	4.7	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.10574

RRF SD: 0.0169508, Relative SD: 16.0307

Response type: Internal Std (Ref 61), 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 180726M1_2	Standard	12.500	5.16	452.834	5765.595	0.982	9.3	-25.7	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.16	512.035	5845.950	1.095	10.4	-17.2	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.16	700.742	5931.258	1.477	14.0	11.7	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.16	651.871	5697.911	1.430	13.5	8.2	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.16	648.894	5477.762	1.481	14.0	12.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.16	621.716	5612.323	1.385	13.1	4.8	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.16	491.780	5515.000	1.115	10.5	-15.7	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.16	497.037	5321.134	1.168	11.0	-11.7	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.16	583.805	4921.550	1.483	14.0	12.2	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.15	588.373	4586.668	1.603	15.2	21.3	NO		NO	bb

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Compound name: d3-N-MeFOSAA

Response Factor: 0.226097

RRF SD: 0.0247904, Relative SD: 10.9645

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	12.500	5.34	2693.870	10297.589	3.270	14.5	15.7	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.33	2329.858	10452.330	2.786	12.3	-1.4	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.34	2054.871	9996.195	2.570	11.4	-9.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.34	2205.582	9797.536	2.814	12.4	-0.4	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.34	2073.839	9993.386	2.594	11.5	-8.2	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.33	1960.313	9667.565	2.535	11.2	-10.3	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.33	2123.517	9237.193	2.874	12.7	1.7	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.33	2199.583	8368.676	3.285	14.5	16.2	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.33	1648.897	8515.526	2.420	10.7	-14.4	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.33	2040.431	8190.053	3.114	13.8	10.2	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.244113

RRF SD: 0.0125974, Relative SD: 5.16047

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	12.500	5.49	2548.433	10297.589	3.093	12.7	1.4	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.49	2479.156	10452.330	2.965	12.1	-2.8	NO		NO	MM
3	3 180726M1_4	Standard	12.500	5.49	2477.823	9996.195	3.098	12.7	1.5	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.49	2511.666	9797.536	3.204	13.1	5.0	NO		NO	MM
5	5 180726M1_6	Standard	12.500	5.49	2644.301	9993.386	3.308	13.5	8.4	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.49	2364.451	9667.565	3.057	12.5	0.2	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.49	2153.487	9237.193	2.914	11.9	-4.5	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.49	2111.602	8368.676	3.154	12.9	3.4	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.49	1880.318	8515.526	2.760	11.3	-9.5	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.48	1939.252	8190.053	2.960	12.1	-3.0	NO		NO	bb

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Compound name: 13C2-PFUDa

Response Factor: 0.930151

RRF SD: 0.0424015, Relative SD: 4.55856

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	12.500	5.51	10232.020	10297.589	12.420	13.4	6.8	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.51	9304.641	10452.330	11.127	12.0	-4.3	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.51	8848.621	9996.195	11.065	11.9	-4.8	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.51	8654.340	9797.536	11.041	11.9	-5.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.51	9298.079	9993.386	11.630	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.51	9116.961	9667.565	11.788	12.7	1.4	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.51	8672.477	9237.193	11.736	12.6	0.9	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.51	8401.754	8368.676	12.549	13.5	7.9	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.51	7903.920	8515.526	11.602	12.5	-0.2	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.51	7409.514	8190.053	11.309	12.2	-2.7	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 1.24336

RRF SD: 0.0561306, Relative SD: 4.51444

Response type: Internal Std (Ref 66), 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 180726M1_2	Standard	12.500	5.80	10237.509	7621.206	16.791	13.5	8.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.80	9529.378	7702.999	15.464	12.4	-0.5	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.80	9424.473	7581.202	15.539	12.5	-0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.80	9187.357	7384.404	15.552	12.5	0.1	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.80	9788.754	7582.408	16.137	13.0	3.8	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.80	8850.443	7530.956	14.690	11.8	-5.5	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.79	8556.316	6748.921	15.848	12.7	2.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.80	8252.431	6464.961	15.956	12.8	2.7	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.80	8363.127	6962.630	15.014	12.1	-3.4	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.79	7200.023	6237.815	14.428	11.6	-7.2	NO		NO	bb

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Compound name: d3-N-MeFOSA

Response Factor: 0.0835885

RRF SD: 0.00404915, Relative SD: 4.84415

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	150.000	5.89	10104.306	10297.589	12.265	146.7	-2.2	NO		NO	bb
2	2 180726M1_3	Standard	150.000	5.89	9811.697	10452.330	11.734	140.4	-6.4	NO		NO	bb
3	3 180726M1_4	Standard	150.000	5.89	10133.653	9996.195	12.672	151.6	1.1	NO		NO	bb
4	4 180726M1_5	Standard	150.000	5.89	9445.699	9797.536	12.051	144.2	-3.9	NO		NO	bb
5	5 180726M1_6	Standard	150.000	5.89	9753.893	9993.386	12.200	146.0	-2.7	NO		NO	bb
6	6 180726M1_7	Standard	150.000	5.88	9401.563	9667.565	12.156	145.4	-3.0	NO		NO	bb
7	7 180726M1_8	Standard	150.000	5.88	9171.840	9237.193	12.412	148.5	-1.0	NO		NO	bb
8	8 180726M1_9	Standard	150.000	5.88	8593.221	8368.676	12.835	153.6	2.4	NO		NO	bb
9	9 180726M1_10	Standard	150.000	5.89	9152.374	8515.526	13.435	160.7	7.2	NO		NO	MM
10	10 180726M1_11	Standard	150.000	5.88	8925.360	8190.053	13.622	163.0	8.6	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 1.0606

RRF SD: 0.0451515, Relative SD: 4.25718

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	12.500	6.26	10488.382	10297.589	12.732	12.0	-4.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	6.26	10518.327	10452.330	12.579	11.9	-5.1	NO		NO	bb
3	3 180726M1_4	Standard	12.500	6.26	11141.286	9996.195	13.932	13.1	5.1	NO		NO	bb
4	4 180726M1_5	Standard	12.500	6.26	10471.028	9797.536	13.359	12.6	0.8	NO		NO	bb
5	5 180726M1_6	Standard	12.500	6.25	10634.011	9993.386	13.301	12.5	0.3	NO		NO	bb
6	6 180726M1_7	Standard	12.500	6.25	10745.047	9667.565	13.893	13.1	4.8	NO		NO	bb
7	7 180726M1_8	Standard	12.500	6.26	9380.318	9237.193	12.694	12.0	-4.3	NO		NO	bb
8	8 180726M1_9	Standard	12.500	6.25	9462.363	8368.676	14.134	13.3	6.6	NO		NO	bb
9	9 180726M1_10	Standard	12.500	6.26	8782.091	8515.526	12.891	12.2	-2.8	NO		NO	bb
10	10 180726M1_11	Standard	12.500	6.26	8556.820	8190.053	13.060	12.3	-1.5	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.0947462

RRF SD: 0.00396845, Relative SD: 4.1885

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	150.000	6.27	11729.012	10297.589	14.238	150.3	0.2	NO		NO	bb
2	2 180726M1_3	Standard	150.000	6.27	12173.074	10452.330	14.558	153.7	2.4	NO		NO	bb
3	3 180726M1_4	Standard	150.000	6.28	11927.946	9996.195	14.916	157.4	5.0	NO		NO	bb
4	4 180726M1_5	Standard	150.000	6.28	11393.698	9797.536	14.536	153.4	2.3	NO		NO	bb
5	5 180726M1_6	Standard	150.000	6.27	11673.748	9993.386	14.602	154.1	2.7	NO		NO	bb
6	6 180726M1_7	Standard	150.000	6.27	10833.592	9667.565	14.008	147.8	-1.4	NO		NO	bb
7	7 180726M1_8	Standard	150.000	6.27	10460.345	9237.193	14.155	149.4	-0.4	NO		NO	bb
8	8 180726M1_9	Standard	150.000	6.27	9632.249	8368.676	14.387	151.9	1.2	NO		NO	bb
9	9 180726M1_10	Standard	150.000	6.27	9529.163	8515.526	13.988	147.6	-1.6	NO		NO	bb
10	10 180726M1_11	Standard	150.000	6.27	8342.021	8190.053	12.732	134.4	-10.4	NO		NO	MM

Compound name: 13C2-PFHxDA

Response Factor: 0.901582

RRF SD: 0.118612, Relative SD: 13.156

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	5.000	6.58	3859.649	10297.589	4.685	5.2	3.9	NO		NO	bb
2	2 180726M1_3	Standard	5.000	6.57	3511.427	10452.330	4.199	4.7	-6.8	NO		NO	bb
3	3 180726M1_4	Standard	5.000	6.57	3716.420	9996.195	4.647	5.2	3.1	NO		NO	bb
4	4 180726M1_5	Standard	5.000	6.57	2923.223	9797.536	3.730	4.1	-17.3	NO		NO	bb
5	5 180726M1_6	Standard	5.000	6.57	3539.473	9993.386	4.427	4.9	-1.8	NO		NO	bb
6	6 180726M1_7	Standard	5.000	6.57	3562.600	9667.565	4.606	5.1	2.2	NO		NO	bb
7	7 180726M1_8	Standard	5.000	6.58	3172.564	9237.193	4.293	4.8	-4.8	NO		NO	bb
8	8 180726M1_9	Standard	5.000	6.57	2471.757	8368.676	3.692	4.1	-18.1	NO		NO	bb
9	9 180726M1_10	Standard	5.000	6.58	3529.338	8515.526	5.181	5.7	14.9	NO		NO	bb
10	10 180726M1_11	Standard	5.000	6.58	3681.095	8190.053	5.618	6.2	24.6	NO		NO	bb

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Compound name: d7-N-MeFOSE

Response Factor: 0.0770681

RRF SD: 0.00463395, Relative SD: 6.01279

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	150.000	6.39	9329.490	10297.589	11.325	146.9	-2.0	NO		NO	bb
2	2 180726M1_3	Standard	150.000	6.40	8499.942	10452.330	10.165	131.9	-12.1	NO		NO	bb
3	3 180726M1_4	Standard	150.000	6.40	9393.396	9996.195	11.746	152.4	1.6	NO		NO	bb
4	4 180726M1_5	Standard	150.000	6.40	9065.618	9797.536	11.566	150.1	0.1	NO		NO	bb
5	5 180726M1_6	Standard	150.000	6.40	9346.817	9993.386	11.691	151.7	1.1	NO		NO	bb
6	6 180726M1_7	Standard	150.000	6.39	8330.188	9667.565	10.771	139.8	-6.8	NO		NO	bb
7	7 180726M1_8	Standard	150.000	6.39	8451.197	9237.193	11.436	148.4	-1.1	NO		NO	MM
8	8 180726M1_9	Standard	150.000	6.40	8292.363	8368.676	12.386	160.7	7.1	NO		NO	bb
9	9 180726M1_10	Standard	150.000	6.39	8331.694	8515.526	12.230	158.7	5.8	NO		NO	bb
10	10 180726M1_11	Standard	150.000	6.39	8049.326	8190.053	12.285	159.4	6.3	NO		NO	bb

Compound name: d9-N-EtFOSE

Response Factor: 0.0806063

RRF SD: 0.00449108, Relative SD: 5.57163

Response type: Internal Std (Ref 67), 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 180726M1_2	Standard	150.000	6.54	9345.267	10297.589	11.344	140.7	-6.2	NO		NO	bb
2	2 180726M1_3	Standard	150.000	6.54	9654.313	10452.330	11.546	143.2	-4.5	NO		NO	bb
3	3 180726M1_4	Standard	150.000	6.54	9799.977	9996.195	12.255	152.0	1.4	NO		NO	bb
4	4 180726M1_5	Standard	150.000	6.54	9276.781	9797.536	11.836	146.8	-2.1	NO		NO	bb
5	5 180726M1_6	Standard	150.000	6.54	9383.966	9993.386	11.738	145.6	-2.9	NO		NO	bb
6	6 180726M1_7	Standard	150.000	6.54	8865.342	9667.565	11.463	142.2	-5.2	NO		NO	bb
7	7 180726M1_8	Standard	150.000	6.54	8811.446	9237.193	11.924	147.9	-1.4	NO		NO	bb
8	8 180726M1_9	Standard	150.000	6.54	8352.452	8368.676	12.476	154.8	3.2	NO		NO	bb
9	9 180726M1_10	Standard	150.000	6.54	9145.784	8515.526	13.425	166.6	11.0	NO		NO	bb
10	10 180726M1_11	Standard	150.000	6.54	8454.965	8190.053	12.904	160.1	6.7	NO		NO	bb

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Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), 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 180726M1_2	Standard	12.500	1.39	4837.249	4837.249	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	1.40	4678.324	4678.324	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	1.40	4836.048	4836.048	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	1.39	4520.231	4520.231	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	1.39	4628.989	4628.989	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	1.38	4414.573	4414.573	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	1.39	4406.979	4406.979	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	1.38	4366.463	4366.463	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	1.39	4282.616	4282.616	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	1.39	4063.633	4063.633	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 61), 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 180726M1_2	Standard	12.500	3.19	5765.595	5765.595	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	3.19	5845.950	5845.950	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	3.19	5931.258	5931.258	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	3.19	5697.911	5697.911	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	3.19	5477.762	5477.762	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	3.19	5612.323	5612.323	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	3.19	5515.000	5515.000	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	3.18	5321.134	5321.134	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	3.19	4921.550	4921.550	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	3.18	4586.668	4586.668	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), 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 180726M1_2	Standard	12.500	3.97	1271.982	1271.982	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	3.97	1273.443	1273.443	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	3.97	1251.512	1251.512	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	3.97	1213.916	1213.916	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	3.97	1187.850	1187.850	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	3.97	1194.086	1194.086	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	3.97	1091.793	1091.793	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	3.97	1045.908	1045.908	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	3.97	1052.430	1052.430	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	3.97	960.415	960.415	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 63), 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 180726M1_2	Standard	12.500	4.36	6837.884	6837.884	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.36	6527.942	6527.942	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.36	6605.436	6605.436	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.36	6599.577	6599.577	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.36	6690.971	6690.971	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.36	6010.047	6010.047	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.36	5740.989	5740.989	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.36	5823.616	5823.616	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.36	5646.405	5646.405	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.36	5340.404	5340.404	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), 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 180726M1_2	Standard	12.500	4.81	7627.858	7627.858	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.81	6849.911	6849.911	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.81	7049.375	7049.375	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.80	6957.148	6957.148	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.80	6960.804	6960.804	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.80	6806.129	6806.129	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.80	6337.968	6337.968	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.80	6150.687	6150.687	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.80	5832.026	5832.026	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.80	5763.245	5763.245	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 65), 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 180726M1_2	Standard	12.500	4.88	1300.257	1300.257	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	4.88	1441.121	1441.121	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	4.88	1498.786	1498.786	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	4.88	1478.646	1478.646	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	4.88	1442.572	1442.572	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	4.88	1397.065	1397.065	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	4.88	1348.304	1348.304	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	4.88	1186.313	1186.313	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	4.88	1305.270	1305.270	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	4.88	1227.686	1227.686	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

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Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), 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 180726M1_2	Standard	12.500	5.18	7621.206	7621.206	12.500	12.5	0.0	NO		NO	MM
2	2 180726M1_3	Standard	12.500	5.18	7702.999	7702.999	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.19	7581.202	7581.202	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.18	7384.404	7384.404	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.18	7582.408	7582.408	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.18	7530.956	7530.956	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.18	6748.921	6748.921	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.18	6464.961	6464.961	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.18	6962.630	6962.630	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.18	6237.815	6237.815	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 67), 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 180726M1_2	Standard	12.500	5.51	10297.589	10297.589	12.500	12.5	0.0	NO		NO	bb
2	2 180726M1_3	Standard	12.500	5.51	10452.330	10452.330	12.500	12.5	0.0	NO		NO	bb
3	3 180726M1_4	Standard	12.500	5.51	9996.195	9996.195	12.500	12.5	0.0	NO		NO	bb
4	4 180726M1_5	Standard	12.500	5.51	9797.536	9797.536	12.500	12.5	0.0	NO		NO	bb
5	5 180726M1_6	Standard	12.500	5.51	9993.386	9993.386	12.500	12.5	0.0	NO		NO	bb
6	6 180726M1_7	Standard	12.500	5.51	9667.565	9667.565	12.500	12.5	0.0	NO		NO	bb
7	7 180726M1_8	Standard	12.500	5.51	9237.193	9237.193	12.500	12.5	0.0	NO		NO	bb
8	8 180726M1_9	Standard	12.500	5.51	8368.676	8368.676	12.500	12.5	0.0	NO		NO	bb
9	9 180726M1_10	Standard	12.500	5.51	8515.526	8515.526	12.500	12.5	0.0	NO		NO	bb
10	10 180726M1_11	Standard	12.500	5.51	8190.053	8190.053	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:20:27 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9995	NO	
2	2 PFPeA	37	0.9999	NO	
3	3 PFBS	38	0.9997	NO	
4	4 4:2 FTS	39	0.9993	NO	
5	5 PFHxA	40	0.9997	NO	
6	6 PFPeS	38	0.9996	NO	
7	7 PFHpA	41	0.9988	NO	
8	8 L-PFHxS	42	0.9997	NO	
9	10 6:2 FTS	43	0.9940	NO	
10	11 L-PFOA	44	0.9996	NO	
11	13 PFHpS	47	0.9993	NO	
12	14 PFNA	45	0.9992	NO	
13	15 PFOSA	46	0.9998	NO	
14	16 L-PFOS	47	0.9990	NO	
15	18 PFDA	48	0.9998	NO	
16	19 8:2 FTS	49	0.9983	NO	
17	20 PFNS	47	0.9972	NO	
18	21 L-MeFOSAA	50	0.9905	NO	
19	23 L-EtFOSAA	51	0.9915	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:20:33 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	52	0.9988	NO	
2	26 PFDS	52	0.9998	NO	
3	27 PFDoA	53	0.9993	NO	
4	28 N-MeFOSA	54	0.9988	NO	
5	29 PFTTrDA	53	0.9999	NO	
6	30 PFTeDA	55	0.9985	NO	
7	31 N-EtFOSA	56	0.9988	NO	
8	32 PFHxDA	57	0.9991	NO	
9	33 PFODA	57	0.9937	NO	
10	34 N-MeFOSE	58	0.9999	NO	
11	35 N-EtFOSE	59	0.9999	NO	
12	36 13C3-PFBA	60		NO	0.912
13	37 13C3-PFPeA	61		NO	3.338
14	38 13C3-PFBS	61		NO	7.022
15	39 13C2-4:2 FTS	61		NO	6.611
16	40 13C2-PFHxA	61		NO	4.949
17	41 13C4-PFHpA	61		NO	4.437
18	42 18O2-PFHxS	62		NO	6.034
19	43 13C2-6:2 FTS	63		NO	15.710
20	44 13C2-PFOA	63		NO	3.359
21	45 13C5-PFNA	64		NO	3.271
22	46 13C8-PFOSA	67		NO	3.472
23	47 13C8-PFOS	65		NO	8.744
24	48 13C2-PFDA	66		NO	4.186
25	49 13C2-8:2 FTS	61		NO	16.031
26	50 d3-N-MeFOSAA	67		NO	10.965
27	51 d5-N-EtFOSAA	67		NO	5.160
28	52 13C2-PFUdA	67		NO	4.559
29	53 13C2-PFDoA	66		NO	4.514
30	54 d3-N-MeFOSA	67		NO	4.844
31	55 13C2-PFTeDA	67		NO	4.257

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

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Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

	# Name	IS#	CoD	CoD Flag	%RSD
32	56 d5-N-ETFOSA	67		NO	4.188
33	57 13C2-PFHxDA	67		NO	13.156
34	58 d7-N-MeFOSE	67		NO	6.013
35	59 d9-N-EtFOSE	67		NO	5.572
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUDa	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:20:44 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.712	NO
4	4:2 FTS	2.026	NO
5	PFHxA	14.406	NO
6	PFPeS	1.558	NO
7	PFHpA	20.913	NO
8	L-PFHxS	1.873	NO
9	6:2 FTS	3.144	NO
10	L-PFOA	5.203	NO
11	PFHpS	1.615	NO
12	PFNA	4.464	NO
13	PFOSA	30.881	NO
14	L-PFOS	1.662	NO
15	PFDA	6.450	NO
16	8:2 FTS	2.951	NO
17	PFNS	1.769	NO
18	L-MeFOSAA	2.542	NO
19	L-EtFOSAA	1.682	NO

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:20:50 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

	Name	Ion Ratio	Ratio out?
1	PFUdA	15.102	NO
2	PFDS	1.844	NO
3	PFDaA	9.643	NO
4	N-MeFOSA	1.333	NO
5	PFTTrDA	40.794	NO
6	PFTeDA	13.114	NO
7	N-EtFOSA	1.429	NO
8	PFHxDA	37.601	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Friday, July 27, 2018 11:27:08 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:28:38 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 27 Jul 2018 09:41:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
1	1 180726M1_1	IPA	26-Jul-18	17:29:40
2	2 180726M1_2	ST180726M1-1 PFC CS-2 18G1910	26-Jul-18	17:40:07
3	3 180726M1_3	ST180726M1-2 PFC CS-1 18G1911	26-Jul-18	17:50:37
4	4 180726M1_4	ST180726M1-3 PFC CS0 18G1912	26-Jul-18	18:01:07
5	5 180726M1_5	ST180726M1-4 PFC CS1 18G1913	26-Jul-18	18:11:32
6	6 180726M1_6	ST180726M1-5 PFC CS2 18G1914	26-Jul-18	18:22:02
7	7 180726M1_7	ST180726M1-6 PFC CS3 18G1915	26-Jul-18	18:32:27
8	8 180726M1_8	ST180726M1-7 PFC CS4 18G1916	26-Jul-18	18:42:57
9	9 180726M1_9	ST180726M1-8 PFC CS5 18G1917	26-Jul-18	18:53:21
10	10 180726M1_10	ST180726M1-9 PFC CS6 18G1918	26-Jul-18	19:03:52
11	11 180726M1_11	ST180726M1-10 PFC CS7 18G1919	26-Jul-18	19:14:17
12	12 180726M1_12	IPA	26-Jul-18	19:24:48
13	13 180726M1_13	ICV180726M1-1 PFC 537 ICV 18G1920	26-Jul-18	19:35:18
14	14 180726M1_14	IPA	26-Jul-18	19:45:44

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

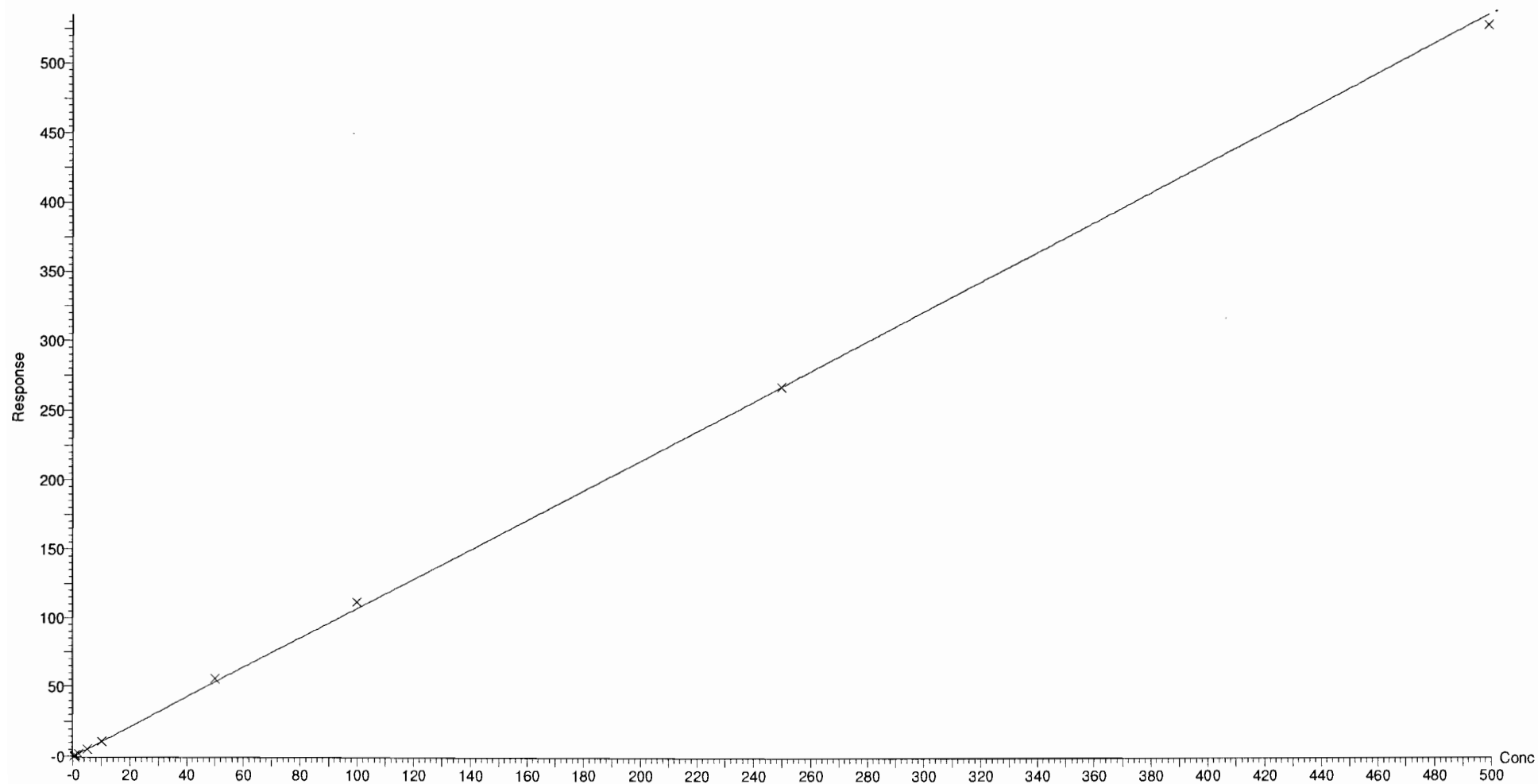
Compound name: PFBA

Correlation coefficient: $r = 0.999775$, $r^2 = 0.999549$

Calibration curve: $1.06943 * x + 0.0393717$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

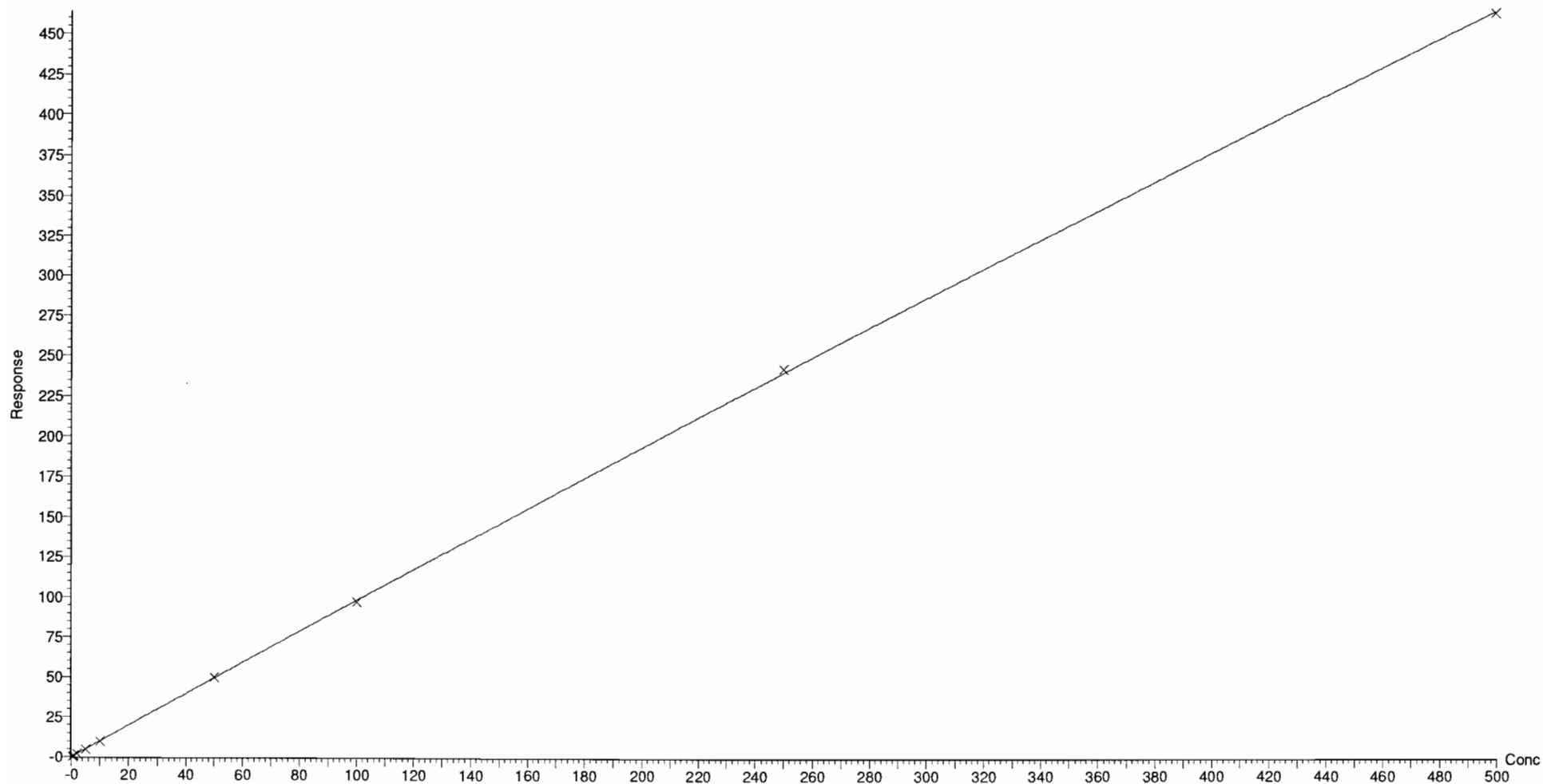
Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999948$

Calibration curve: $-0.000129106 * x^2 + 0.992994 * x + -0.0245078$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

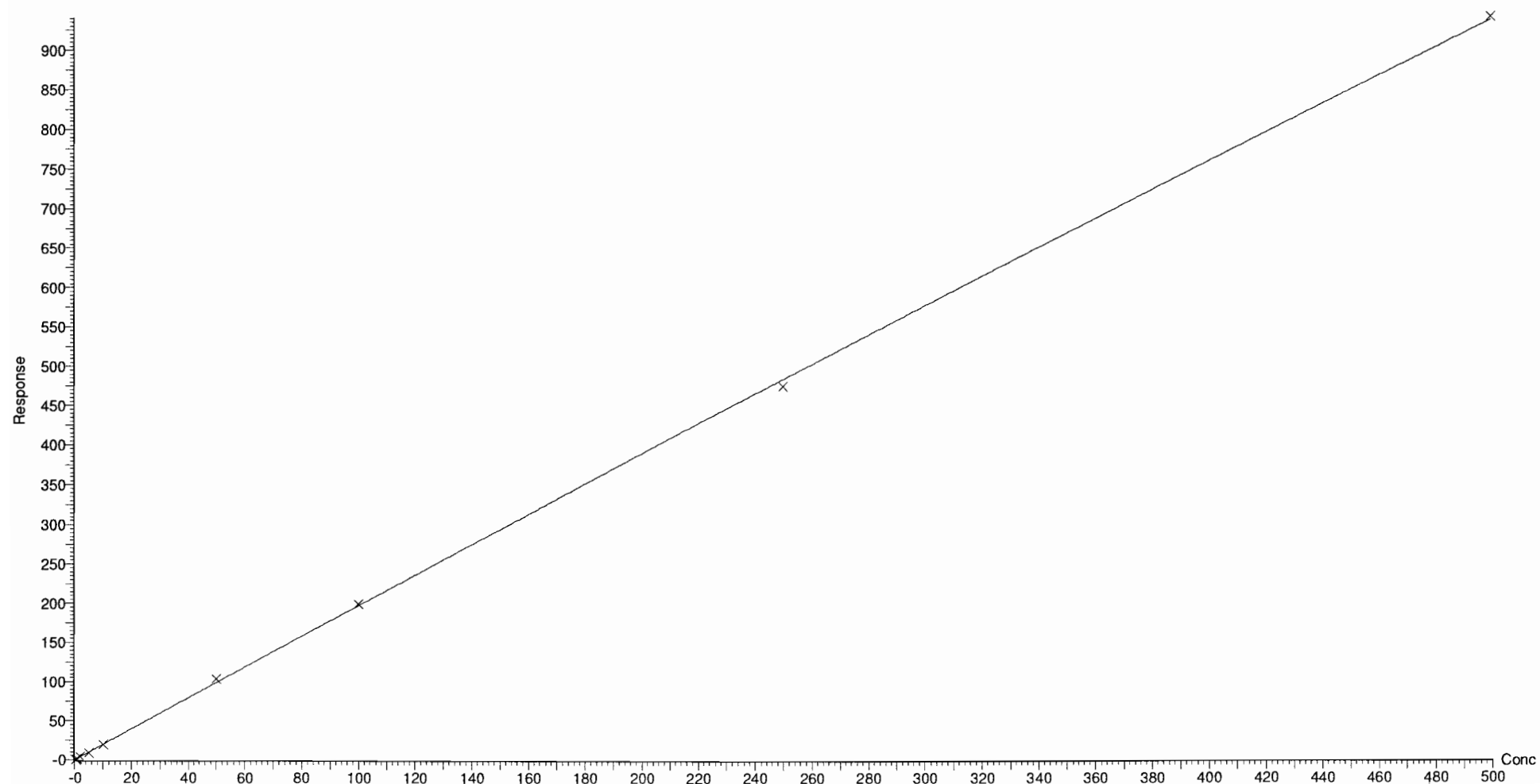
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999683$

Calibration curve: $-0.000246522 * x^2 + 1.99743 * x + -0.14833$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

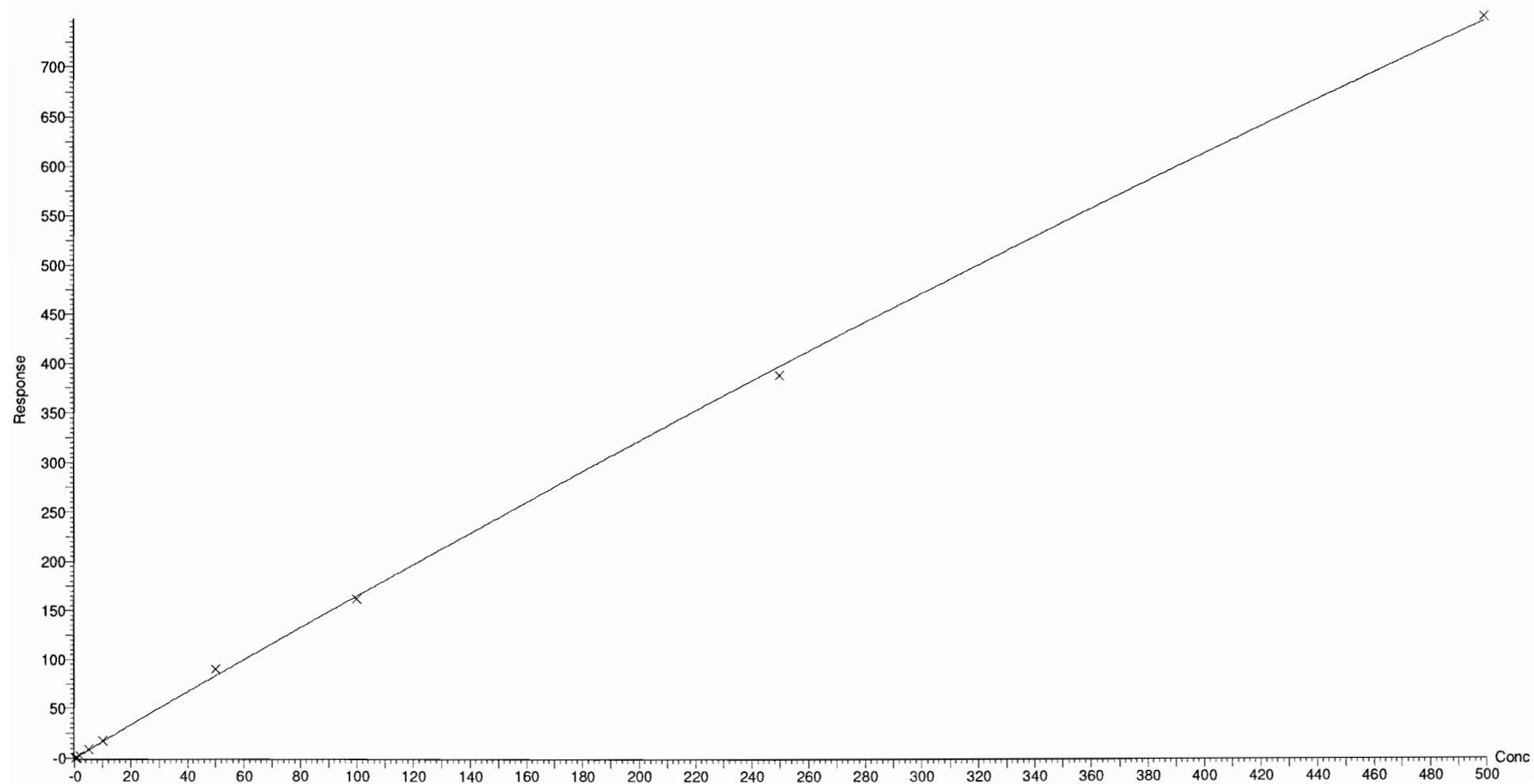
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999259$

Calibration curve: $-0.000399322 * x^2 + 1.68815 * x + -0.0907595$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

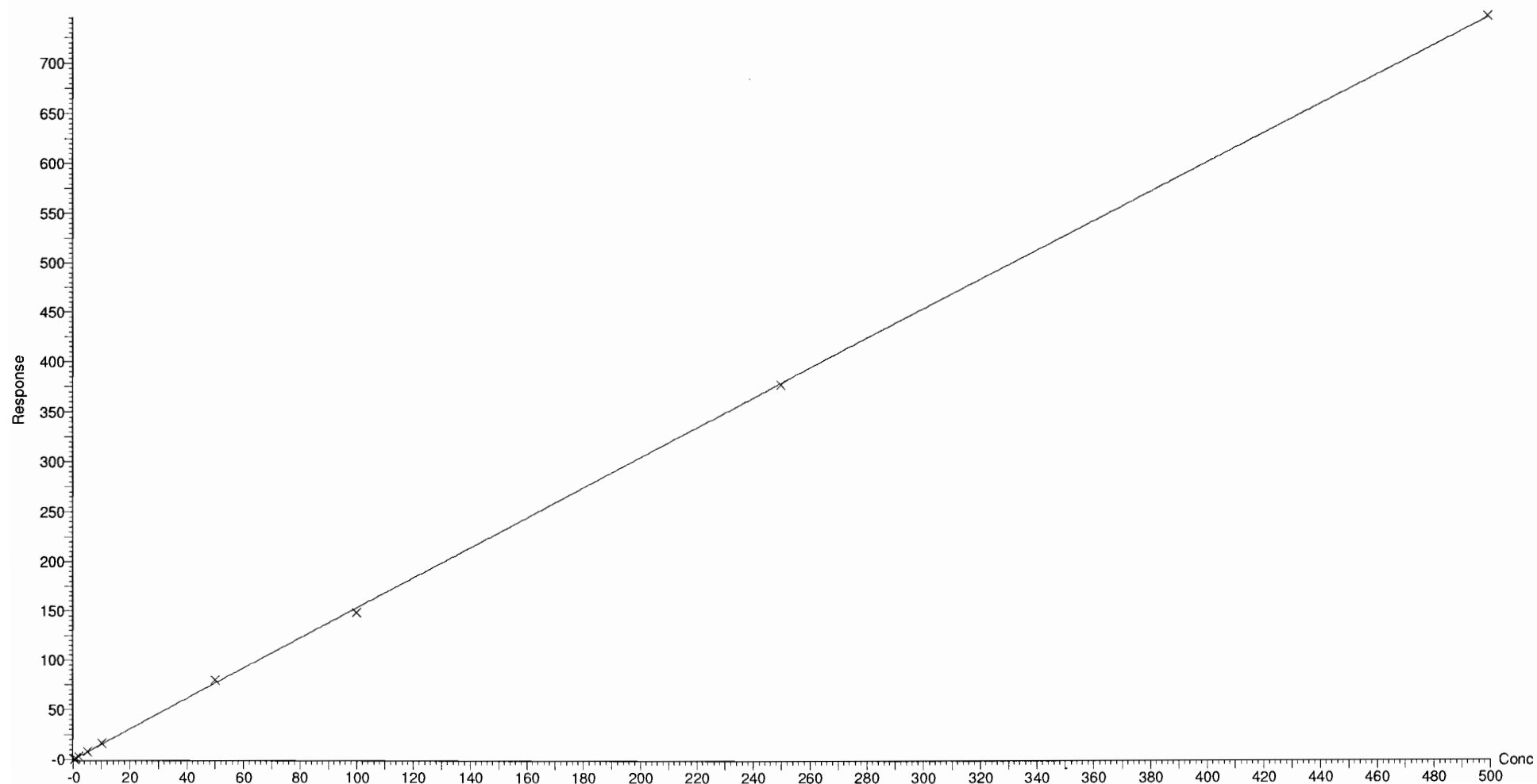
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999688$

Calibration curve: $-0.000108951 \cdot x^2 + 1.54301 \cdot x + 0.0260571$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

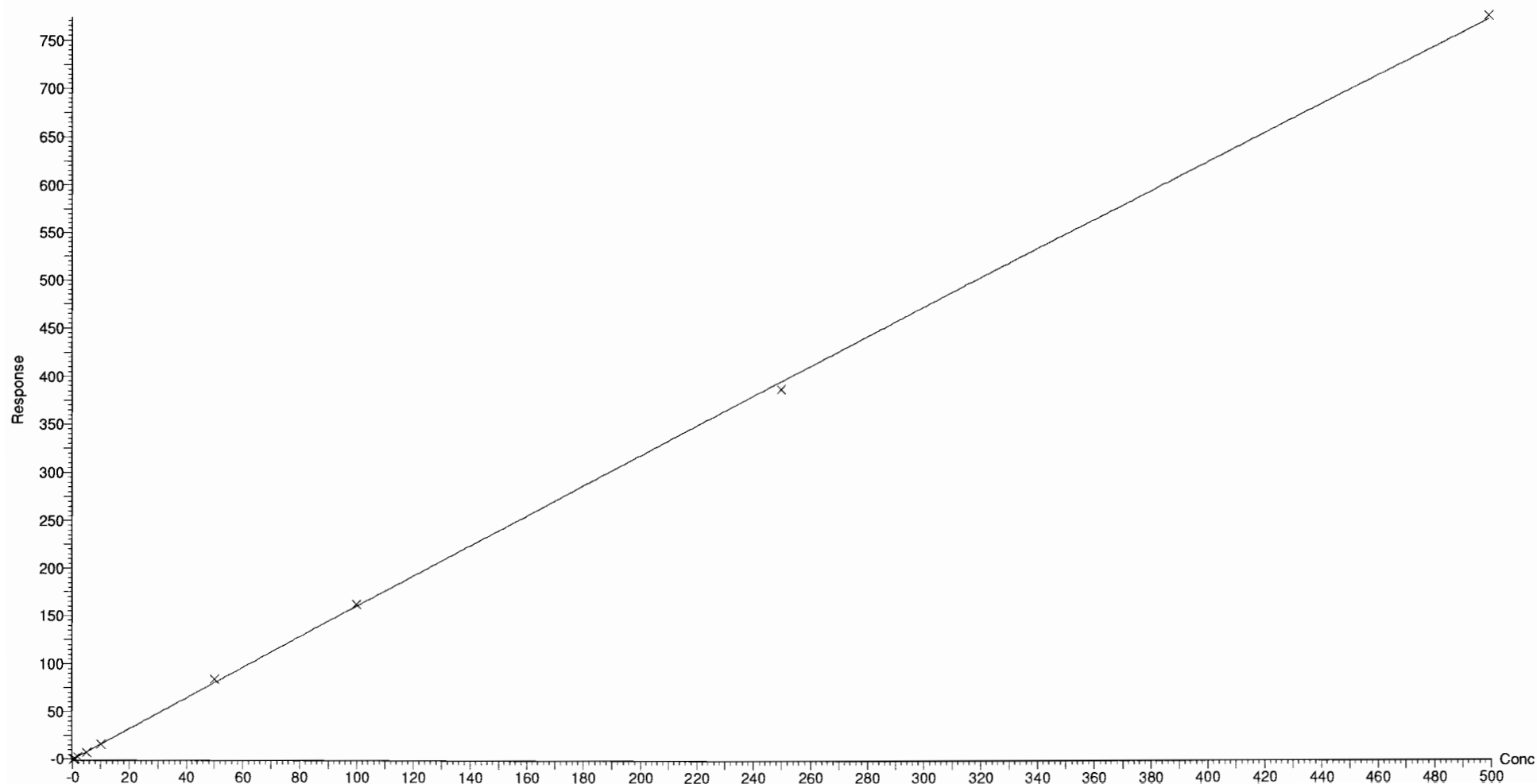
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999633$

Calibration curve: $-0.00015904 * x^2 + 1.62082 * x + -0.252489$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

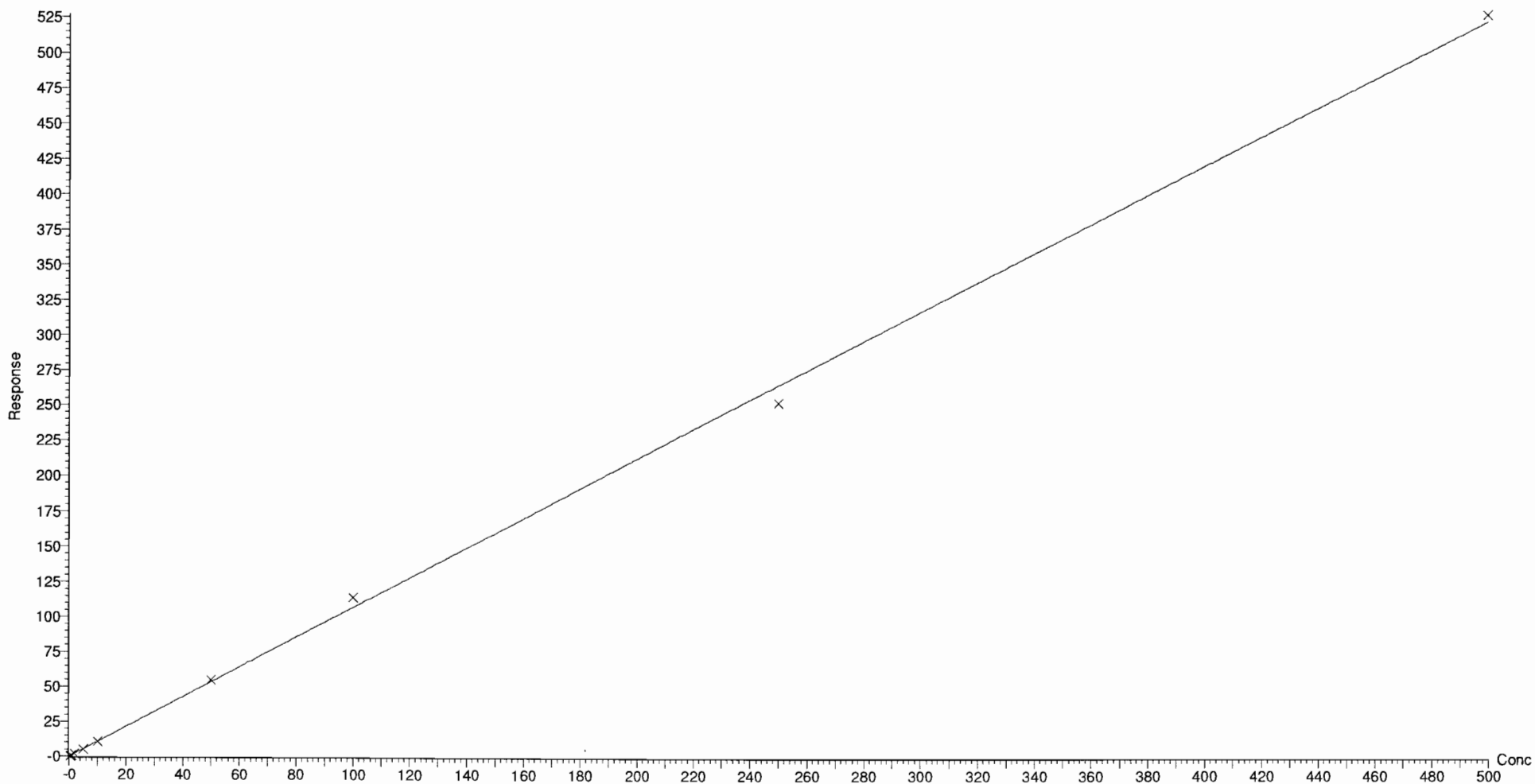
Compound name: PFHpA

Coefficient of Determination: $R^2 = 0.998770$

Calibration curve: $-6.35867e-005 * x^2 + 1.07607 * x + 0.0352161$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

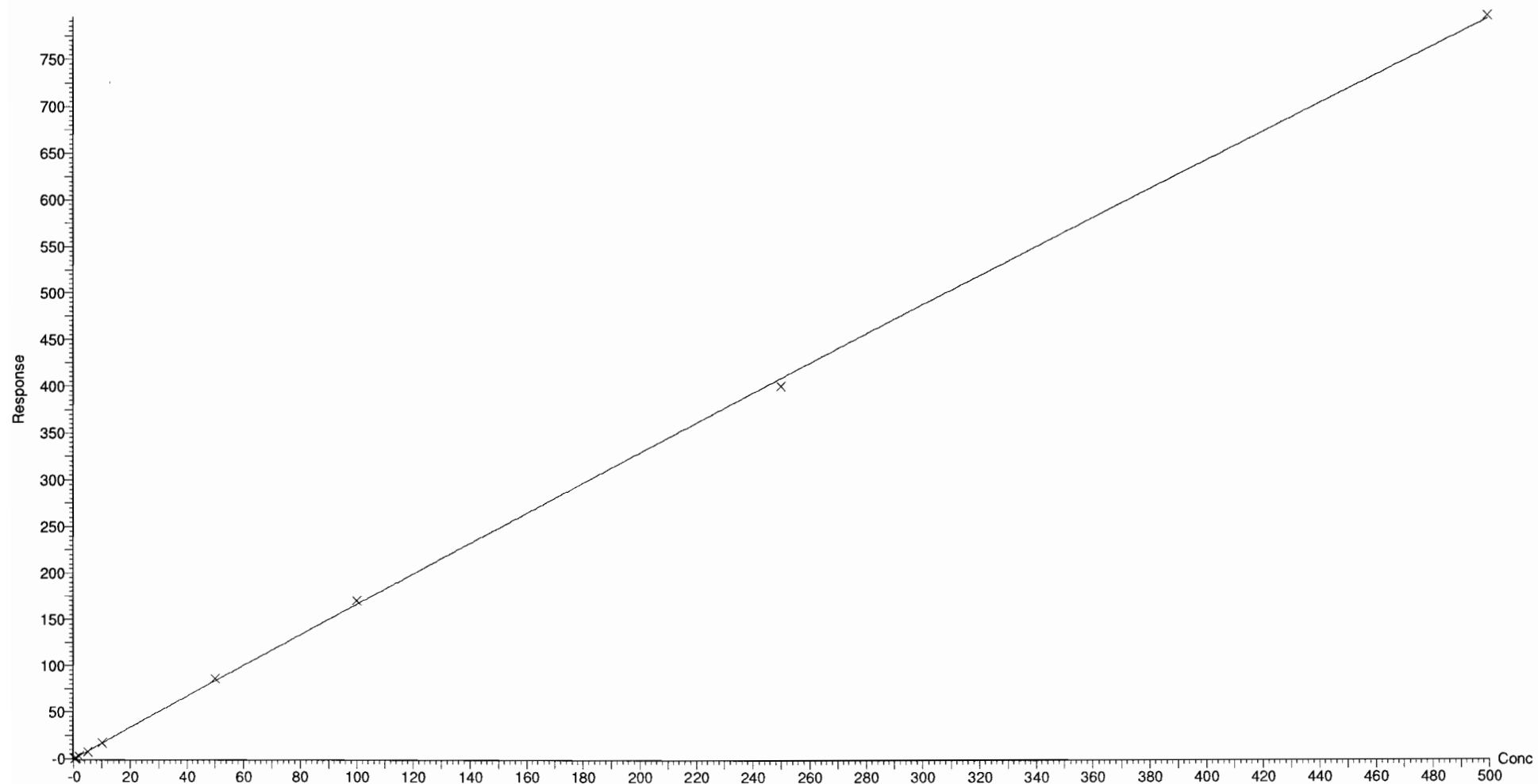
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999657$

Calibration curve: $-0.000204762 * x^2 + 1.68628 * x + -0.08366$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

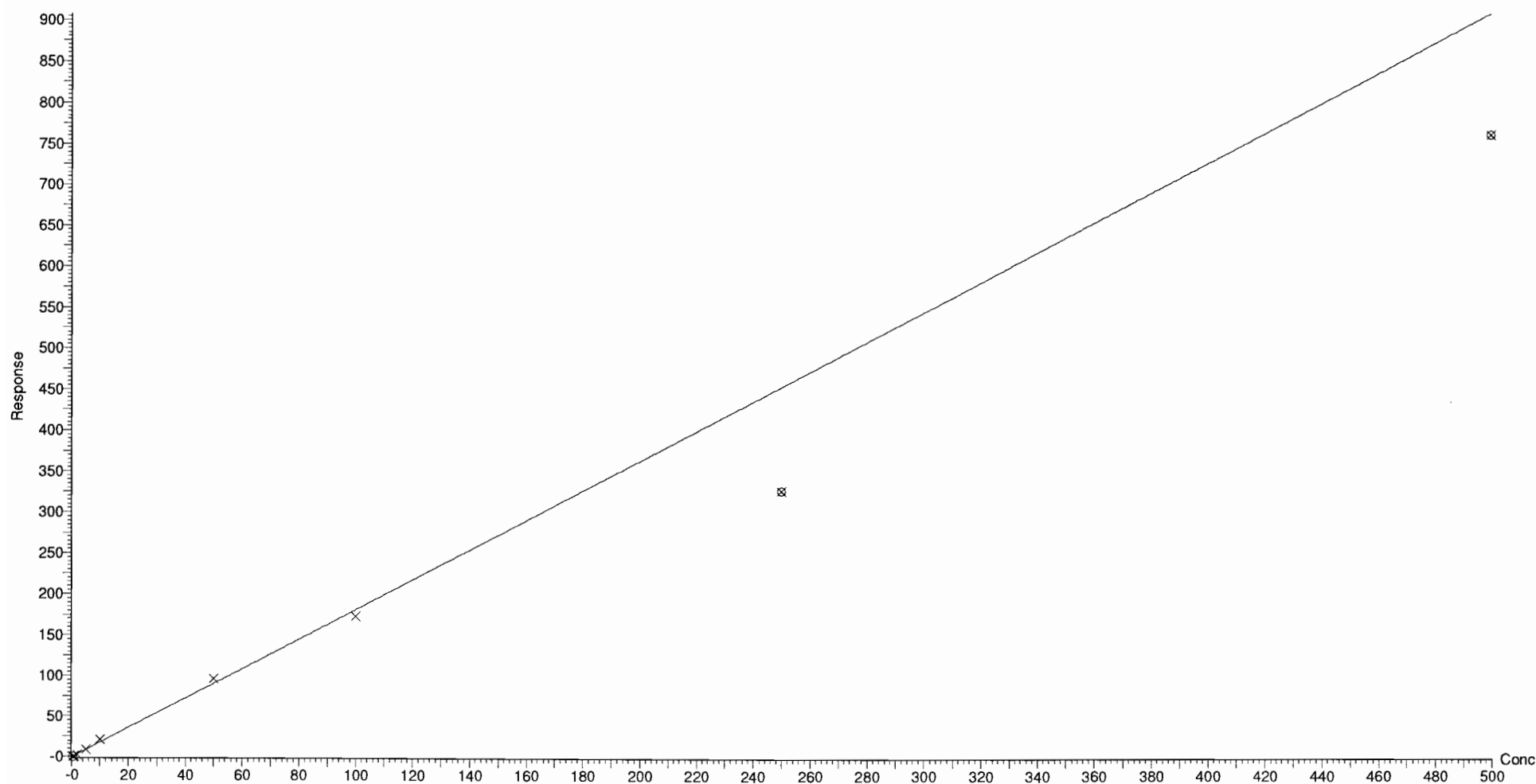
Compound name: 6:2 FTS

Correlation coefficient: $r = 0.996987$, $r^2 = 0.993984$

Calibration curve: $1.81507 * x + -0.337461$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

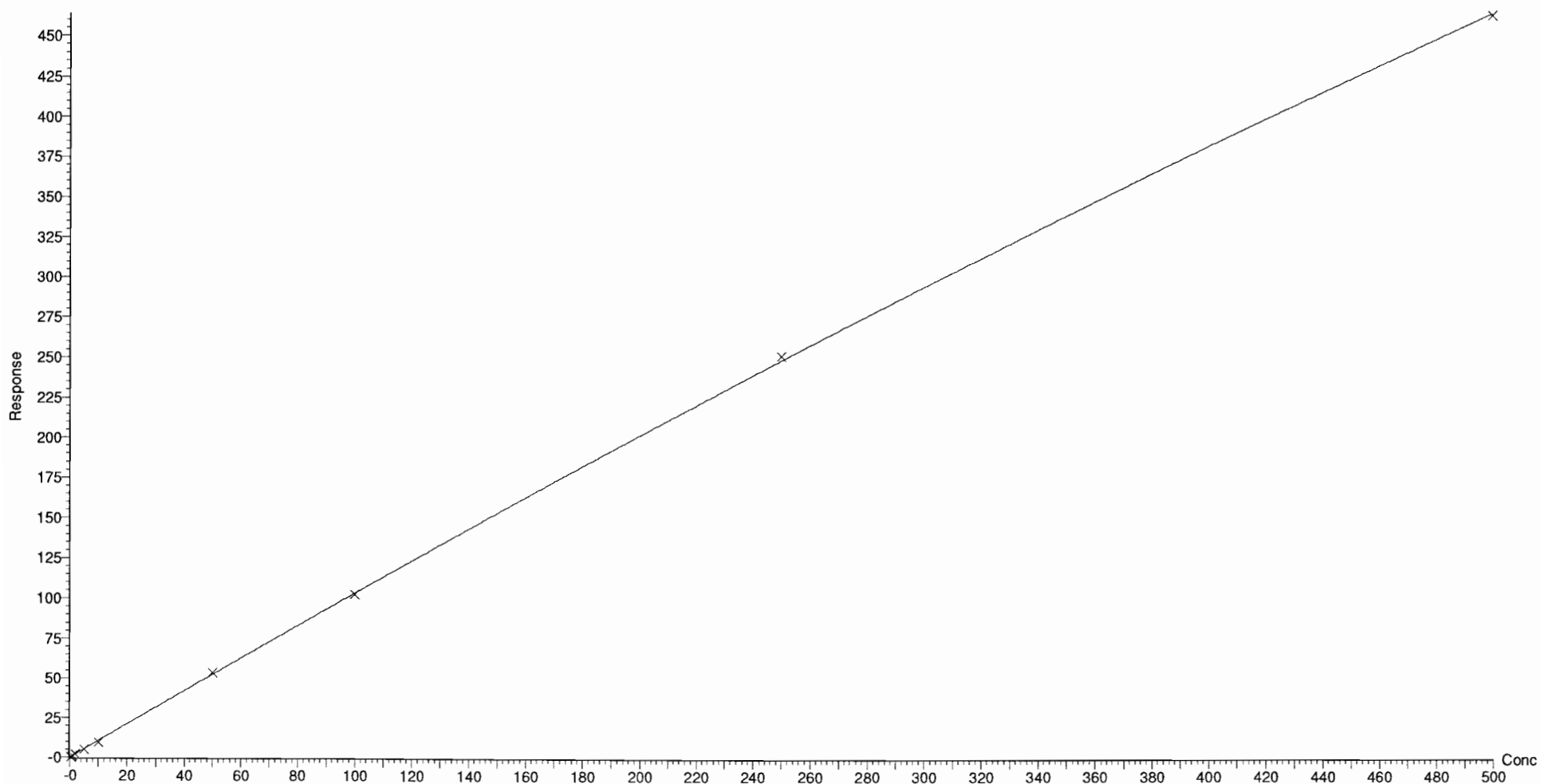
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999646$

Calibration curve: $-0.000265458 * x^2 + 1.06049 * x + 0.0373971$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

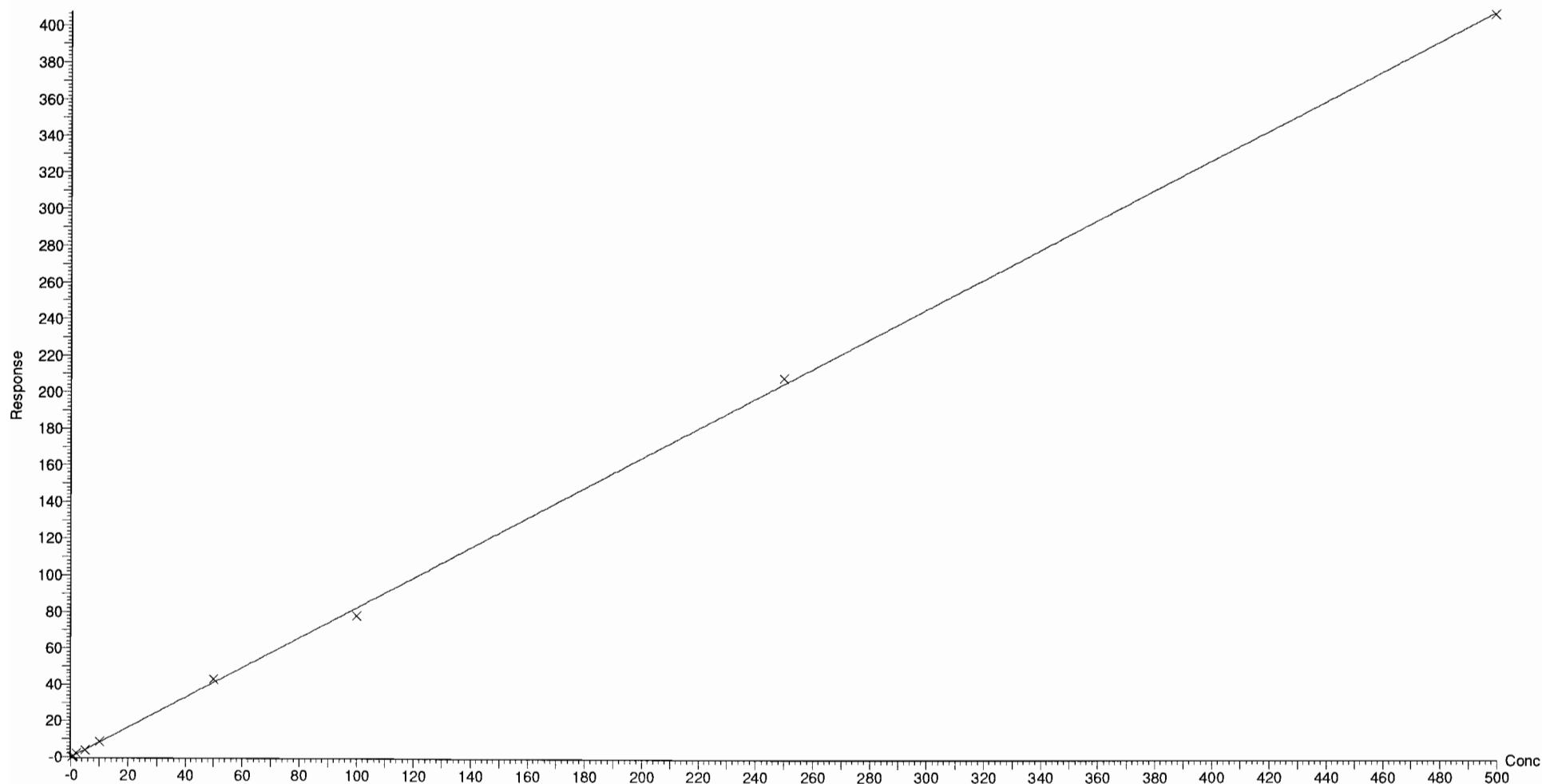
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999319$

Calibration curve: $-2.41736e-005 * x^2 + 0.826865 * x + -0.0328328$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

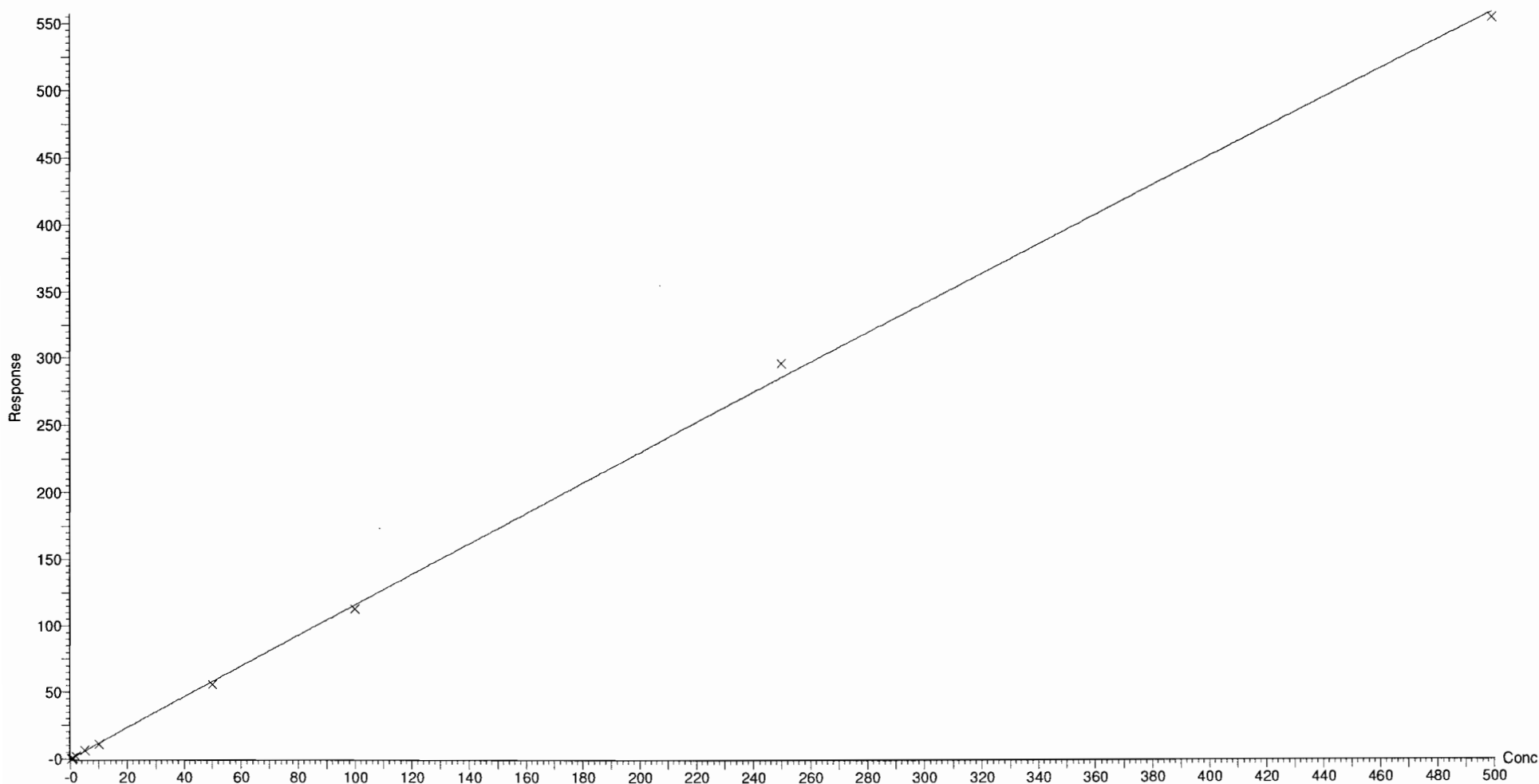
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999210$

Calibration curve: $-0.000110241 * x^2 + 1.16977 * x + -0.013812$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

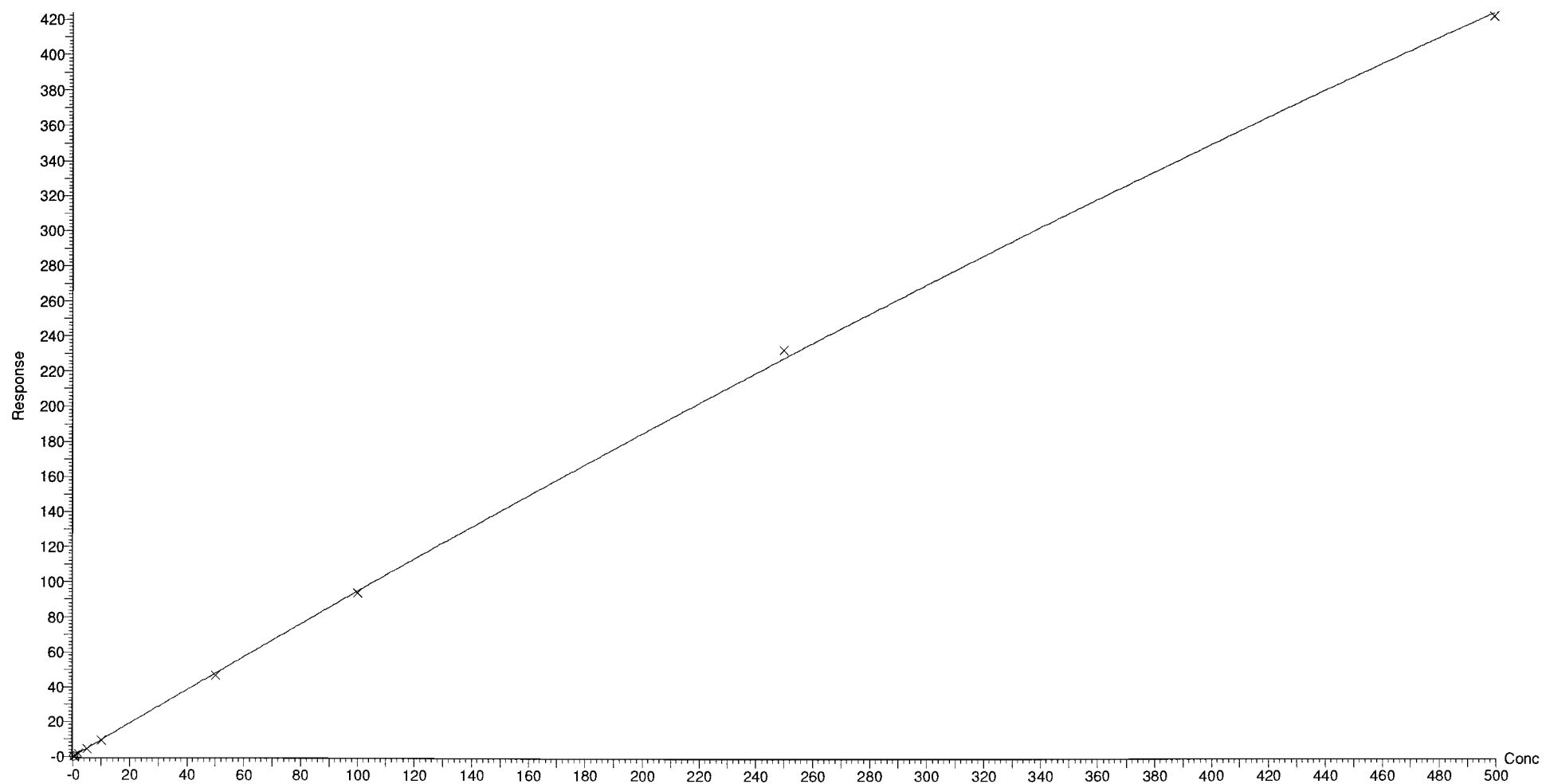
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999788$

Calibration curve: $-0.000257297 * x^2 + 0.976864 * x + -0.120928$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

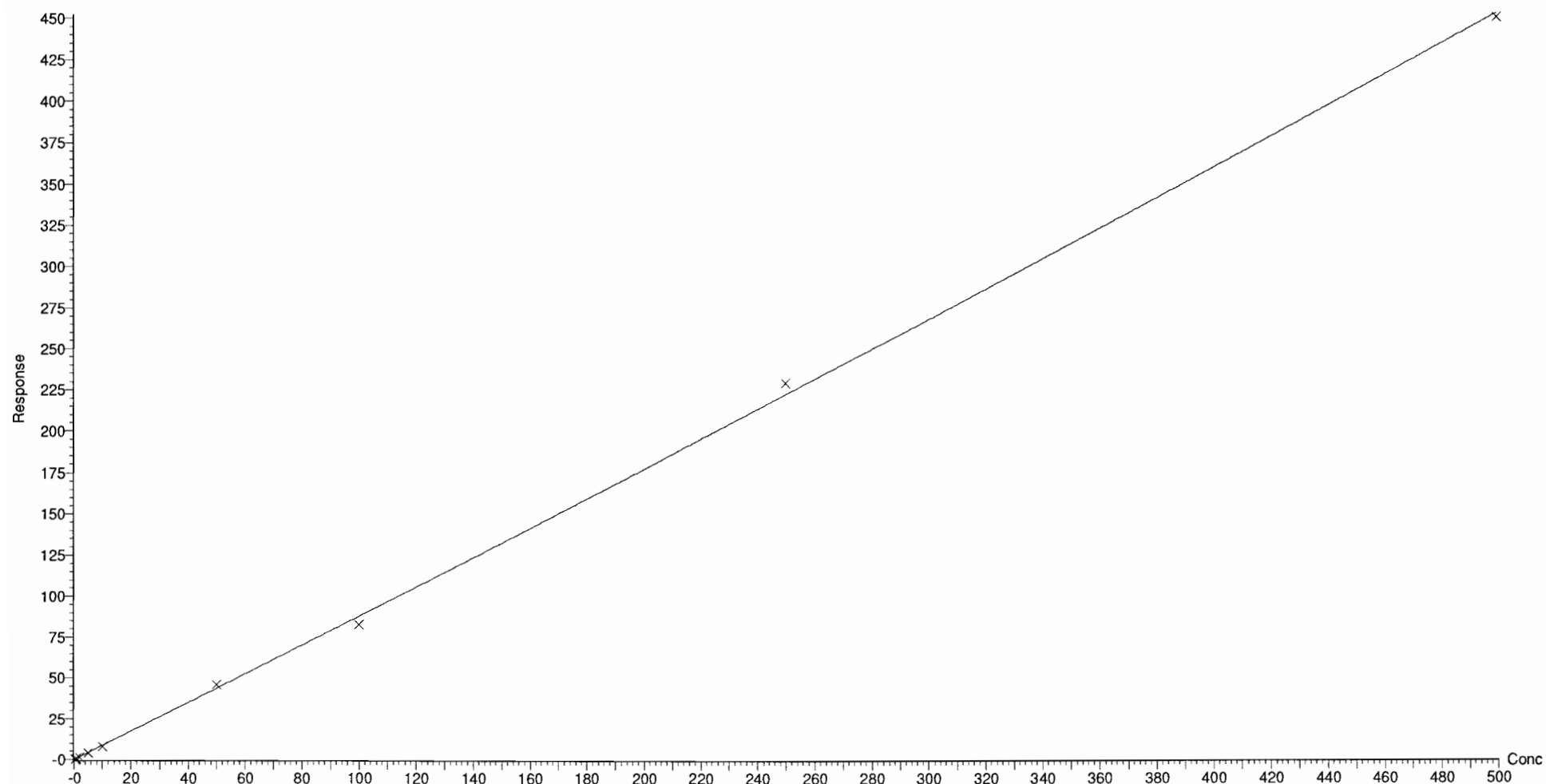
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.998977$

Calibration curve: $6.38382e-005 * x^2 + 0.873013 * x + -0.0471876$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

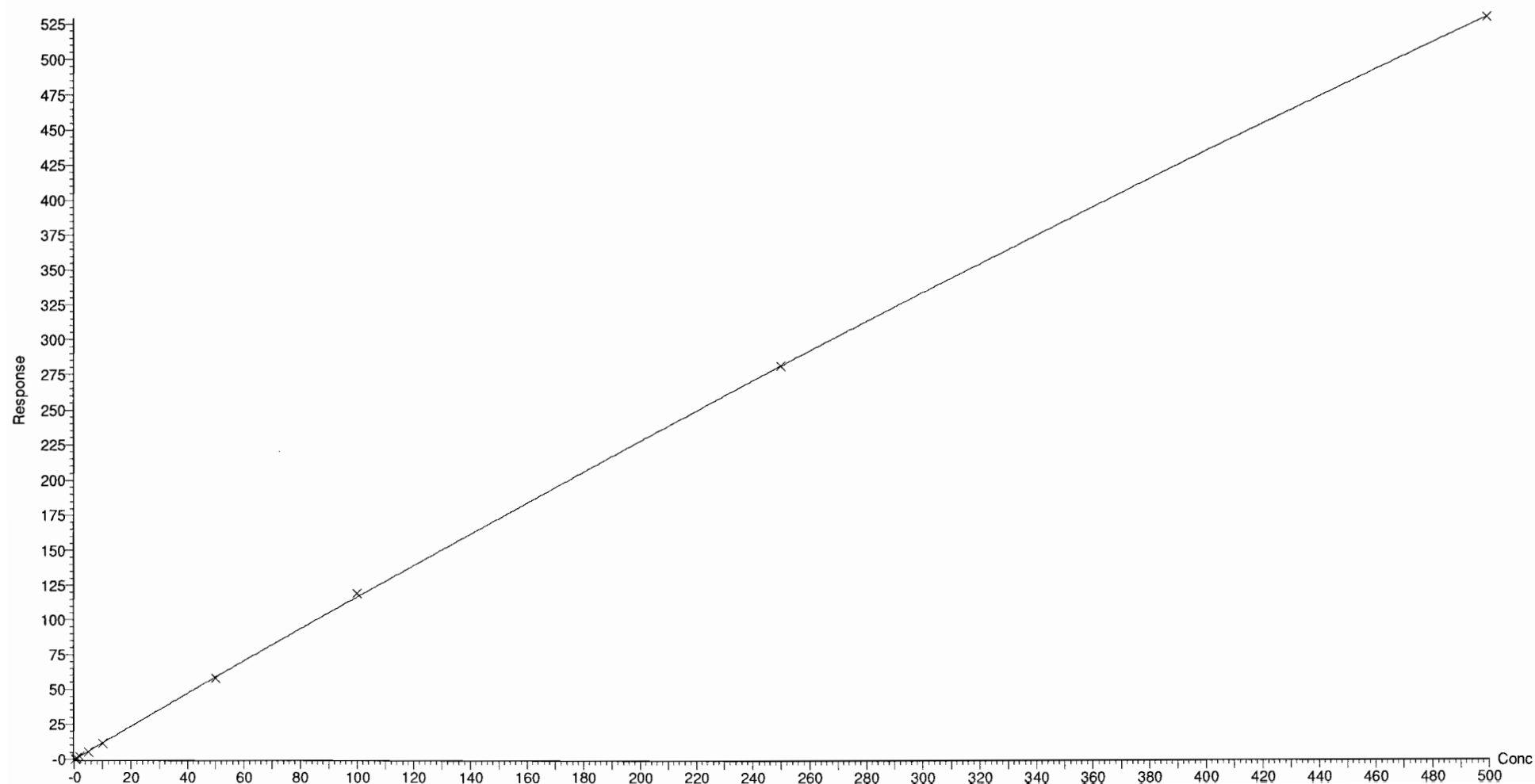
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999775$

Calibration curve: $-0.000269016 * x^2 + 1.19292 * x + -0.0122708$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

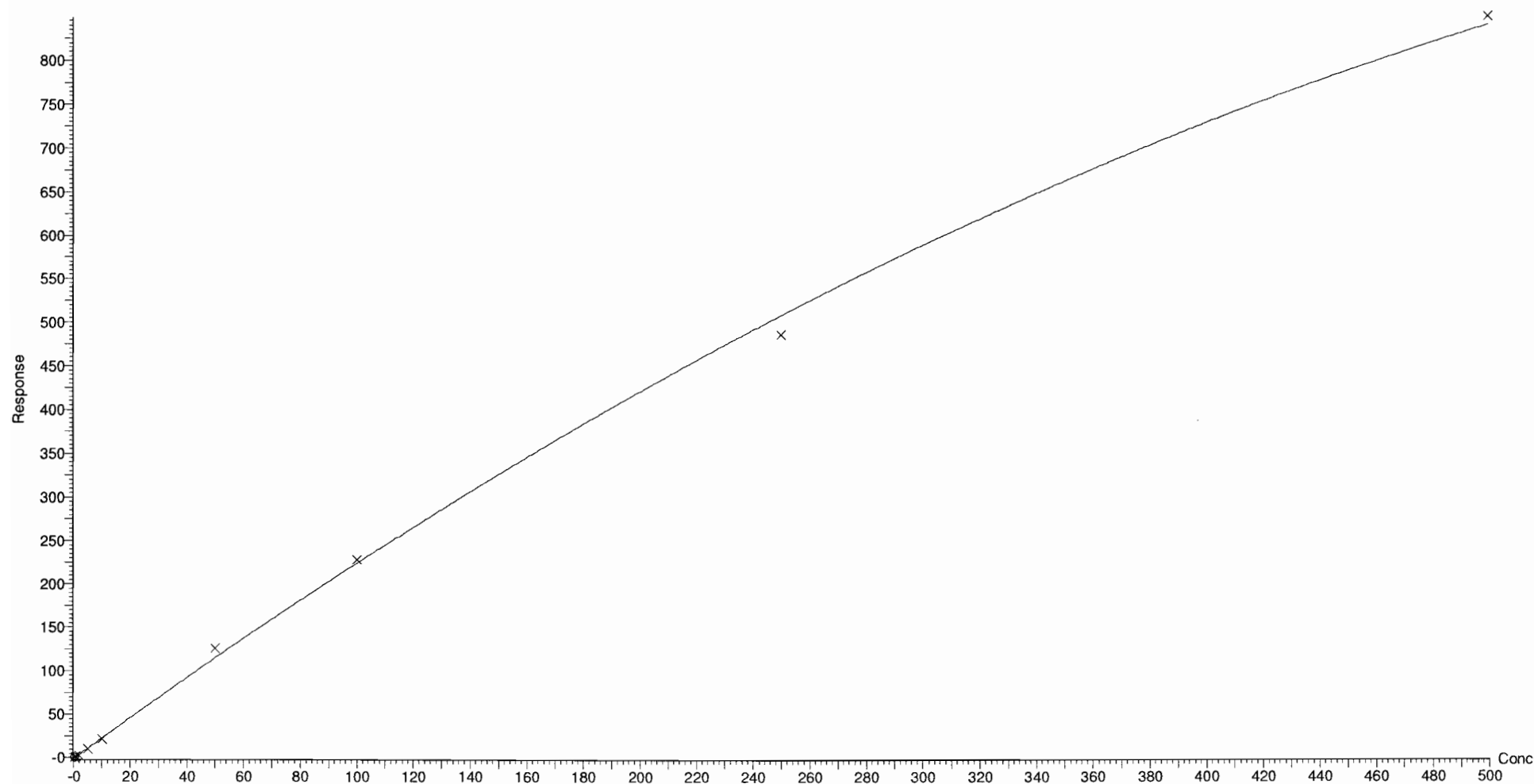
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998287$

Calibration curve: $-0.00142243 * x^2 + 2.39255 * x + -0.97163$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

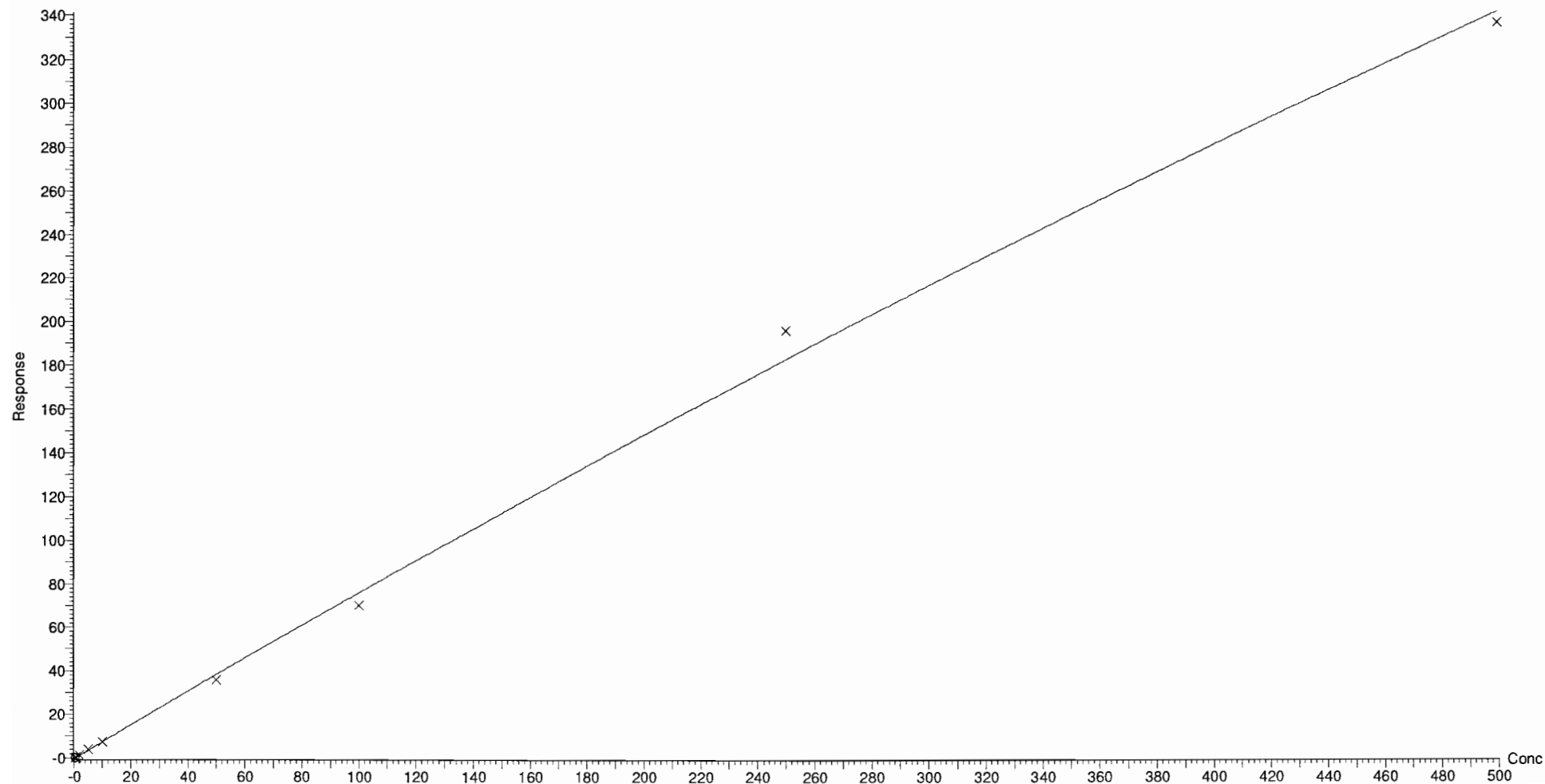
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.997234$

Calibration curve: $-0.000198438 * x^2 + 0.782475 * x + -0.28874$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

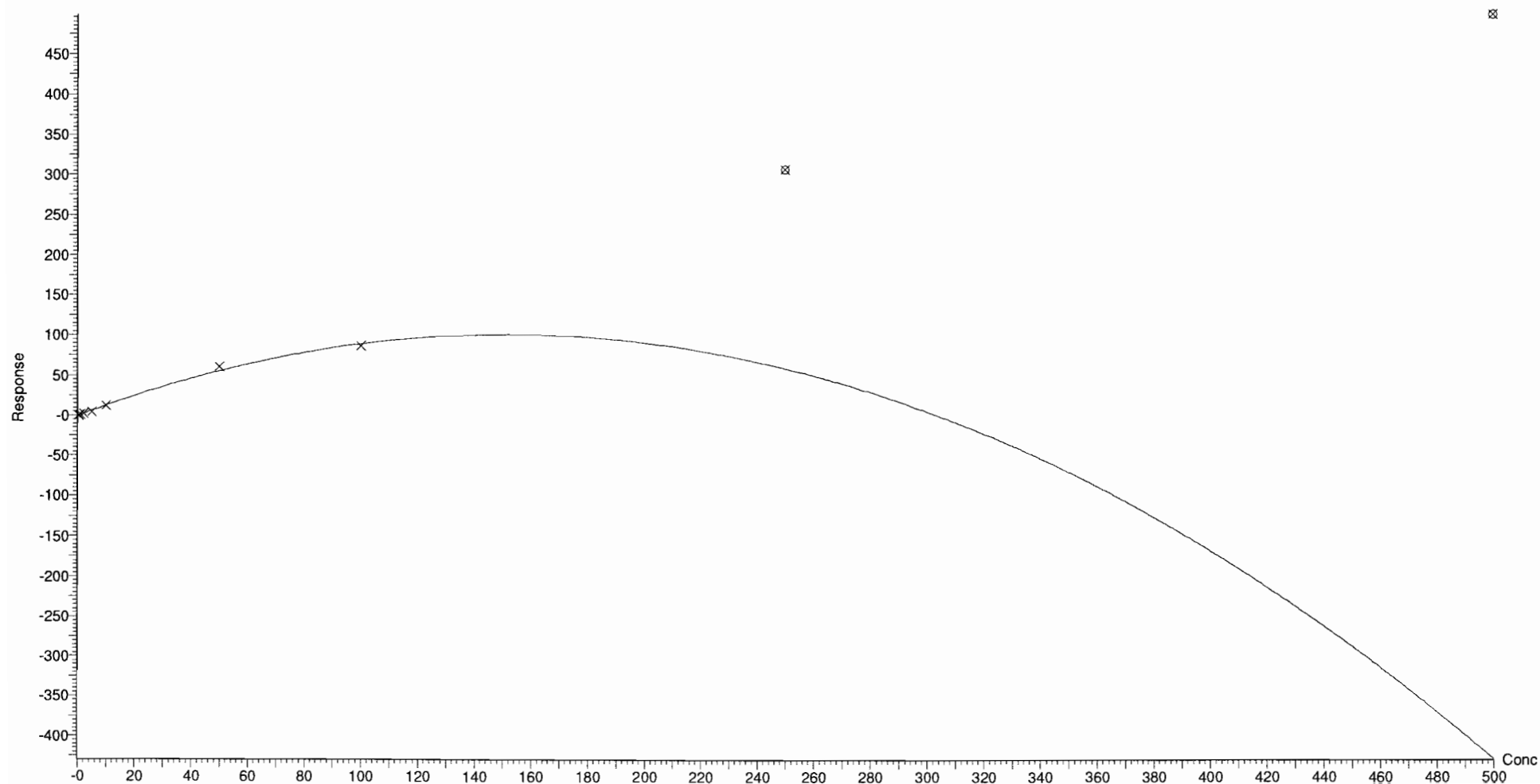
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.990543$

Calibration curve: $-0.00437624 * x^2 + 1.33194 * x + -0.242307$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:18:49 Pacific Daylight Time

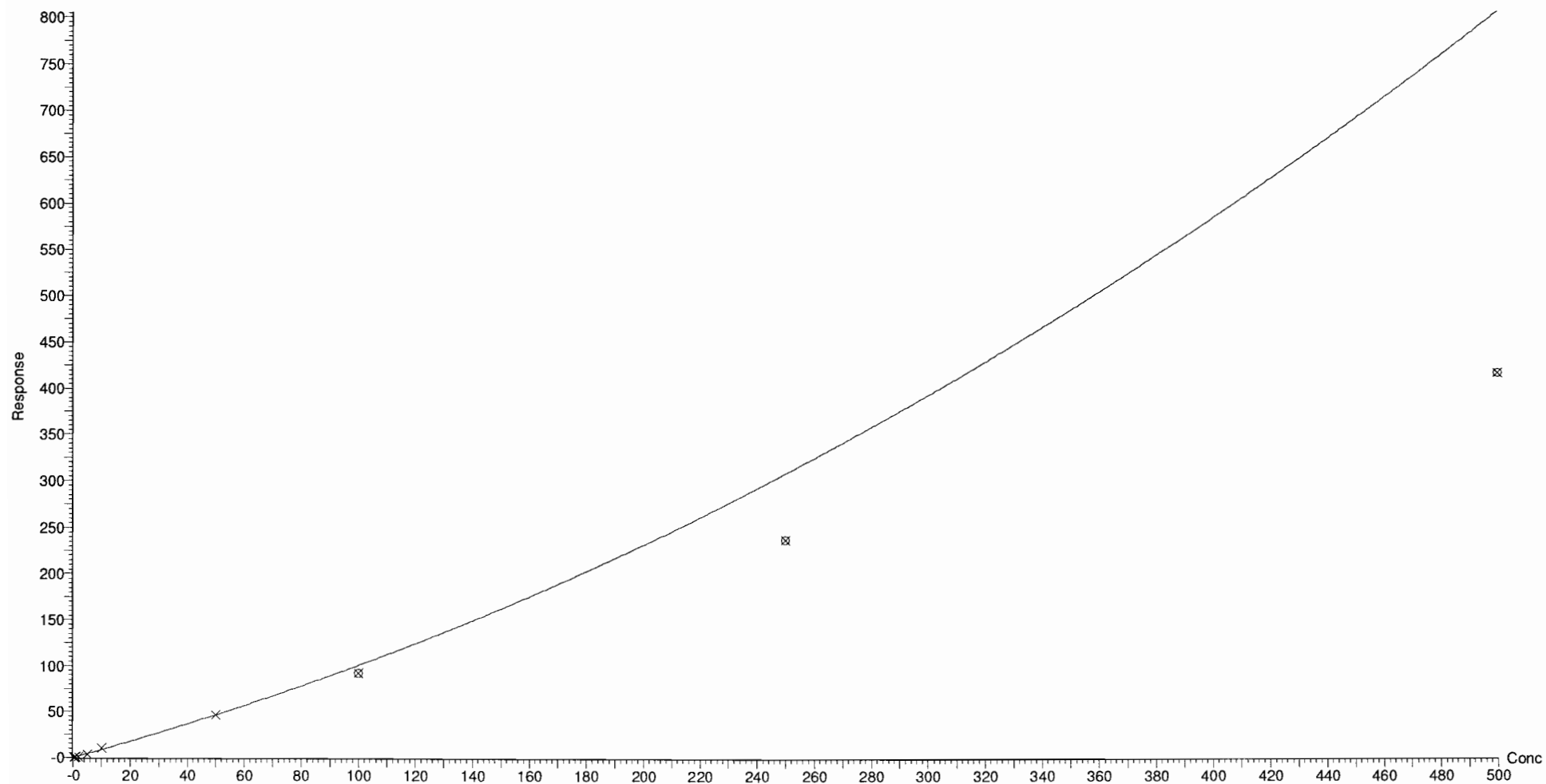
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.991484$

Calibration curve: $0.00150995 * x^2 + 0.855867 * x + -0.152778$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 26 Jul 2018 10:19:21

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

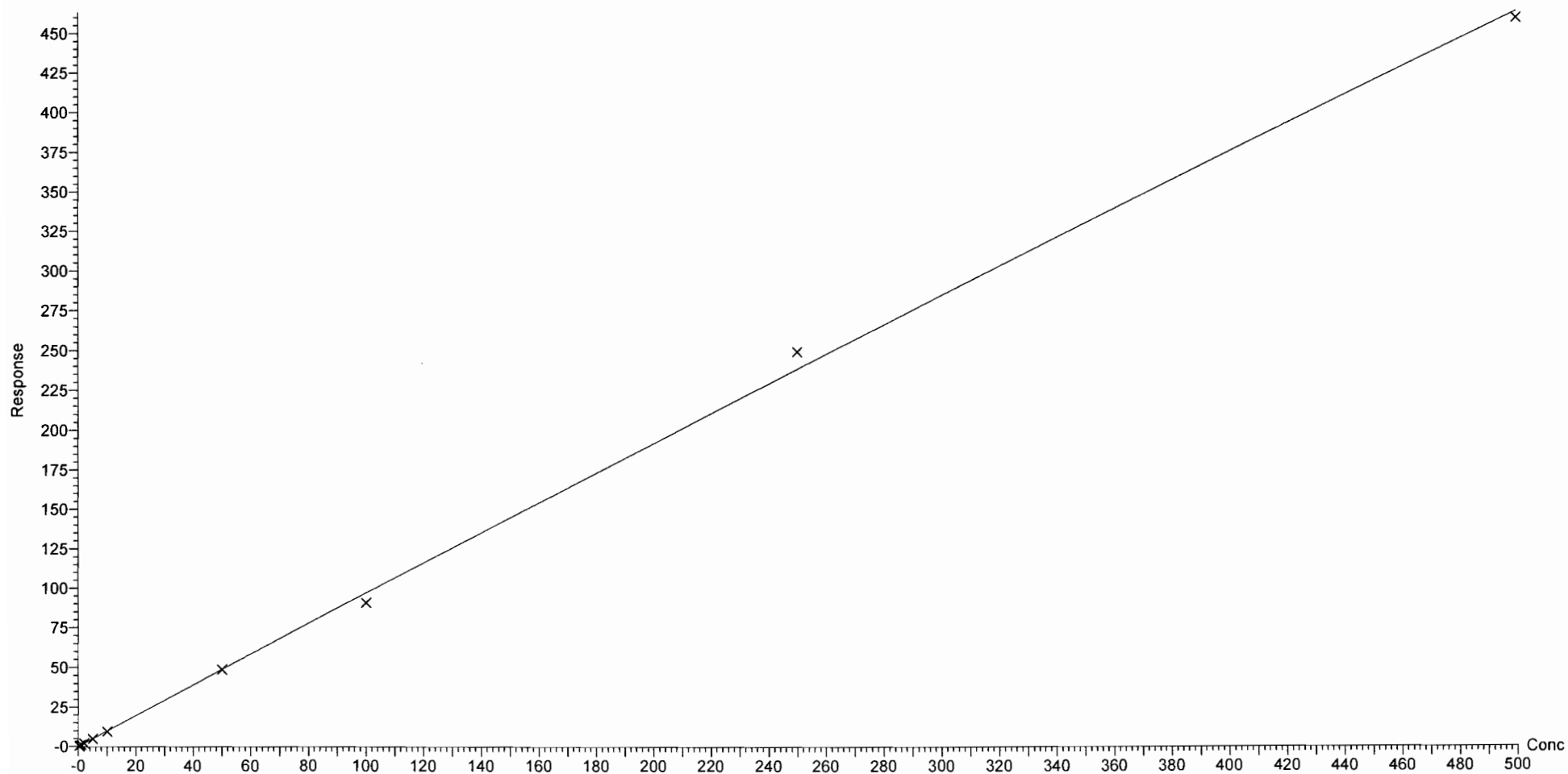
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.998787$

Calibration curve: $-0.000108683 * x^2 + 0.980034 * x + 0.0600836$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

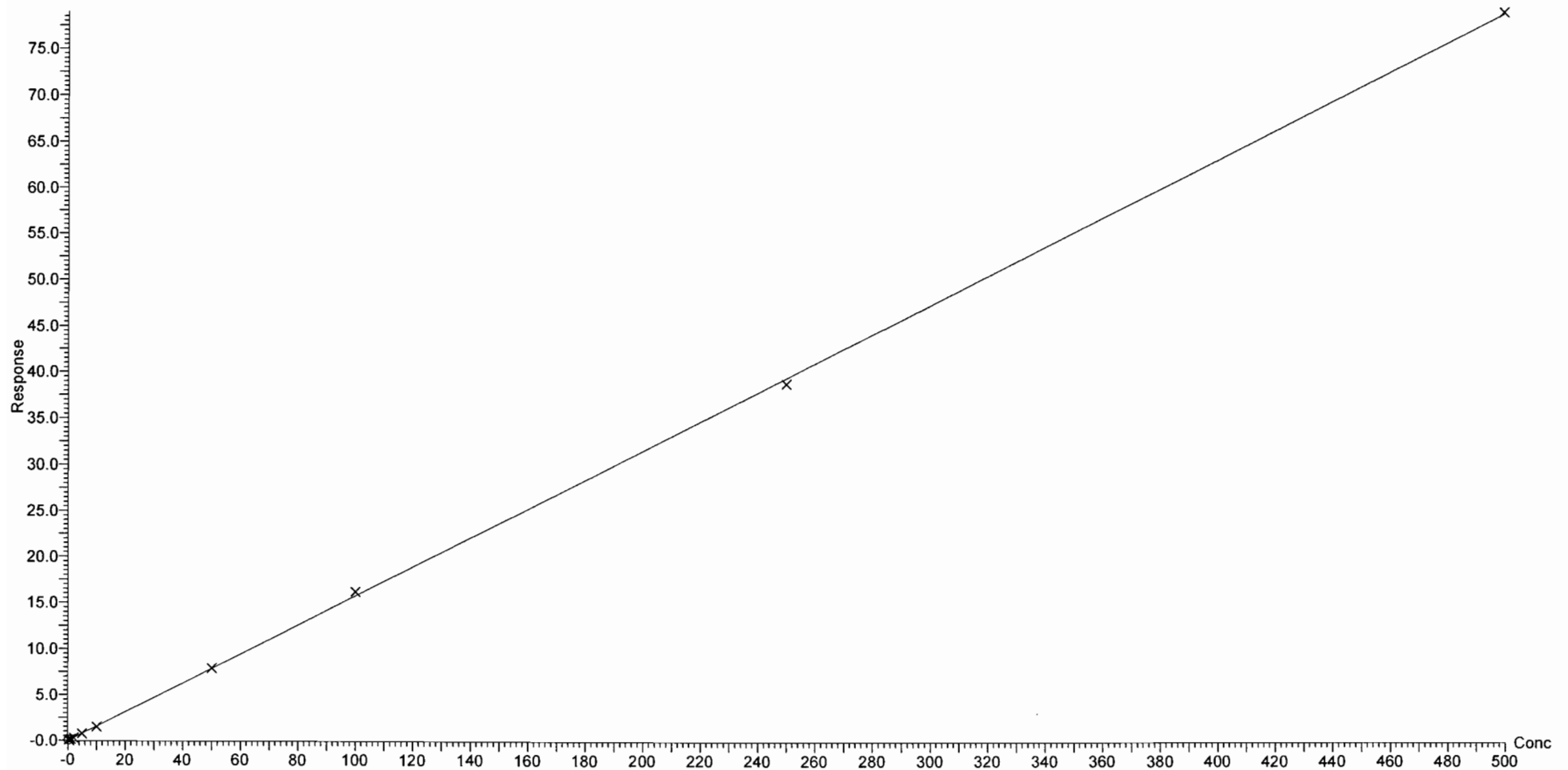
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999801$

Calibration curve: $-9.35719e-007 * x^2 + 0.158 * x + -0.0362172$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

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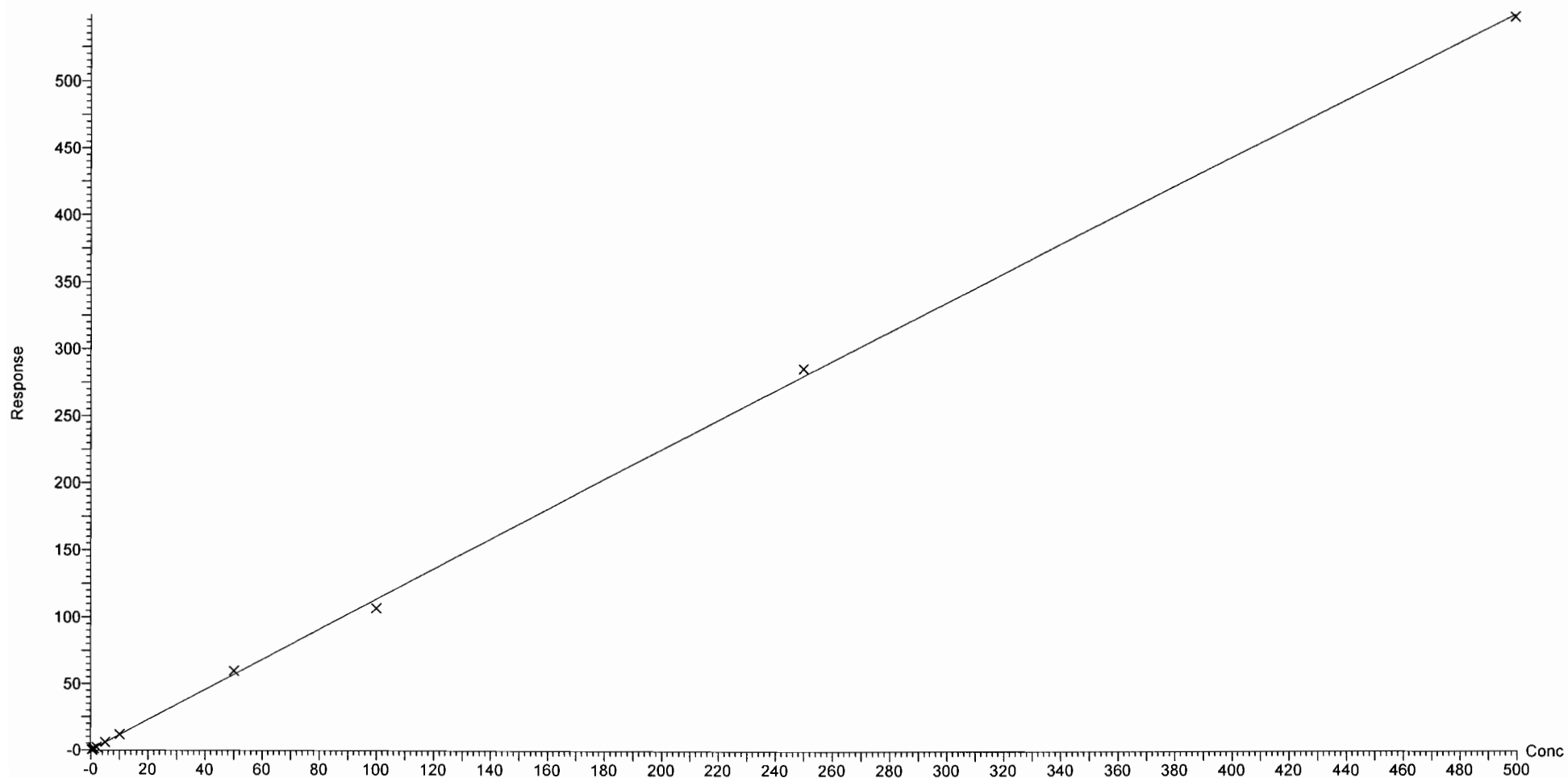
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999341$

Calibration curve: $-9.67626e-005 * x^2 + 1.14544 * x + 0.00412556$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

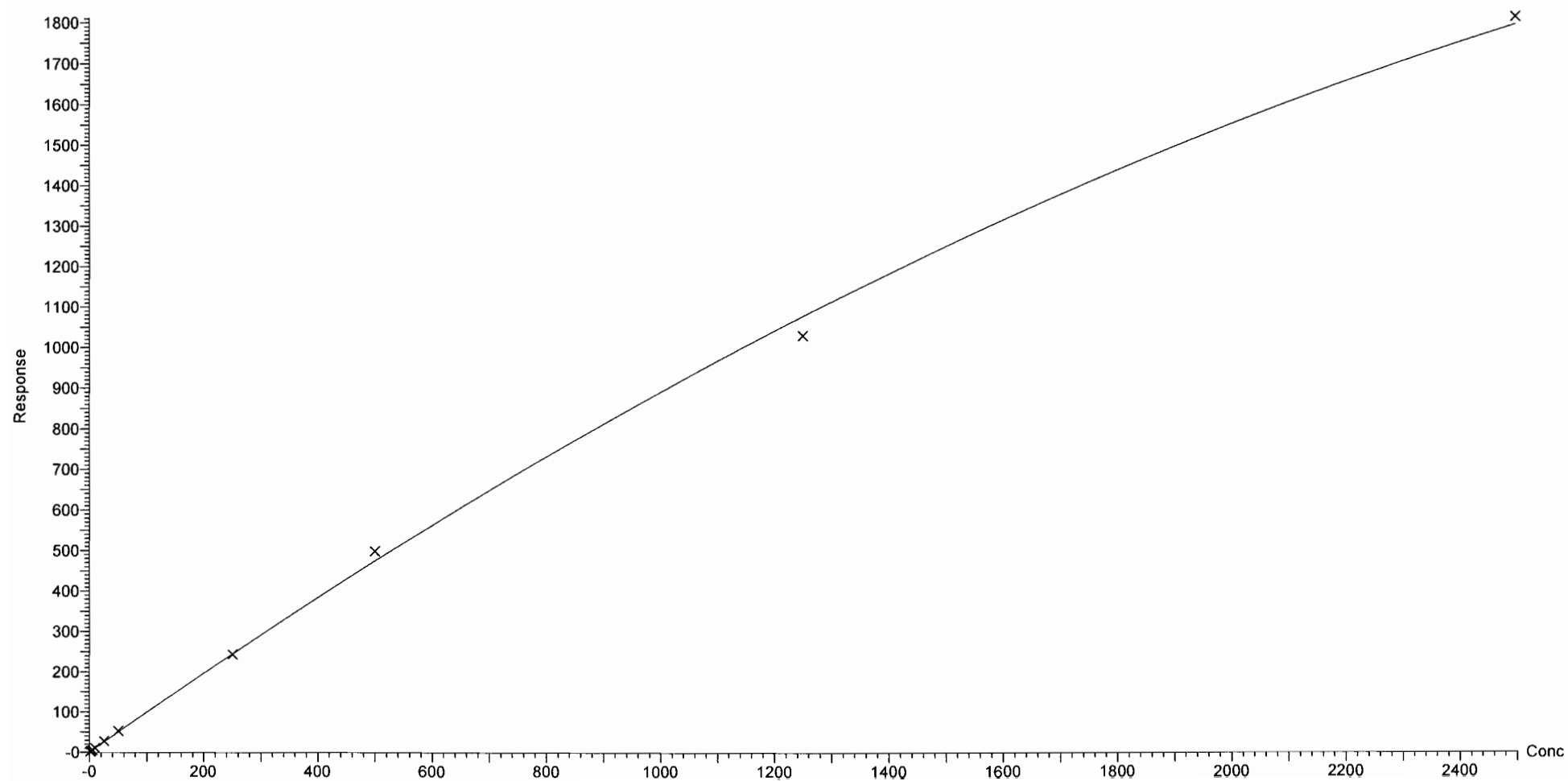
Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.998803$

Calibration curve: $-0.000115732 * x^2 + 1.00619 * x + 0.211663$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

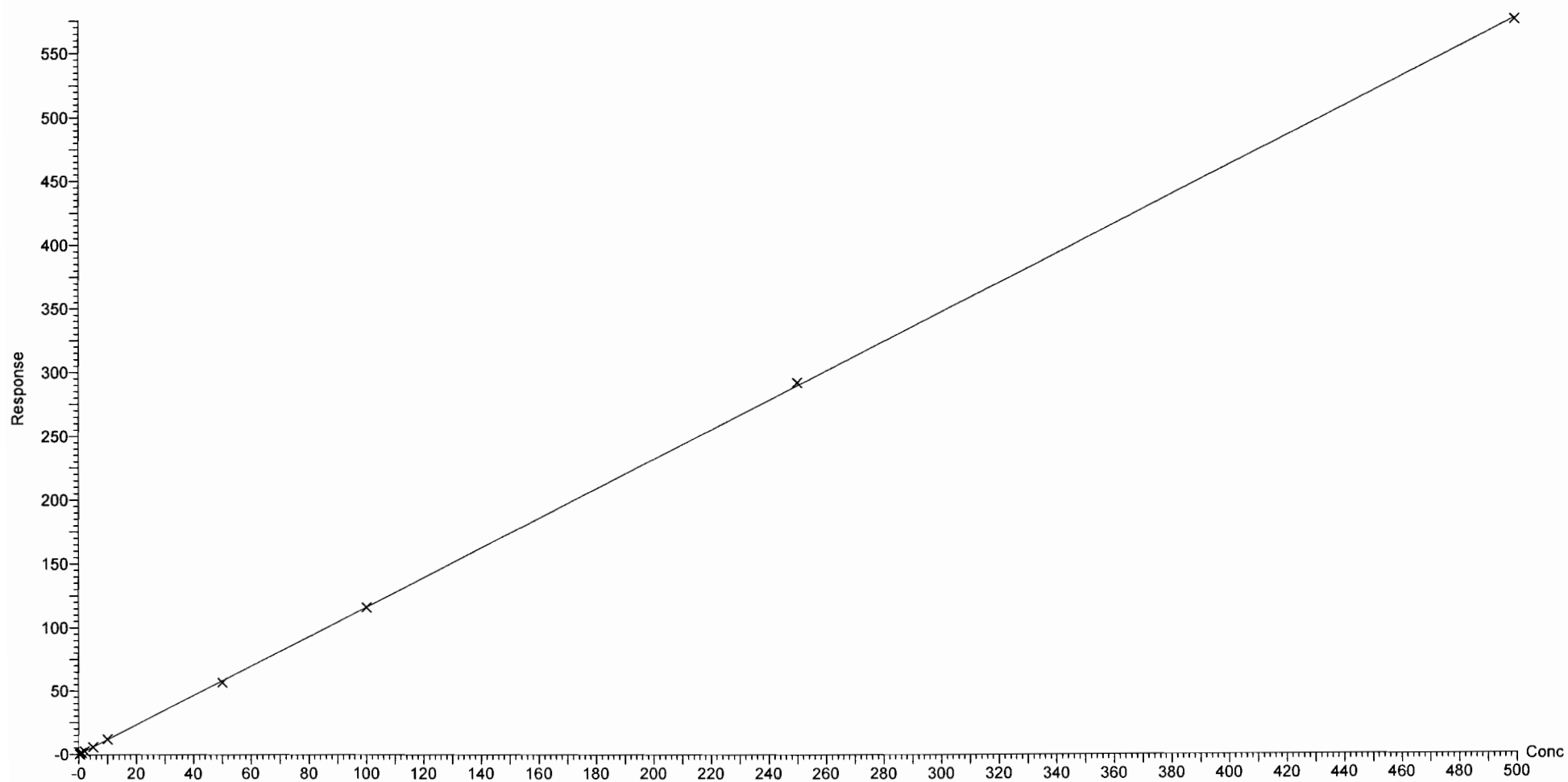
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999933$

Calibration curve: $-2.67046e-005 * x^2 + 1.16422 * x + 0.00144101$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

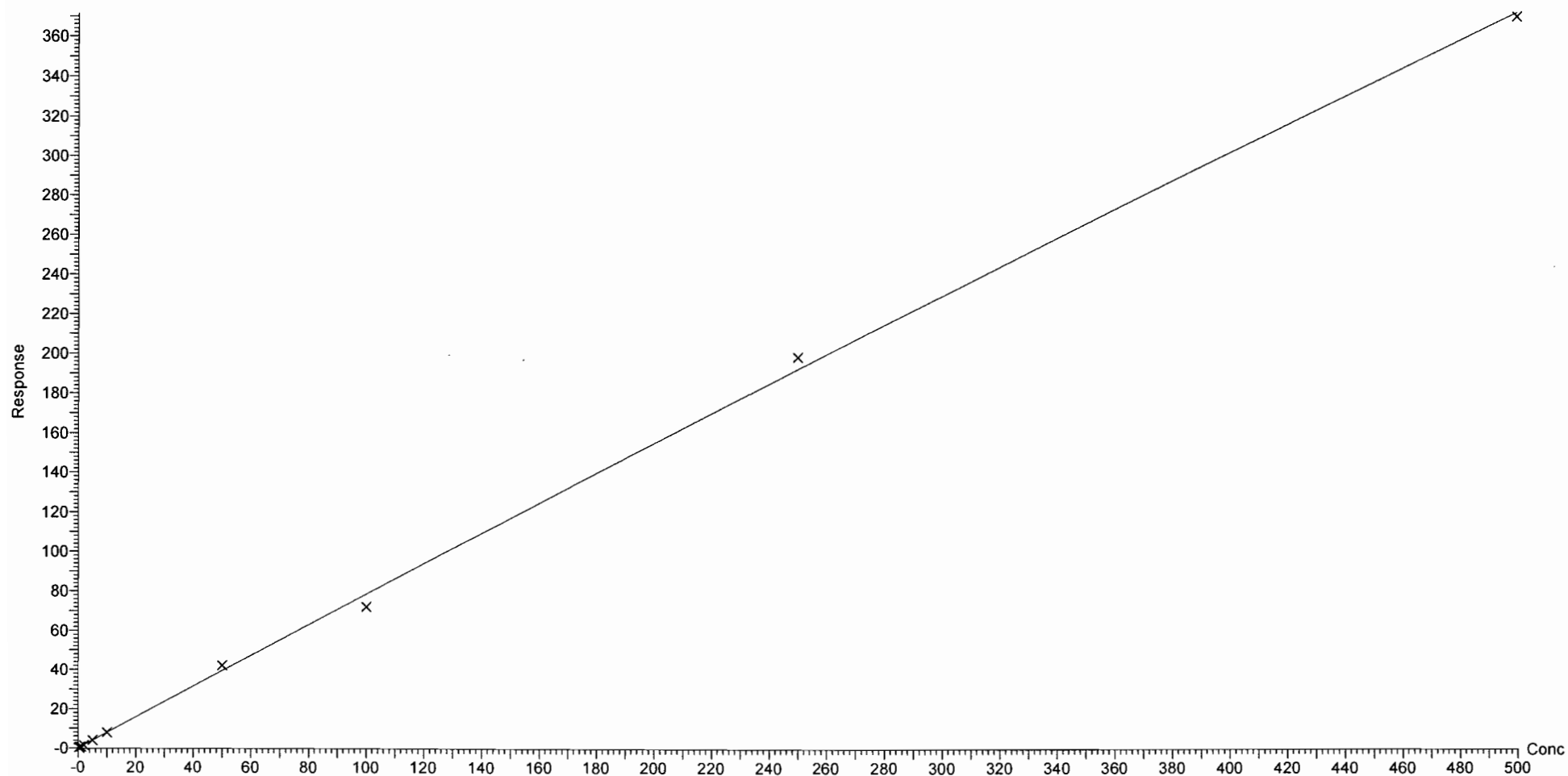
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998538$

Calibration curve: $-0.000105321 * x^2 + 0.795514 * x + 0.014096$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

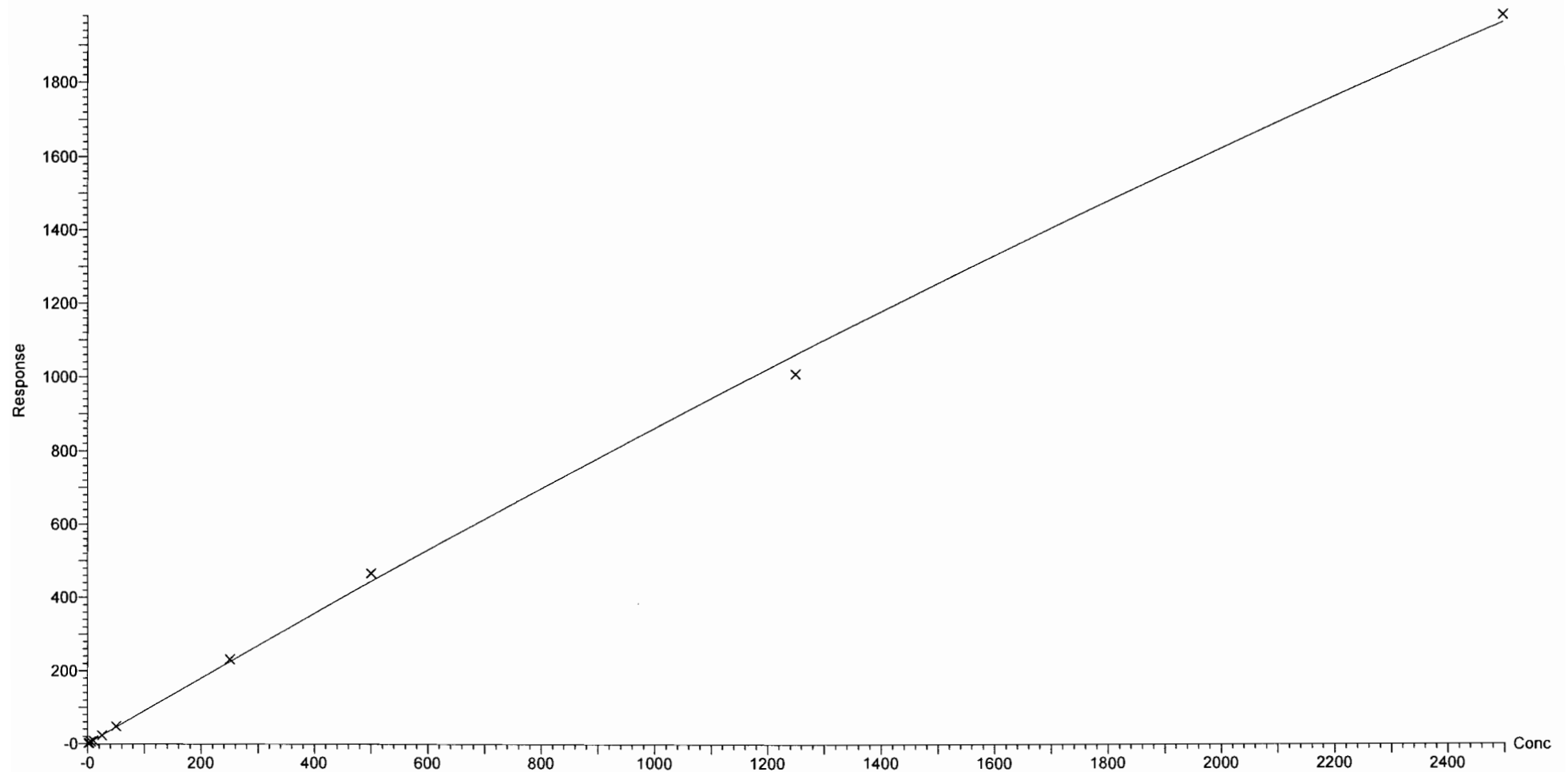
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.998762$

Calibration curve: $-5.1938e-005 * x^2 + 0.913578 * x + 0.0239865$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

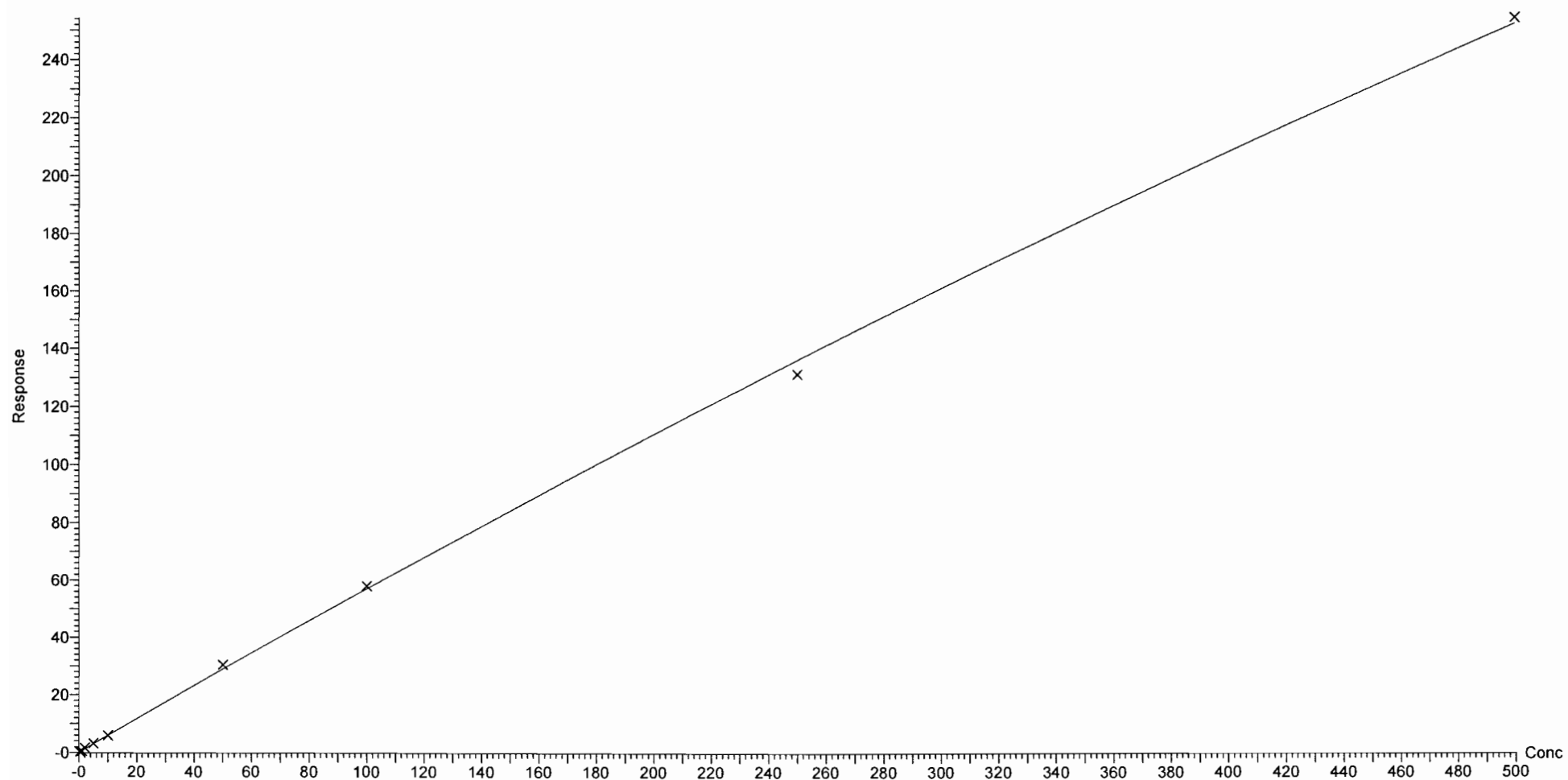
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999058$

Calibration curve: $-0.00016208 * x^2 + 0.584883 * x + 0.0843887$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

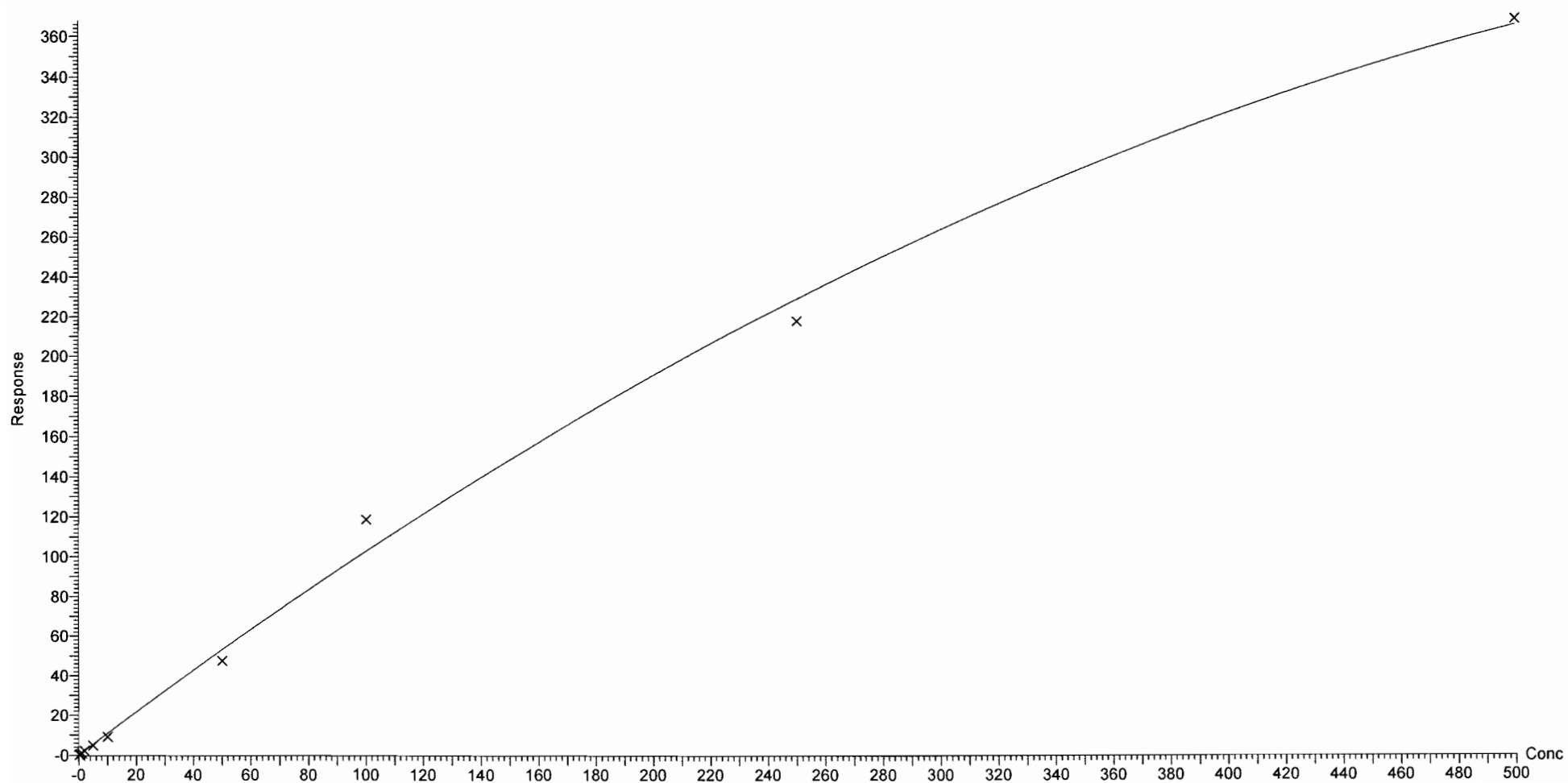
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.993685$

Calibration curve: $-0.000741915 * x^2 + 1.10065 * x + -0.0556132$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

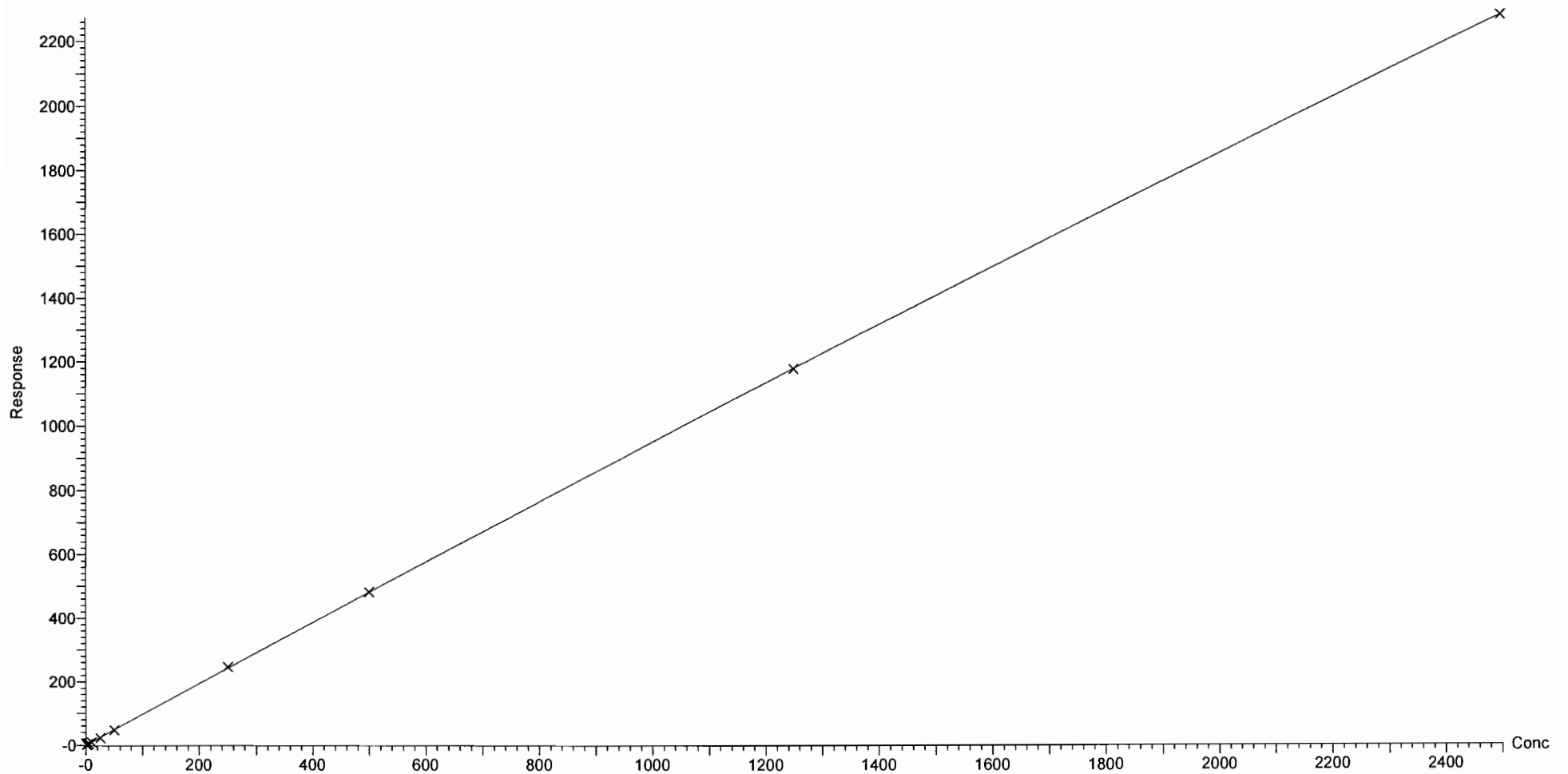
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999913$

Calibration curve: $-2.69005e-005 * x^2 + 0.977055 * x + -0.301675$

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\180726M1\180726M1-CRV.qld

Last Altered: Friday, July 27, 2018 11:18:27 Pacific Daylight Time

Printed: Friday, July 27, 2018 11:19:13 Pacific Daylight Time

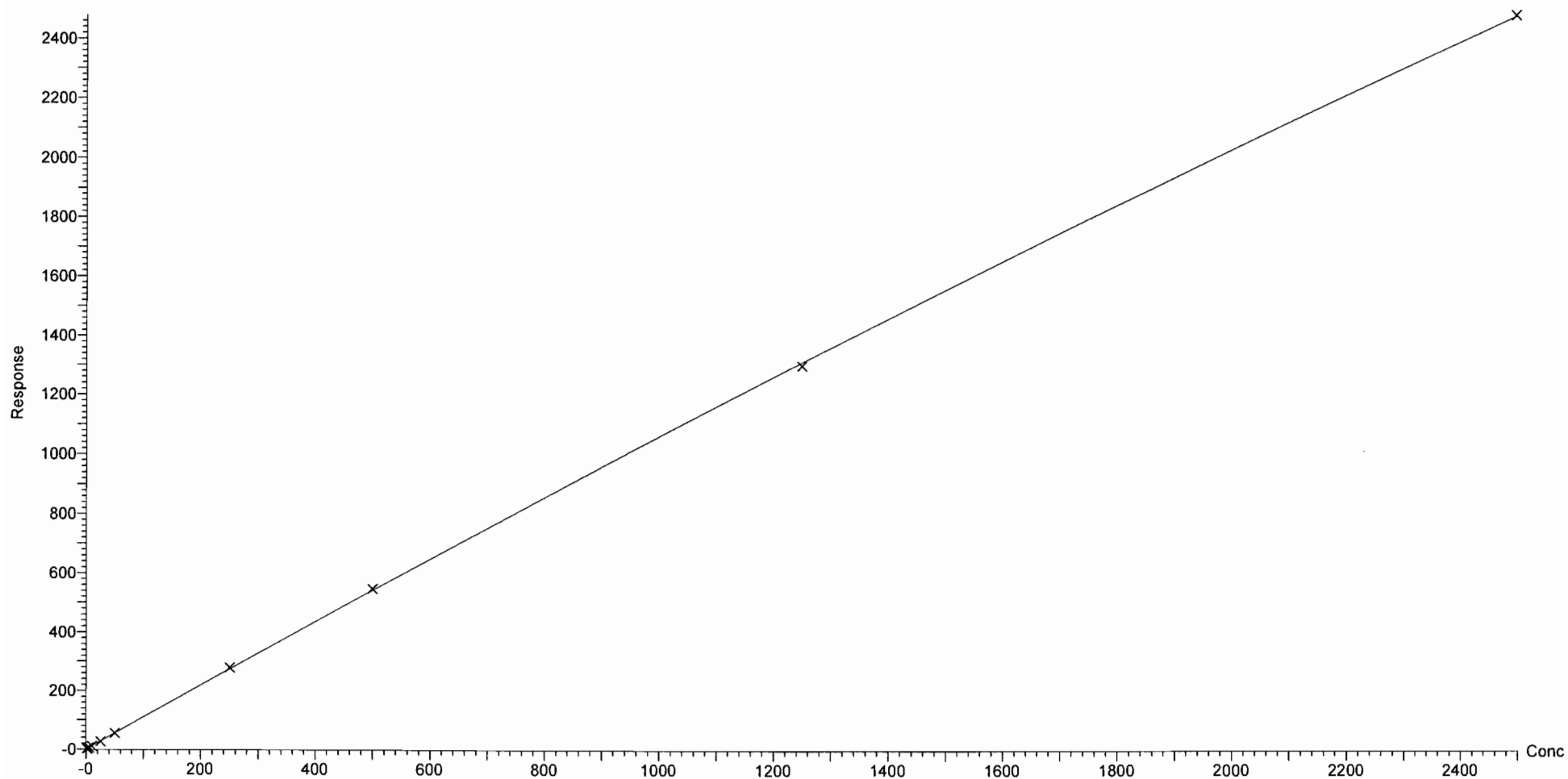
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999923$

Calibration curve: $-4.74203e-005 * x^2 + 1.10787 * x + -0.0757997$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Untitled

Last Altered: Friday, July 27, 2018 09:41:54 Pacific Daylight Time

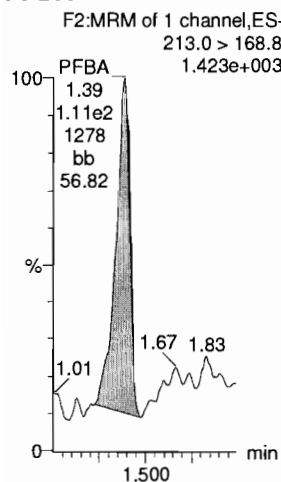
Printed: Friday, July 27, 2018 09:42:13 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_072618.mdb 27 Jul 2018 09:41:52

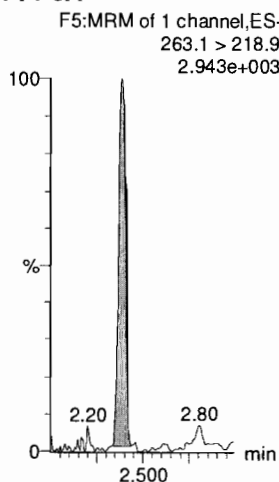
Calibration: 27 Jul 2018 09:39:41

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

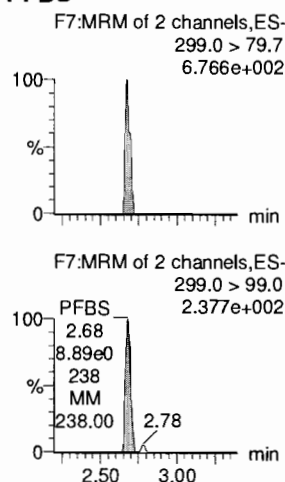
PFBA



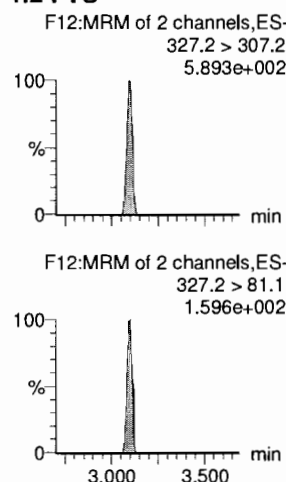
PFPeA



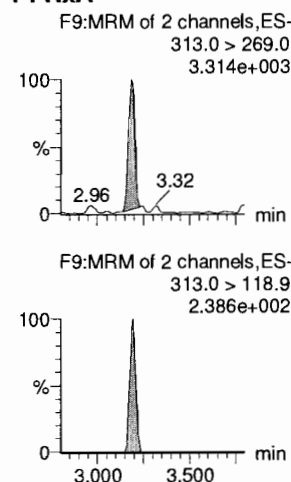
PFBS



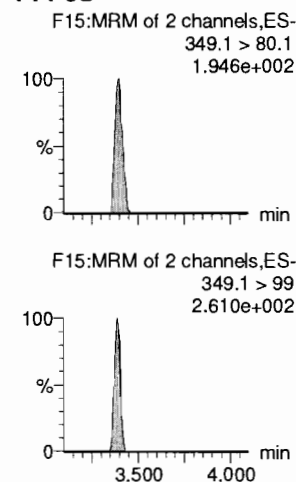
4:2 FTS



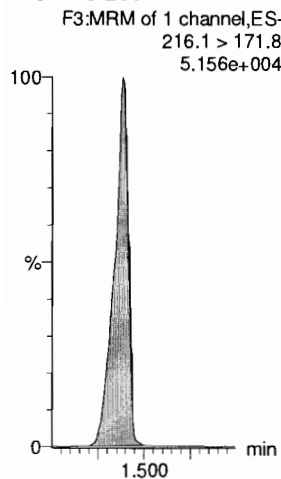
PFHxA



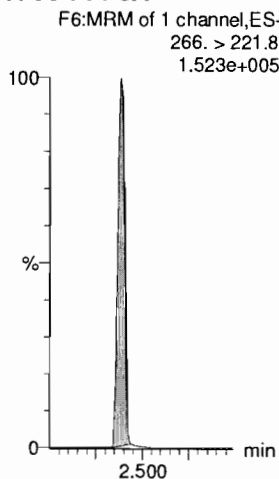
PFPeS



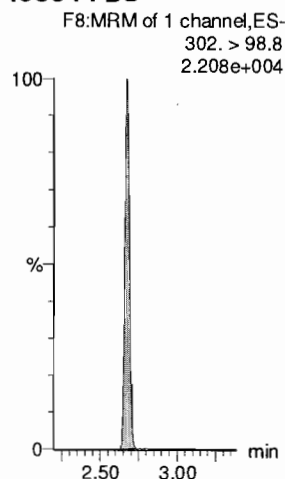
13C3-PFBA



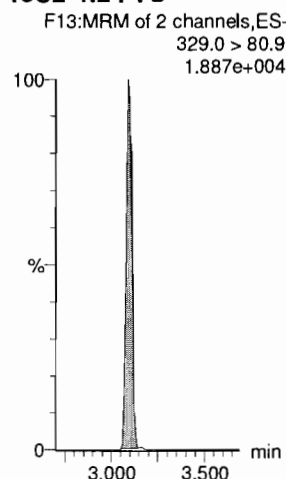
13C3-PFPeA



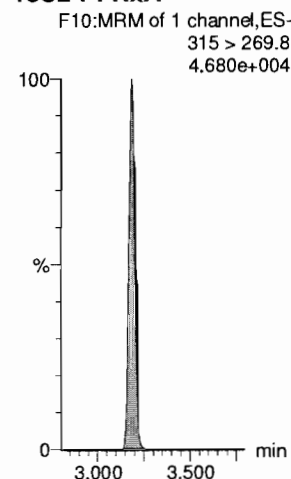
13C3-PFBS



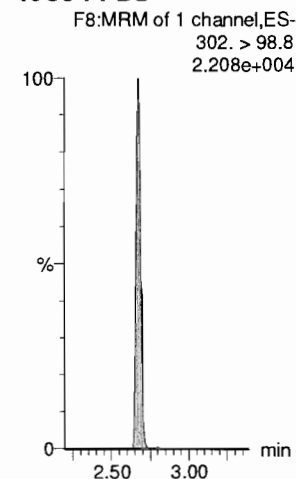
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

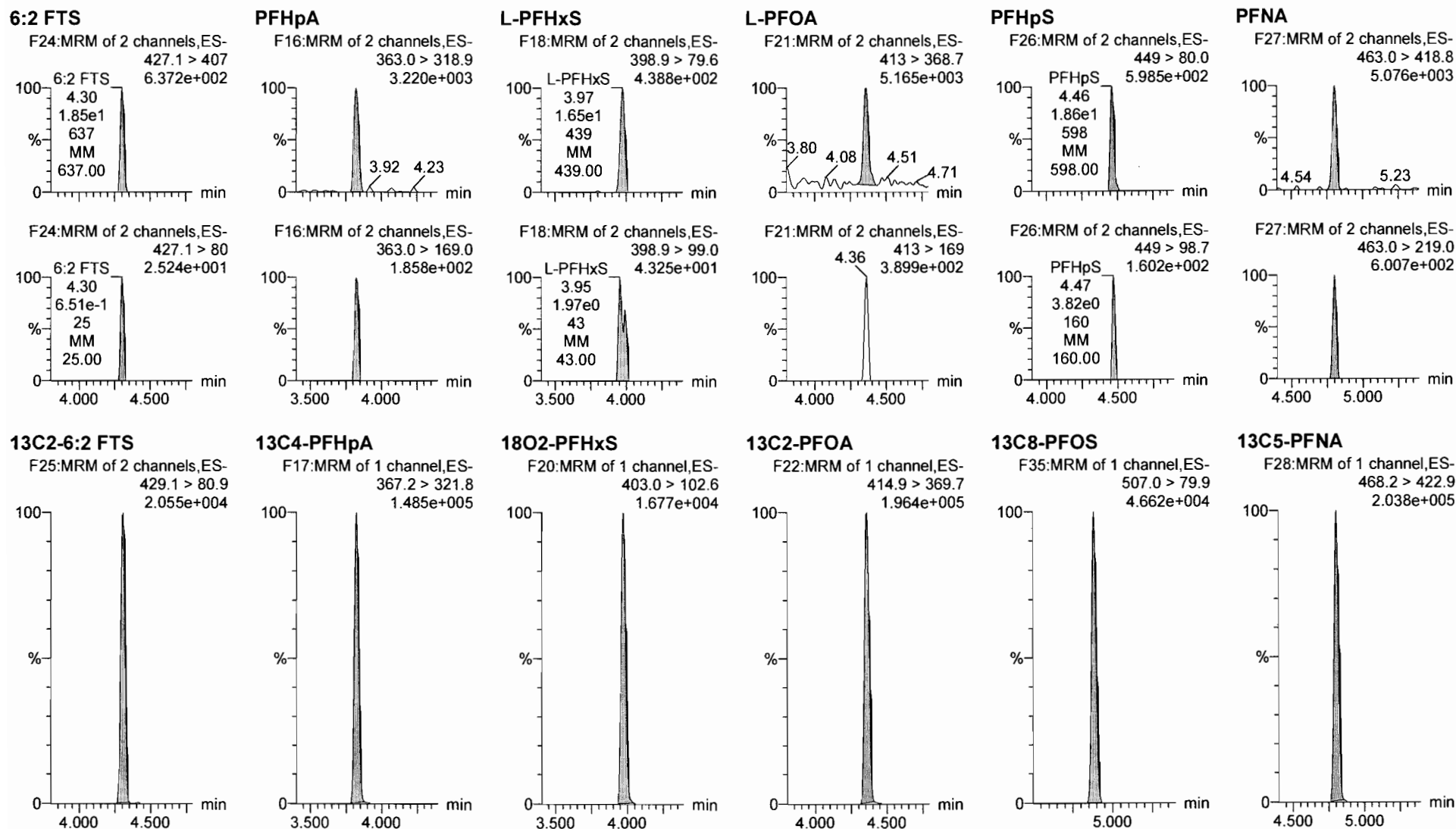


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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910



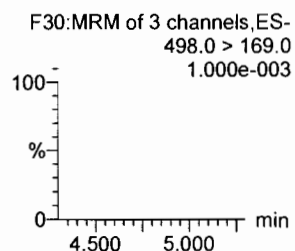
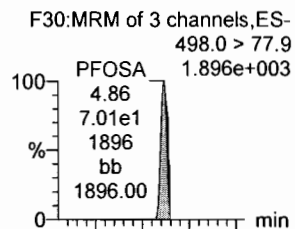
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

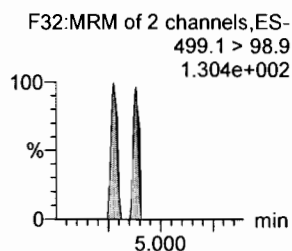
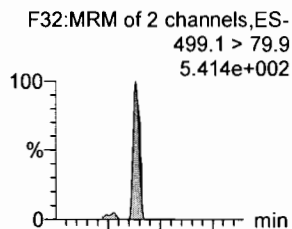
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

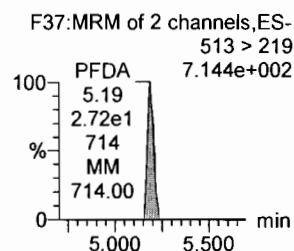
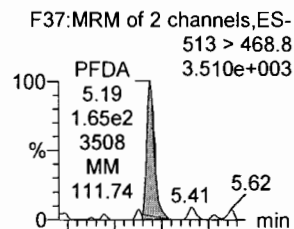
PFOSA



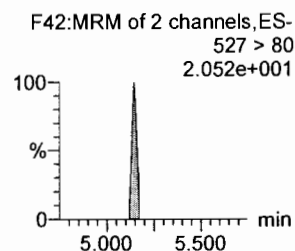
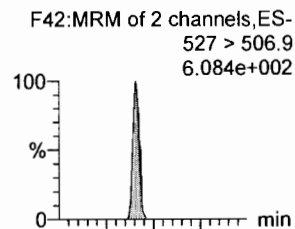
L-PFOS



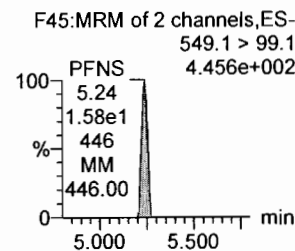
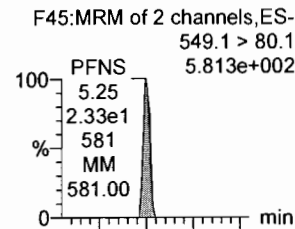
PFDA



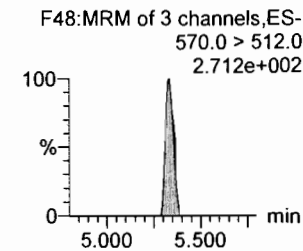
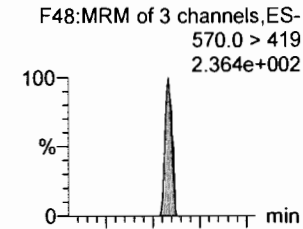
8:2 FTS



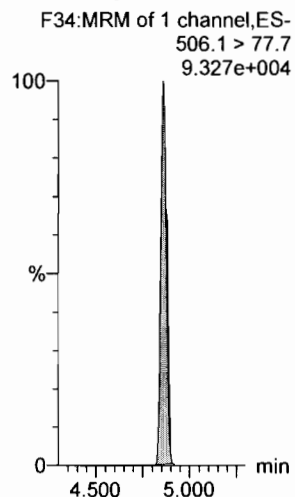
PFNS



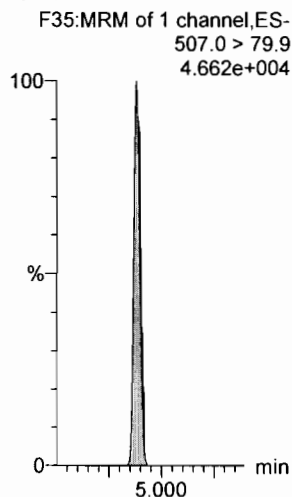
L-MeFOSAA



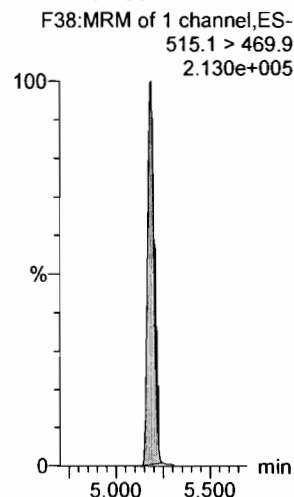
13C8-PFOSA



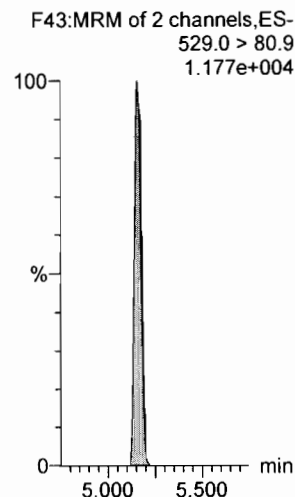
13C8-PFOS



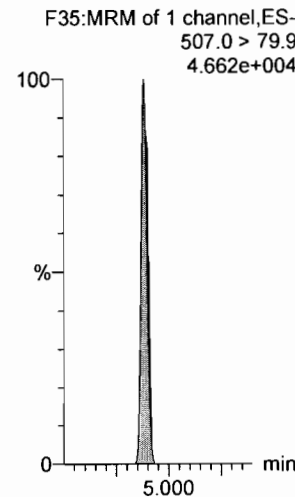
13C2-PFDA



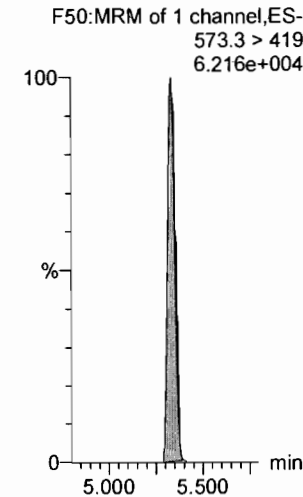
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



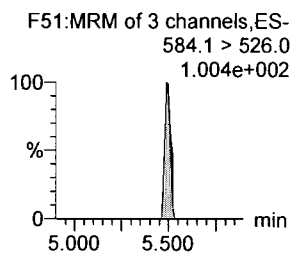
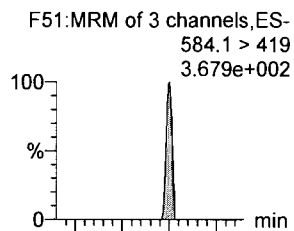
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

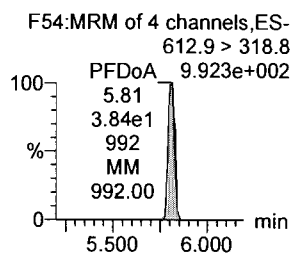
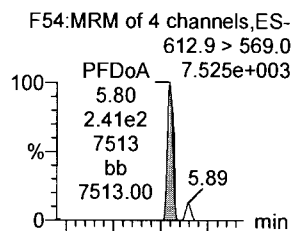
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

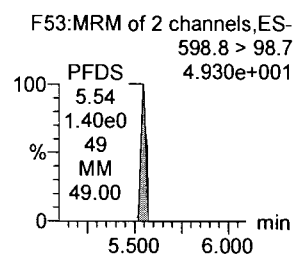
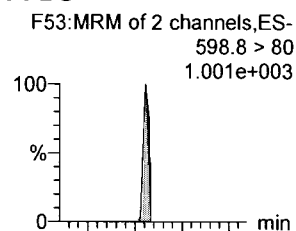
L-EtFOSAA



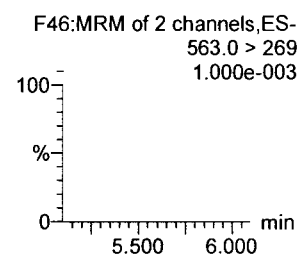
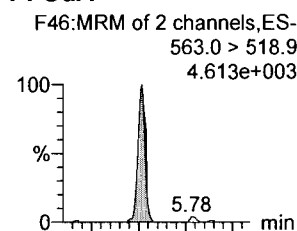
PFDaA



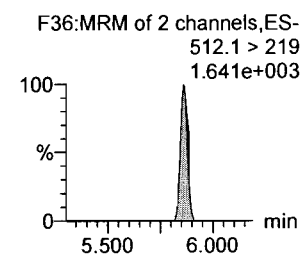
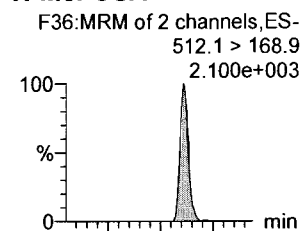
PFDS



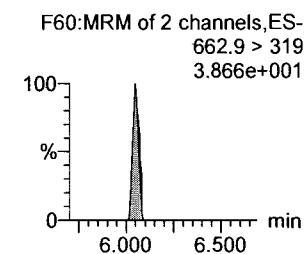
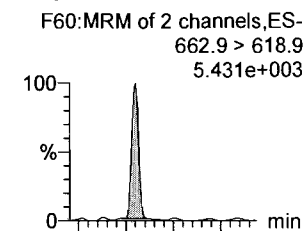
PFUdA



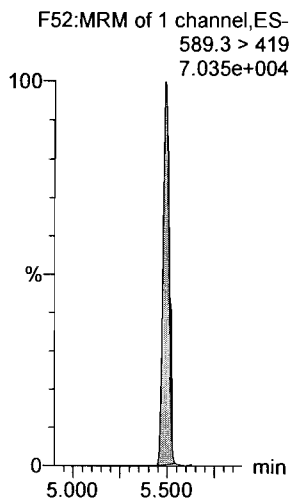
N-MeFOSA



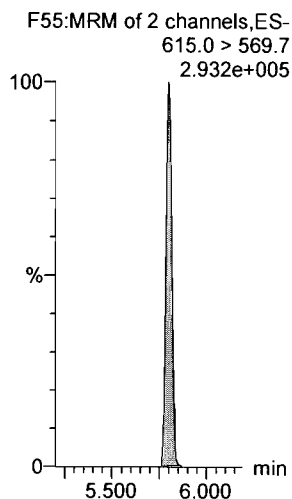
PFTrDA



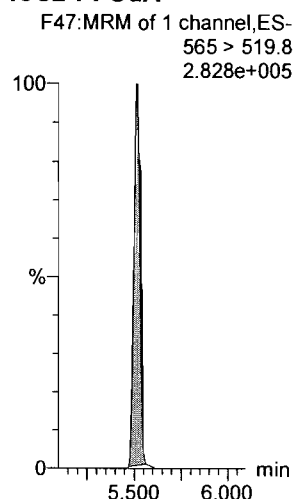
d5-N-EtFOSAA



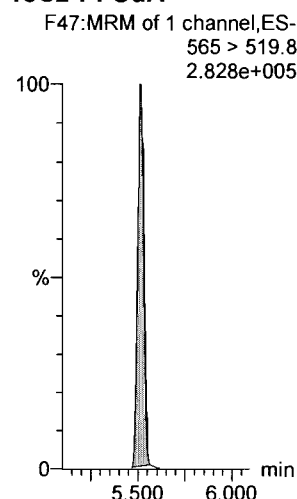
13C2-PFDaA



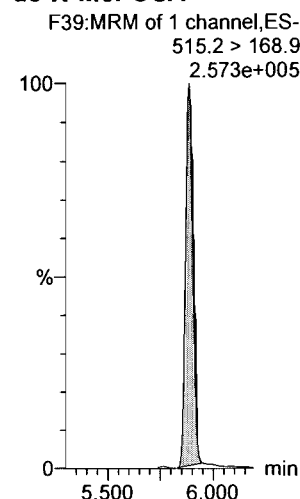
13C2-PFUdA



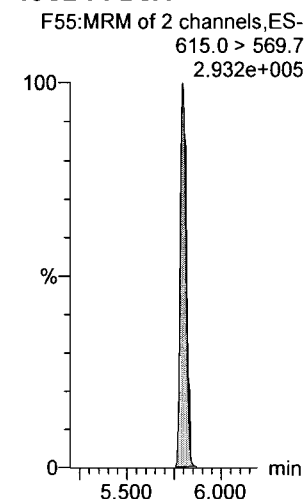
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



Dataset: Untitled

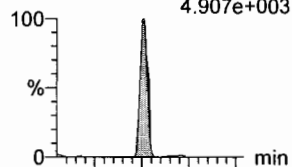
Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

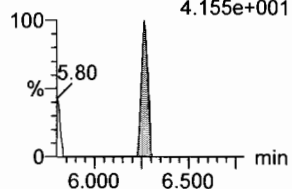
Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
4.907e+003

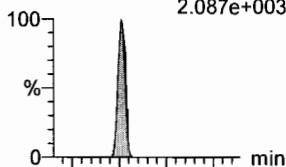


F61:MRM of 2 channels,ES-
712.9 > 369
4.155e+001

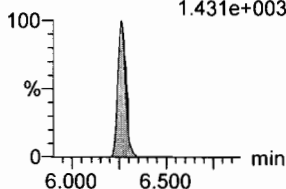


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
2.087e+003

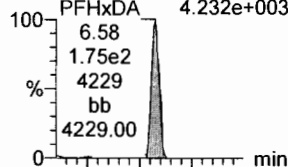


F41:MRM of 2 channels,ES-
526.1 > 219
1.431e+003

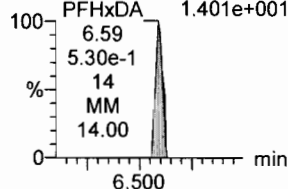


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
4.232e+003

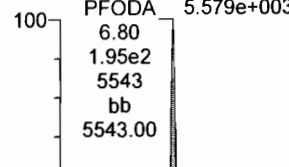


F63:MRM of 2 channels,ES-
813.1 > 219
1.401e+001

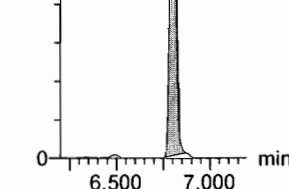


PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
5.579e+003

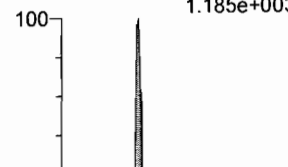


F65:MRM of 1 channel,ES-
913.1 > 868.8
5.579e+003

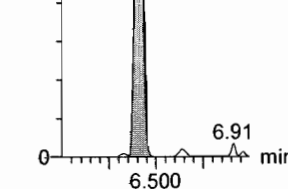


N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.185e+003

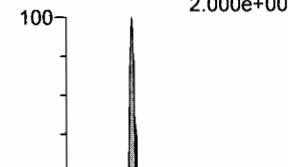


F56:MRM of 1 channel,ES-
616.1 > 58.9
1.185e+003

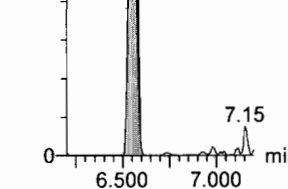


N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.000e+003

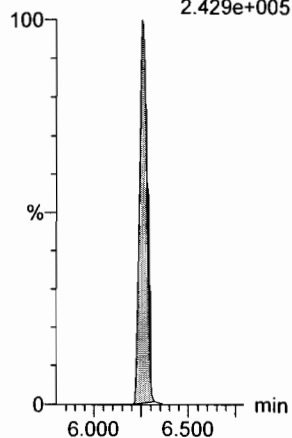


F58:MRM of 1 channel,ES-
630.1 > 58.9
2.000e+003



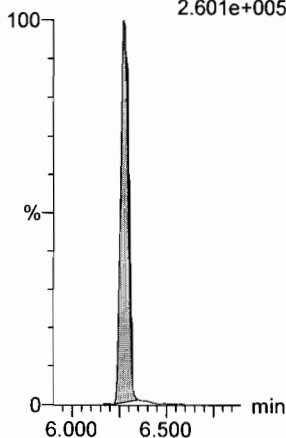
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
2.429e+005



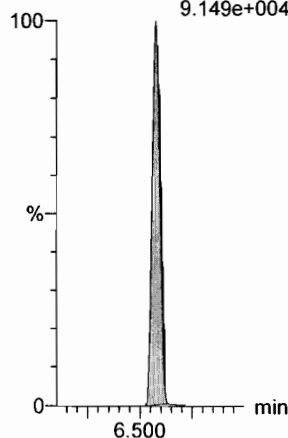
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.601e+005



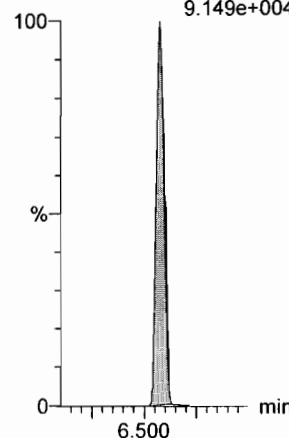
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.149e+004



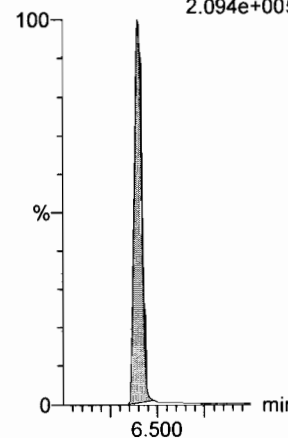
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
9.149e+004



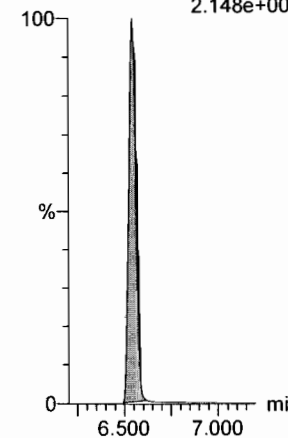
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.094e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.148e+005



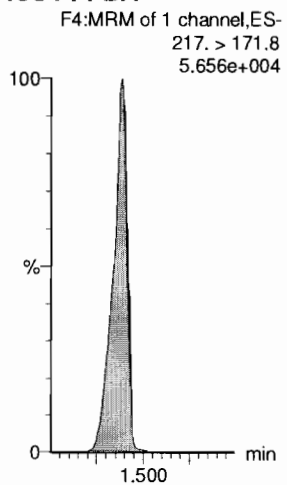
Dataset: Untitled

Last Altered: Friday, July 27, 2018 09:39:41 Pacific Daylight Time

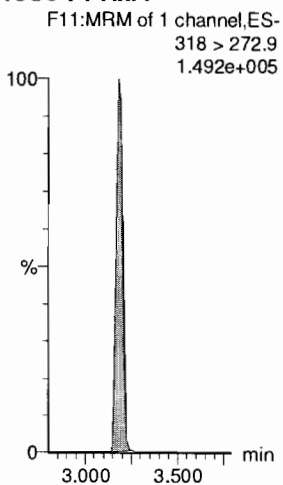
Printed: Friday, July 27, 2018 09:40:23 Pacific Daylight Time

Name: 180726M1_2, Date: 26-Jul-2018, Time: 17:40:07, ID: ST180726M1-1 PFC CS-2 18G1910, Description: PFC CS-2 18G1910

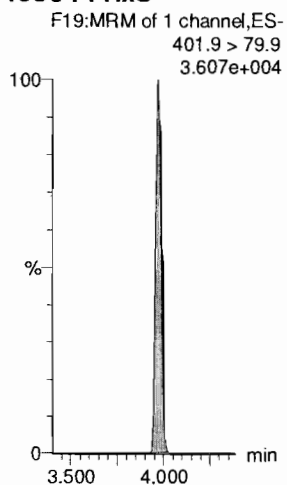
13C4-PFBA



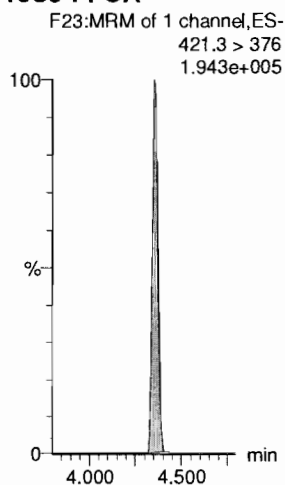
13C5-PFHxA



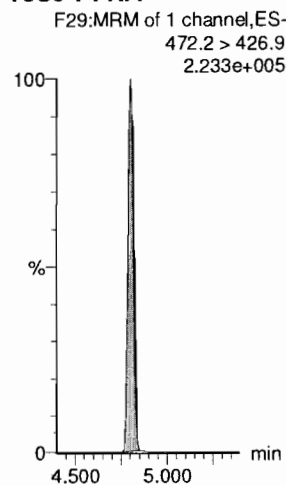
13C3-PFHxS



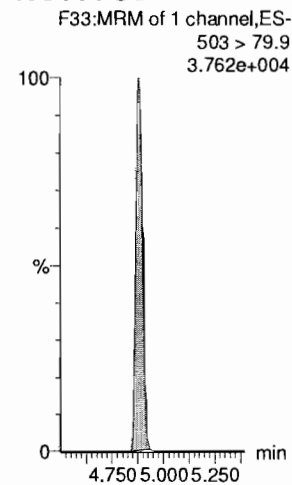
13C8-PFOA



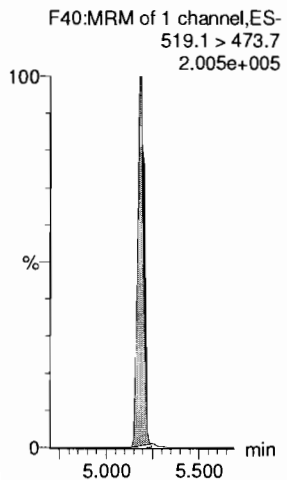
13C9-PFNA



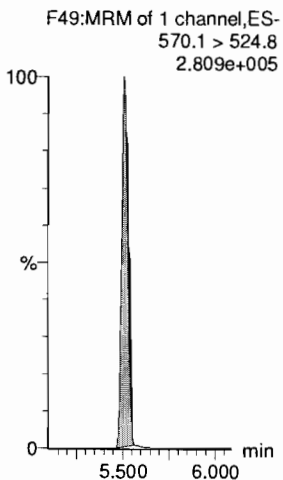
13C4-PFOS



13C6-PFDA



13C7-PFUDa



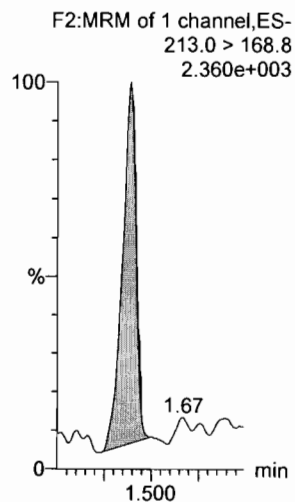
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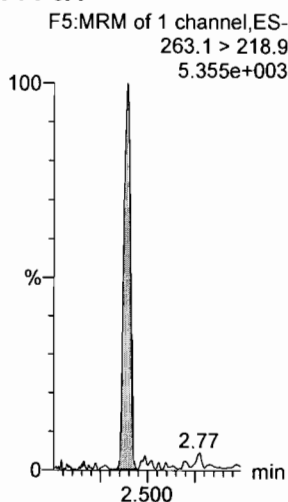
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Name: 180726M1_3, Date: 26-Jul-2018, Time: 17:50:37, ID: ST180726M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

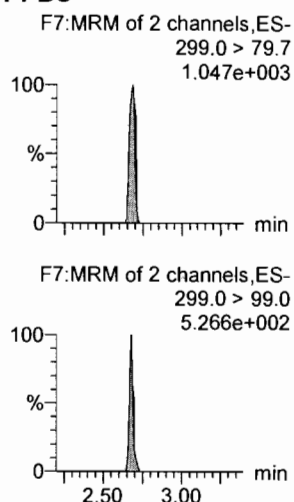
PFBA



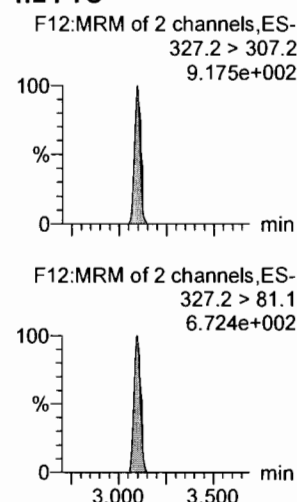
PFPeA



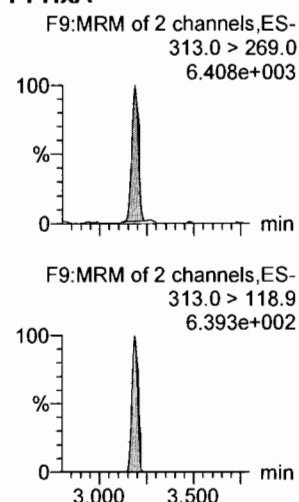
PFBS



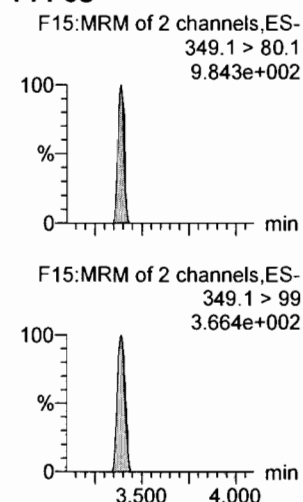
4:2 FTS



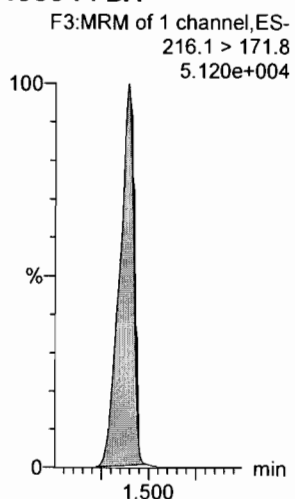
PFHxA



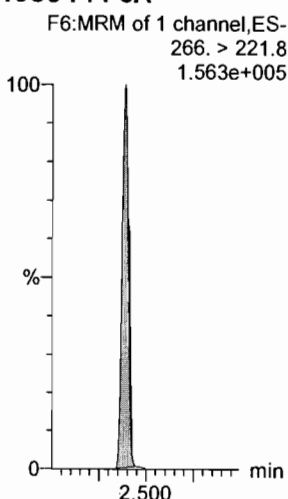
PFPeS



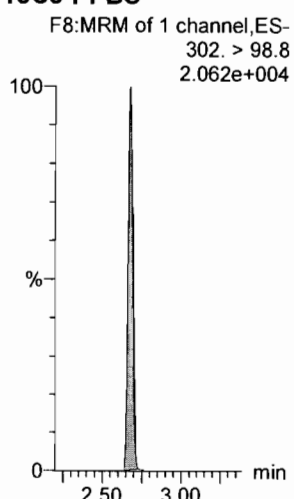
13C3-PFBA



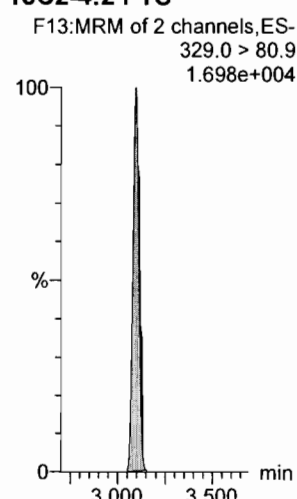
13C3-PFPeA



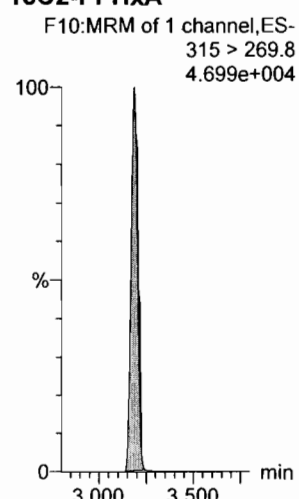
13C3-PFBS



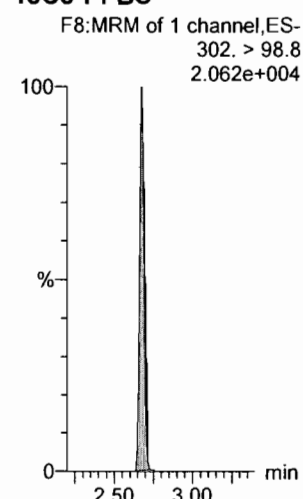
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

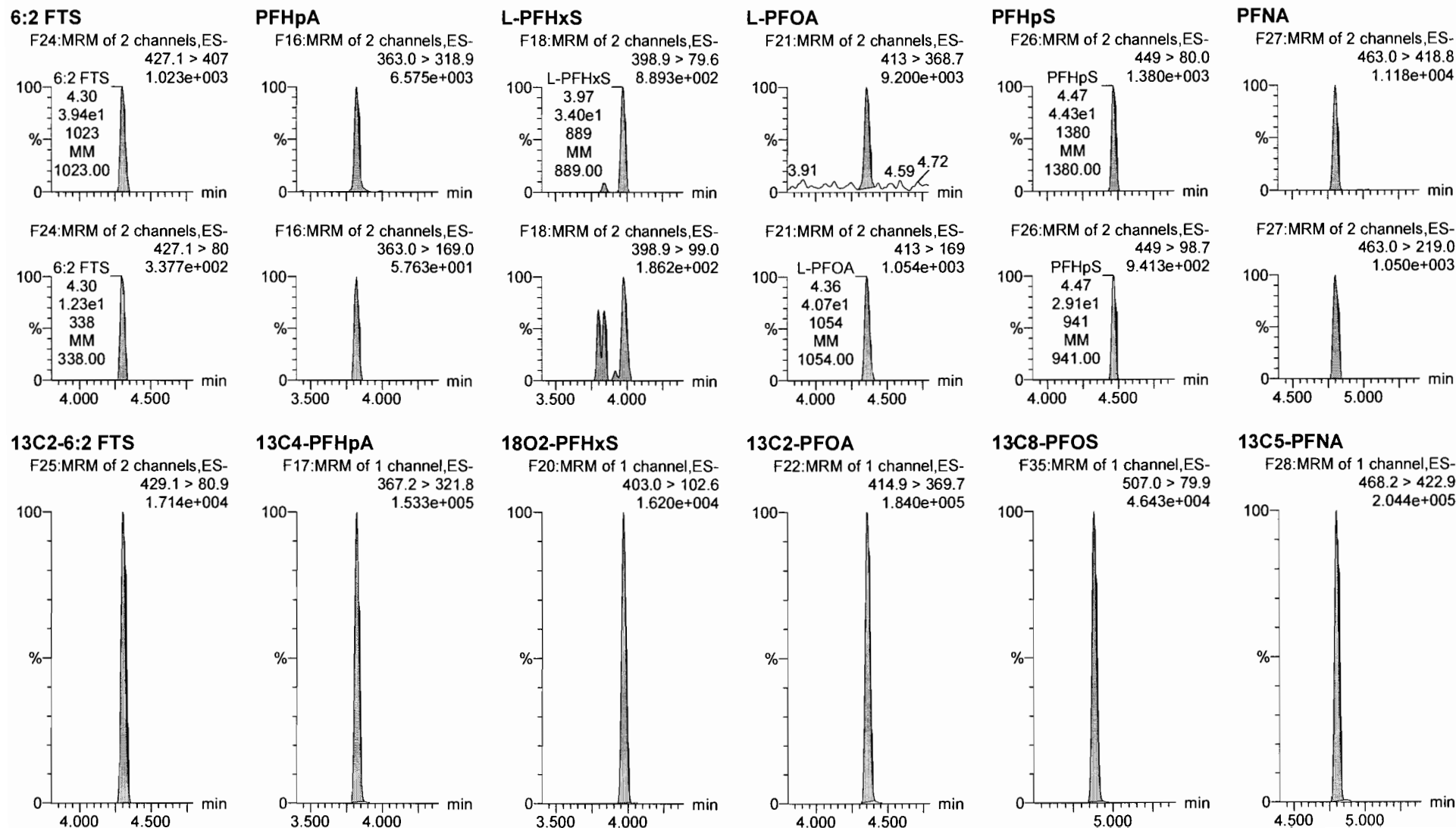


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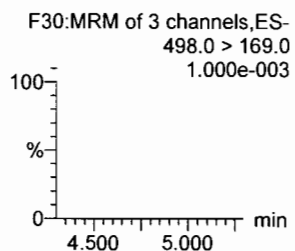
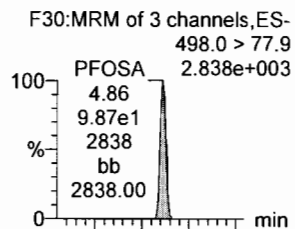
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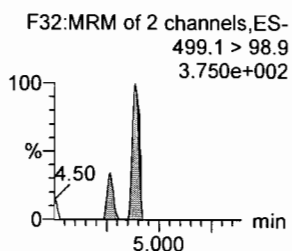
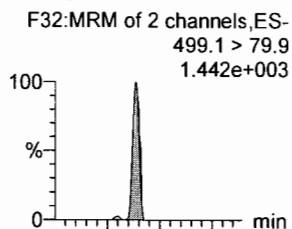
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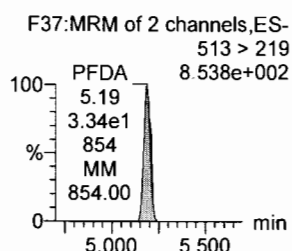
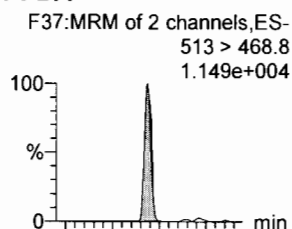
PFOSA



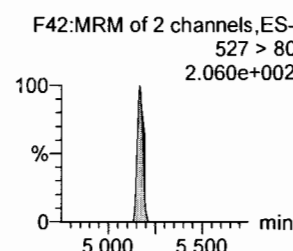
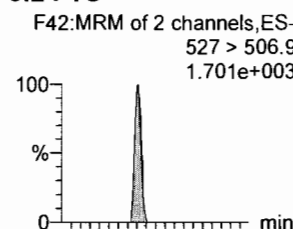
L-PFOS



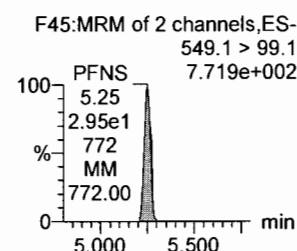
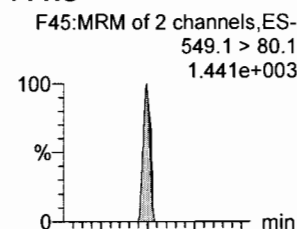
PFDA



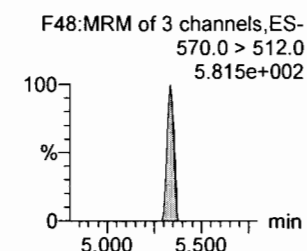
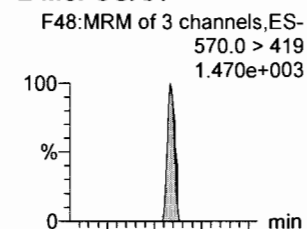
8:2 FTS



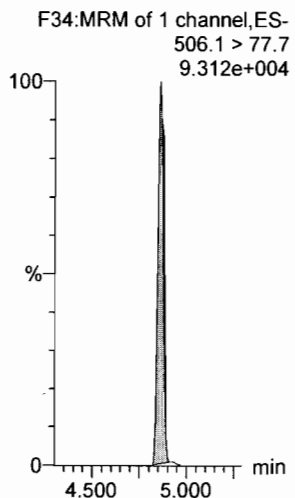
PFNS



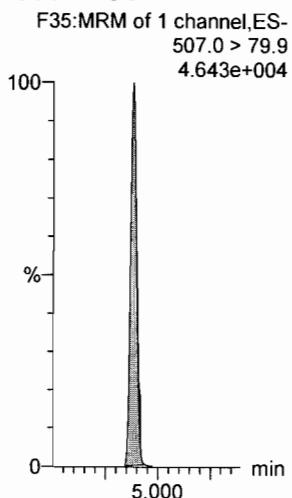
L-MeFOSAA



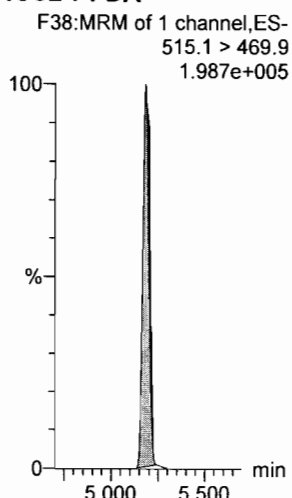
13C8-PFOSA



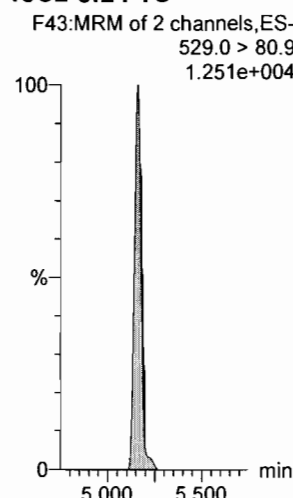
13C8-PFOS



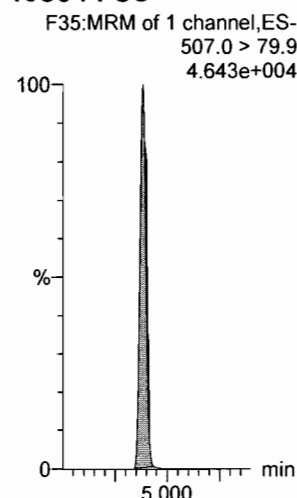
13C2-PFDA



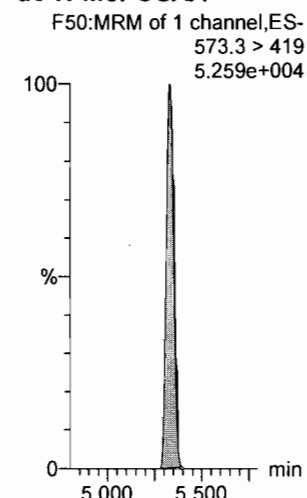
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: Untitled

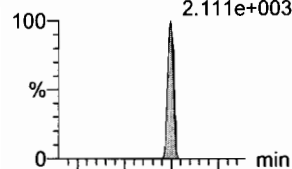
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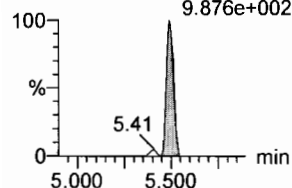
Name: 180726M1_3, Date: 26-Jul-2018, Time: 17:50:37, ID: ST180726M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

L-EtFOSAA

F51:MRM of 3 channels,ES-
584.1 > 419
2.111e+003

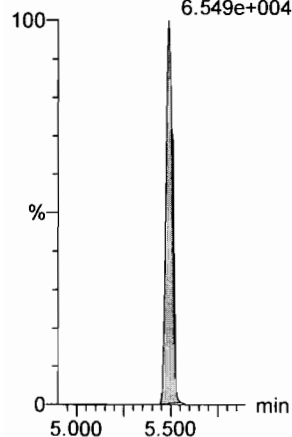


F51:MRM of 3 channels,ES-
584.1 > 526.0
9.876e+002



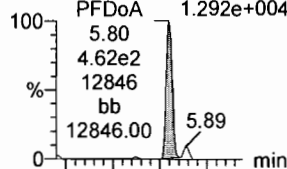
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
6.549e+004

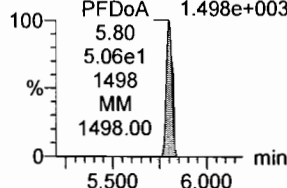


PFDaA

F54:MRM of 4 channels,ES-
612.9 > 569.0
1.292e+004

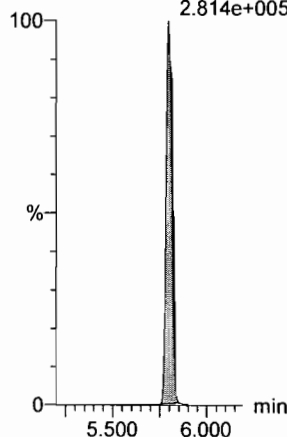


F54:MRM of 4 channels,ES-
612.9 > 318.8
1.498e+003



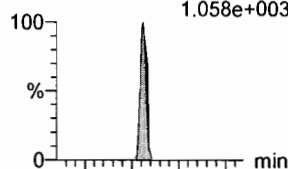
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.814e+005

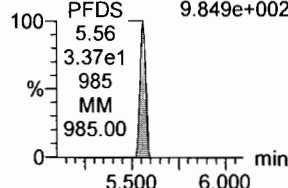


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
1.058e+003

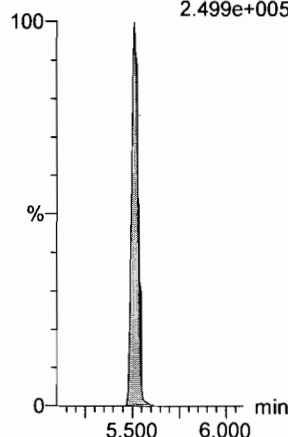


F53:MRM of 2 channels,ES-
598.8 > 98.7
9.849e+002



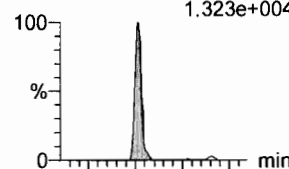
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.499e+005

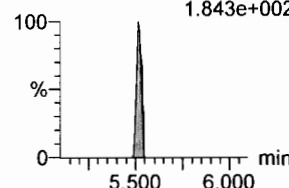


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.323e+004

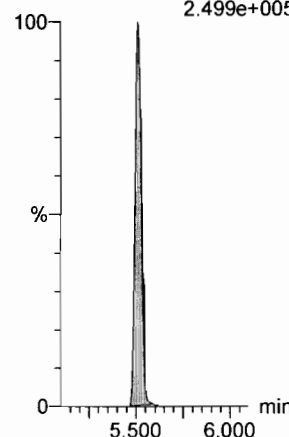


F46:MRM of 2 channels,ES-
563.0 > 269
1.843e+002



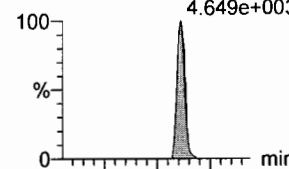
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.499e+005

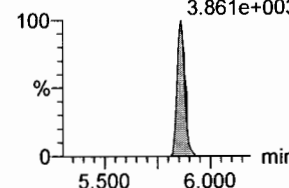


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
4.649e+003

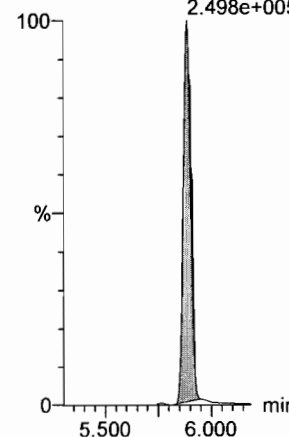


F36:MRM of 2 channels,ES-
512.1 > 219
3.861e+003



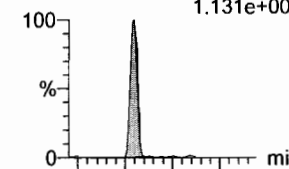
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.498e+005

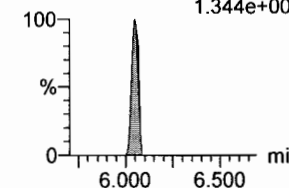


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
1.131e+004

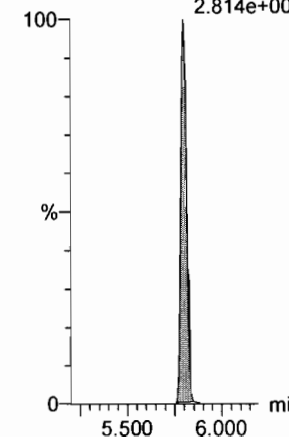


F60:MRM of 2 channels,ES-
662.9 > 319
1.344e+002



13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.814e+005



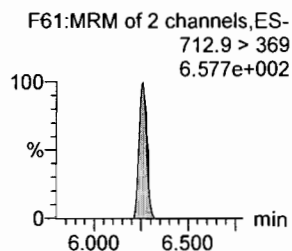
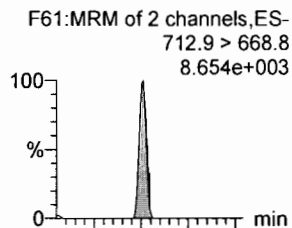
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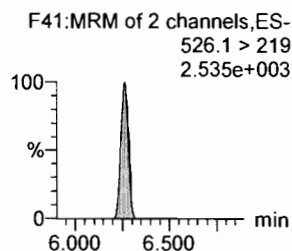
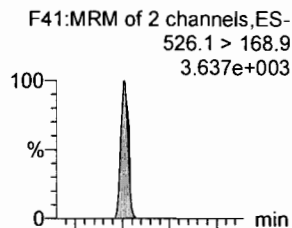
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Name: 180726M1_3, Date: 26-Jul-2018, Time: 17:50:37, ID: ST180726M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

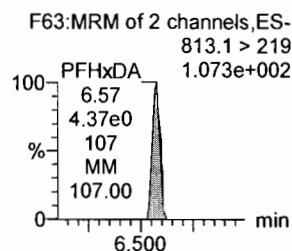
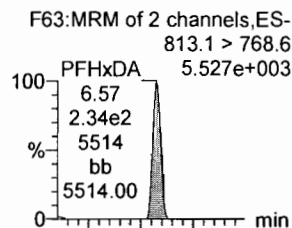
PFTeDA



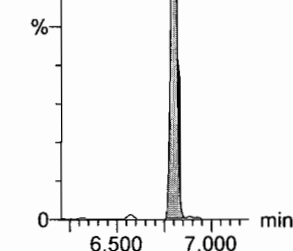
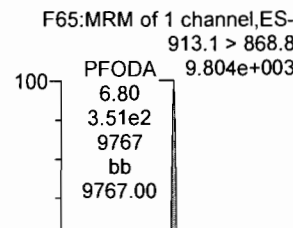
N-EtFOSA



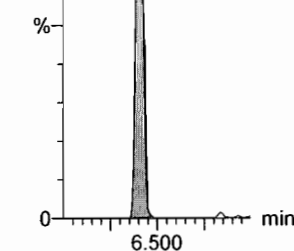
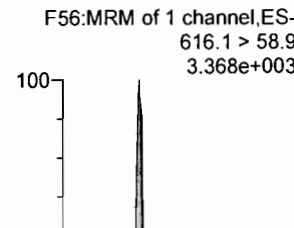
PFHxDA



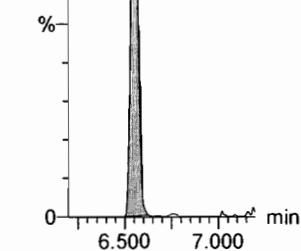
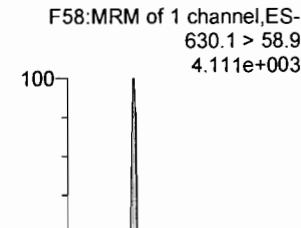
PFODA



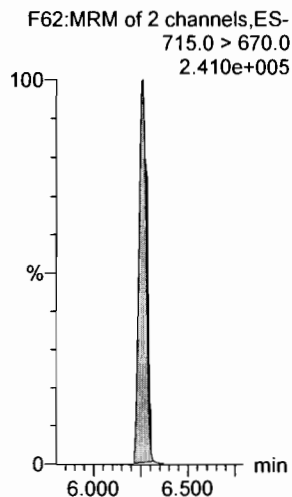
N-MeFOSE



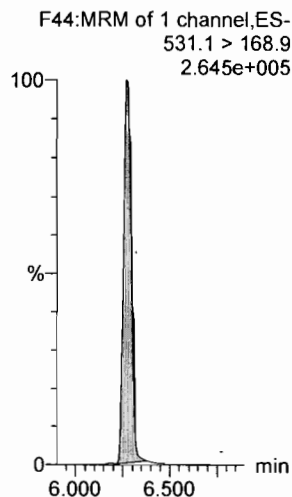
N-EtFOSE



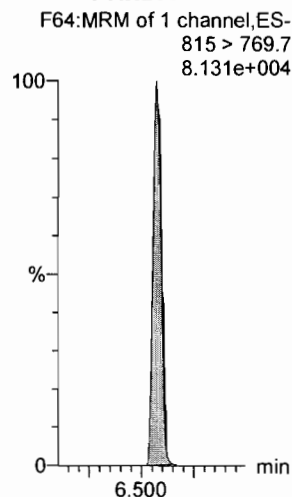
13C2-PFTeDA



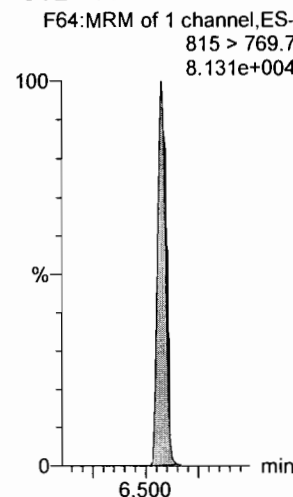
d5-N-ETFOSE



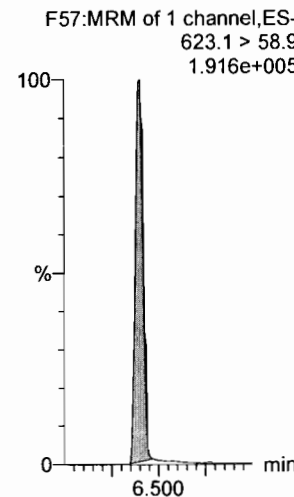
13C2-PFHxDA



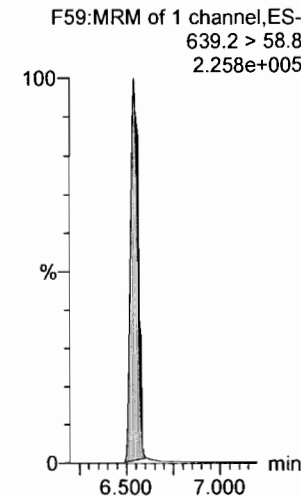
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Untitled

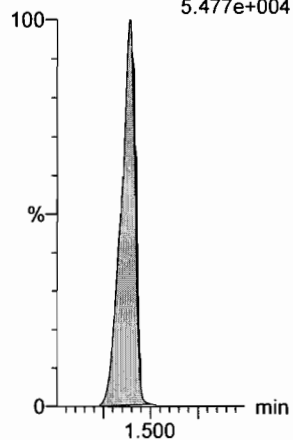
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Name: 180726M1_3, Date: 26-Jul-2018, Time: 17:50:37, ID: ST180726M1-2 PFC CS-1 18G1911, Description: PFC CS-1 18G1911

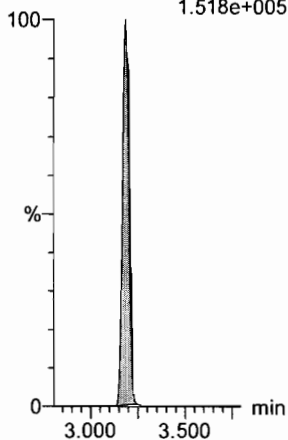
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.477e+004



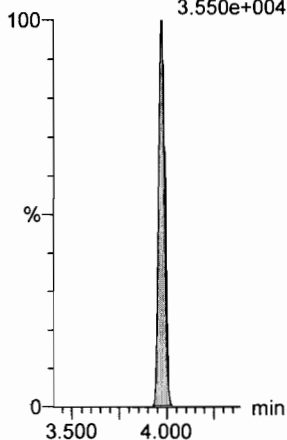
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.518e+005



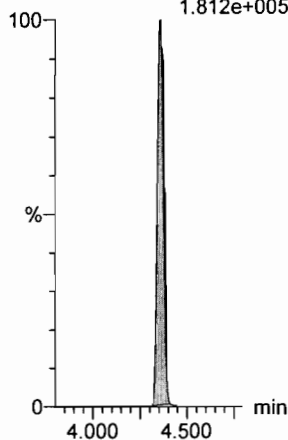
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.550e+004



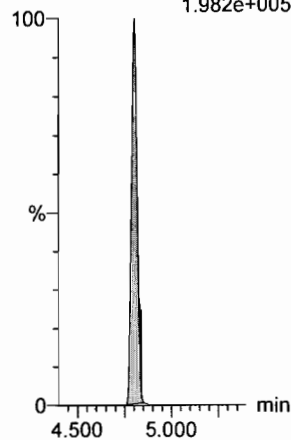
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.812e+005



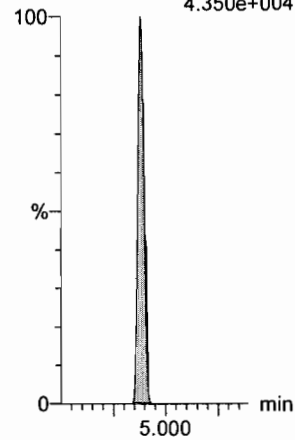
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.982e+005



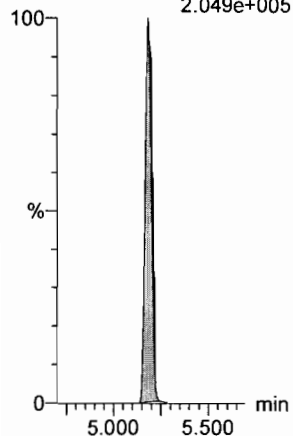
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.350e+004



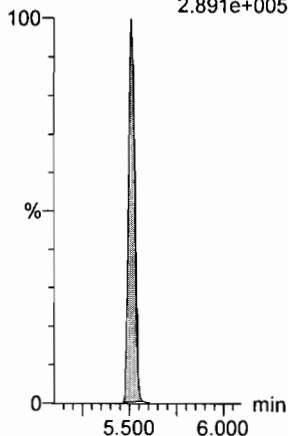
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.049e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.891e+005



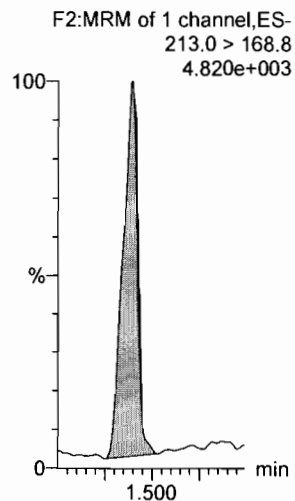
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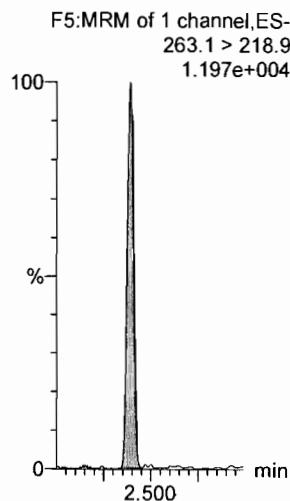
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Name: 180726M1_4, Date: 26-Jul-2018, Time: 18:01:07, ID: ST180726M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

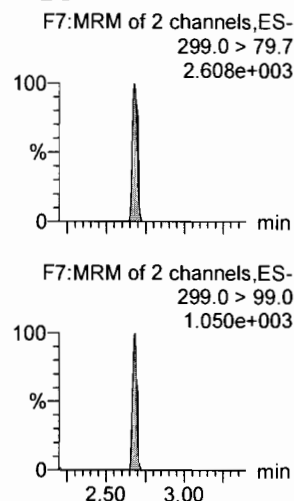
PFBA



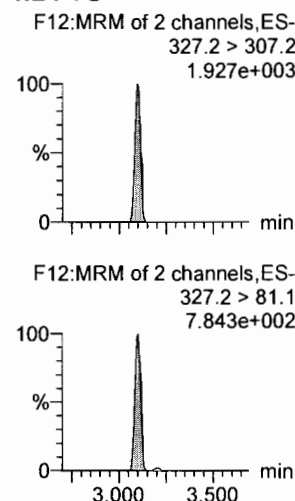
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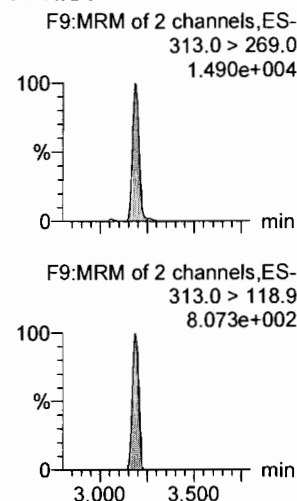
PFBS



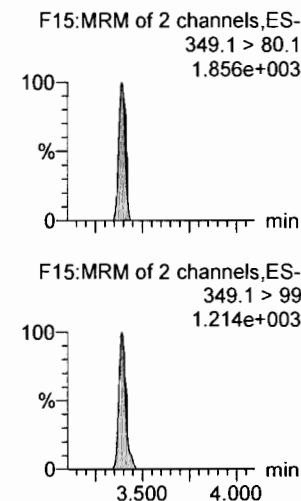
4:2 FTS



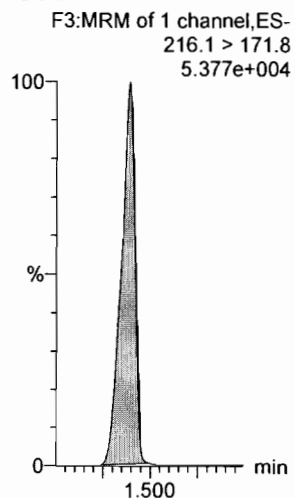
PFHxA



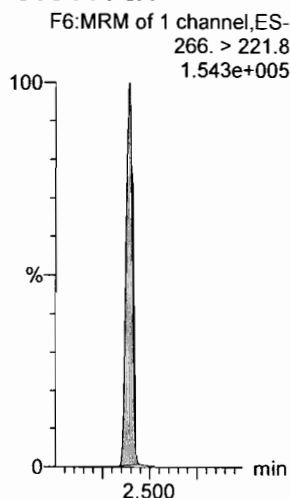
PFPeS



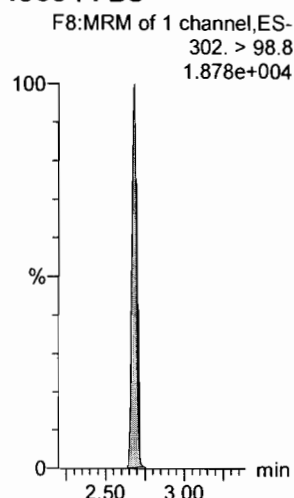
13C3-PFBA



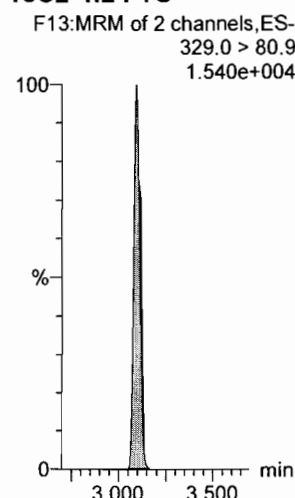
13C3-PFPeA



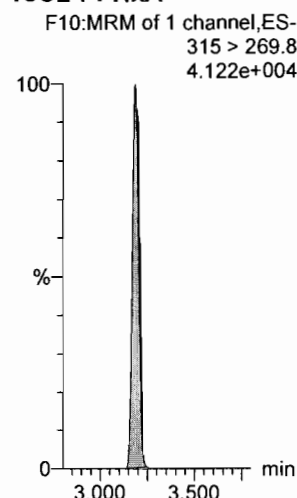
13C3-PFBS



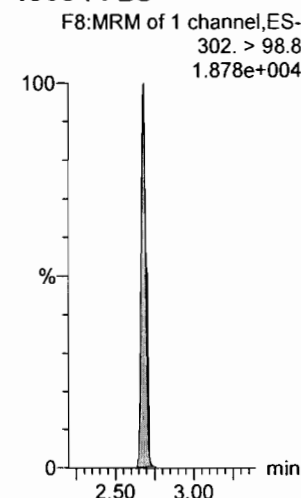
13C2-4:2 FTS



13C2-PFHxA



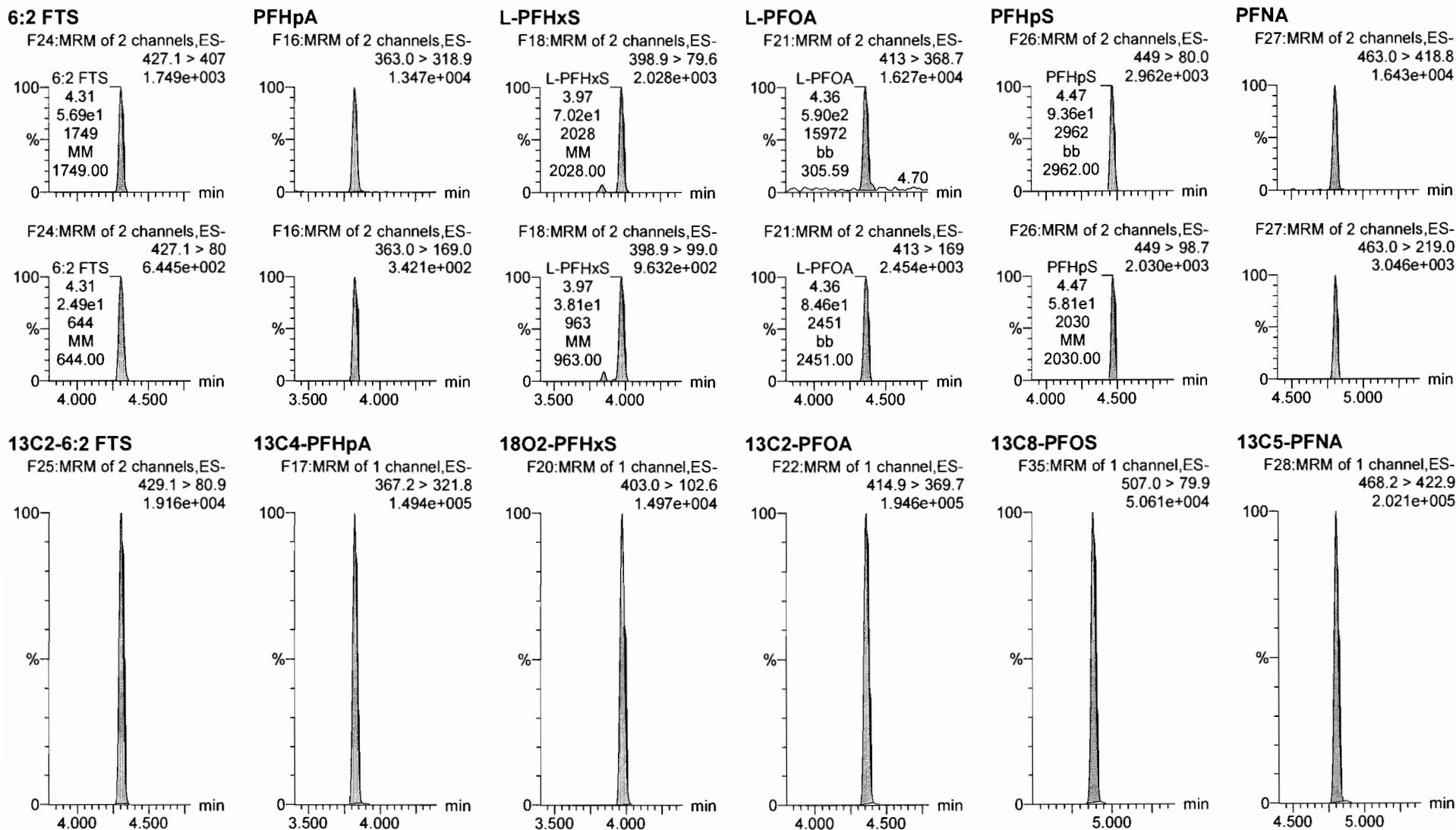
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time
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Name: 180726M1_4, Date: 26-Jul-2018, Time: 18:01:07, ID: ST180726M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912



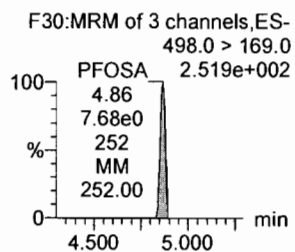
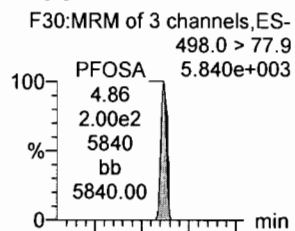
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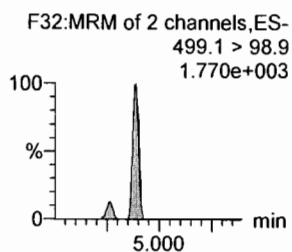
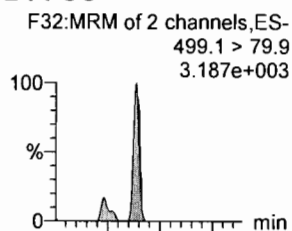
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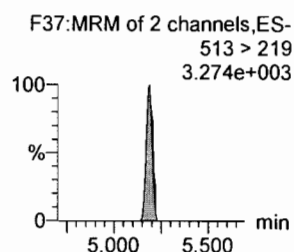
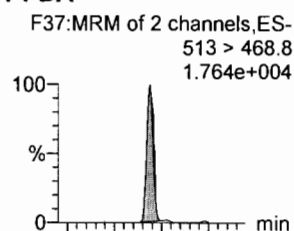
PFOSA



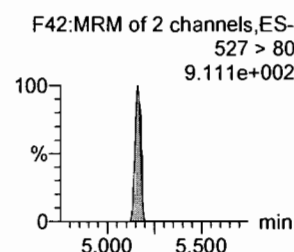
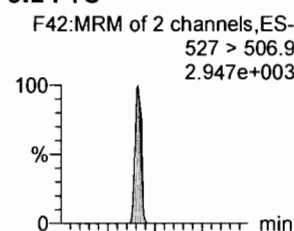
L-PFOS



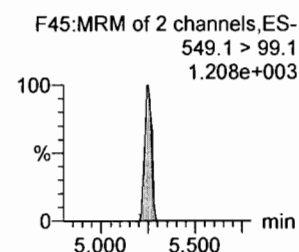
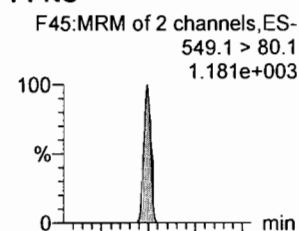
PFDA



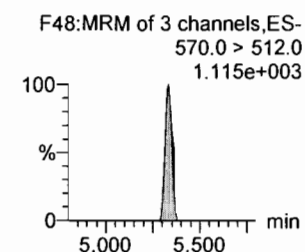
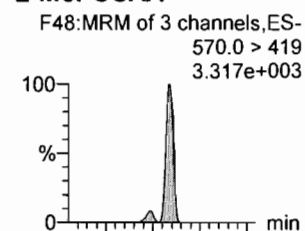
8:2 FTS



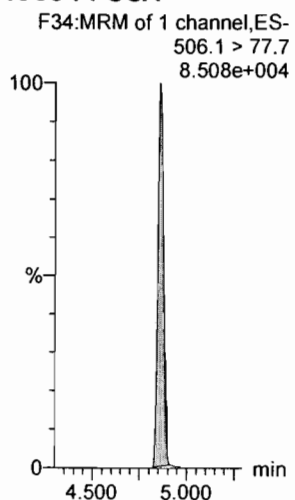
PFNS



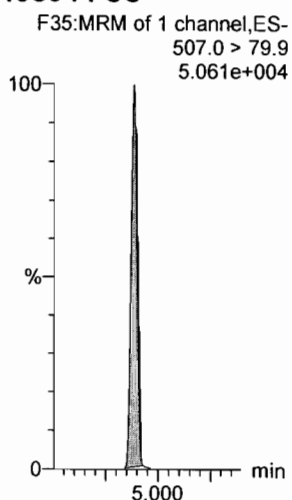
L-MeFOSAA



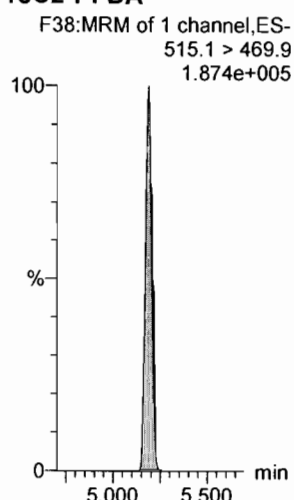
13C8-PFOSA



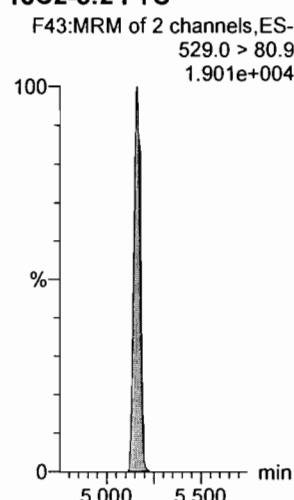
13C8-PFOS



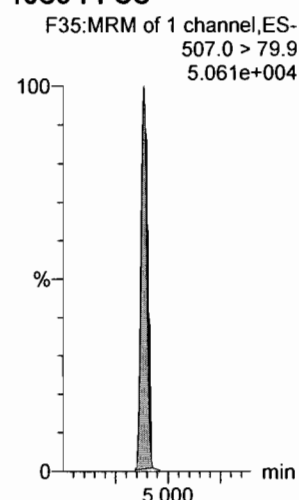
13C2-PFDA



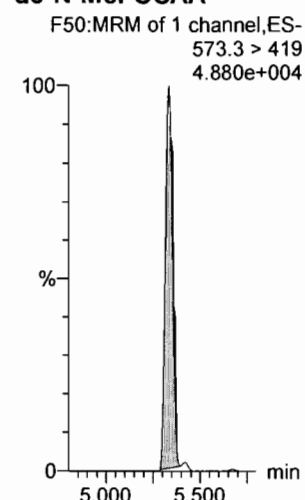
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



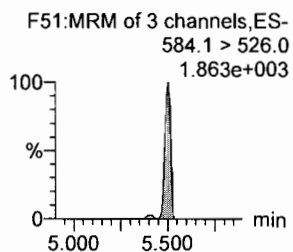
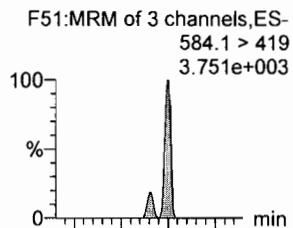
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

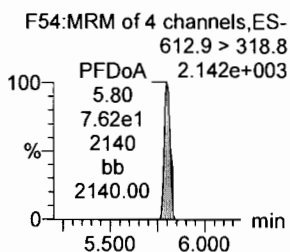
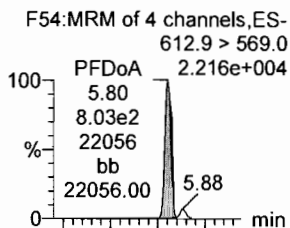
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_4, Date: 26-Jul-2018, Time: 18:01:07, ID: ST180726M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

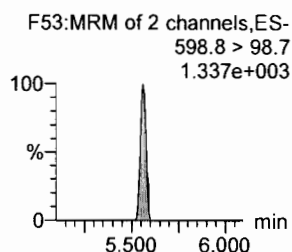
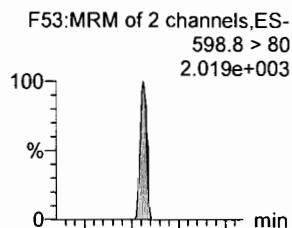
L-EtFOSAA



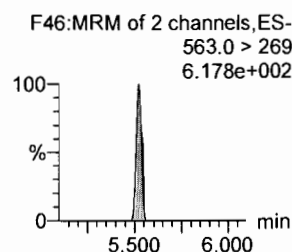
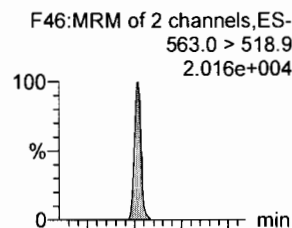
PFDaA



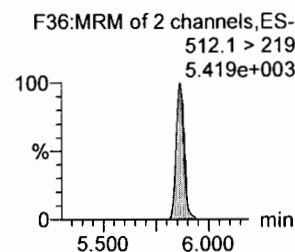
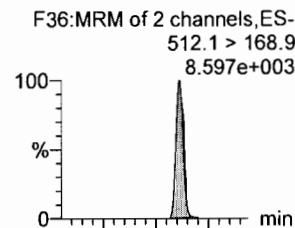
PFDS



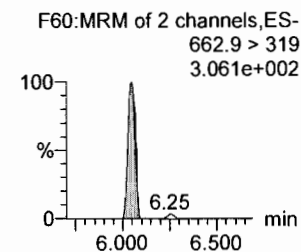
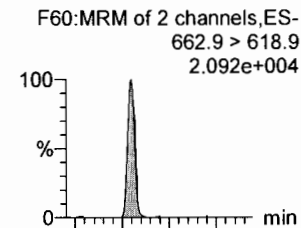
PFUdA



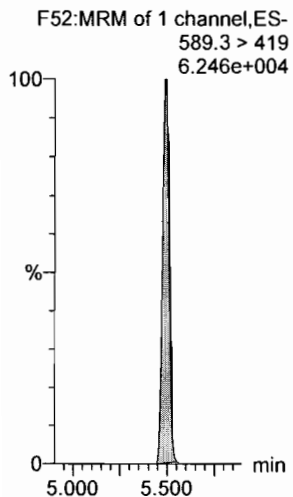
N-MeFOSA



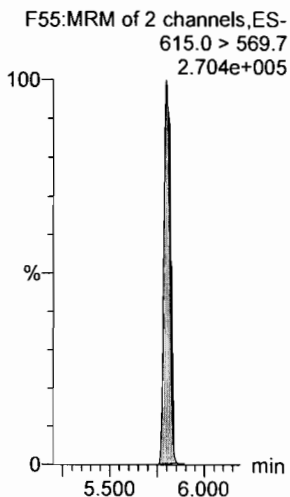
PFTrDA



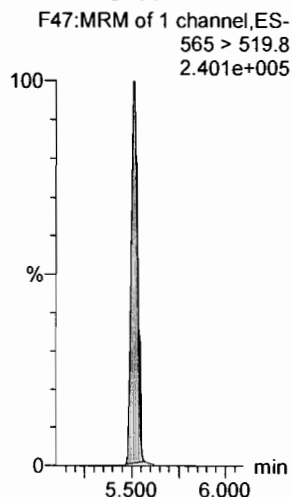
d3-N-EtFOSAA



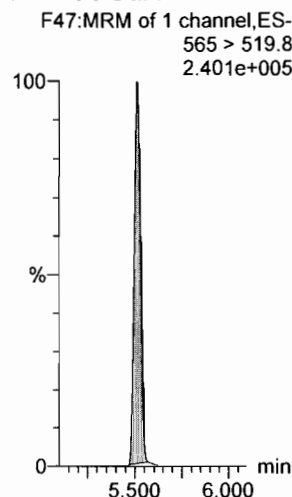
13C2-PFDaA



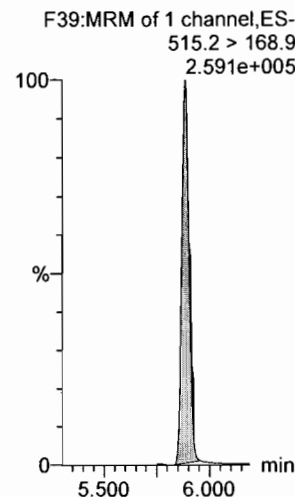
13C2-PFUdA



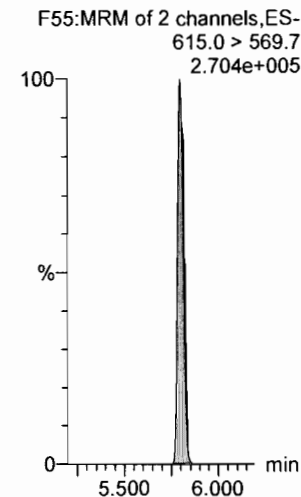
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



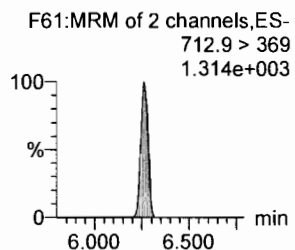
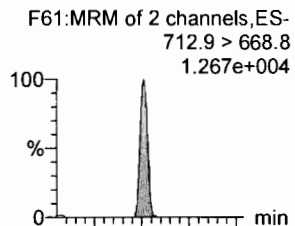
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

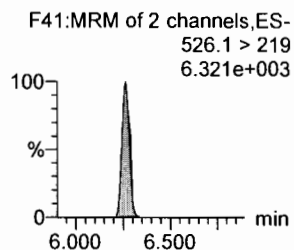
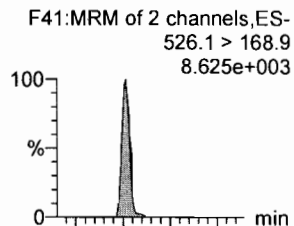
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Name: 180726M1_4, Date: 26-Jul-2018, Time: 18:01:07, ID: ST180726M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

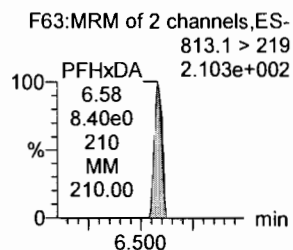
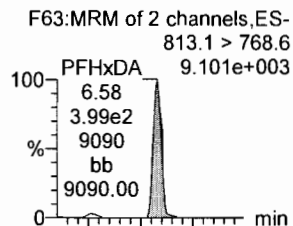
PFTeDA



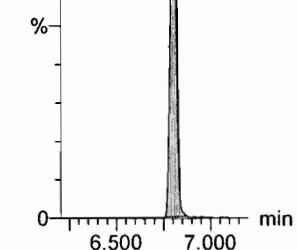
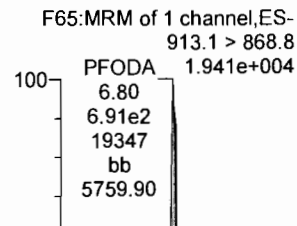
N-EtFOSA



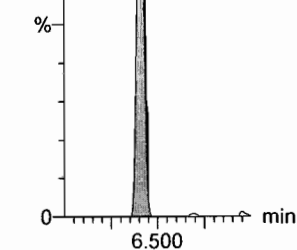
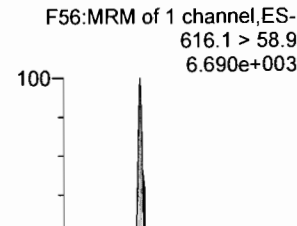
PFHxDA



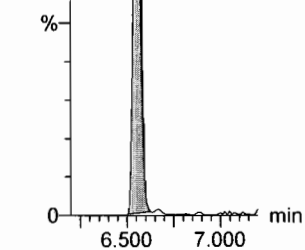
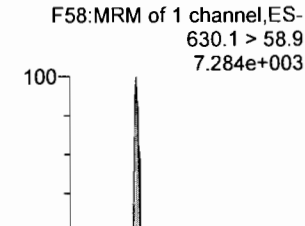
PFODA



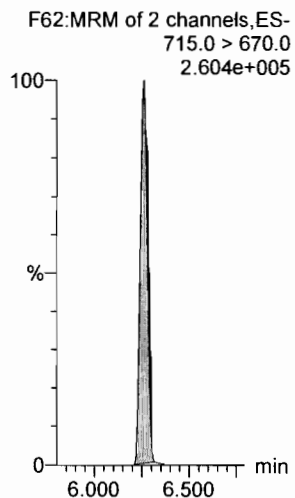
N-MeFOSE



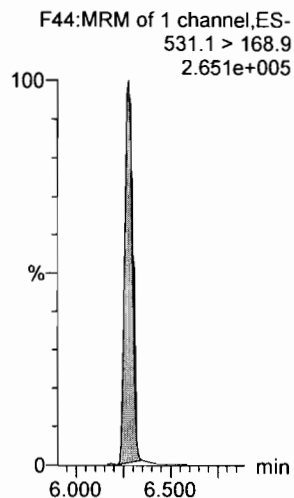
N-EtFOSE



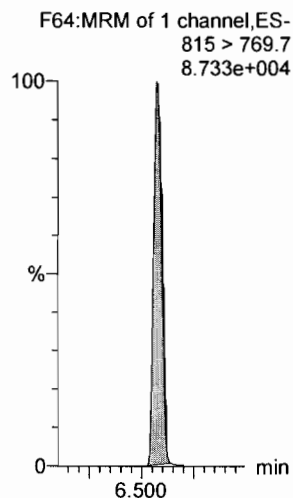
13C2-PFTeDA



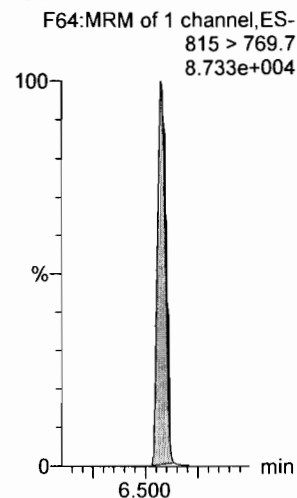
d5-N-ETFOSA



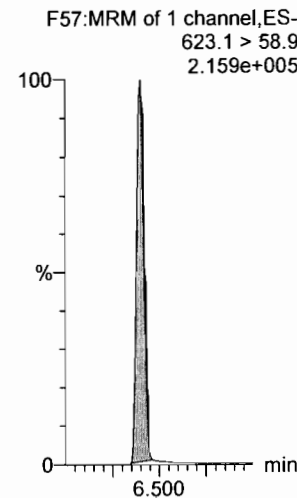
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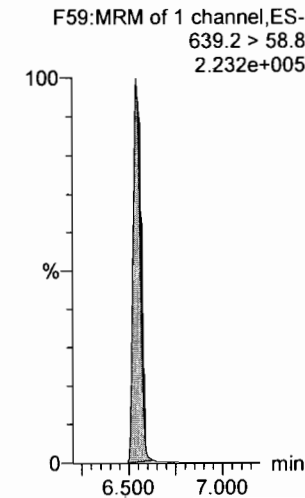
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Untitled

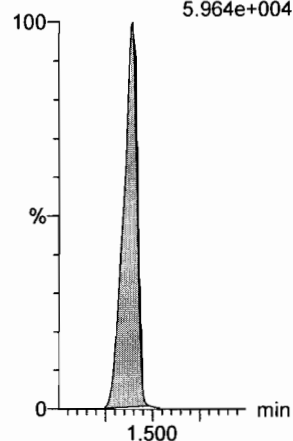
Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

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Name: 180726M1_4, Date: 26-Jul-2018, Time: 18:01:07, ID: ST180726M1-3 PFC CS0 18G1912, Description: PFC CS0 18G1912

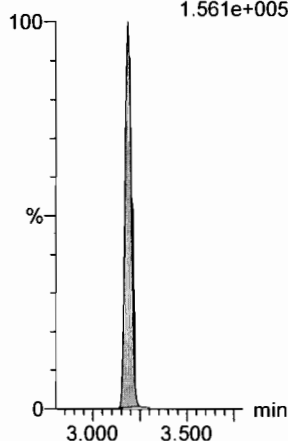
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.964e+004



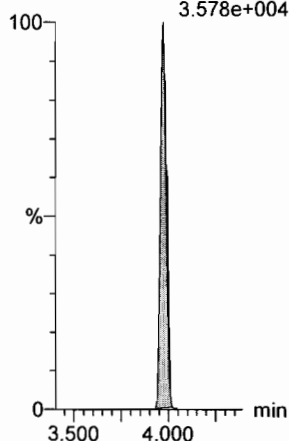
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.561e+005



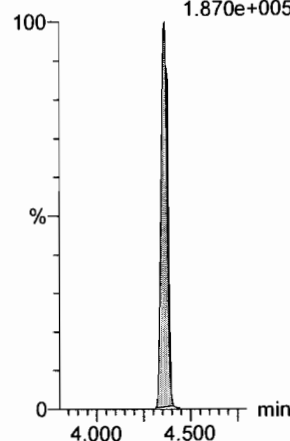
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.578e+004



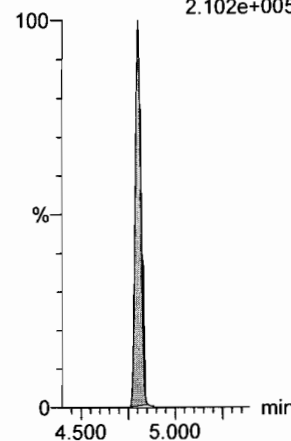
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.870e+005



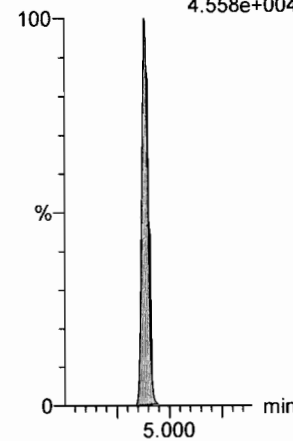
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.102e+005



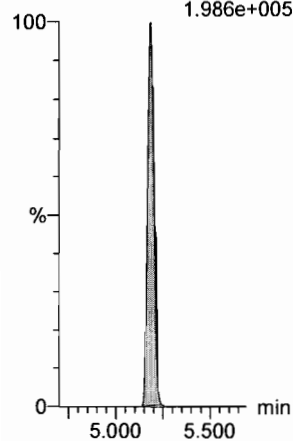
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.558e+004



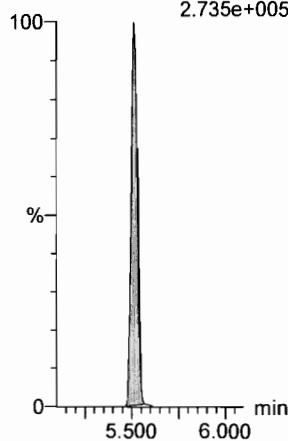
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.986e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.735e+005



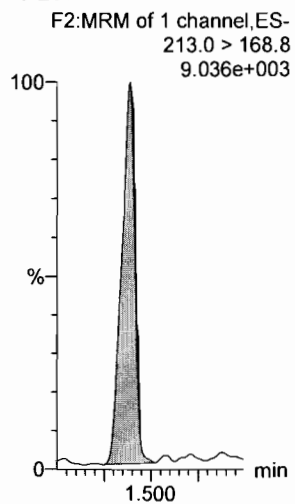
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

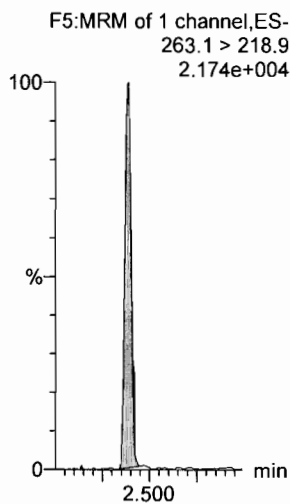
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_5, Date: 26-Jul-2018, Time: 18:11:32, ID: ST180726M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

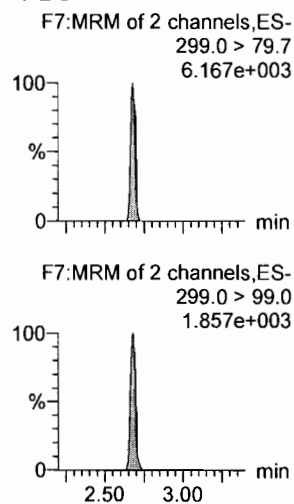
PFBA



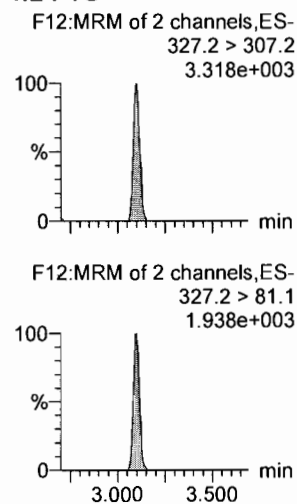
PFPeA



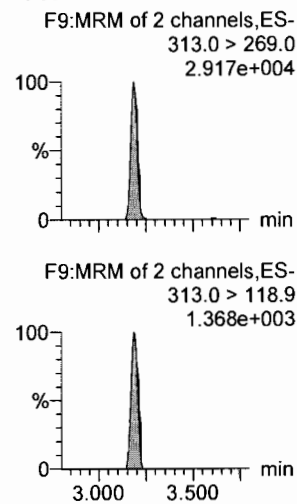
PFBS



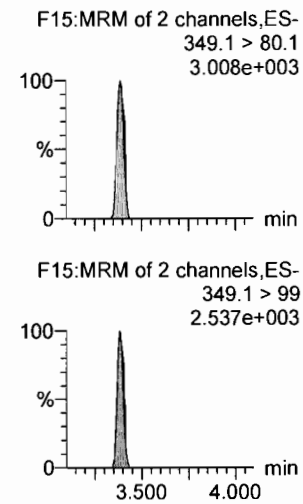
4:2 FTS



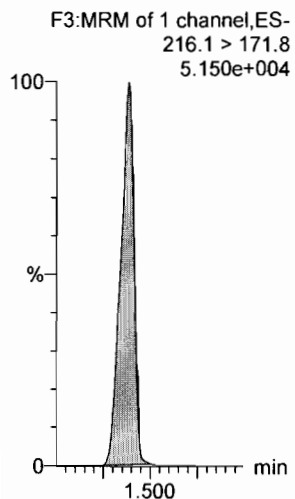
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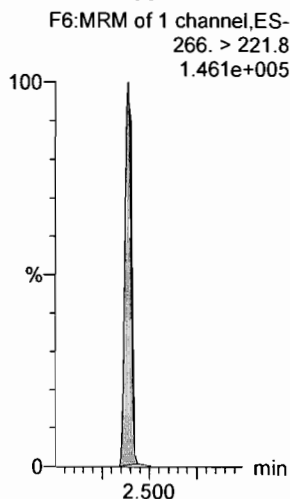
PFPeS



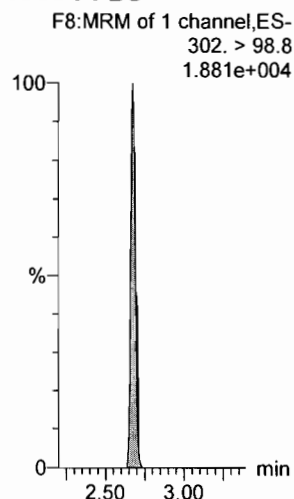
13C3-PFBA



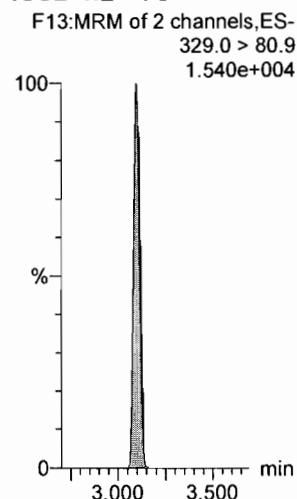
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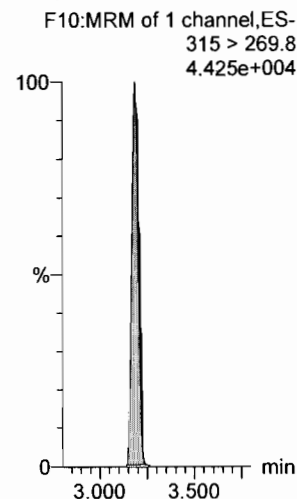
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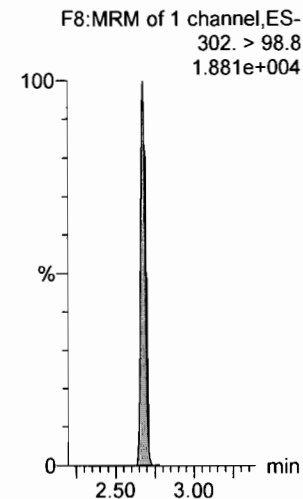
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



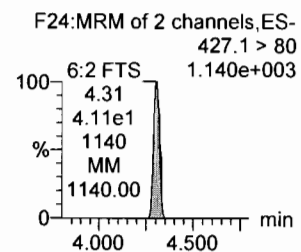
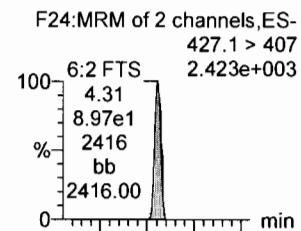
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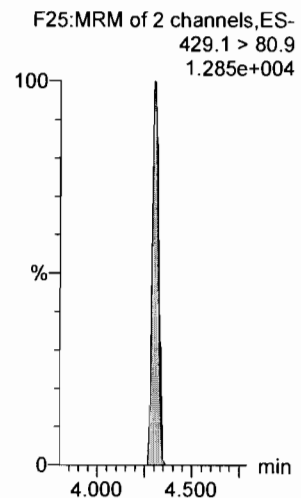
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Name: 180726M1_5, Date: 26-Jul-2018, Time: 18:11:32, ID: ST180726M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

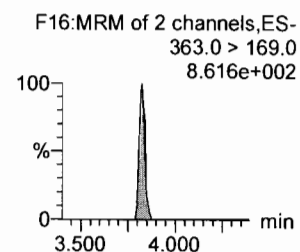
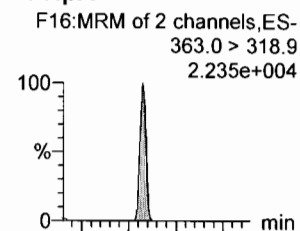
6:2 FTS



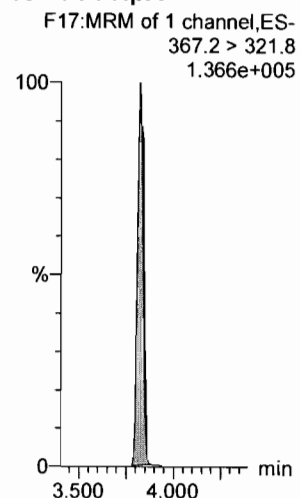
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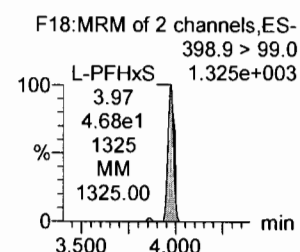
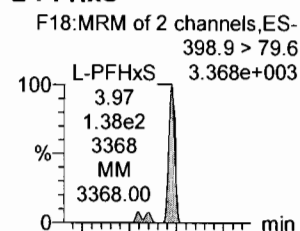
PFHpA



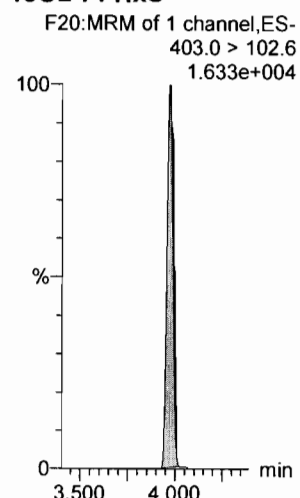
13C4-PFHpA



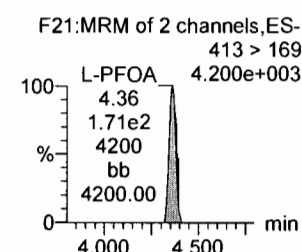
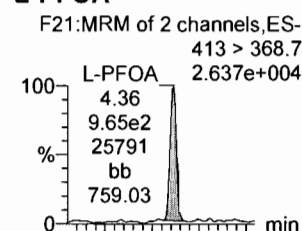
L-PFHxS



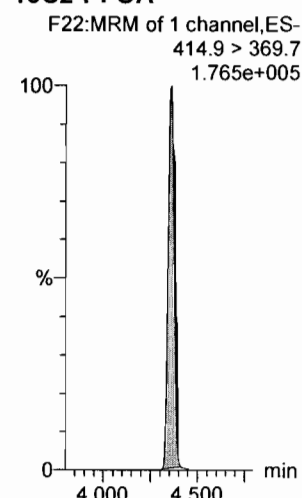
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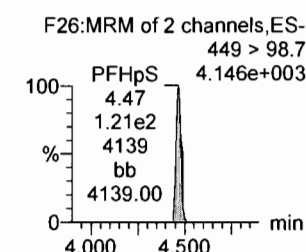
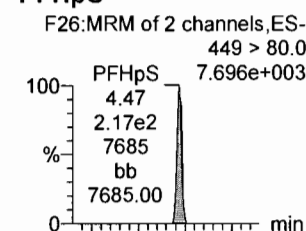
L-PFOA



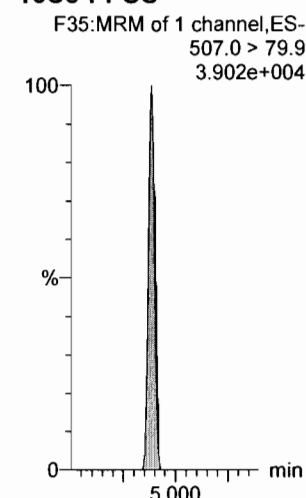
13C2-PFOA



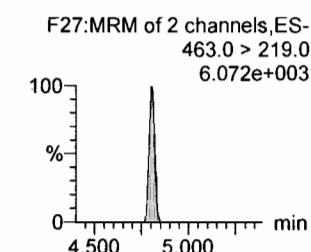
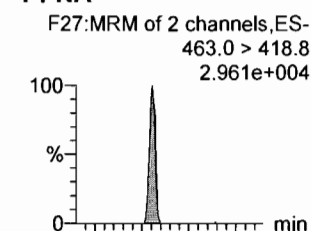
PFHpS



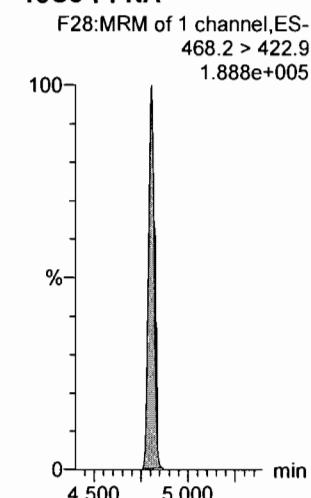
13C8-PFOS



PFNA



13C5-PFNA



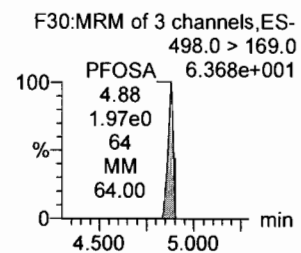
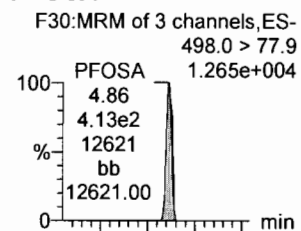
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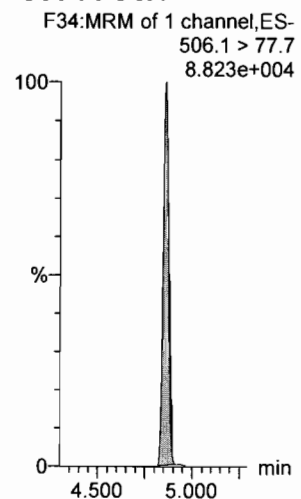
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Name: 180726M1_5, Date: 26-Jul-2018, Time: 18:11:32, ID: ST180726M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

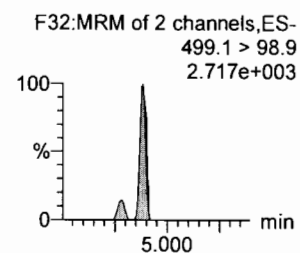
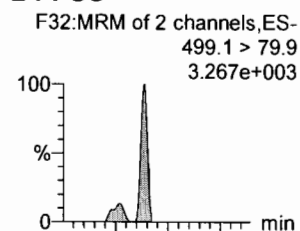
PFOSA



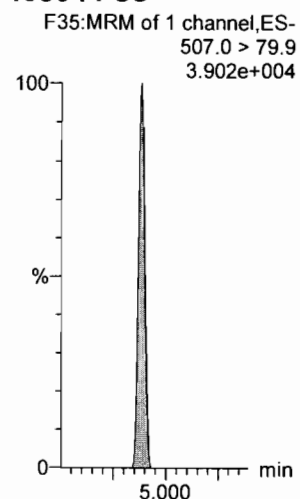
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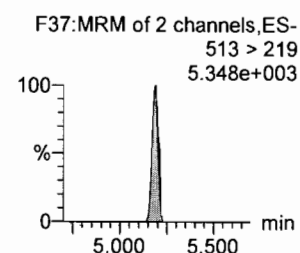
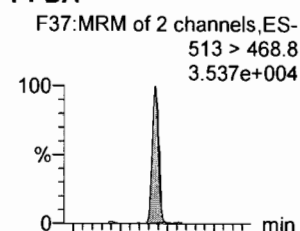
L-PFOS



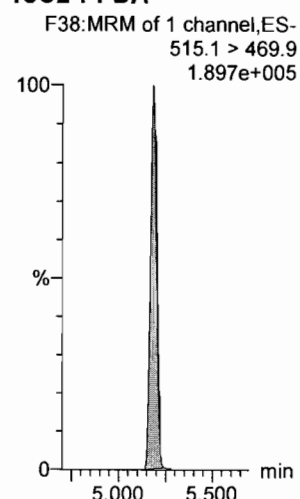
13C8-PFOS



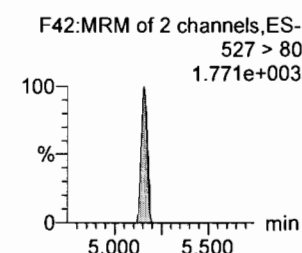
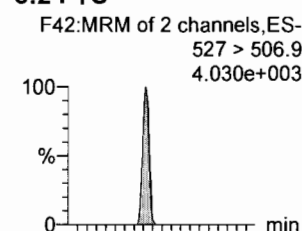
PFDA



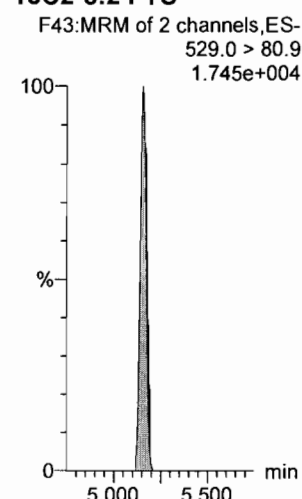
13C2-PFDA



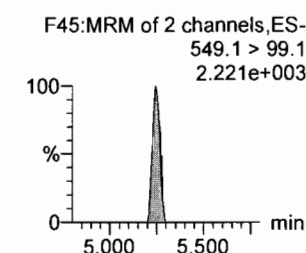
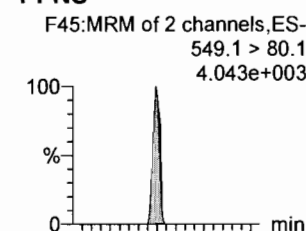
8:2 FTS



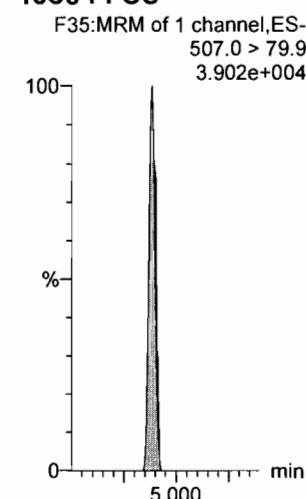
13C2-8:2 FTS



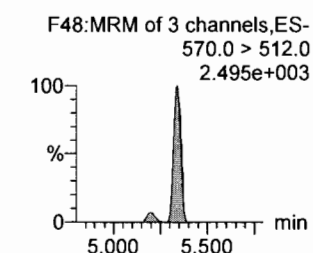
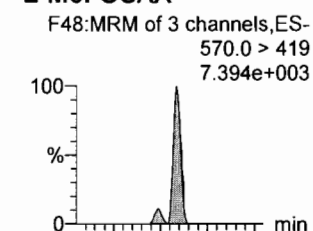
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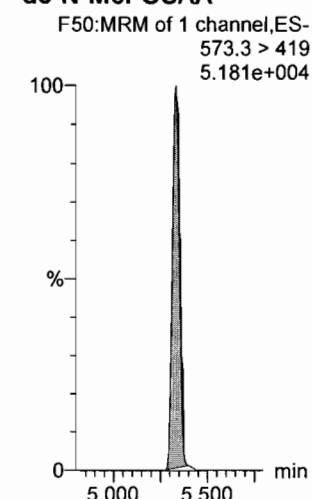
13C8-PFOS



L-MeFOSAA



d3-N-MeFOSAA



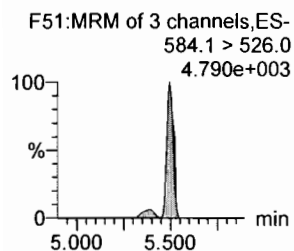
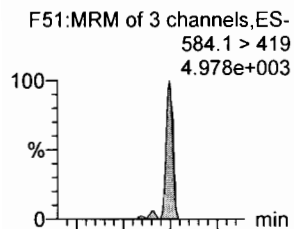
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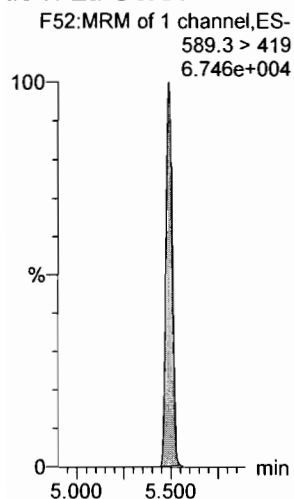
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Name: 180726M1_5, Date: 26-Jul-2018, Time: 18:11:32, ID: ST180726M1-4 PFC CS1 18G1913, Description: PFC CS1 18G1913

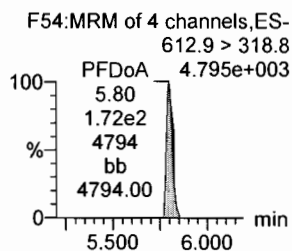
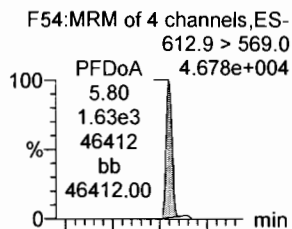
L-EtFOSAA



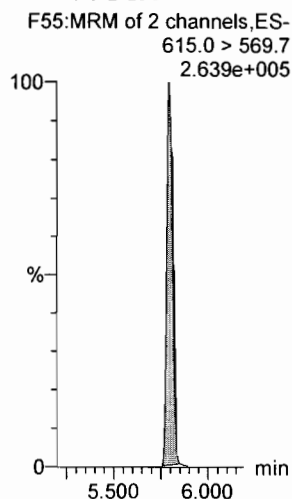
d5-N-EtFOSAA



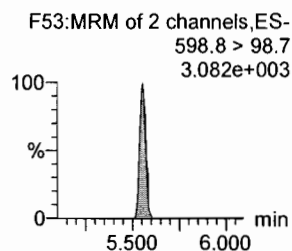
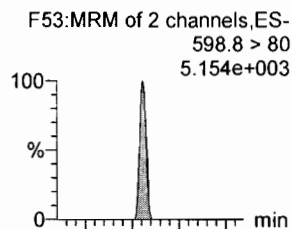
PFDaA



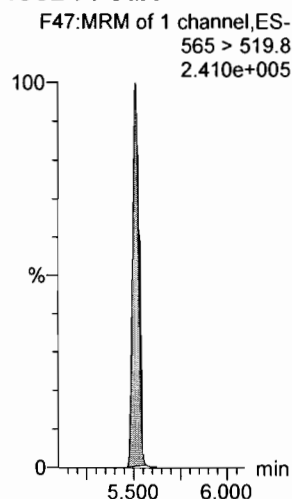
13C2-PFDaA



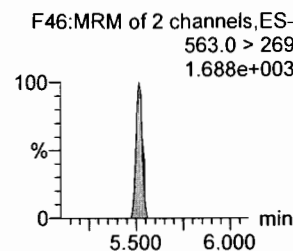
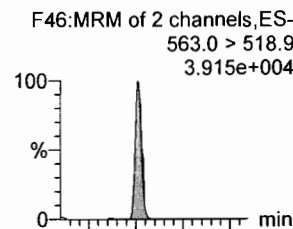
PFDS



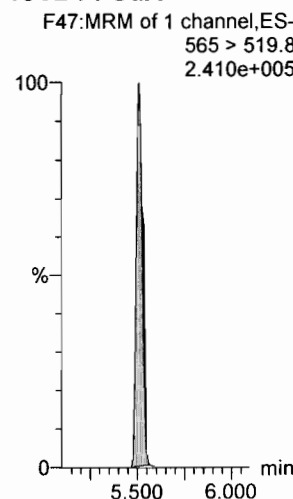
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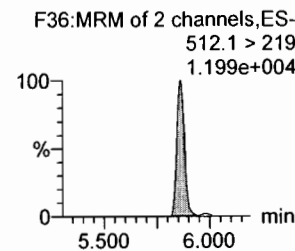
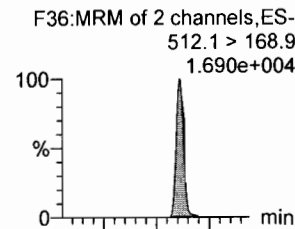
PFUdA



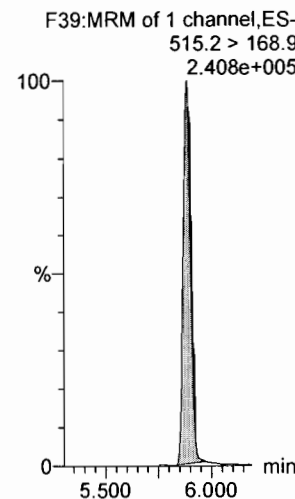
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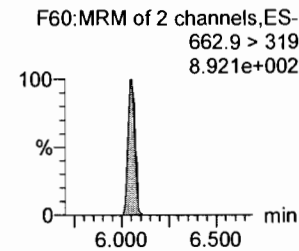
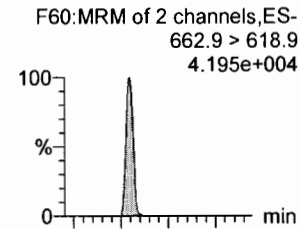
N-MeFOSA



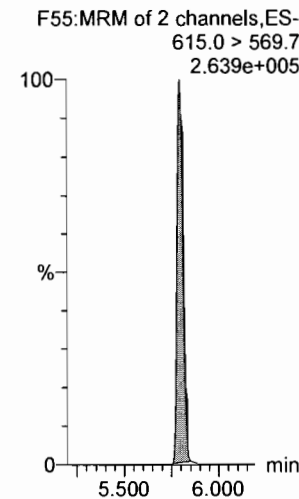
d3-N-MeFOSA



PFTrDA



13C2-PFDaA



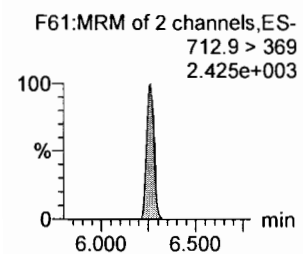
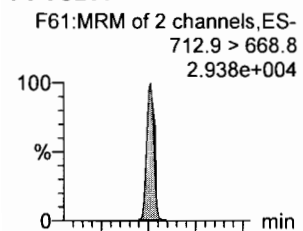
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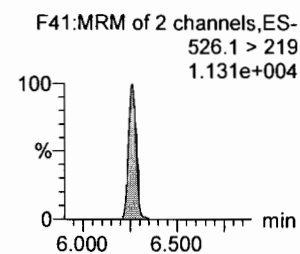
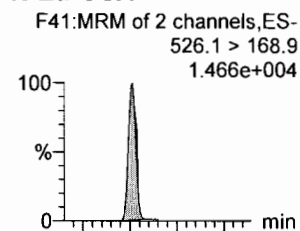
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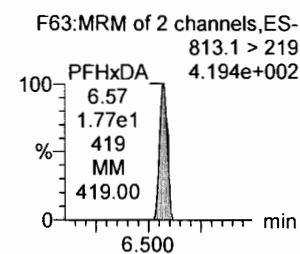
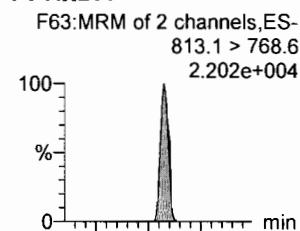
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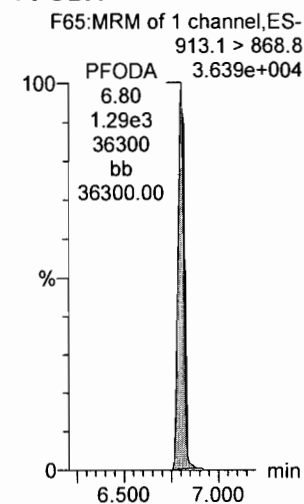
N-EtFOSA



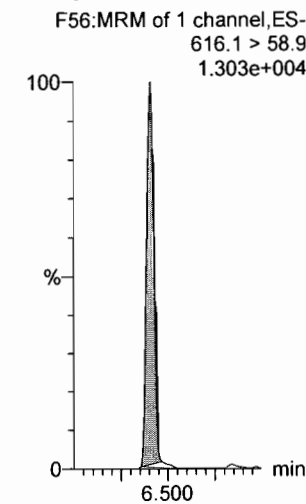
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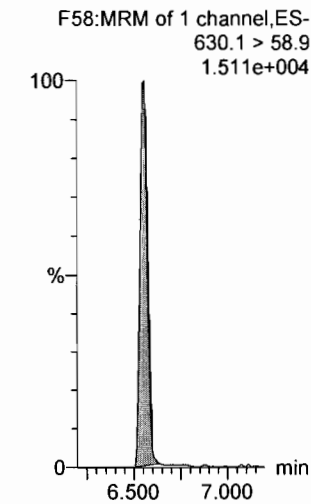
PFODA



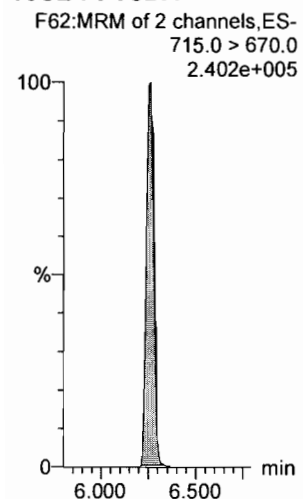
N-MeFOSE



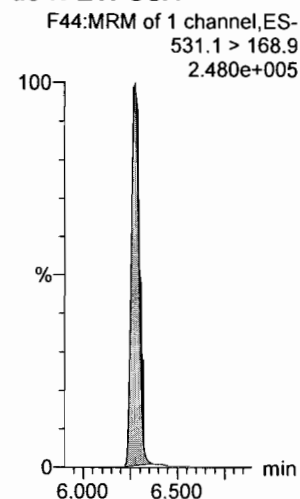
N-EtFOSE



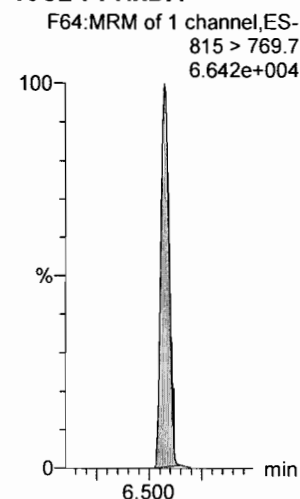
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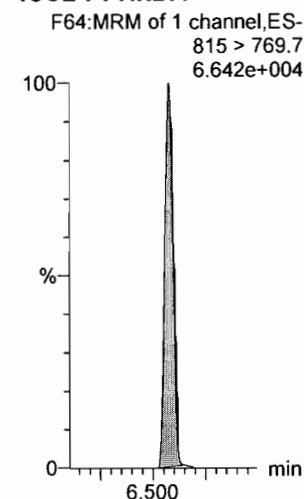
d5-N-ETFOSA



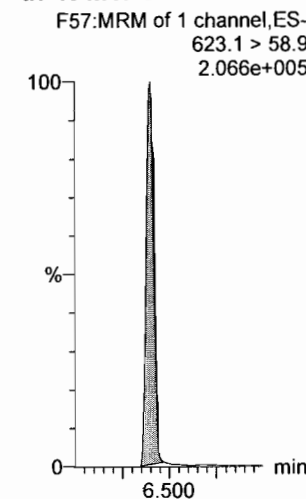
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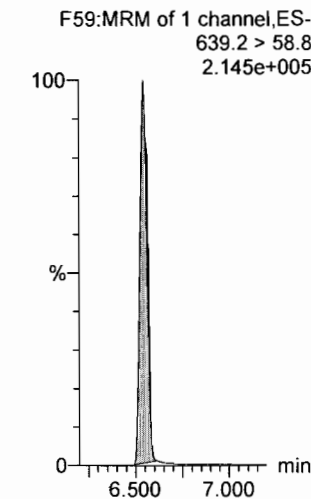
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d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Untitled

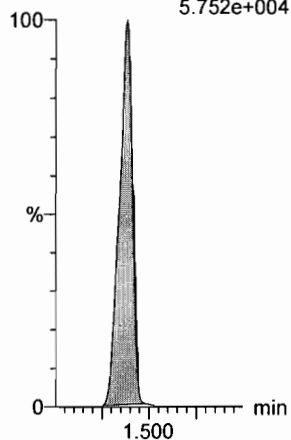
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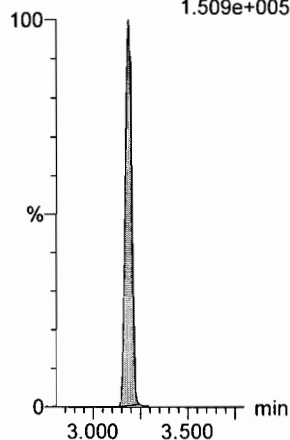
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F4:MRM of 1 channel,ES-
217. > 171.8
5.752e+004



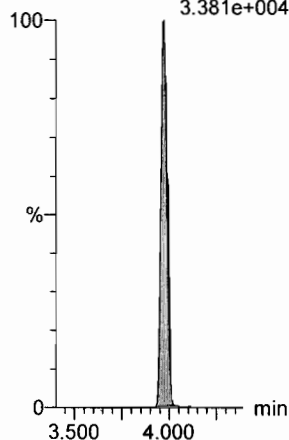
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.509e+005



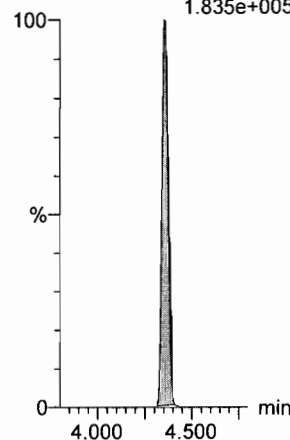
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.381e+004



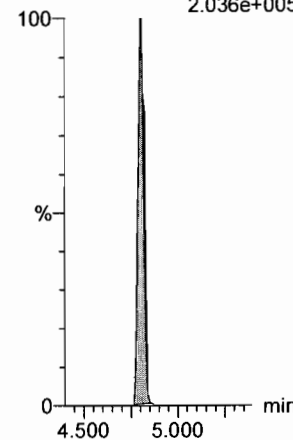
13C8-PFOA

F23:MRM of 1 channel,ES-
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1.835e+005



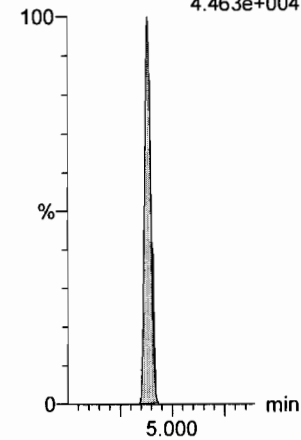
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.036e+005



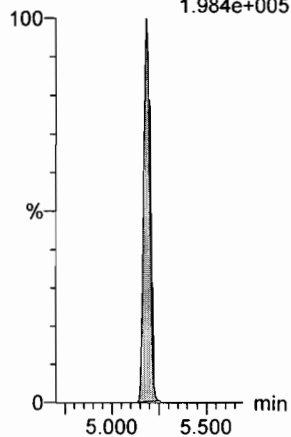
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.463e+004



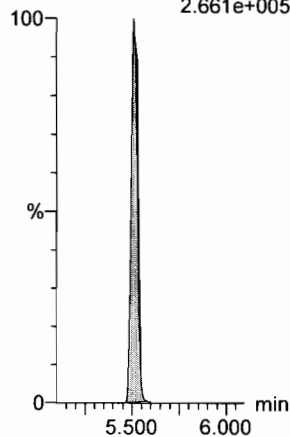
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.984e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.661e+005



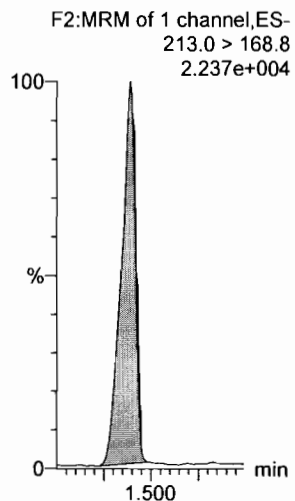
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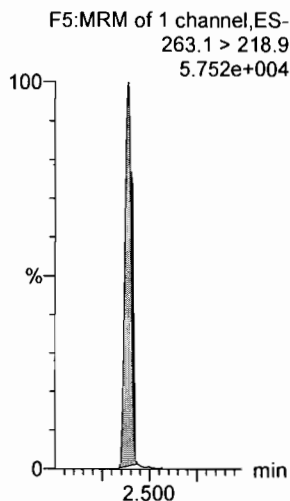
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

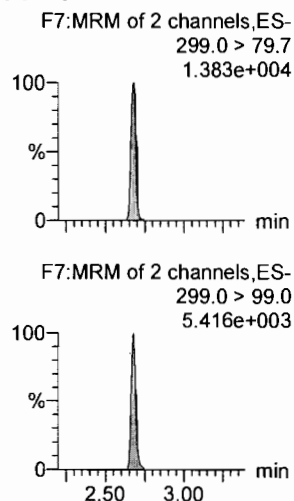
PFBA



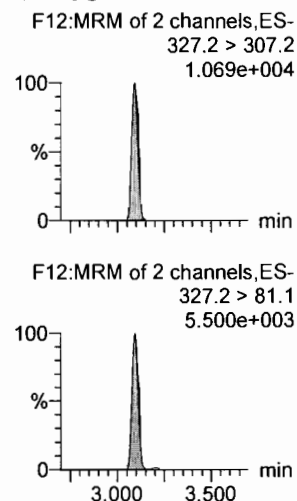
PFPeA



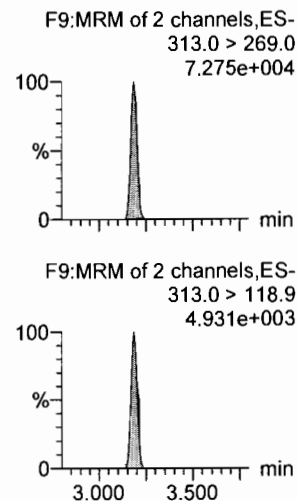
PFBS



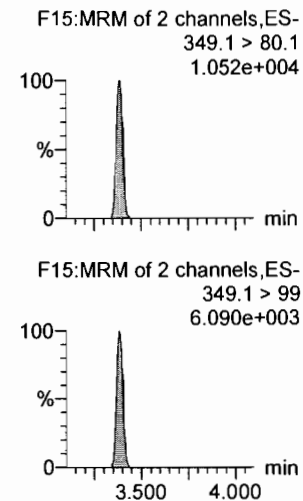
4:2 FTS



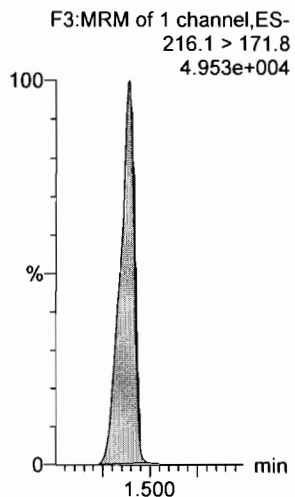
PFHxA



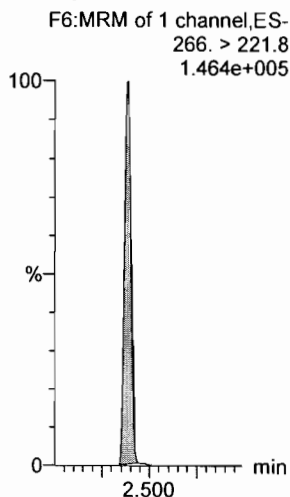
PFPeS



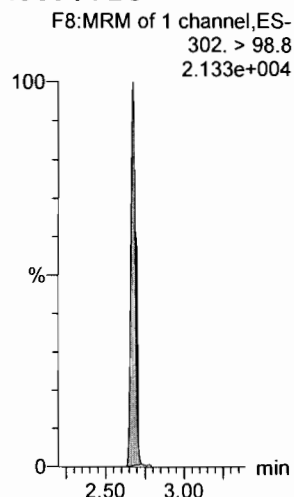
13C3-PFBA



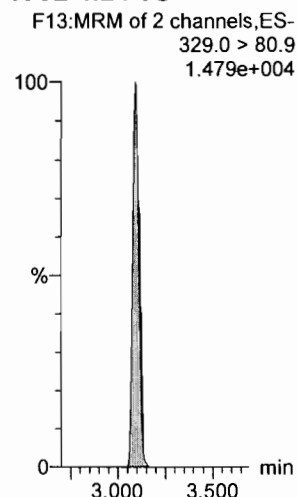
13C3-PFPeA



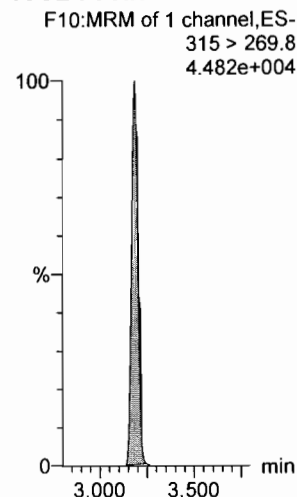
13C3-PFBS



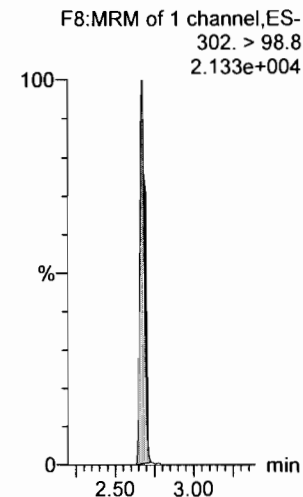
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



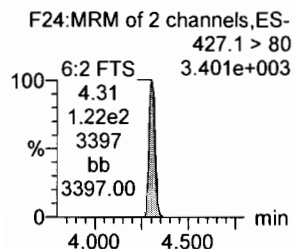
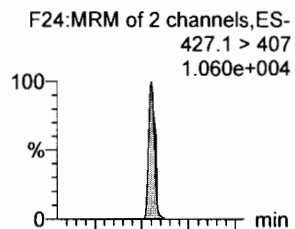
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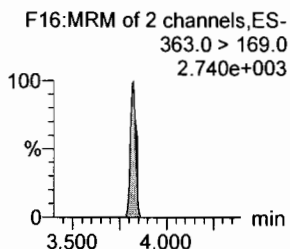
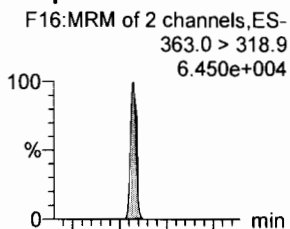
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Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

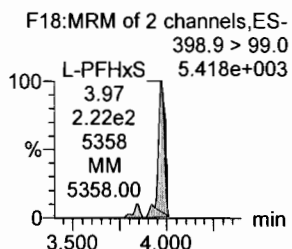
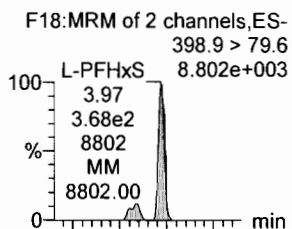
6:2 FTS



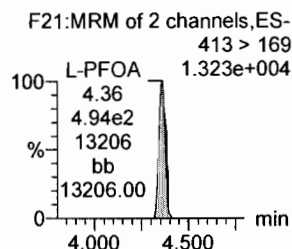
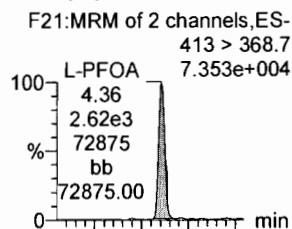
PFHpA



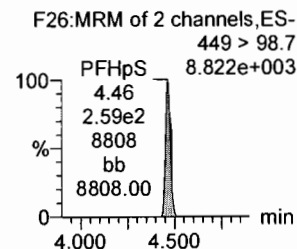
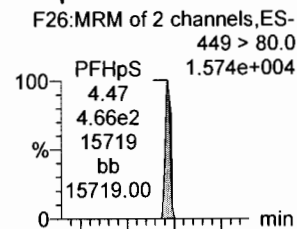
L-PFHxS



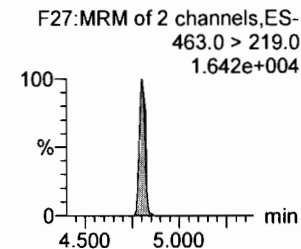
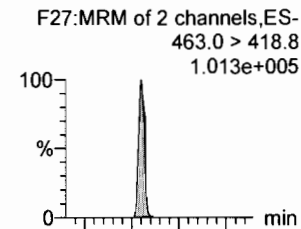
L-PFOA



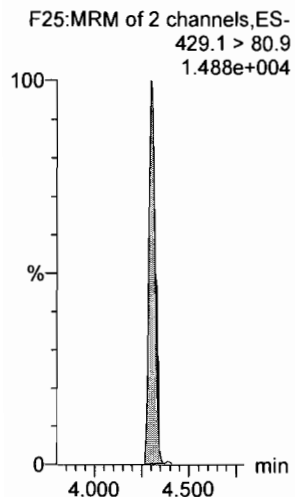
PFHpS



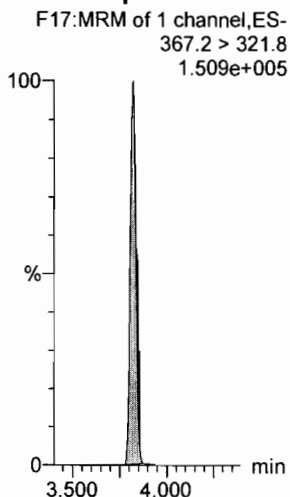
PFNA



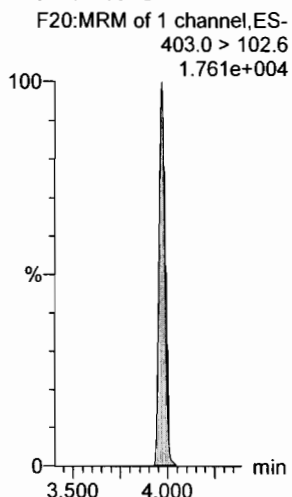
13C2-6:2 FTS



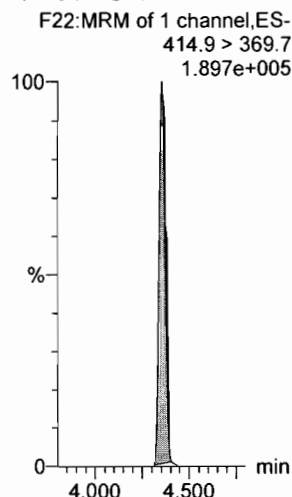
13C4-PFHpA



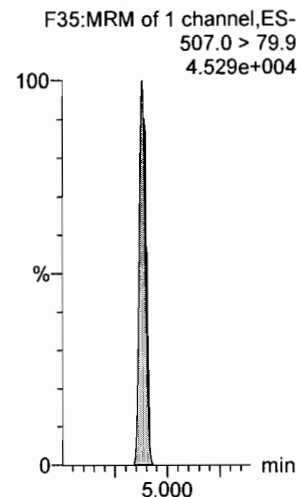
18O2-PFHxS



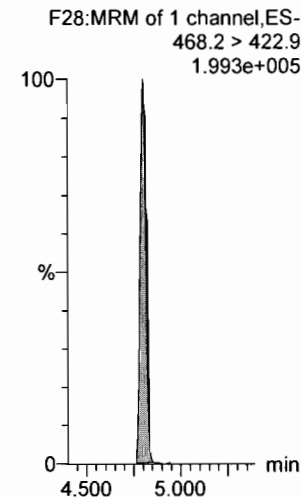
13C2-PFOA



13C8-PFOS



13C5-PFNA



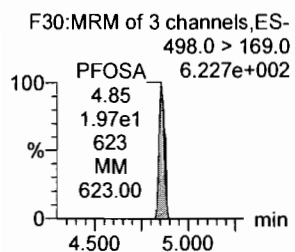
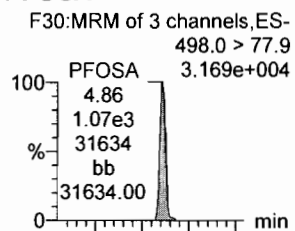
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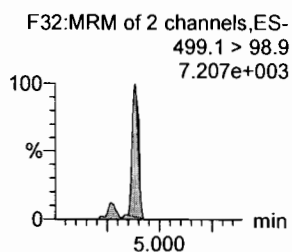
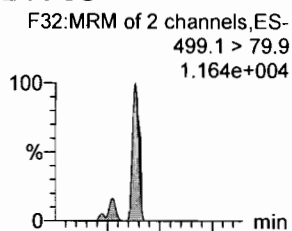
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

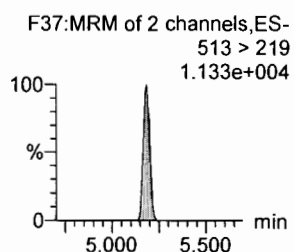
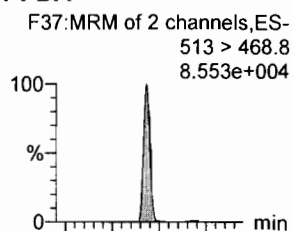
PFOSA



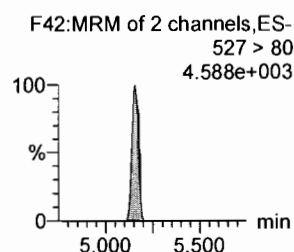
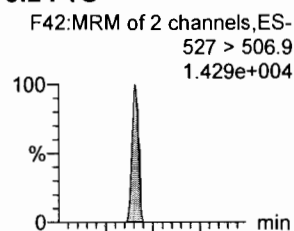
L-PFOS



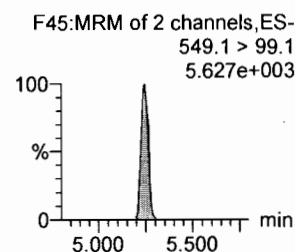
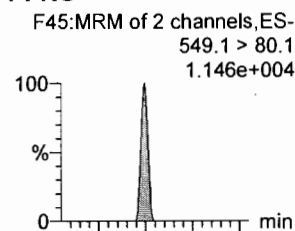
PFDA



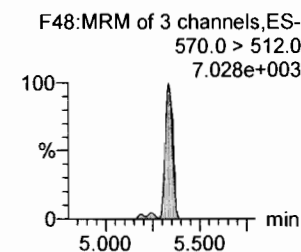
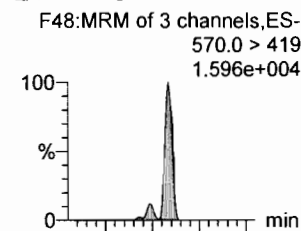
8:2 FTS



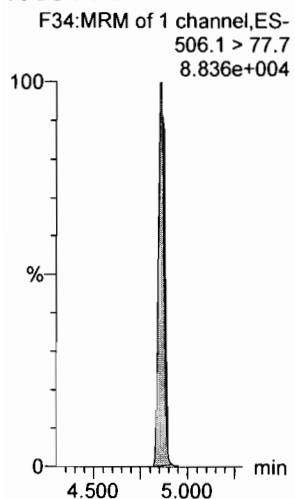
PFNS



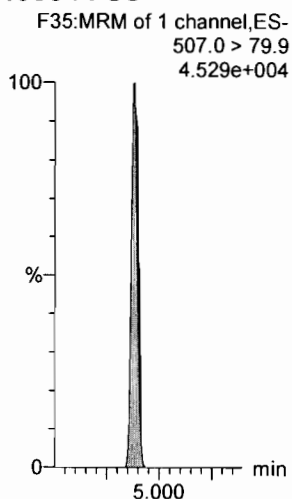
L-MeFOSAA



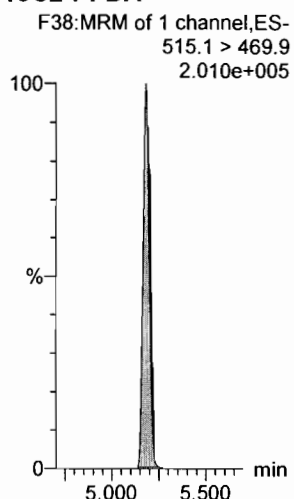
13C8-PFOSA



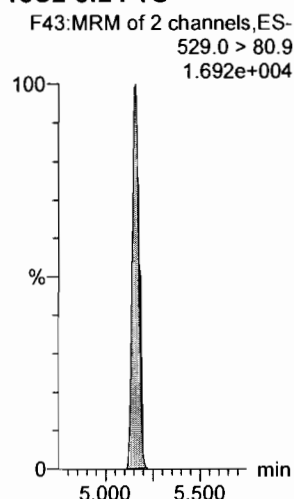
13C8-PFOS



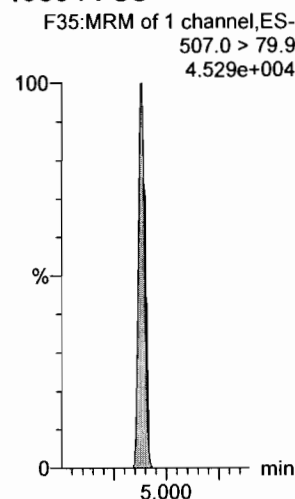
13C2-PFDA



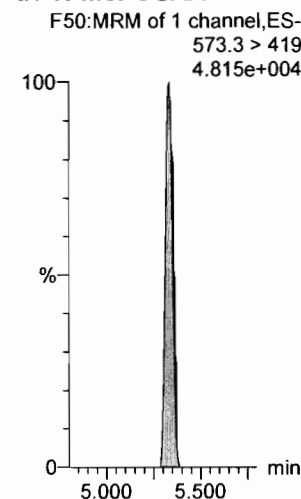
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



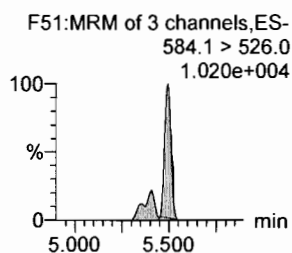
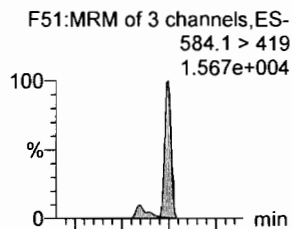
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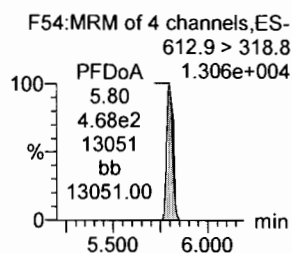
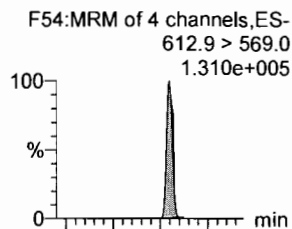
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Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

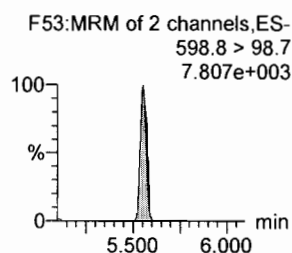
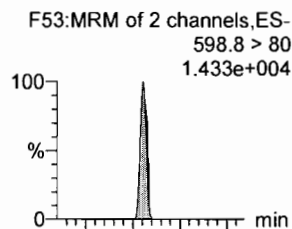
L-EtFOSAA



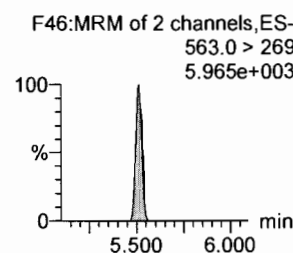
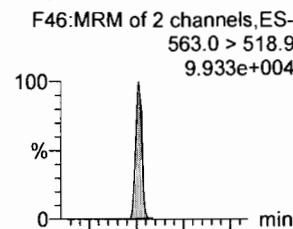
PFDaA



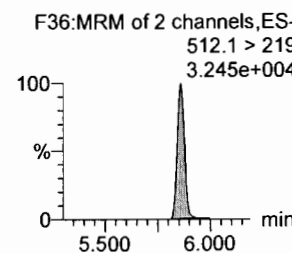
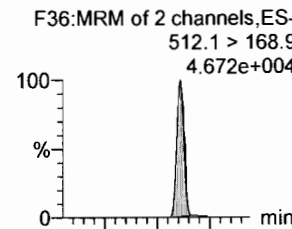
PFDS



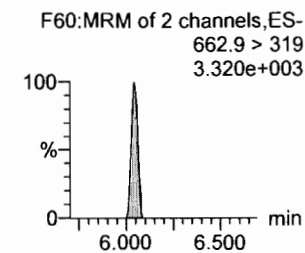
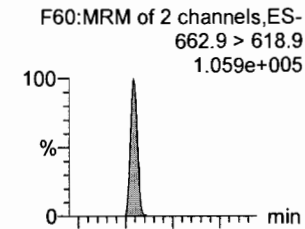
PFUdA



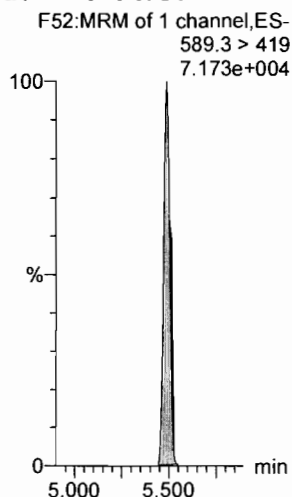
N-MeFOSA



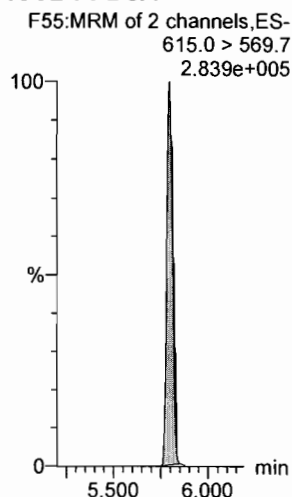
PFTrDA



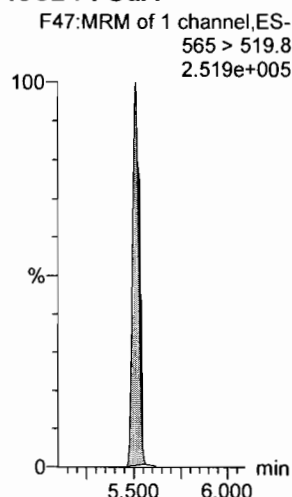
d5-N-EtFOSAA



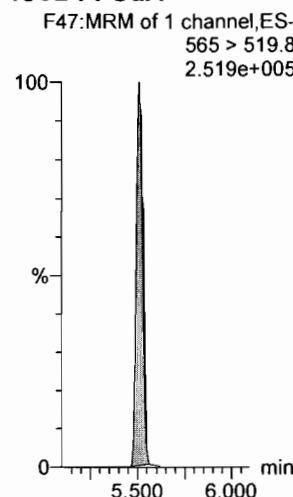
13C2-PFDaA



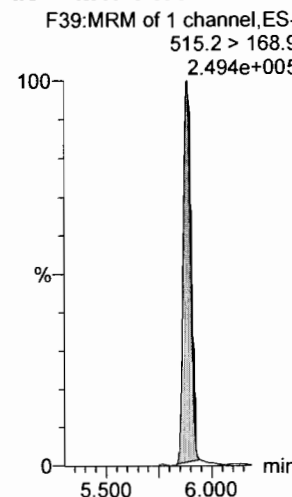
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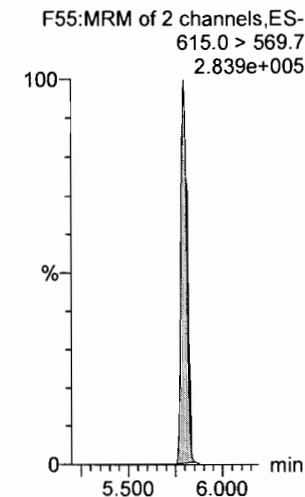
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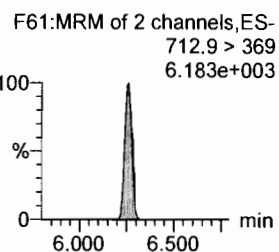
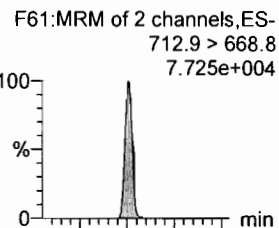
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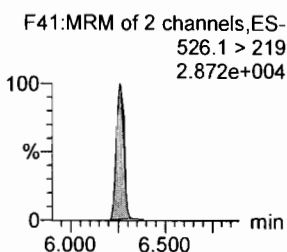
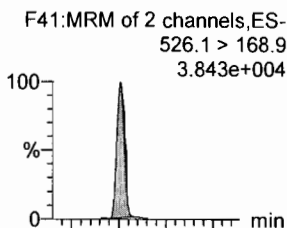
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Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

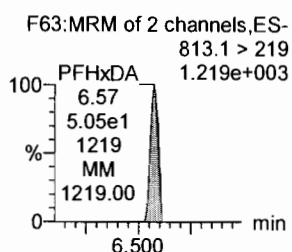
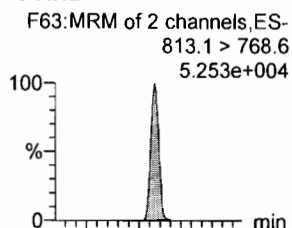
PFTeDA



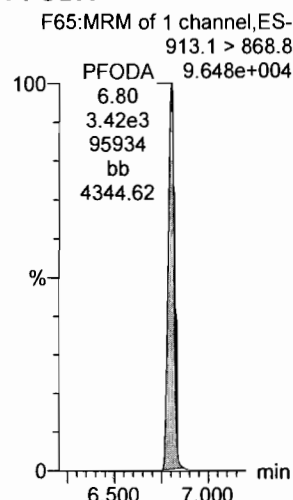
N-EtFOSA



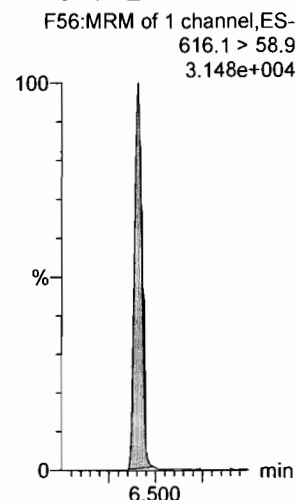
PFHxDA



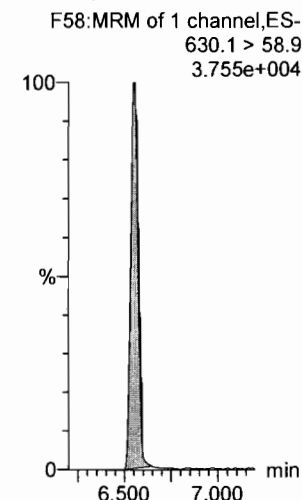
PFODA



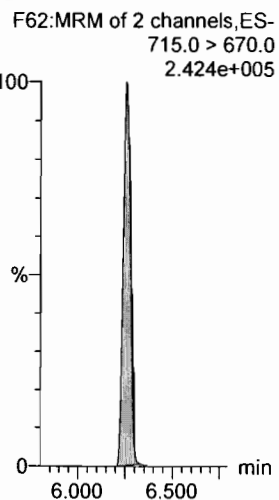
N-MeFOSE



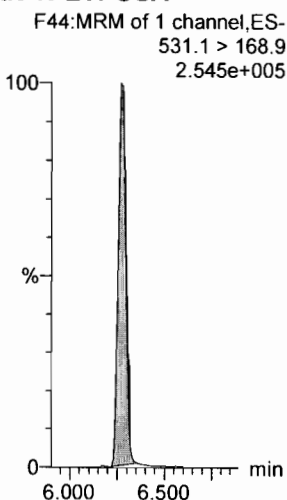
N-EtFOSE



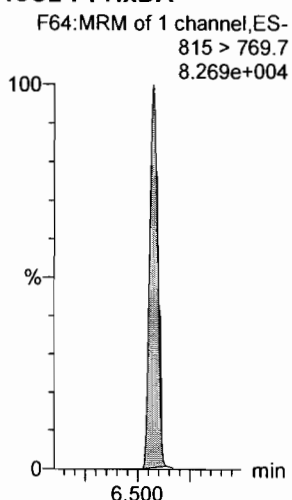
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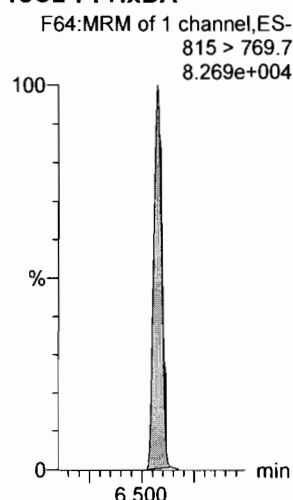
d5-N-ETFOSA



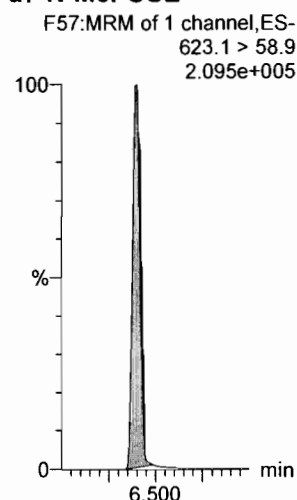
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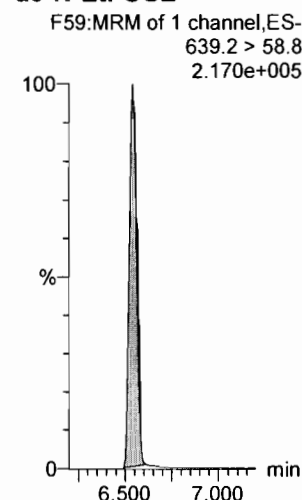
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Untitled

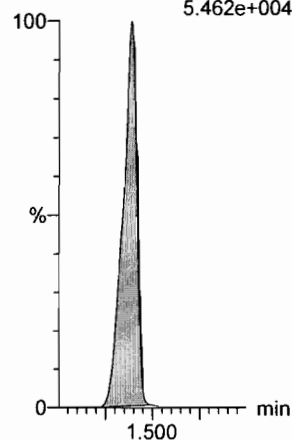
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Name: 180726M1_6, Date: 26-Jul-2018, Time: 18:22:02, ID: ST180726M1-5 PFC CS2 18G1914, Description: PFC CS2 18G1914

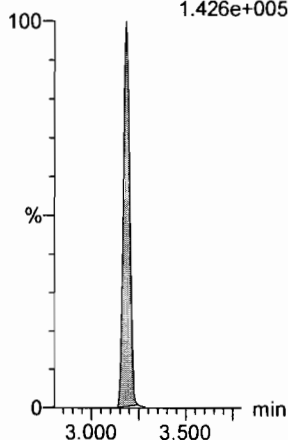
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.462e+004



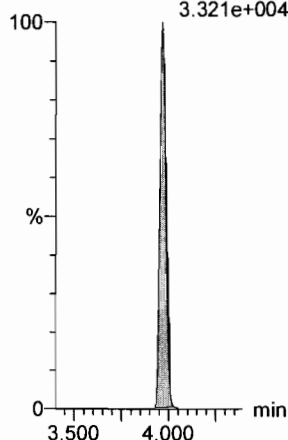
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.426e+005



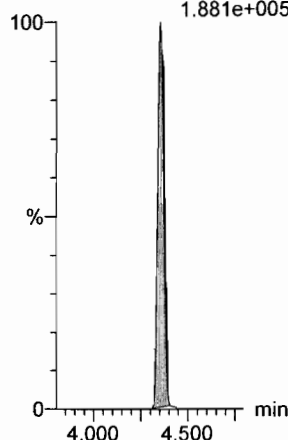
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.321e+004



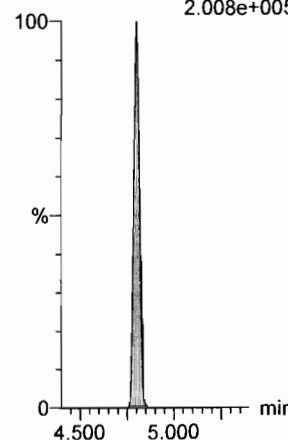
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.881e+005



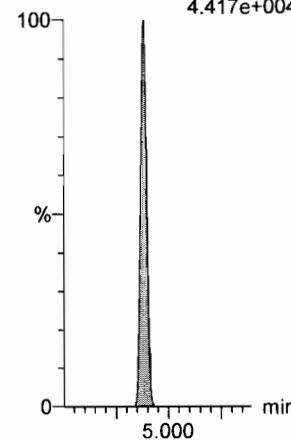
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.008e+005



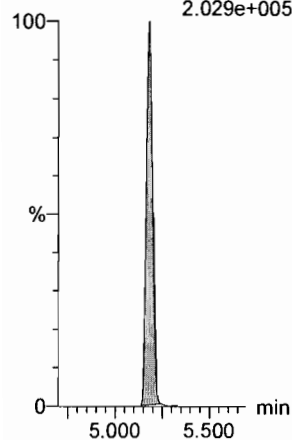
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.417e+004



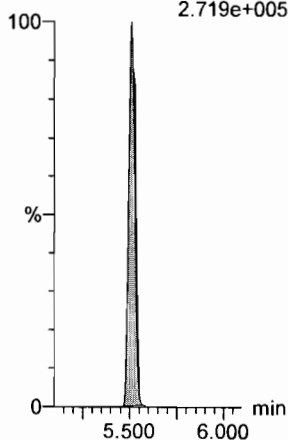
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.029e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.719e+005



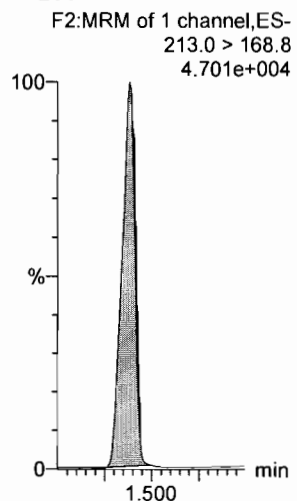
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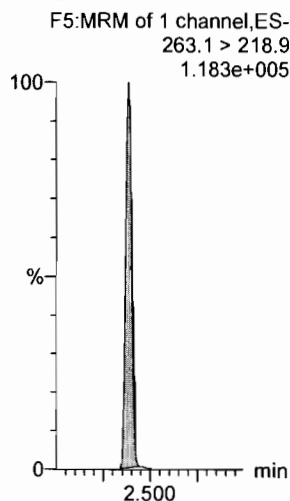
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Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

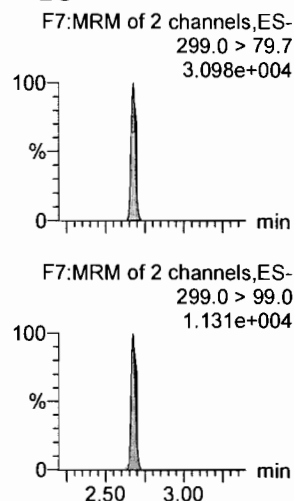
PFBA



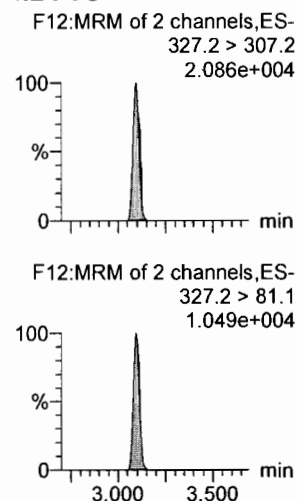
PFPeA



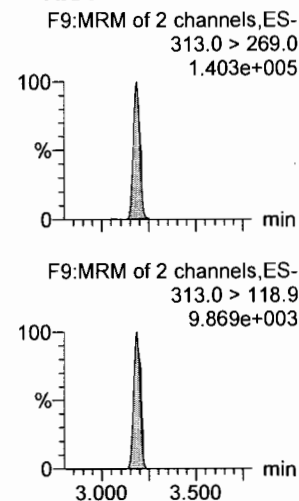
PFBS



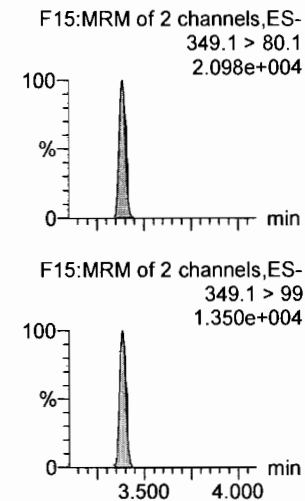
4:2 FTS



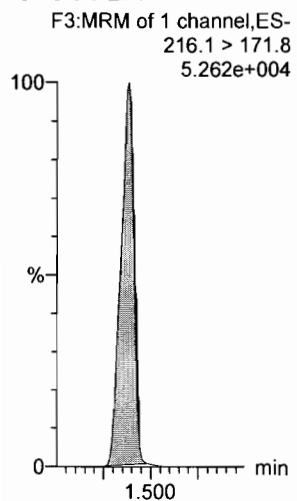
PFHxA



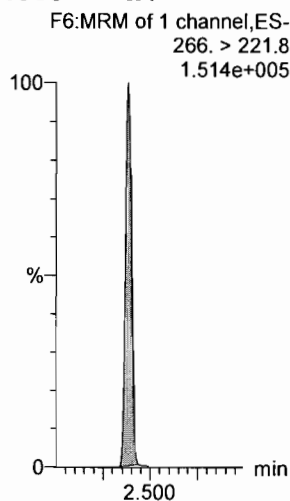
PFPeS



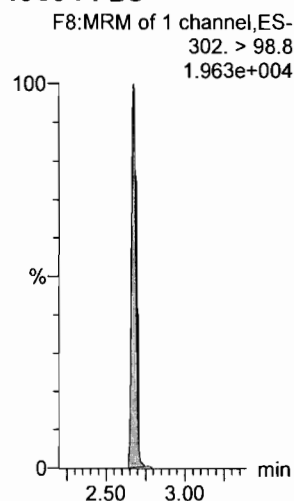
13C3-PFBA



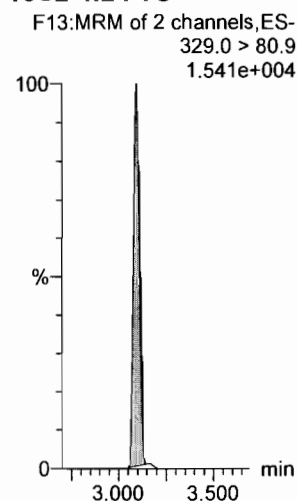
13C3-PFPeA



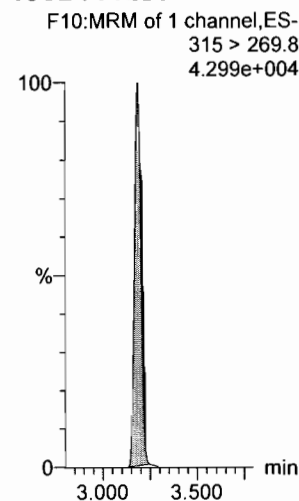
13C3-PFBS



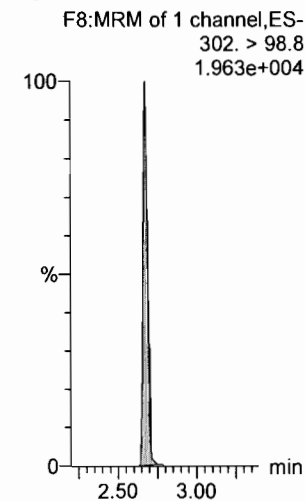
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



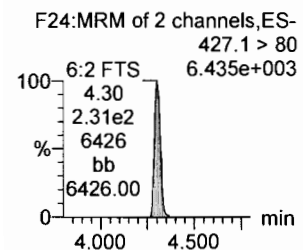
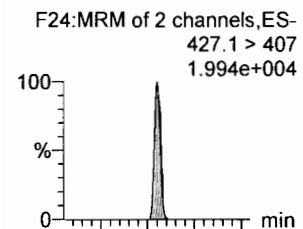
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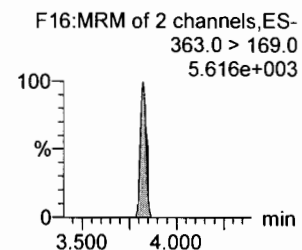
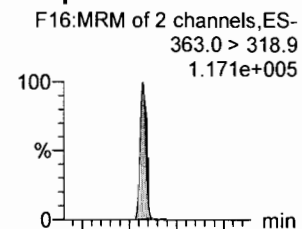
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Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

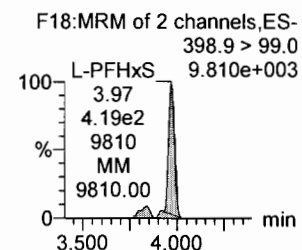
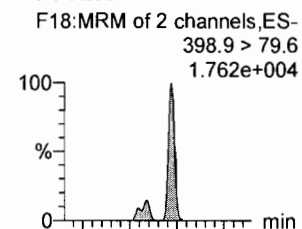
6:2 FTS



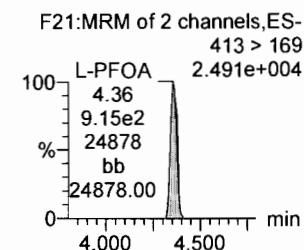
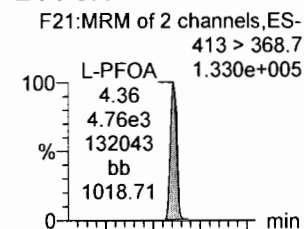
PFHpA



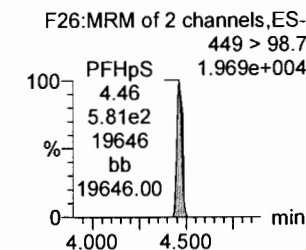
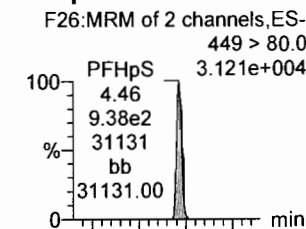
L-PFHxS



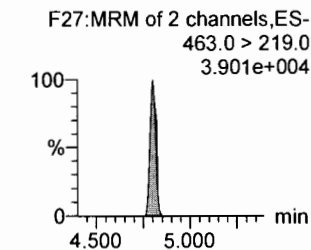
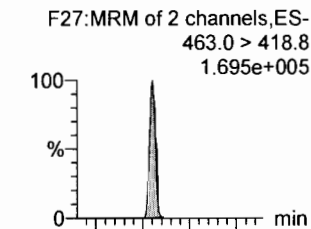
L-PFOA



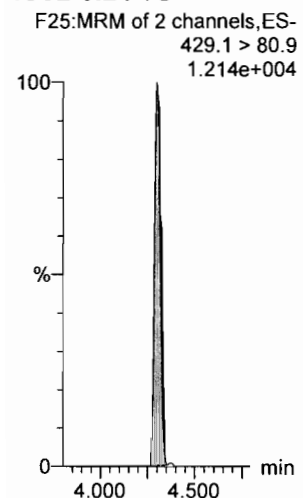
PFHpS



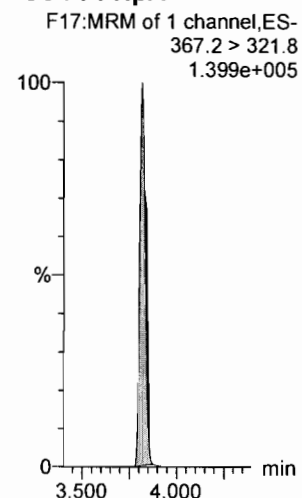
PFNA



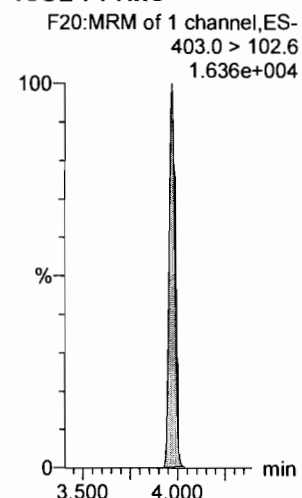
13C2-6:2 FTS



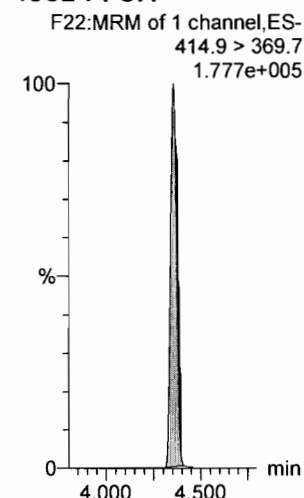
13C4-PFHpA



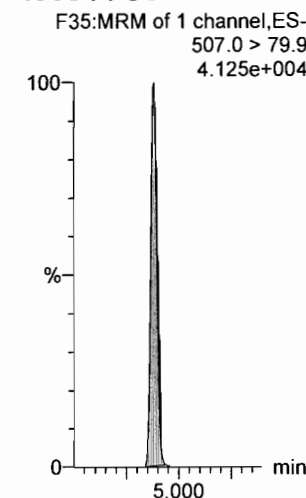
18O2-PFHxS



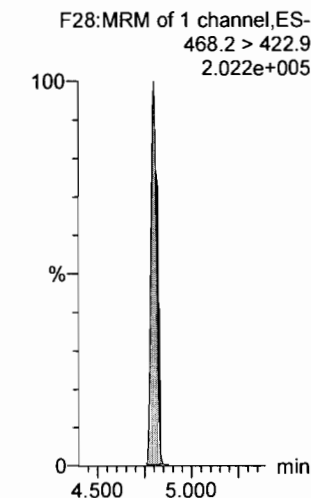
13C2-PFOA



13C8-PFOS



13C5-PFNA



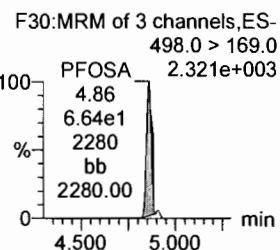
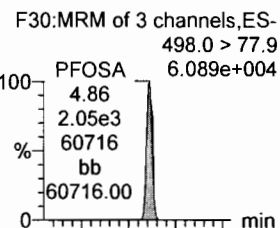
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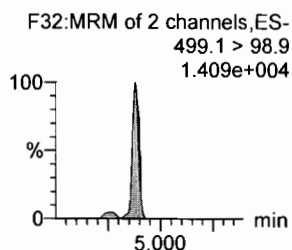
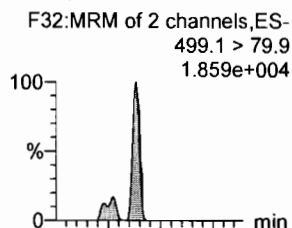
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Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

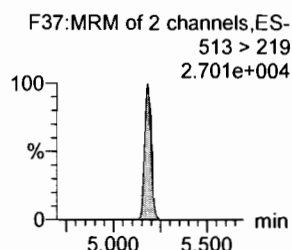
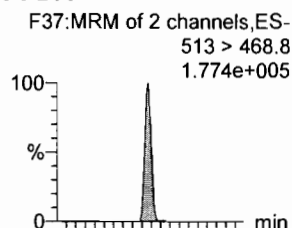
PFOSA



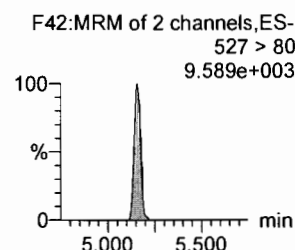
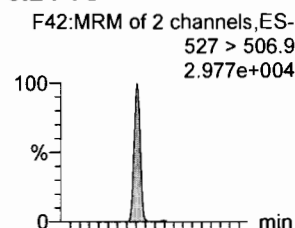
L-PFOS



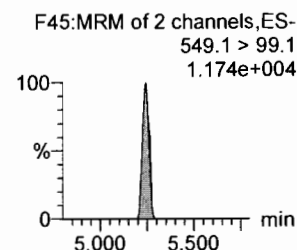
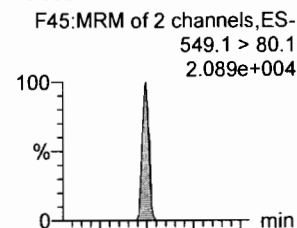
PFDA



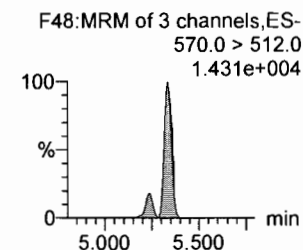
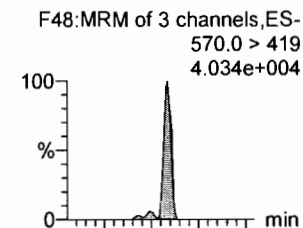
8:2 FTS



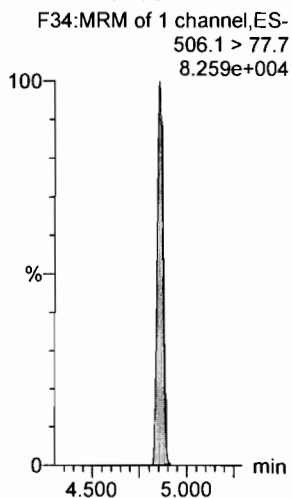
PFNS



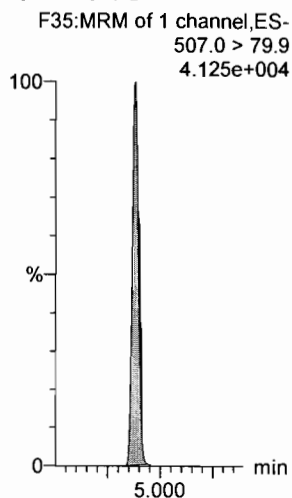
L-MeFOSAA



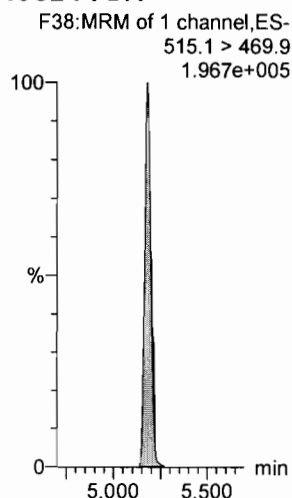
13C8-PFOSA



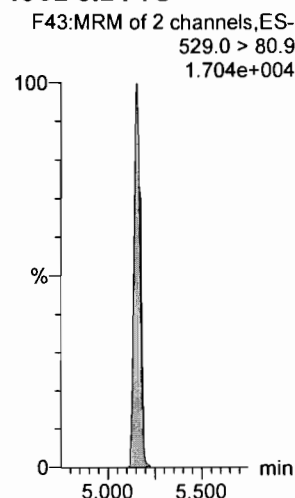
13C8-PFOS



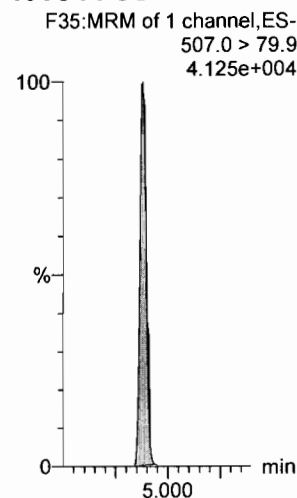
13C2-PFDA



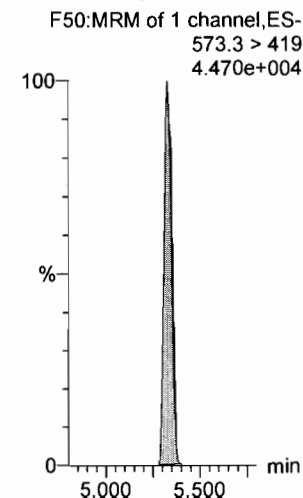
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



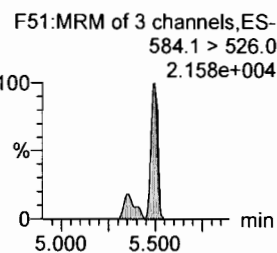
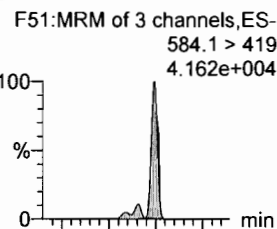
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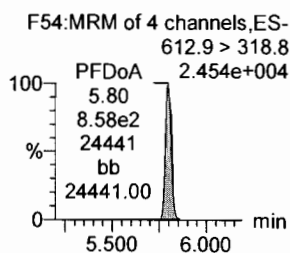
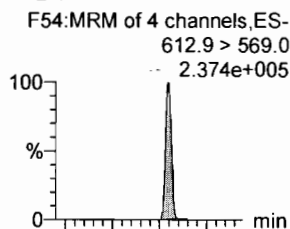
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Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

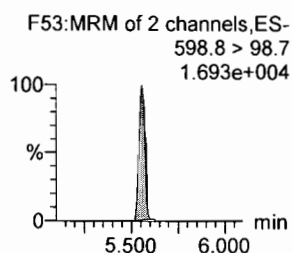
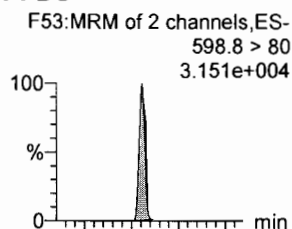
L-EtFOSAA



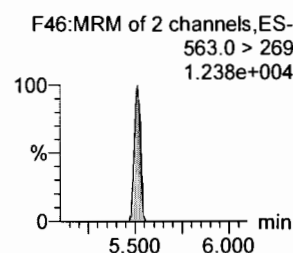
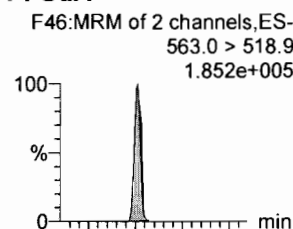
PFDaA



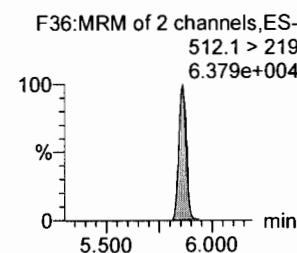
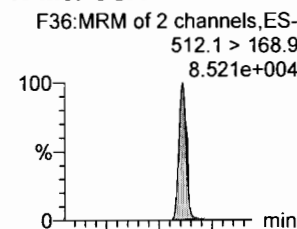
PFDS



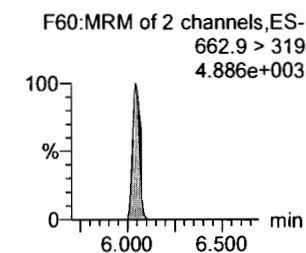
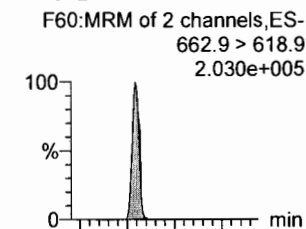
PFUdA



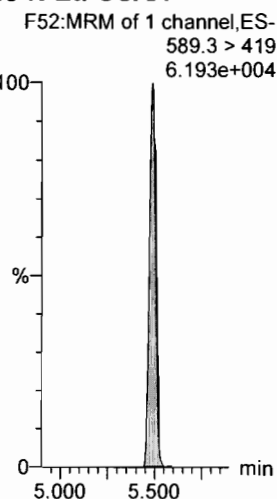
N-MeFOSA



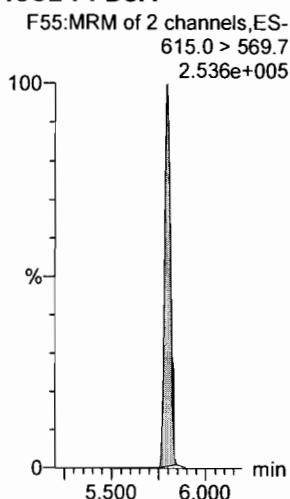
PFTrDA



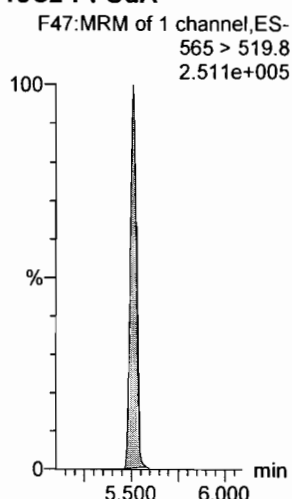
d5-N-EtFOSAA



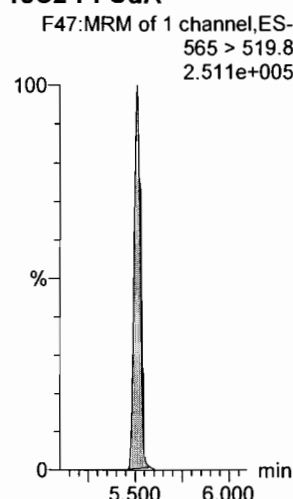
13C2-PFDaA



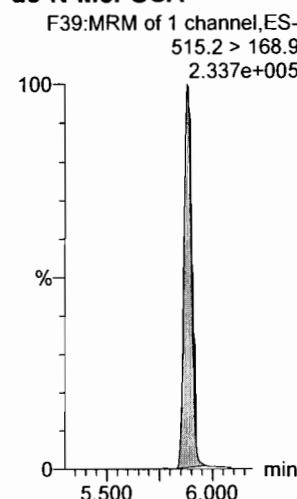
13C2-PFUdA



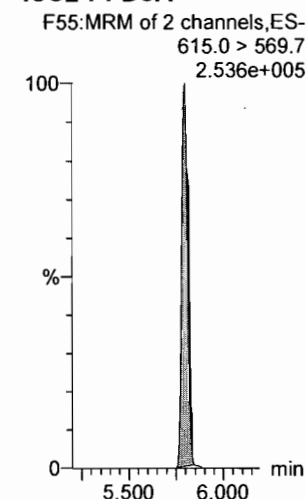
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



Dataset: Untitled

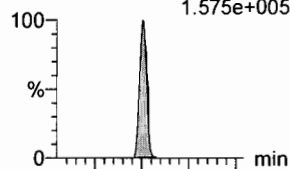
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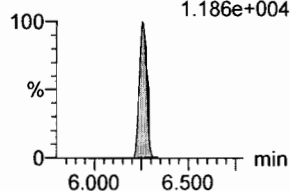
Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.575e+005

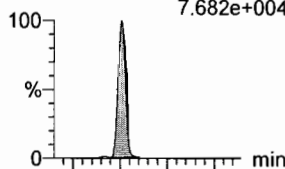


F61:MRM of 2 channels,ES-
712.9 > 369
1.186e+004

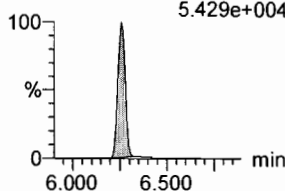


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
7.682e+004

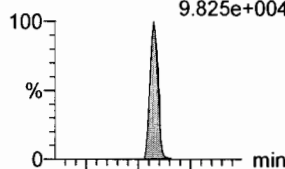


F41:MRM of 2 channels,ES-
526.1 > 219
5.429e+004

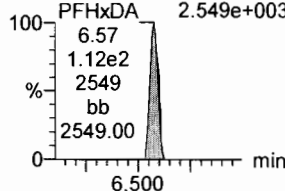


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
9.825e+004

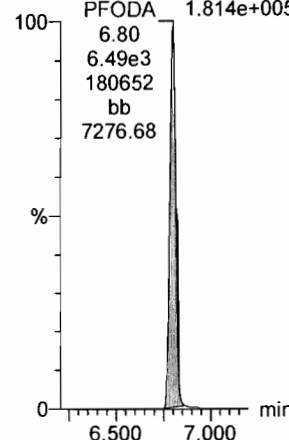


F63:MRM of 2 channels,ES-
813.1 > 219
2.549e+003



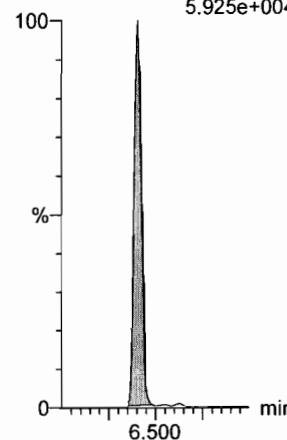
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.814e+005



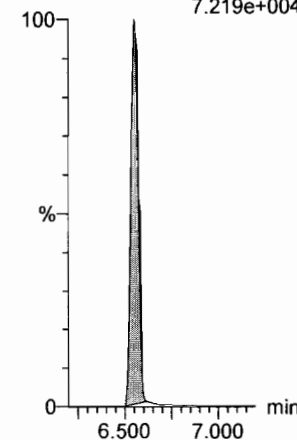
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
5.925e+004



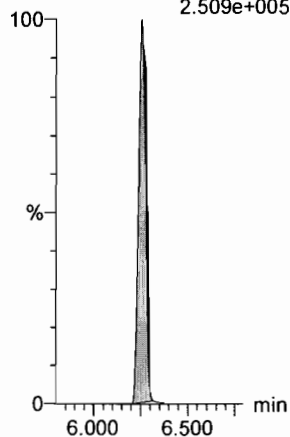
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
7.219e+004



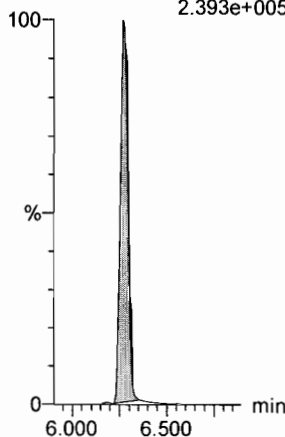
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
2.509e+005



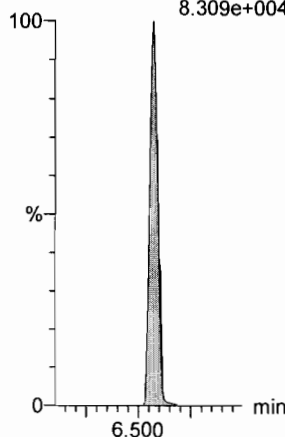
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.393e+005



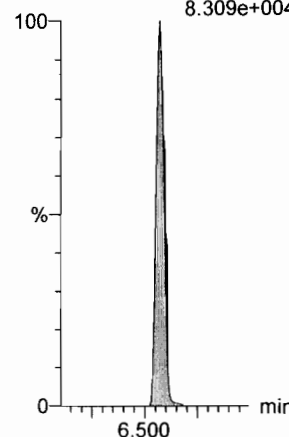
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.309e+004



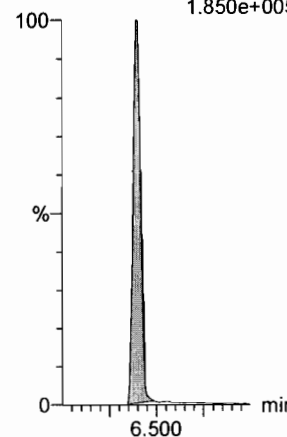
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.309e+004



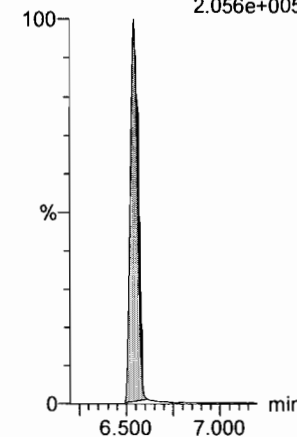
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.850e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.056e+005



Dataset: Untitled

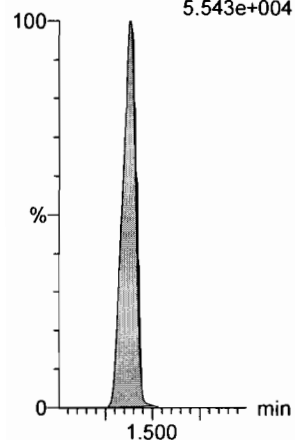
Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_7, Date: 26-Jul-2018, Time: 18:32:27, ID: ST180726M1-6 PFC CS3 18G1915, Description: PFC CS3 18G1915

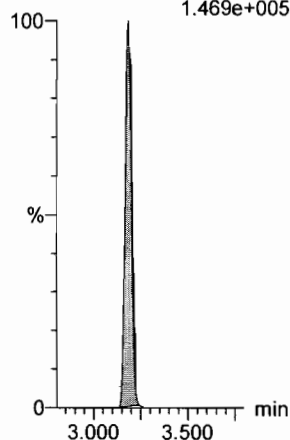
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.543e+004



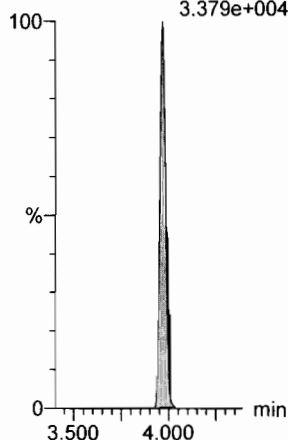
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.469e+005



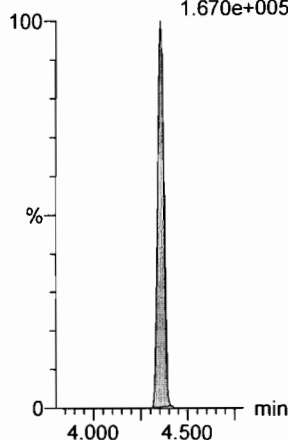
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.379e+004



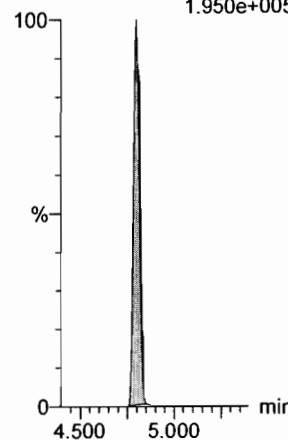
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.670e+005



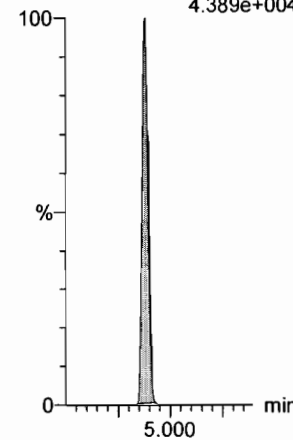
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.950e+005



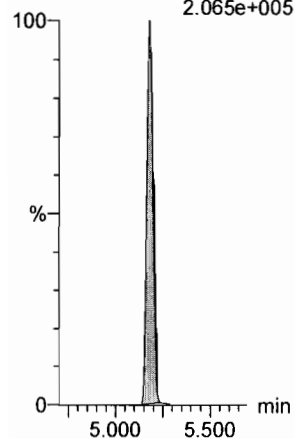
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.389e+004



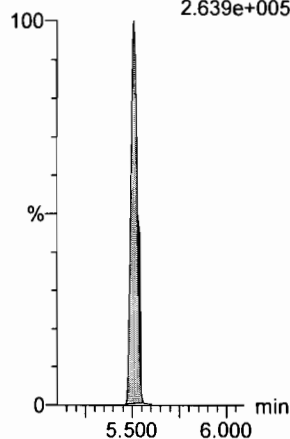
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.065e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.639e+005



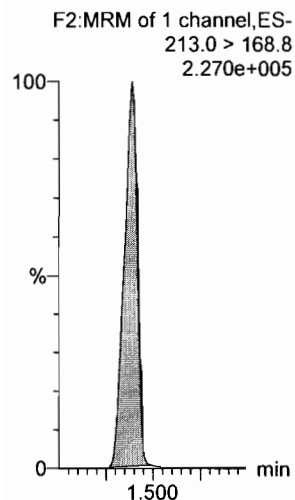
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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

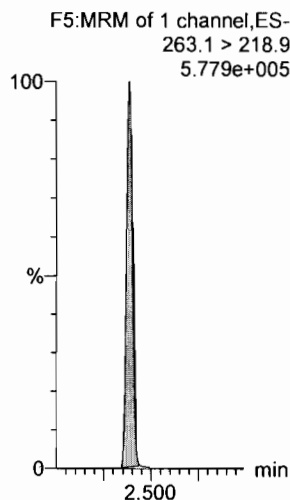
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Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

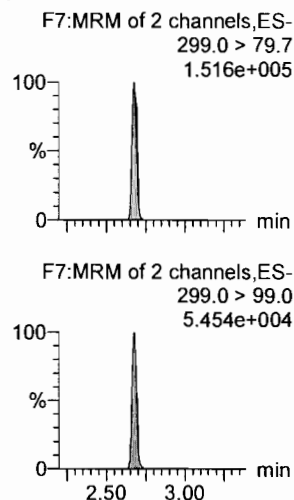
PFBA



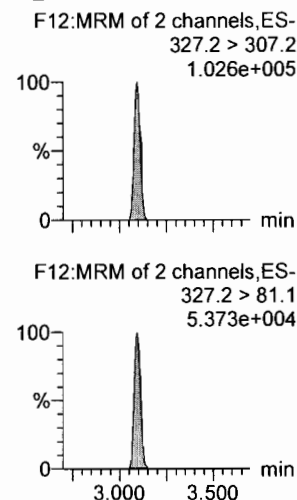
PFPeA



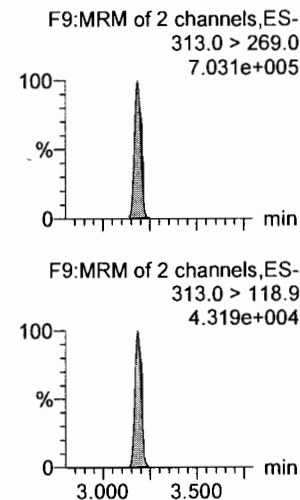
PFBS



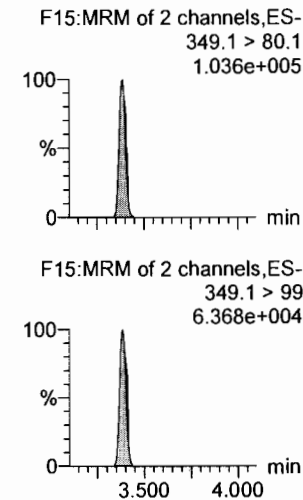
4:2 FTS



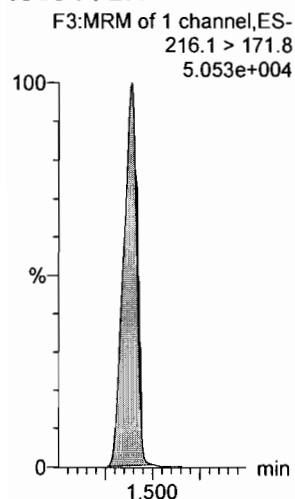
PFHxA



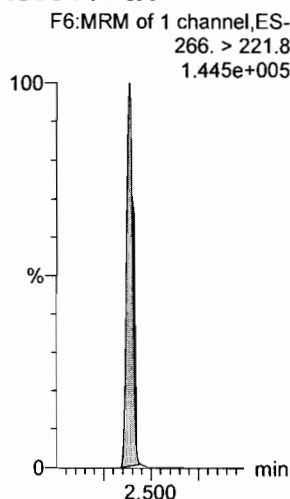
PFPeS



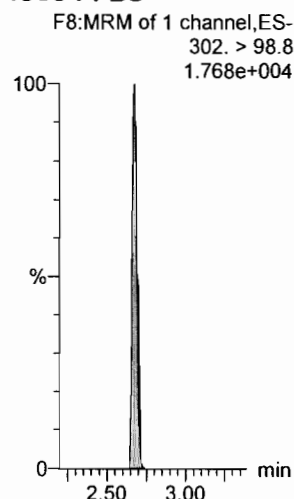
13C3-PFBA



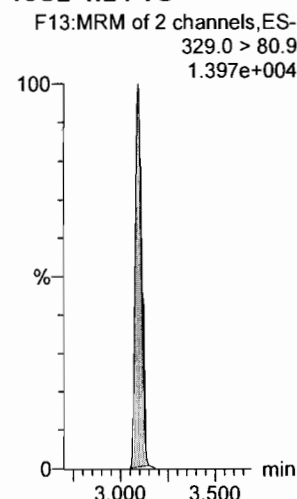
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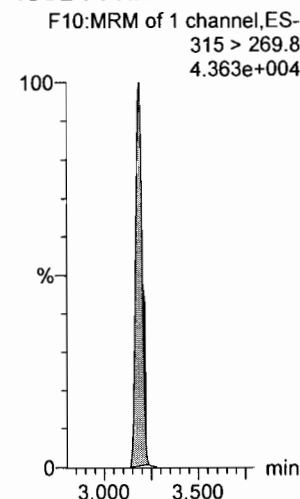
13C3-PFBS



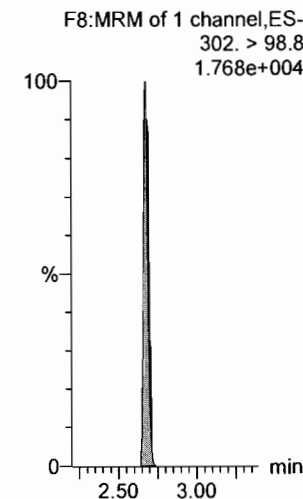
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



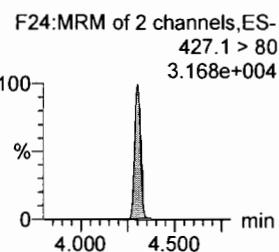
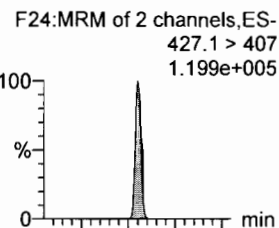
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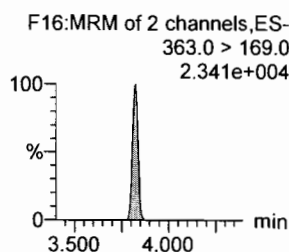
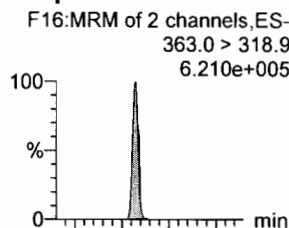
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Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

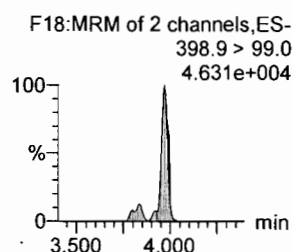
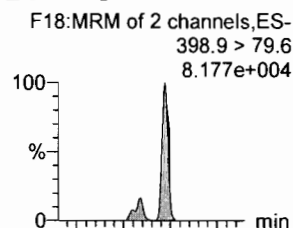
6:2 FTS



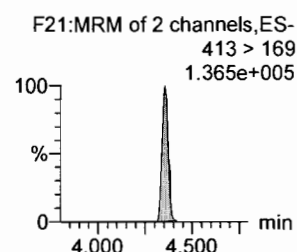
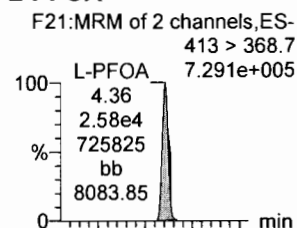
PFHpA



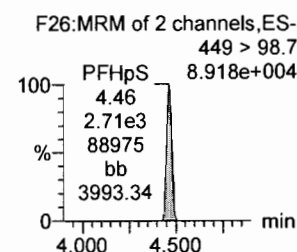
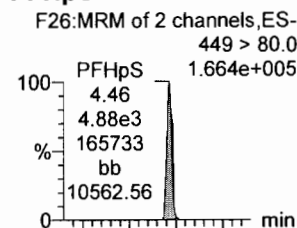
L-PFHxS



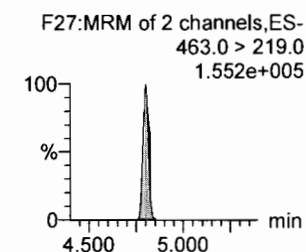
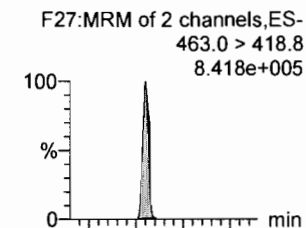
L-PFOA



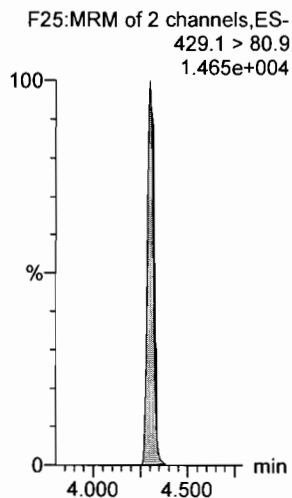
PFHpS



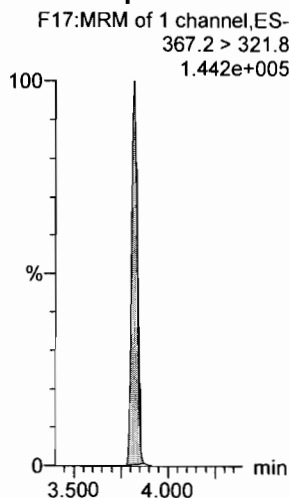
PFNA



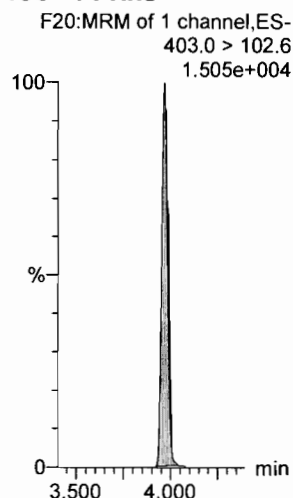
13C2-6:2 FTS



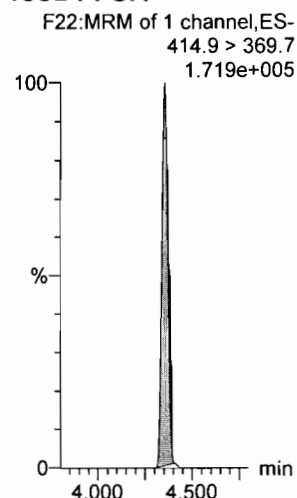
13C4-PFHpA



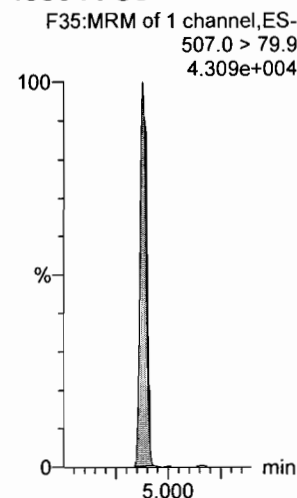
18O2-PFHxS



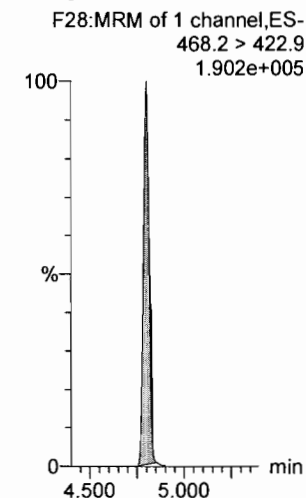
13C2-PFOA



13C8-PFOS



13C5-PFNA



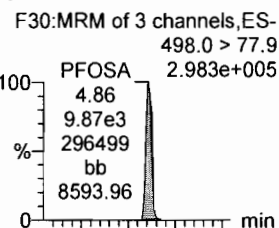
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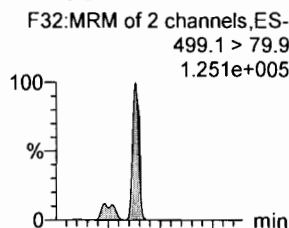
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

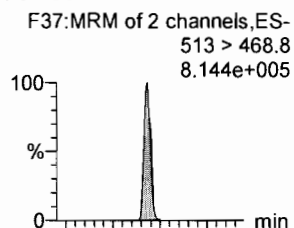
PFOSA



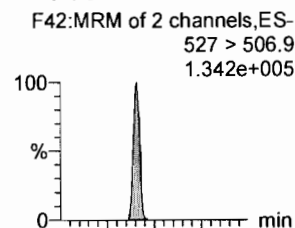
L-PFOS



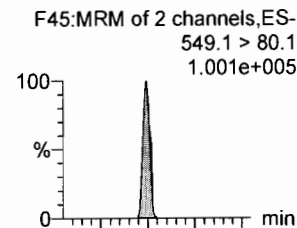
PFDA



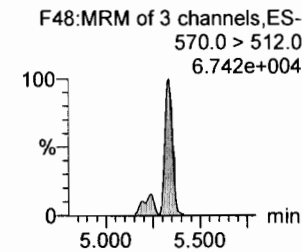
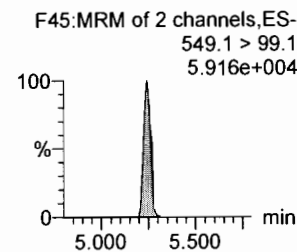
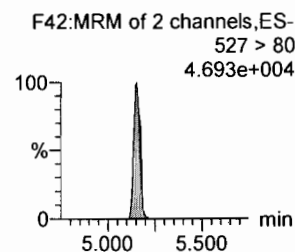
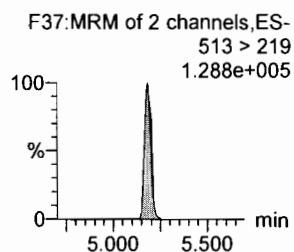
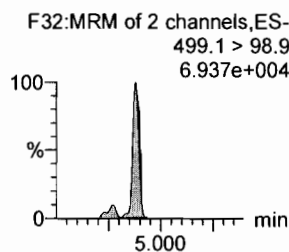
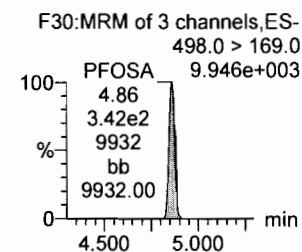
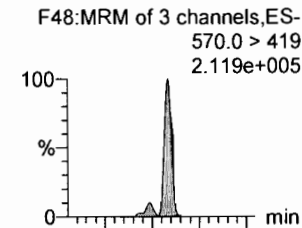
8:2 FTS



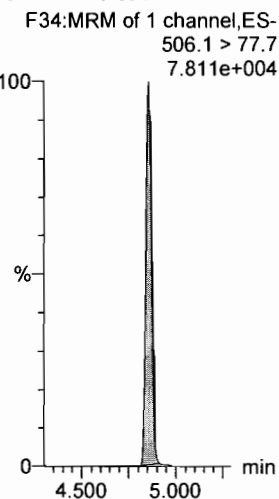
PFNS



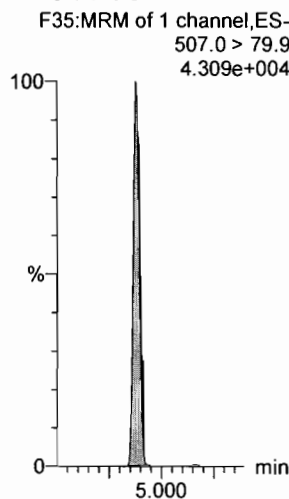
L-MeFOSAA



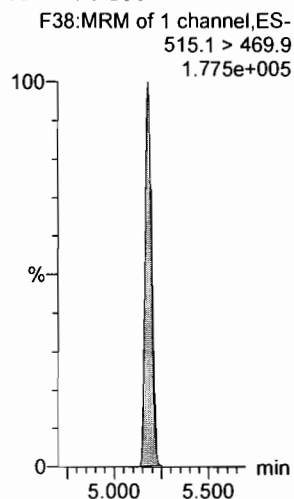
13C8-PFOSA



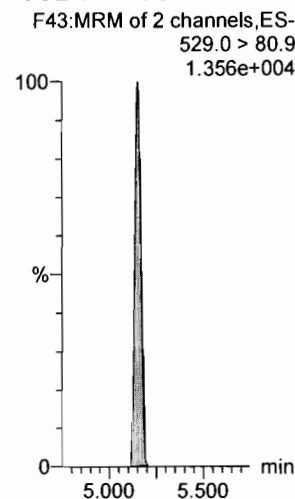
13C8-PFOS



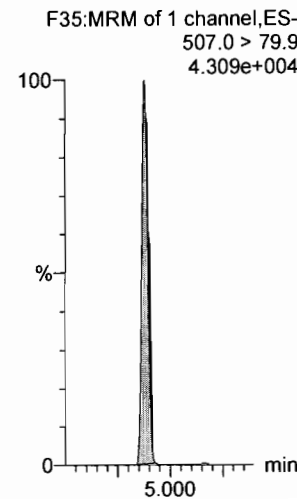
13C2-PFDA



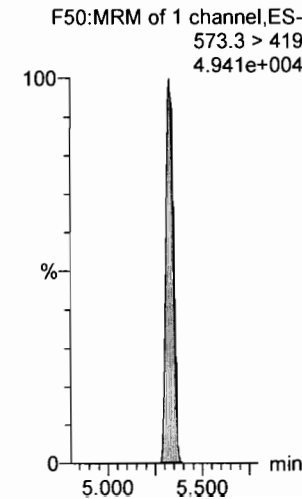
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

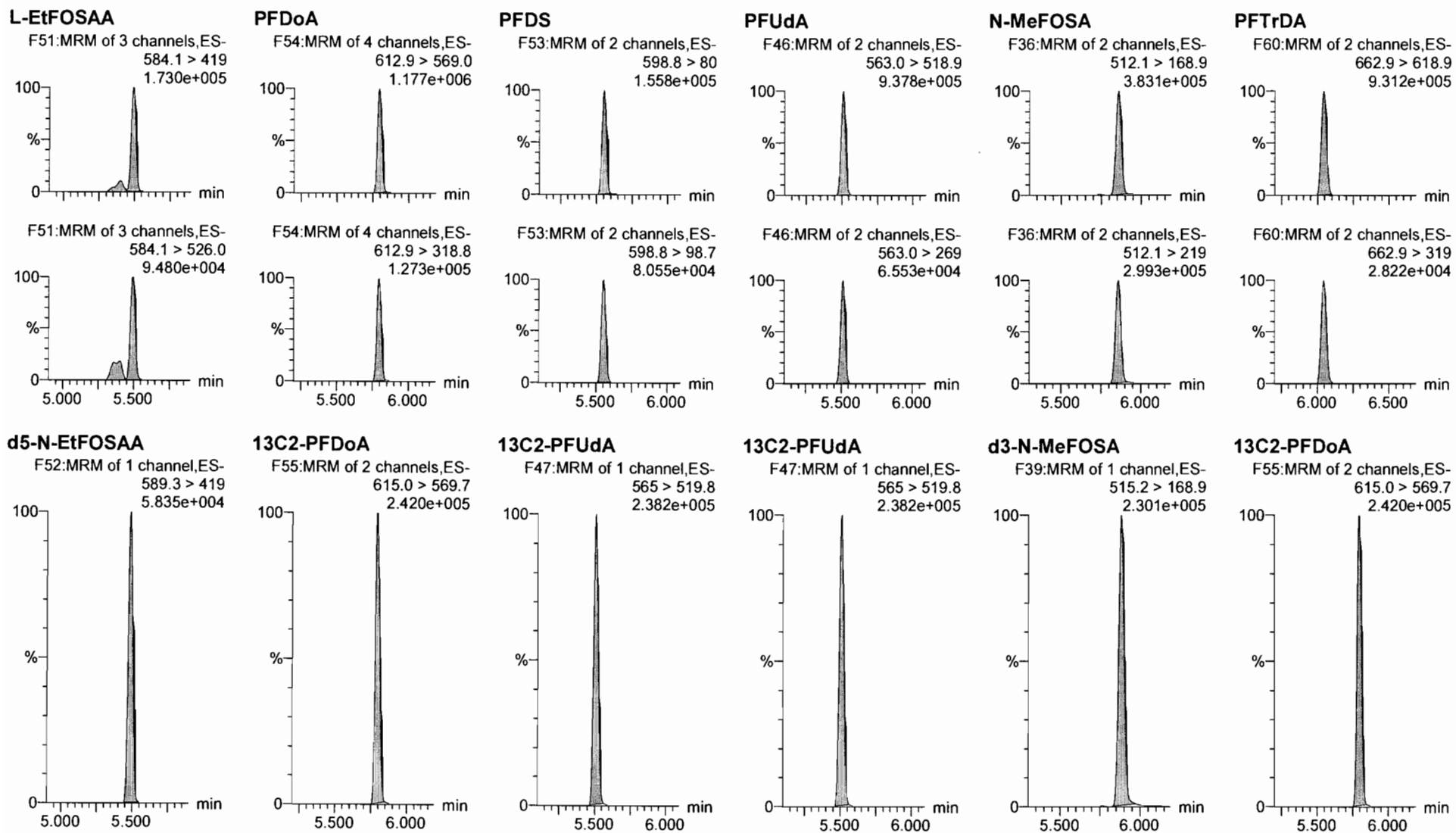


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Last Altered: Friday, July 27, 2018 09:23:39 Pacific Daylight Time

Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

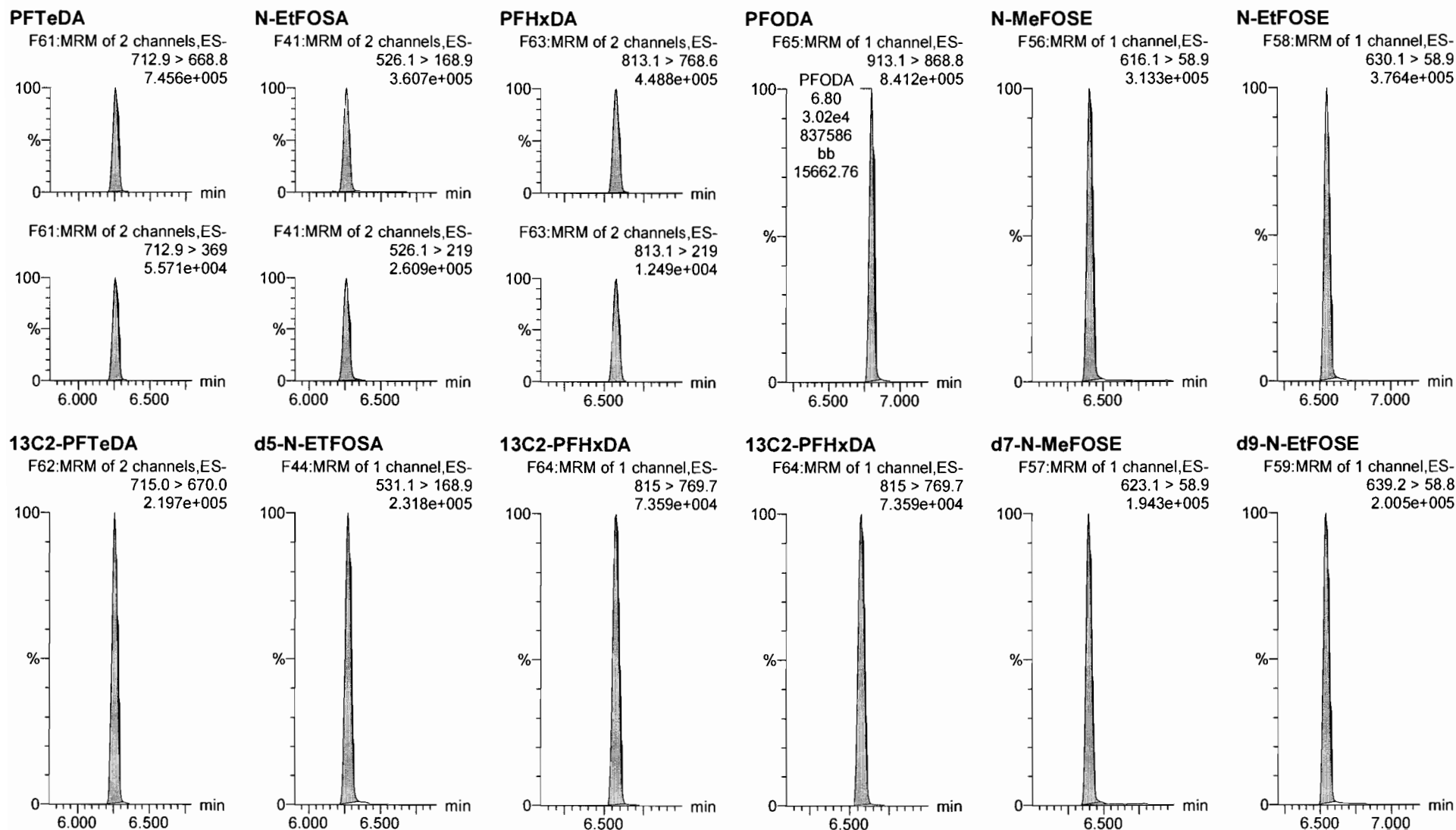


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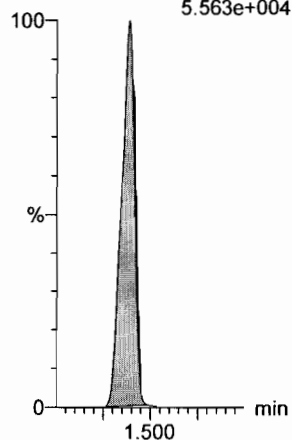
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Name: 180726M1_8, Date: 26-Jul-2018, Time: 18:42:57, ID: ST180726M1-7 PFC CS4 18G1916, Description: PFC CS4 18G1916

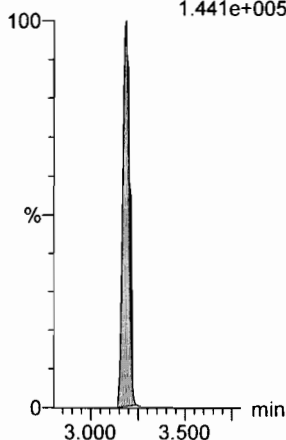
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.563e+004



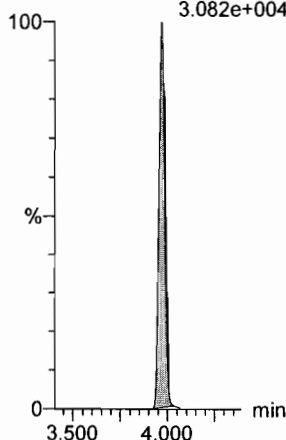
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.441e+005



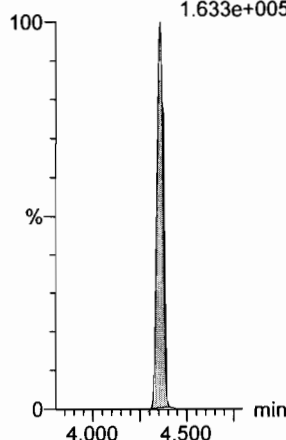
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.082e+004



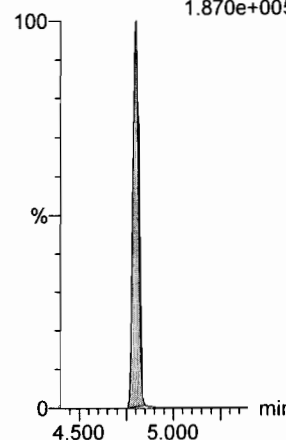
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.633e+005



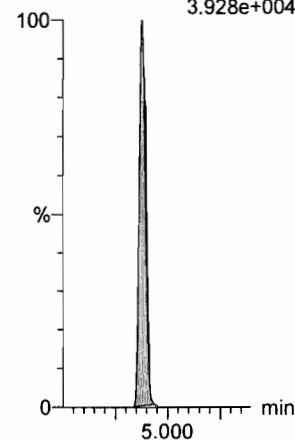
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.870e+005



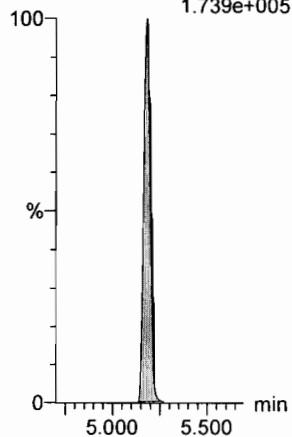
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.928e+004



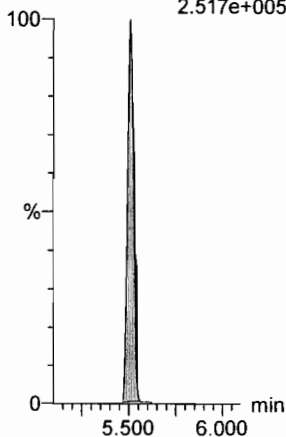
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.739e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.517e+005



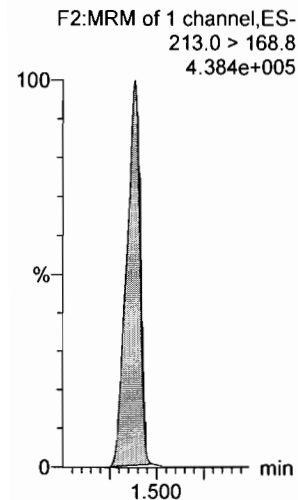
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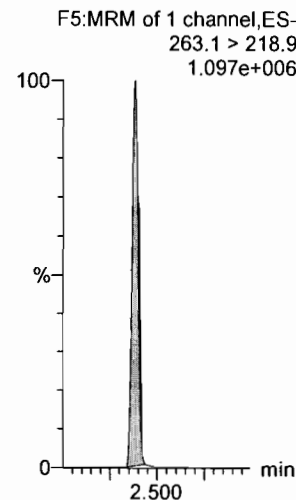
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Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

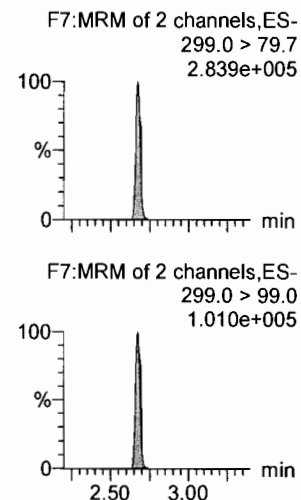
PFBA



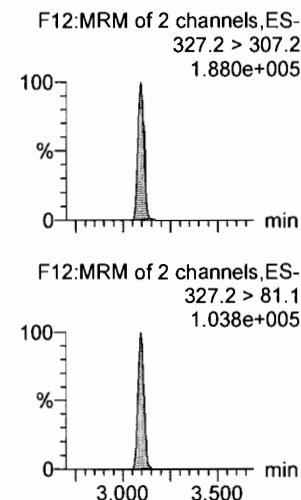
PFPeA



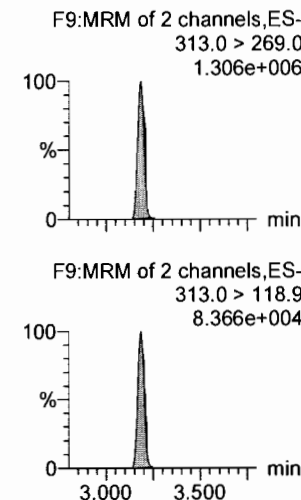
PFBS



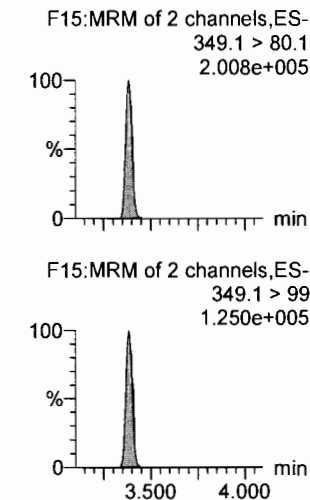
4:2 FTS



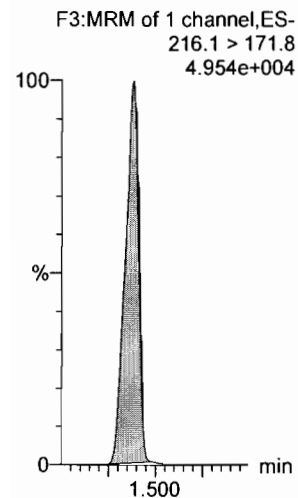
PFHxA



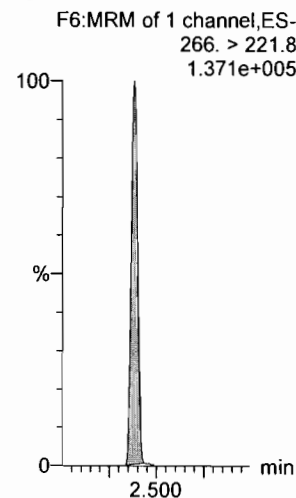
PFPeS



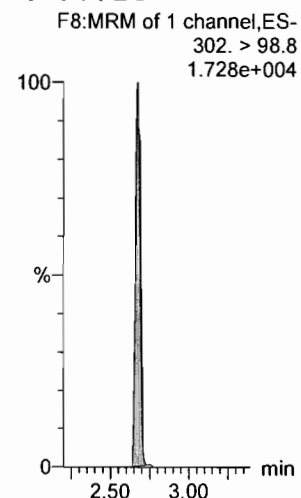
13C3-PFBA



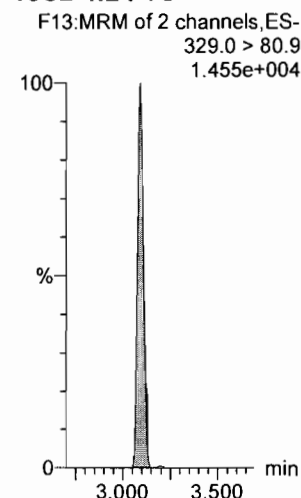
13C3-PFPeA



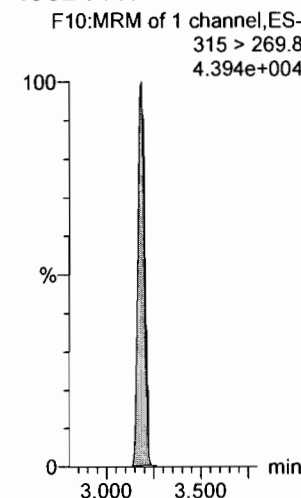
13C3-PFBS



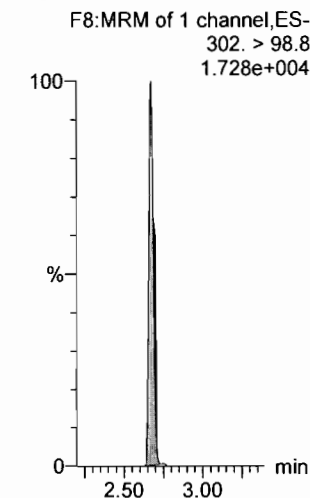
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



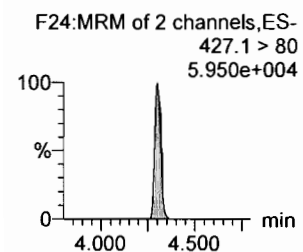
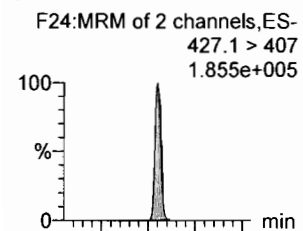
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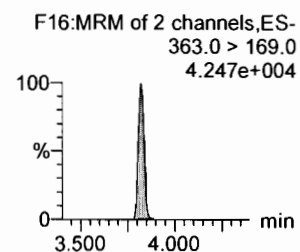
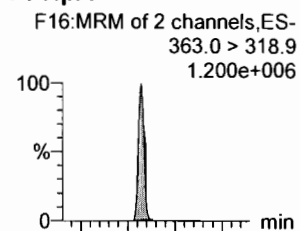
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Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

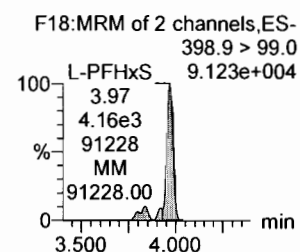
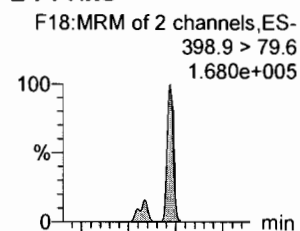
6:2 FTS



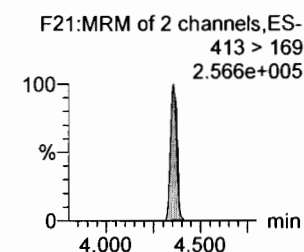
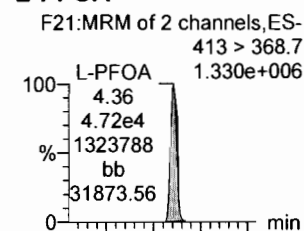
PFHpA



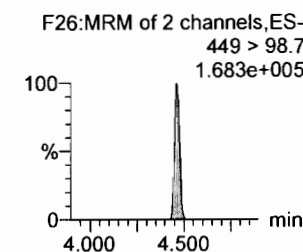
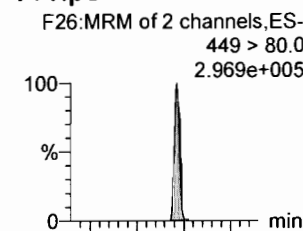
L-PFHxS



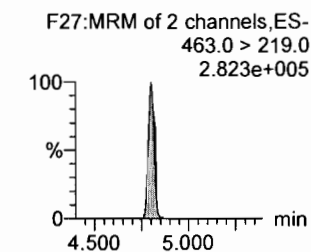
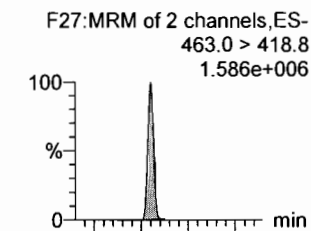
L-PFOA



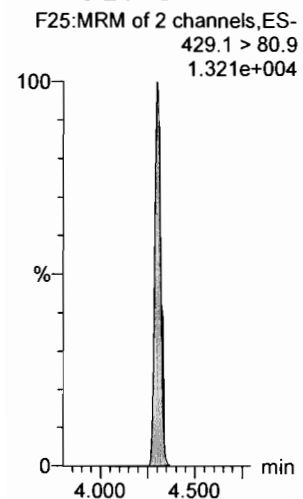
PFHpS



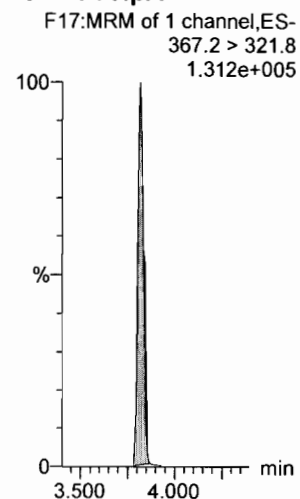
PFNA



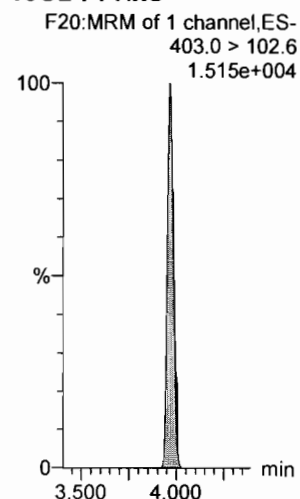
13C2-6:2 FTS



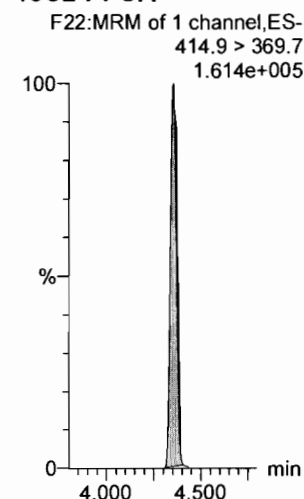
13C4-PFHpA



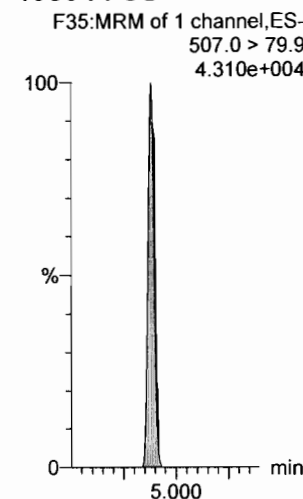
18O2-PFHxS



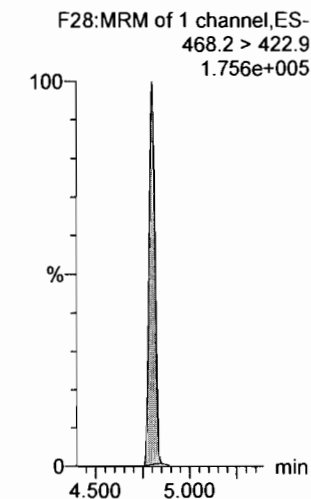
13C2-PFOA



13C8-PFOS



13C5-PFNA



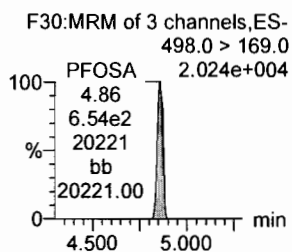
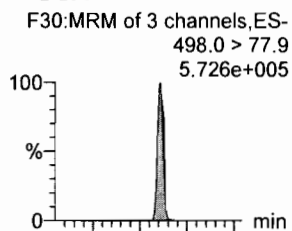
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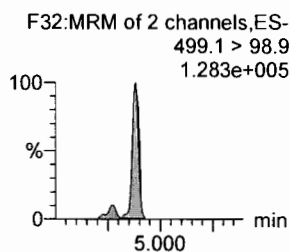
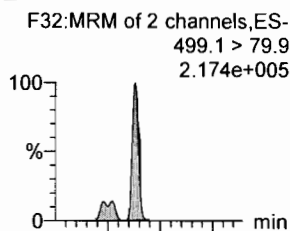
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Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

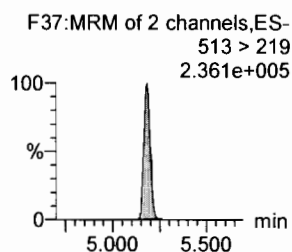
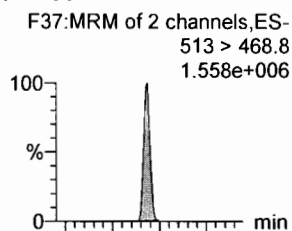
PFOSA



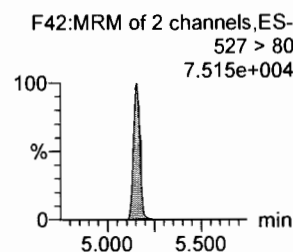
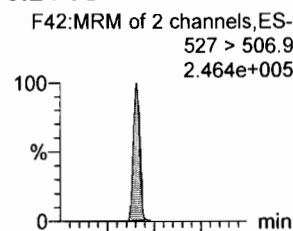
L-PFOS



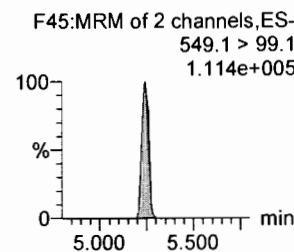
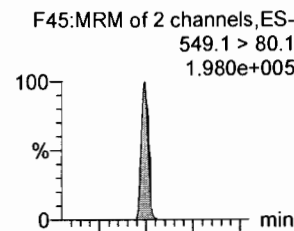
PFDA



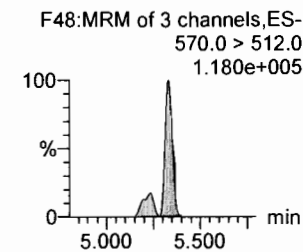
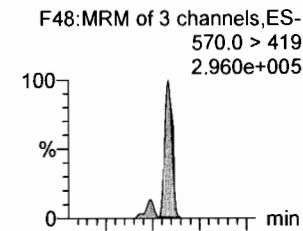
8:2 FTS



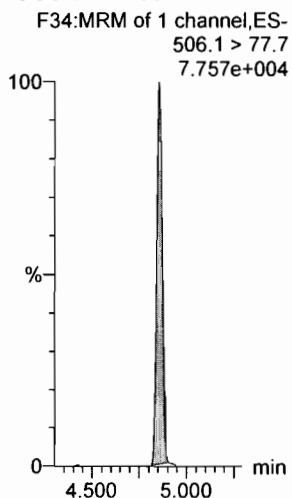
PFNS



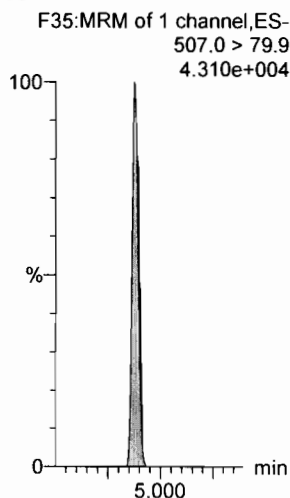
L-MeFOSAA



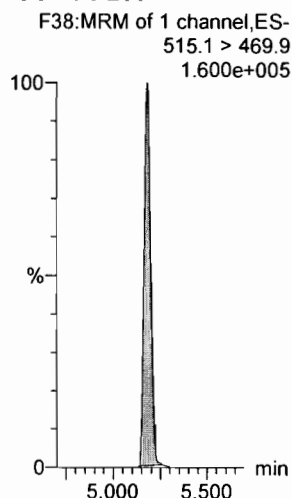
13C8-PFOSA



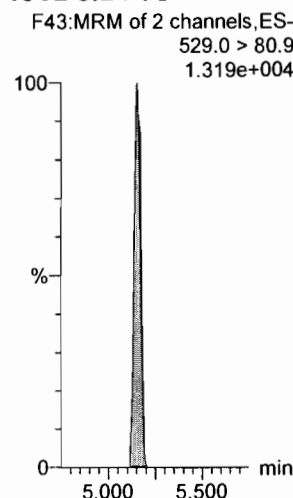
13C8-PFOS



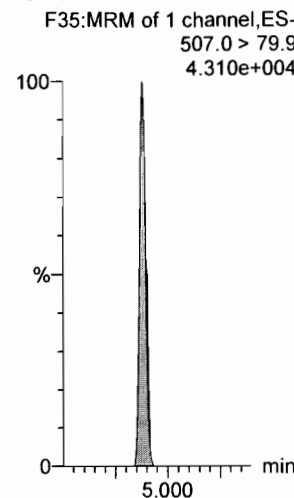
13C2-PFDA



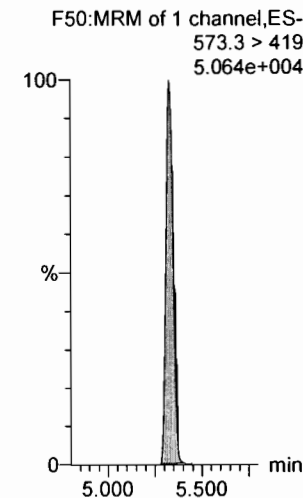
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



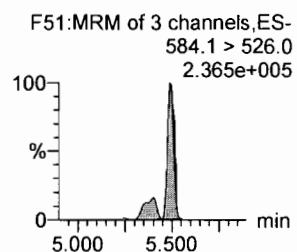
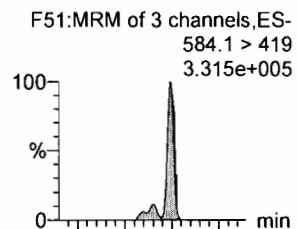
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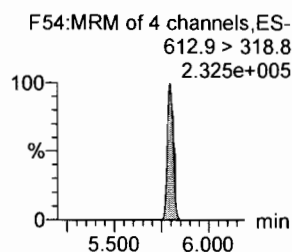
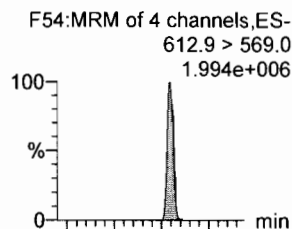
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Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

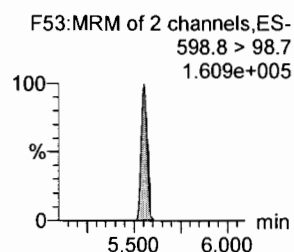
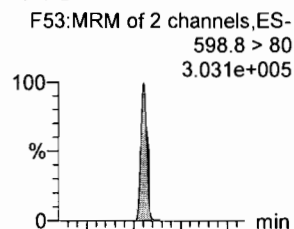
L-EtFOSAA



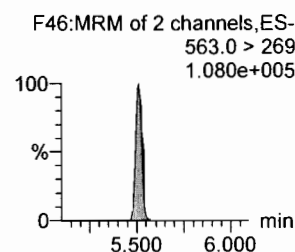
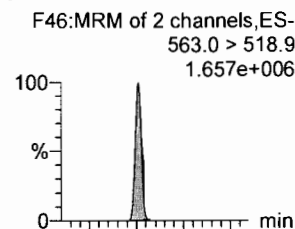
PFDaA



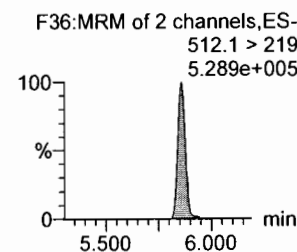
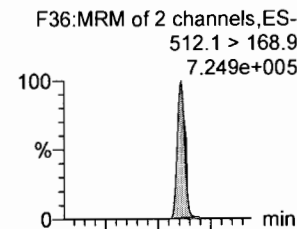
PFDS



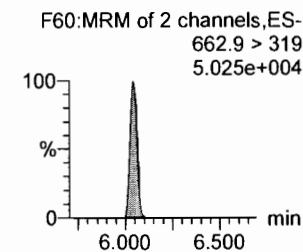
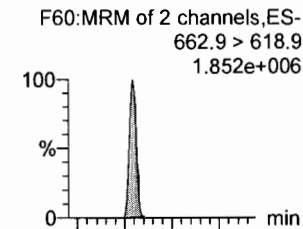
PFUdA



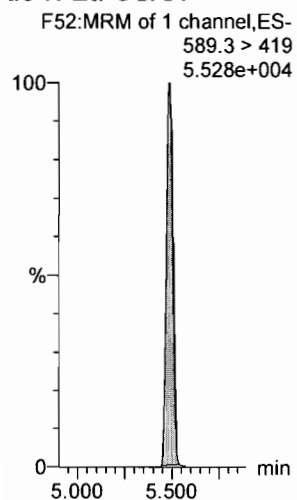
N-MeFOSA



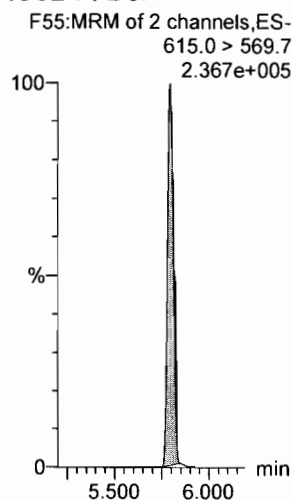
PFTTrDA



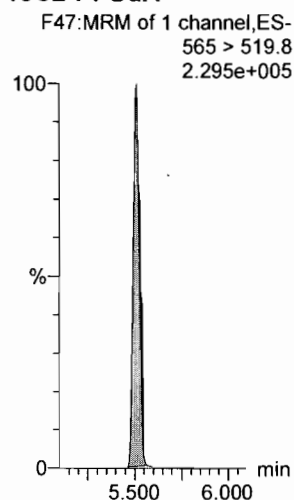
d5-N-EtFOSAA



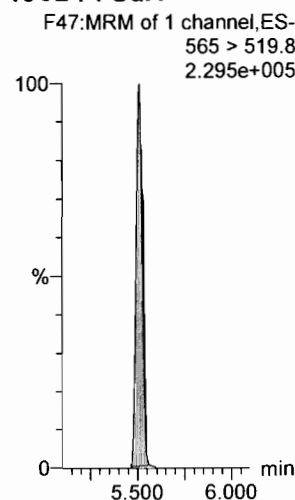
13C2-PFDaA



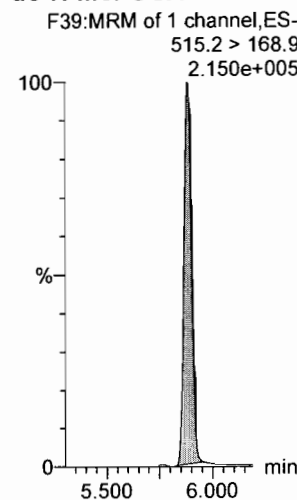
13C2-PFUdA



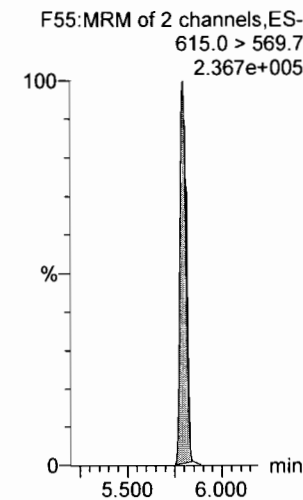
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



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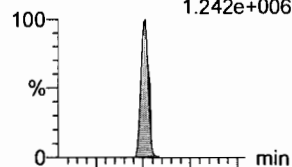
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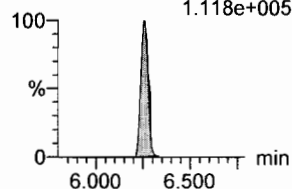
Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.242e+006

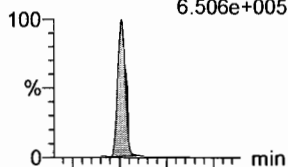


F61:MRM of 2 channels,ES-
712.9 > 369
1.118e+005

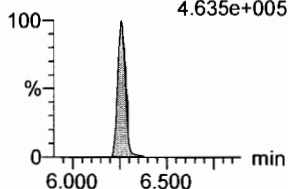


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
6.506e+005

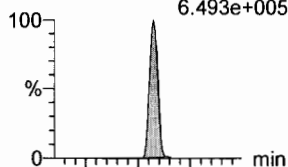


F41:MRM of 2 channels,ES-
526.1 > 219
4.635e+005

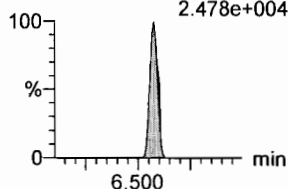


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
6.493e+005

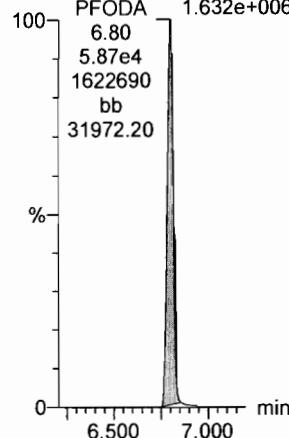


F63:MRM of 2 channels,ES-
813.1 > 219
2.478e+004



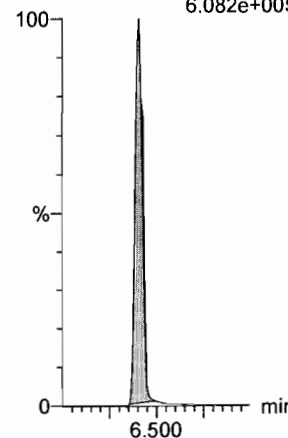
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.632e+006



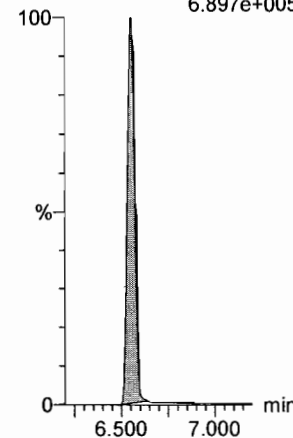
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
6.082e+005



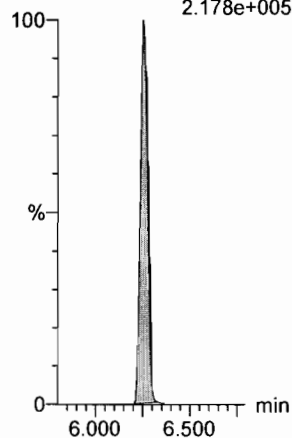
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
6.897e+005



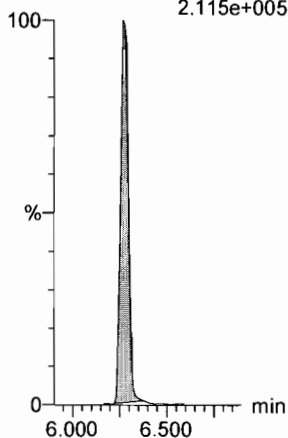
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
2.178e+005



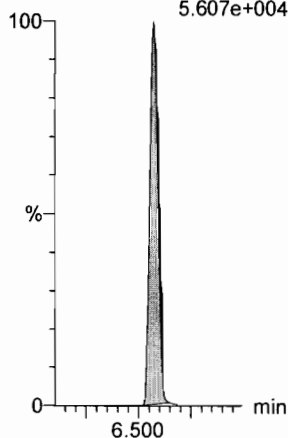
d5-N-ETFOSE

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.115e+005



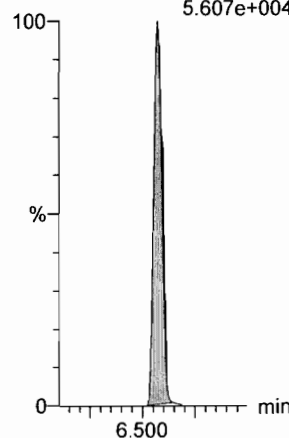
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
5.607e+004



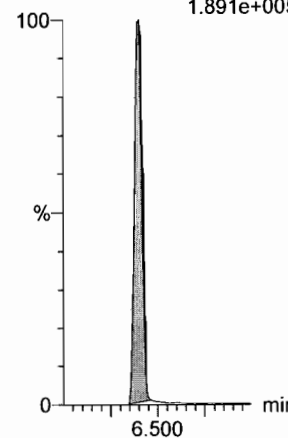
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
5.607e+004



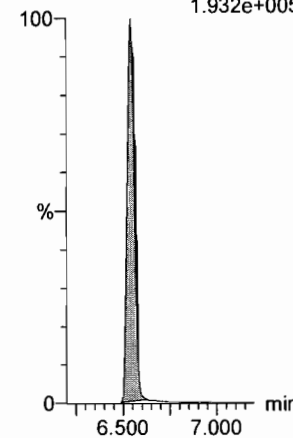
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.891e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
1.932e+005



Dataset: Untitled

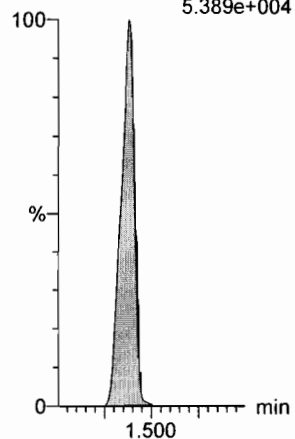
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Name: 180726M1_9, Date: 26-Jul-2018, Time: 18:53:21, ID: ST180726M1-8 PFC CS5 18G1917, Description: PFC CS5 18G1917

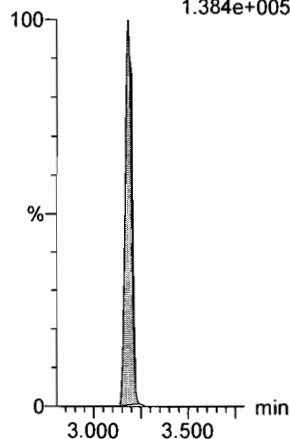
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.389e+004



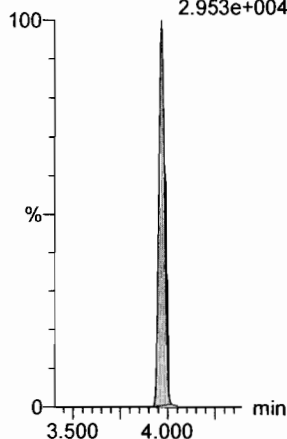
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.384e+005



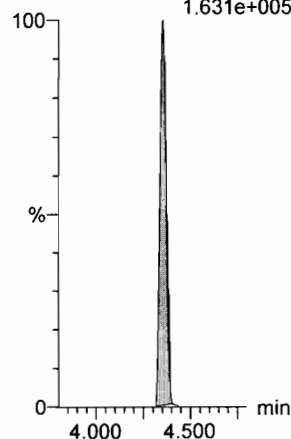
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
2.953e+004



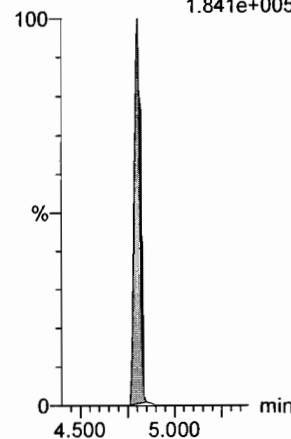
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.631e+005



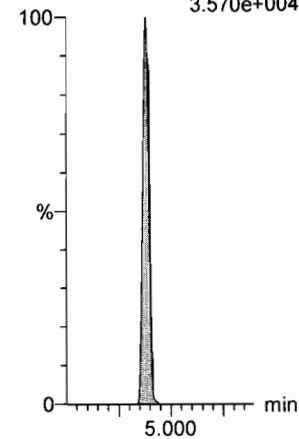
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.841e+005



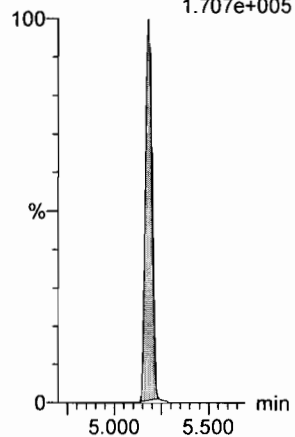
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.570e+004



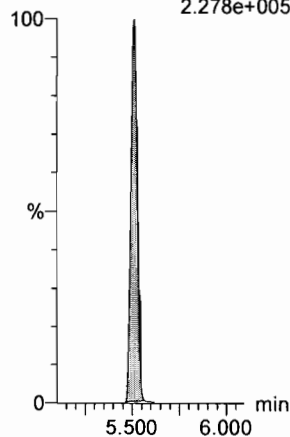
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.707e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.278e+005



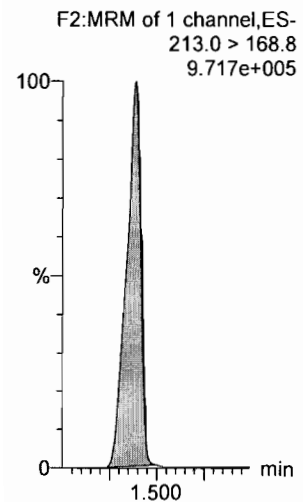
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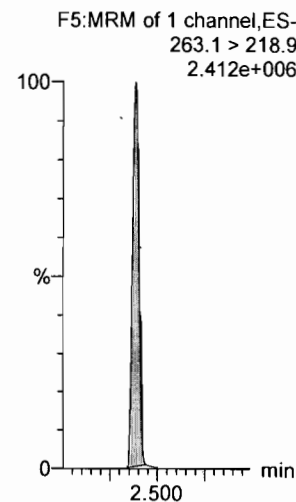
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Name: 180726M1_10, Date: 26-Jul-2018, Time: 19:03:52, ID: ST180726M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

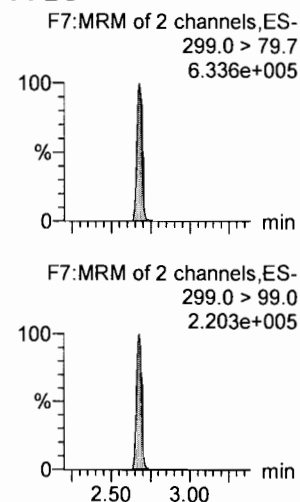
PFBA



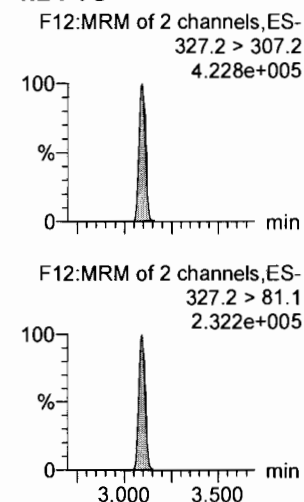
PFPeA



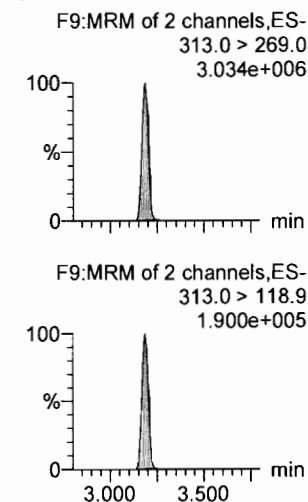
PFBS



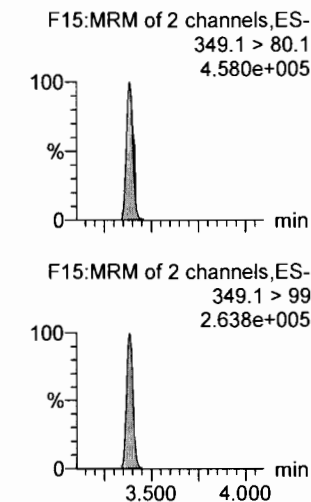
4:2 FTS



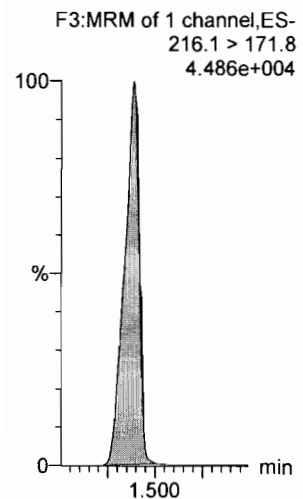
PFHxA



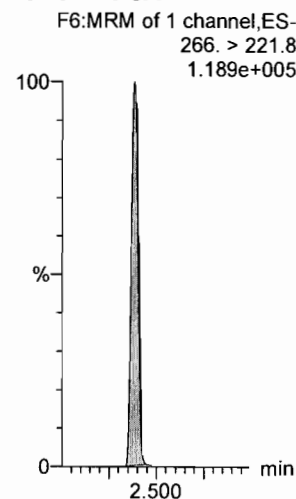
PFPeS



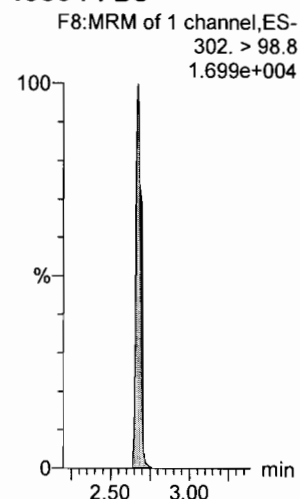
13C3-PFBA



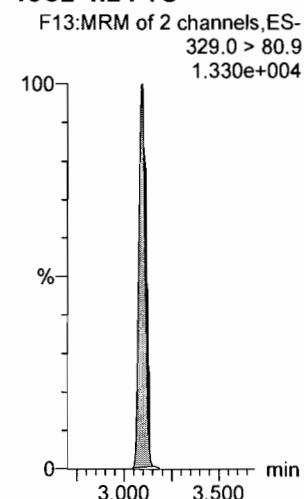
13C3-PFPeA



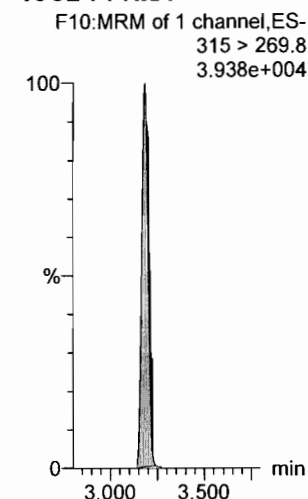
13C3-PFBS



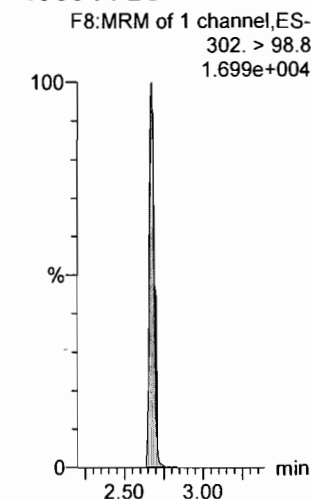
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Untitled

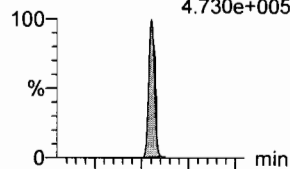
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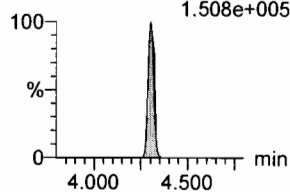
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6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
4.730e+005

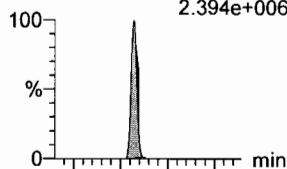


F24:MRM of 2 channels,ES-
427.1 > 80
1.508e+005

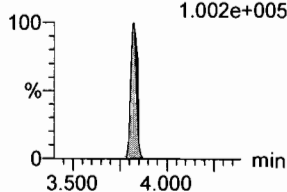


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
2.394e+006

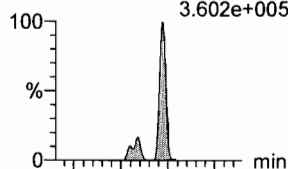


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.002e+005

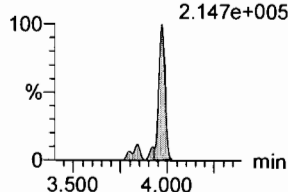


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
3.602e+005

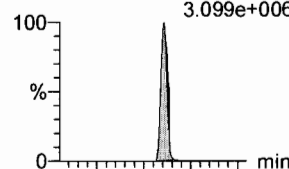


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.147e+005

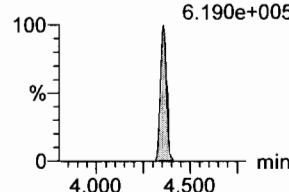


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
3.099e+006

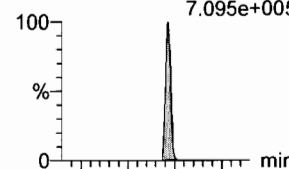


F21:MRM of 2 channels,ES-
413 > 169
6.190e+005

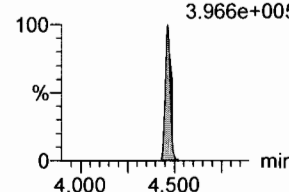


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
7.095e+005

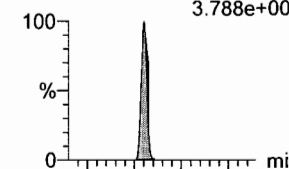


F26:MRM of 2 channels,ES-
449 > 98.7
3.966e+005

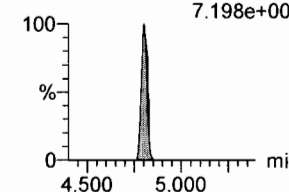


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
3.788e+006

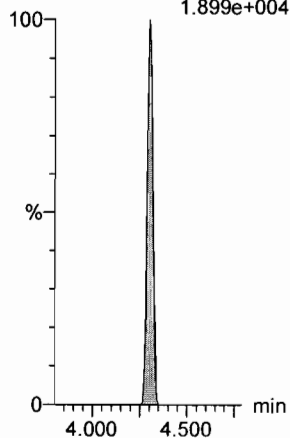


F27:MRM of 2 channels,ES-
463.0 > 219.0
7.198e+005



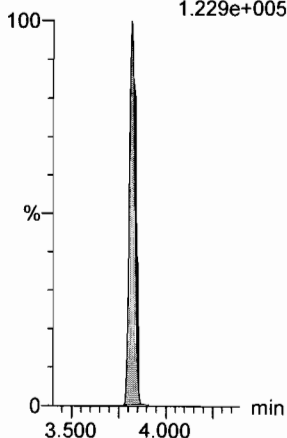
13C2-6:2 FTS

F25:MRM of 2 channels,ES-
429.1 > 80.9
1.899e+004



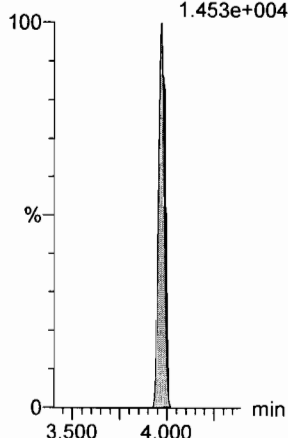
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.229e+005



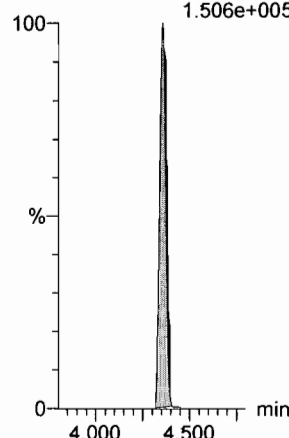
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.453e+004



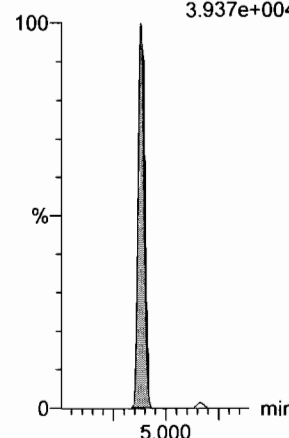
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
1.506e+005



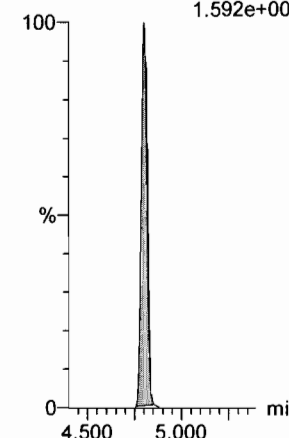
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
3.937e+004



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.592e+005



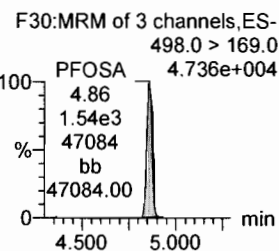
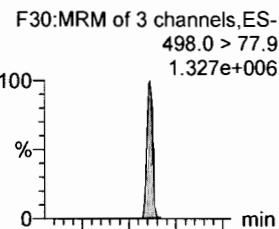
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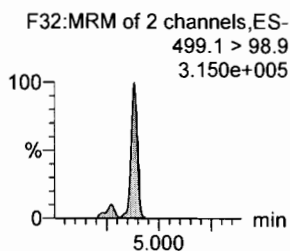
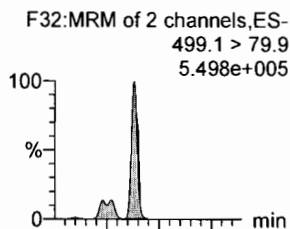
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Name: 180726M1_10, Date: 26-Jul-2018, Time: 19:03:52, ID: ST180726M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

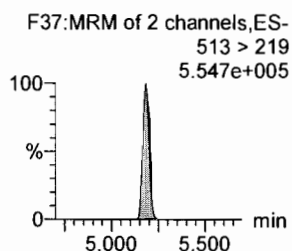
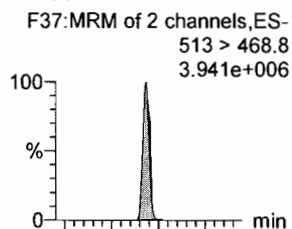
PFOSA



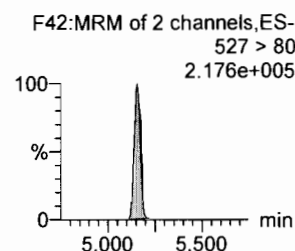
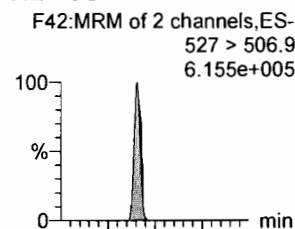
L-PFOS



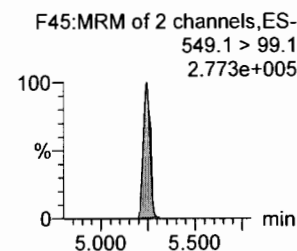
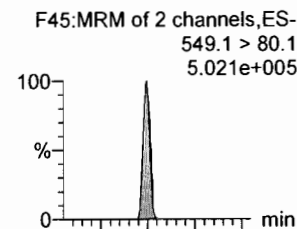
PFDA



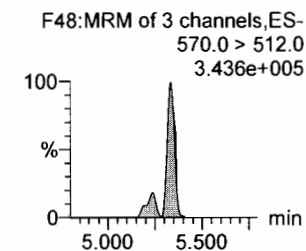
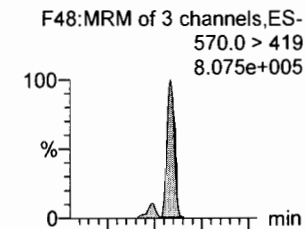
8:2 FTS



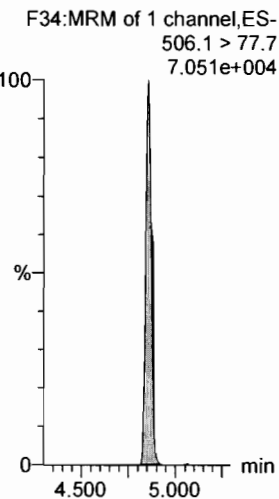
PFNS



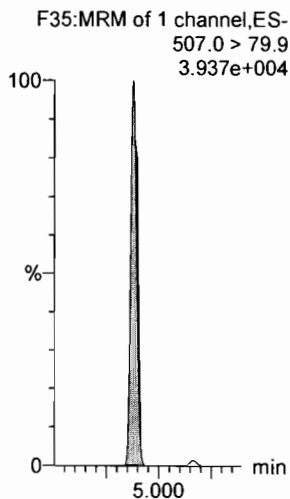
L-MeFOSAA



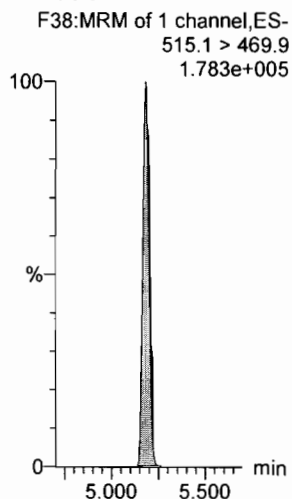
13C8-PFOSA



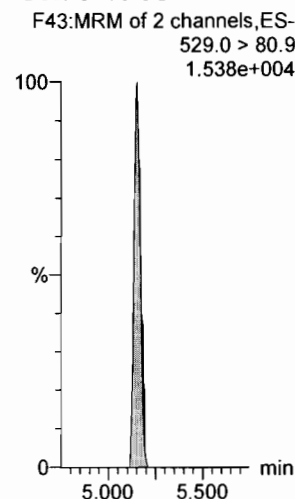
13C8-PFOS



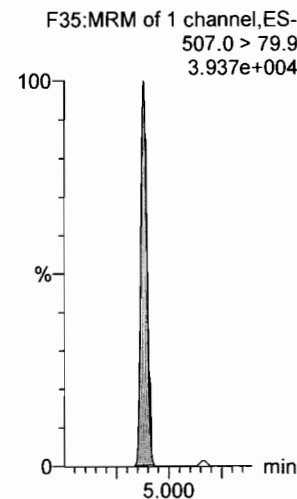
13C2-PFDA



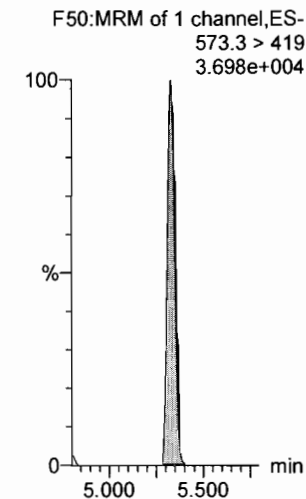
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

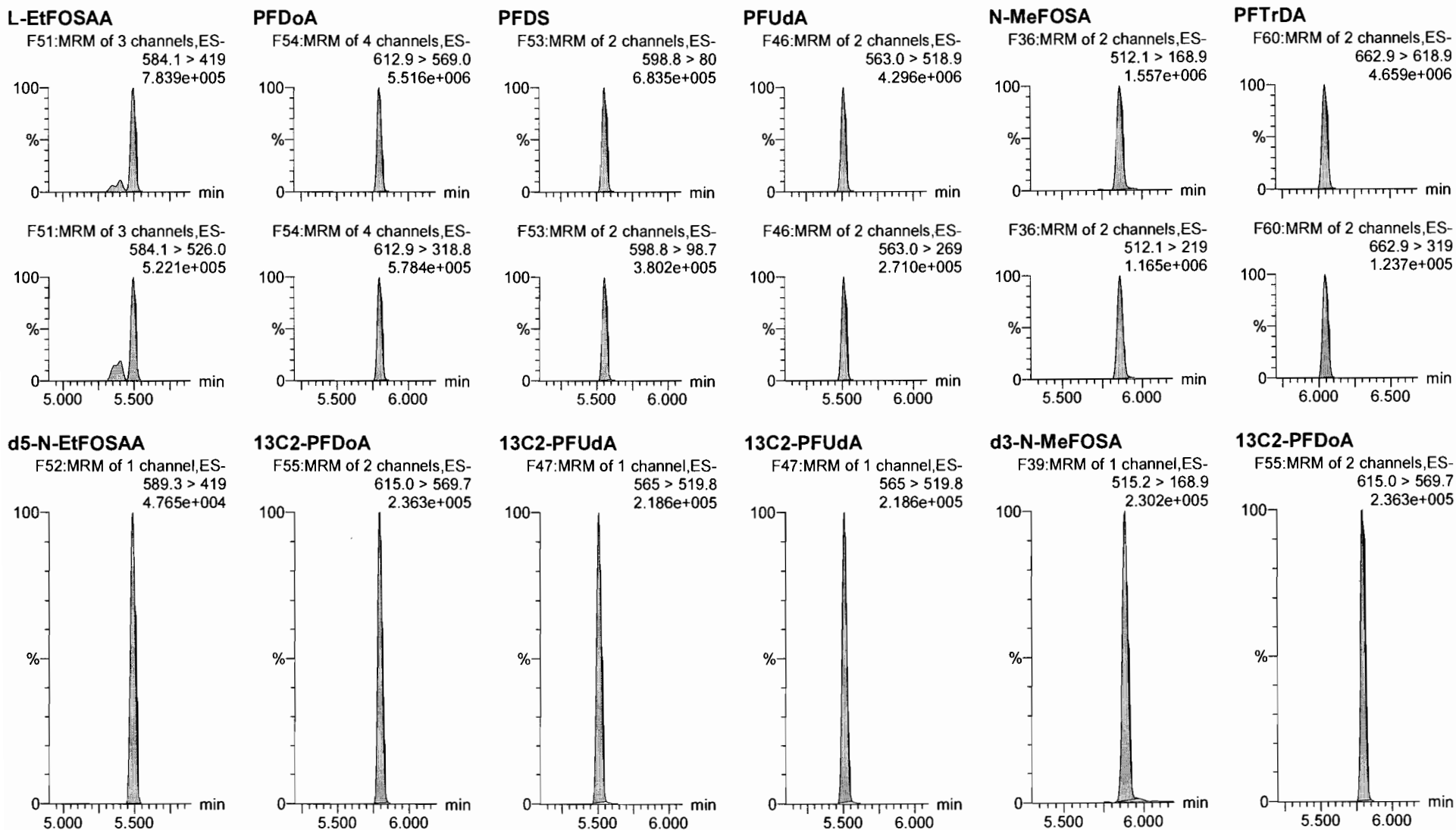


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Name: 180726M1_10, Date: 26-Jul-2018, Time: 19:03:52, ID: ST180726M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918



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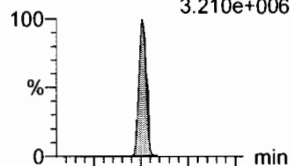
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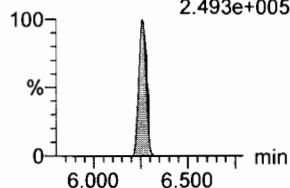
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PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
3.210e+006

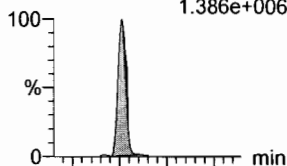


F61:MRM of 2 channels,ES-
712.9 > 369
2.493e+005

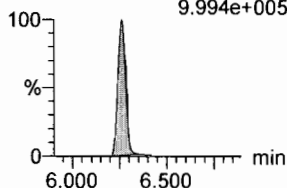


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.386e+006

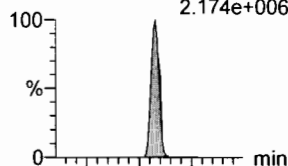


F41:MRM of 2 channels,ES-
526.1 > 219
9.994e+005

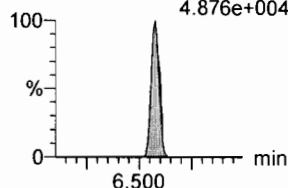


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
2.174e+006

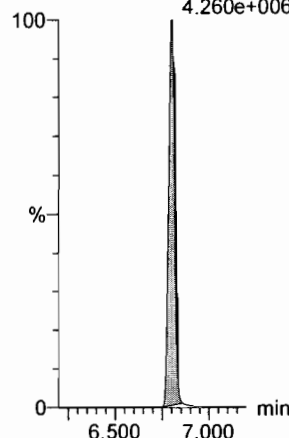


F63:MRM of 2 channels,ES-
813.1 > 219
4.876e+004



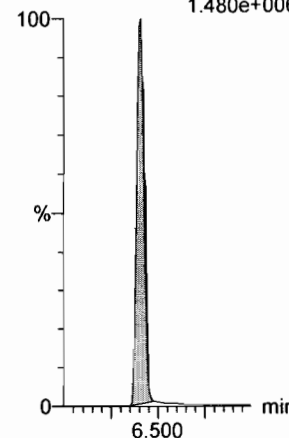
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
4.260e+006



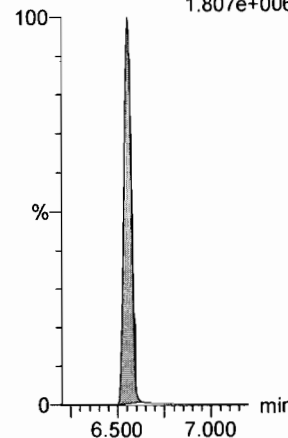
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.480e+006



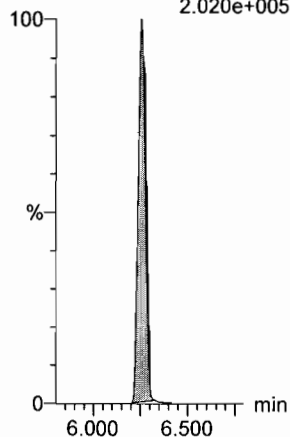
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.807e+006



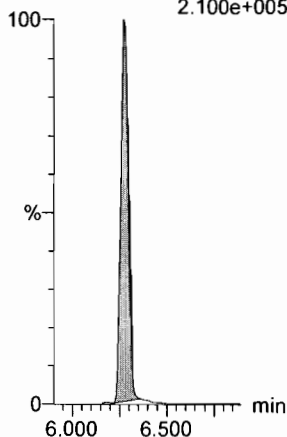
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
2.020e+005



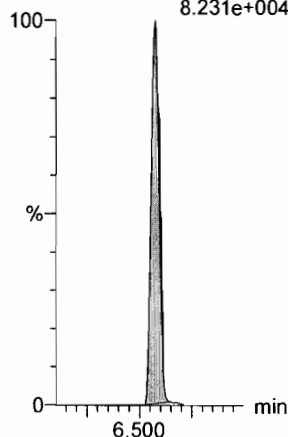
d5-N-ETFOSE

F44:MRM of 1 channel,ES-
531.1 > 168.9
2.100e+005



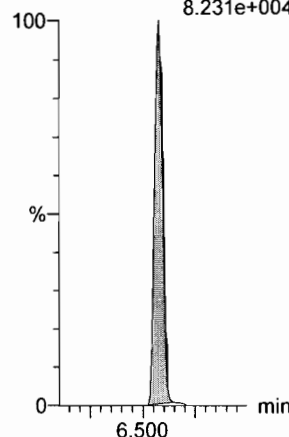
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.231e+004



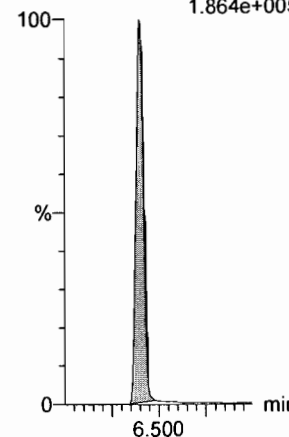
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.231e+004



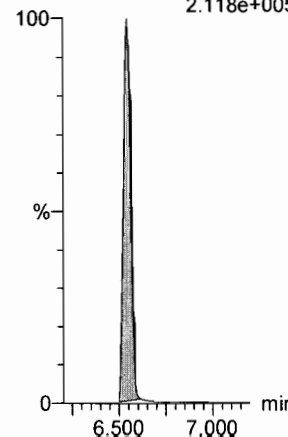
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.864e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.118e+005



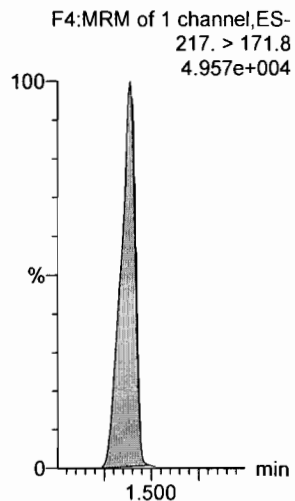
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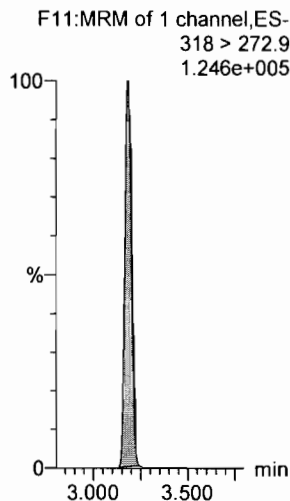
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Name: 180726M1_10, Date: 26-Jul-2018, Time: 19:03:52, ID: ST180726M1-9 PFC CS6 18G1918, Description: PFC CS6 18G1918

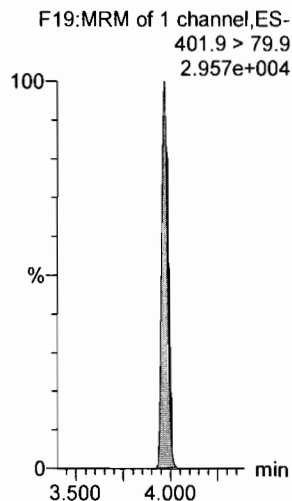
13C4-PFBA



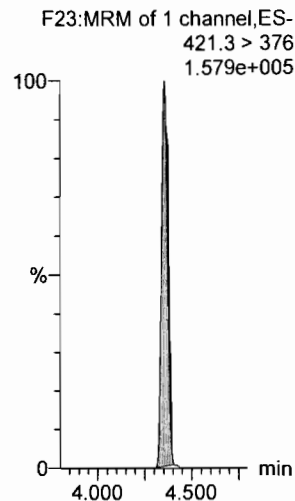
13C5-PFHxA



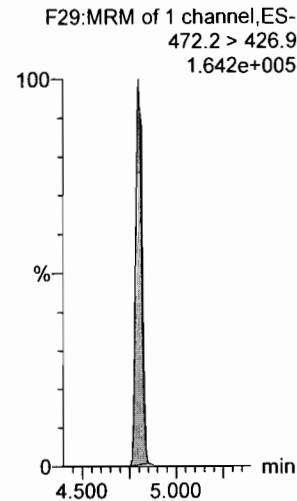
13C3-PFHxS



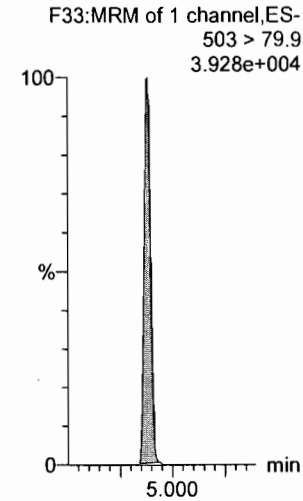
13C8-PFOA



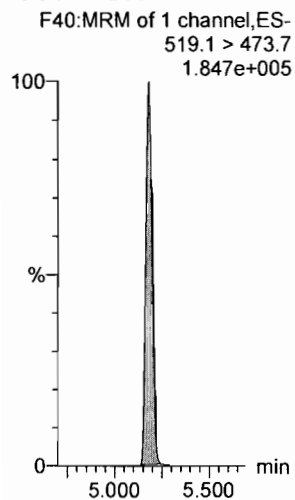
13C9-PFNA



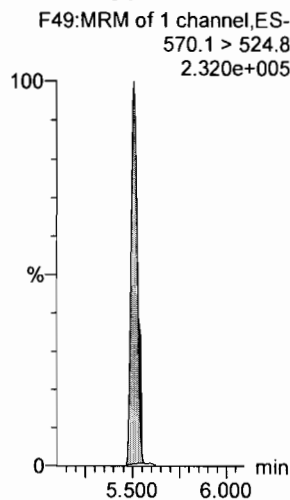
13C4-PFOS



13C6-PFDA



13C7-PFUdA



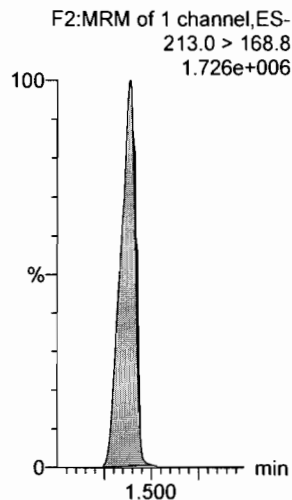
Dataset: Untitled

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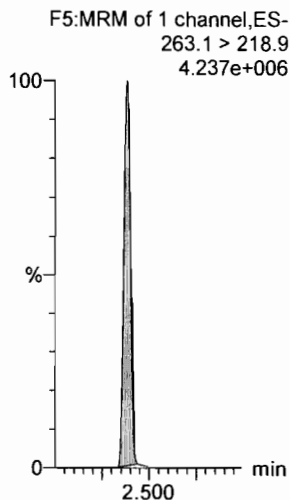
Printed: Friday, July 27, 2018 09:24:53 Pacific Daylight Time

Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

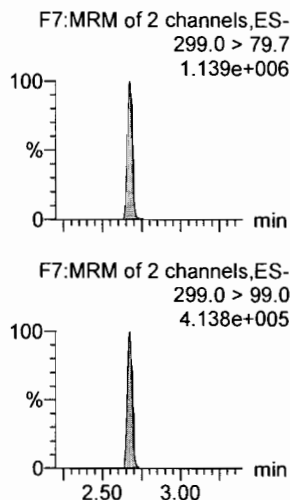
PFBA



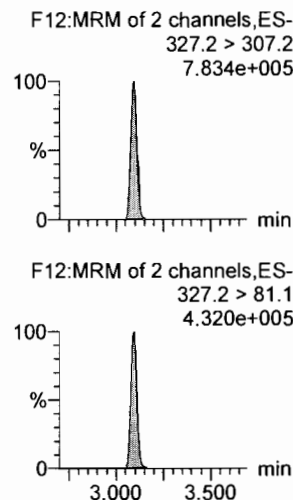
PFPeA



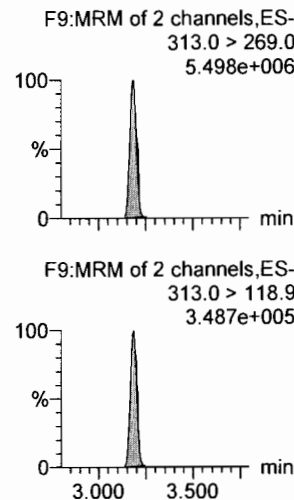
PFBS



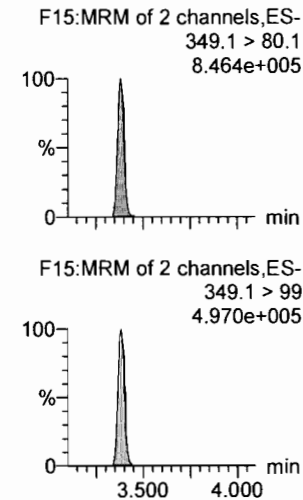
4:2 FTS



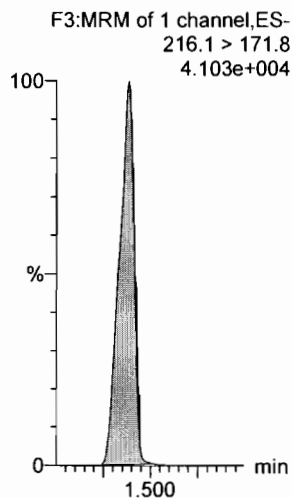
PFHxA



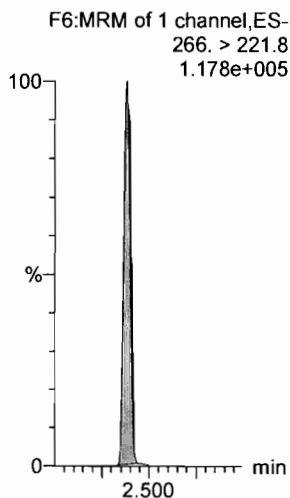
PFPeS



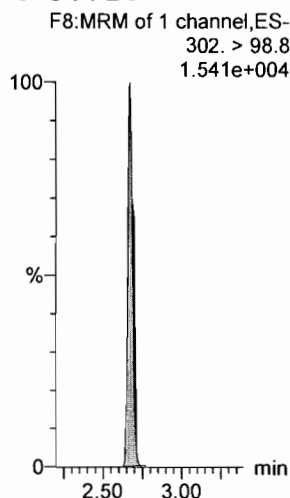
13C3-PFBA



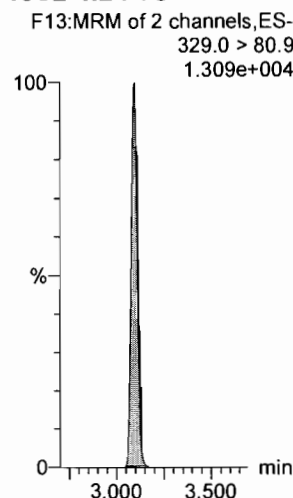
13C3-PFPeA



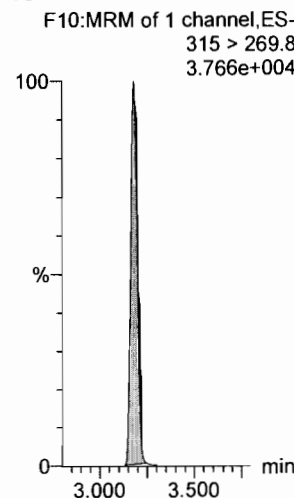
13C3-PFBS



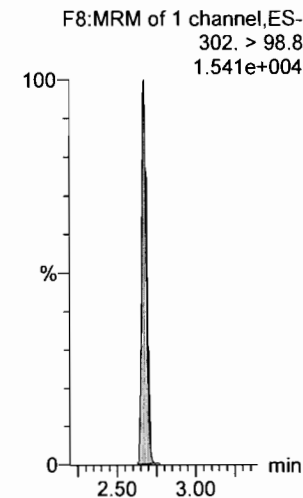
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



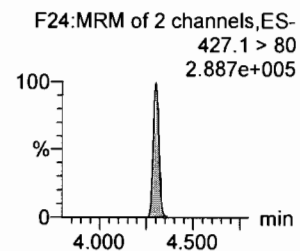
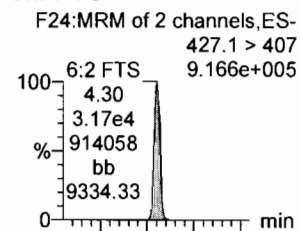
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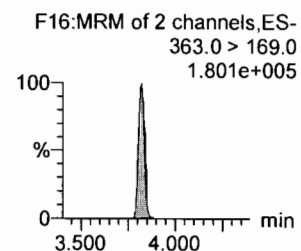
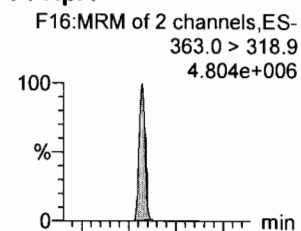
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Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

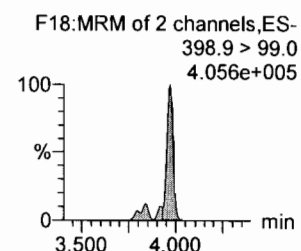
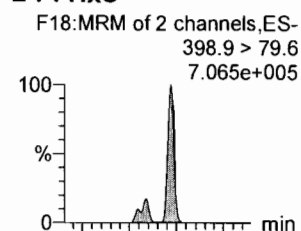
6:2 FTS



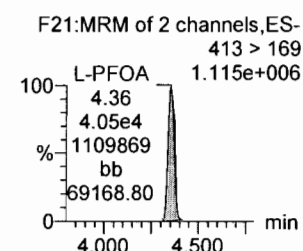
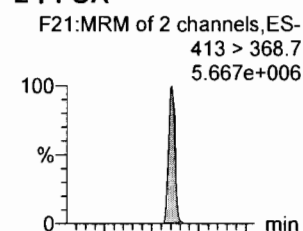
PFHpA



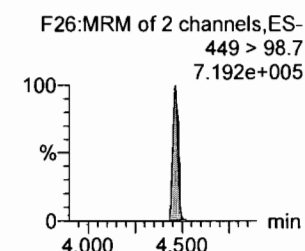
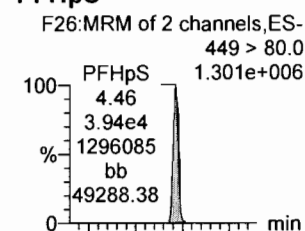
L-PFHxS



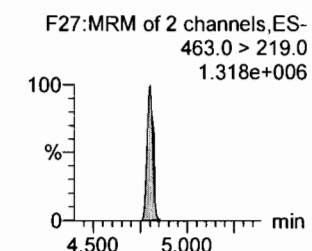
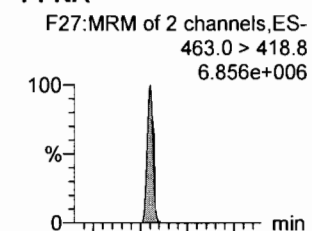
L-PFOA



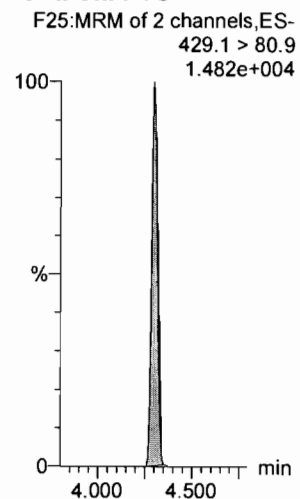
PFHpS



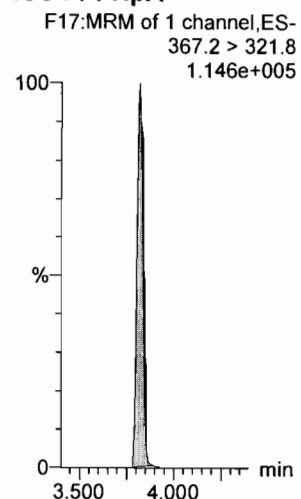
PFNA



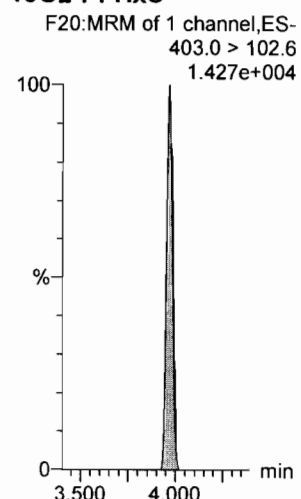
13C2-6:2 FTS



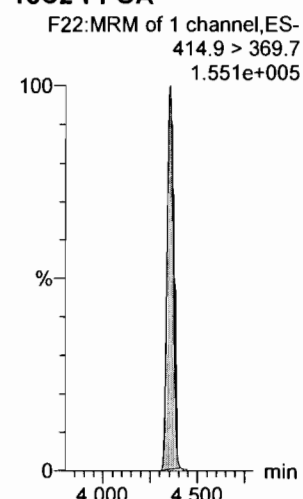
13C4-PFHpA



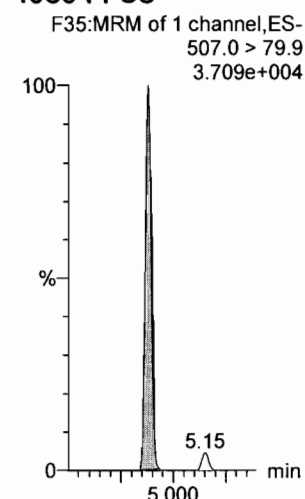
18O2-PFHxS



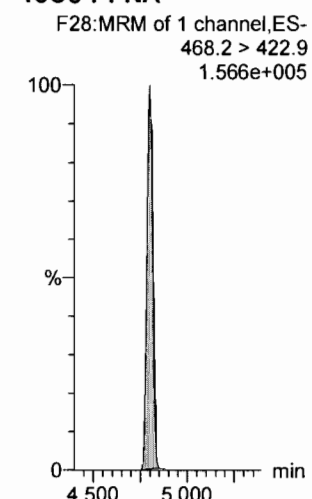
13C2-PFOA



13C8-PFOS



13C5-PFNA



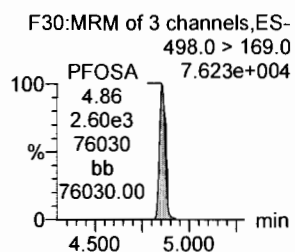
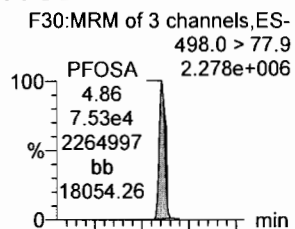
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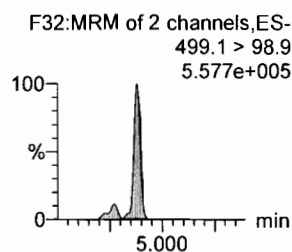
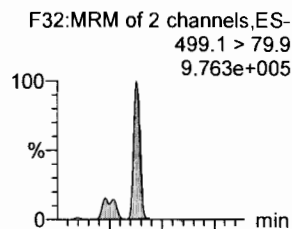
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Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

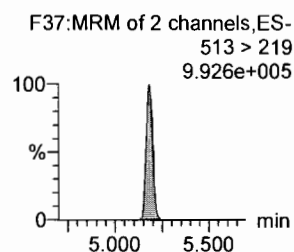
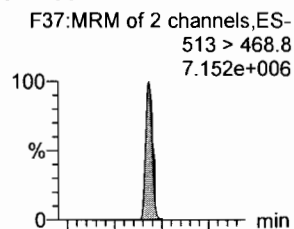
PFOSA



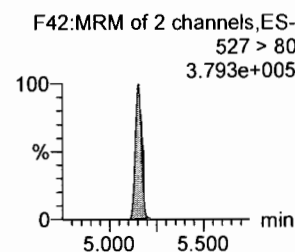
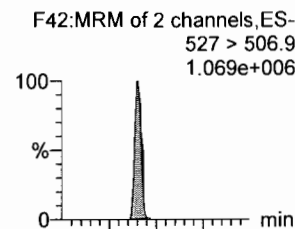
L-PFOS



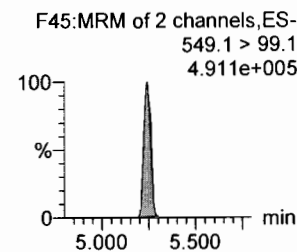
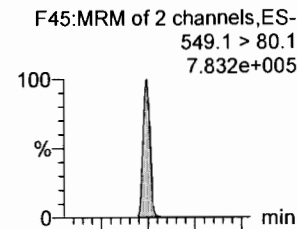
PFDA



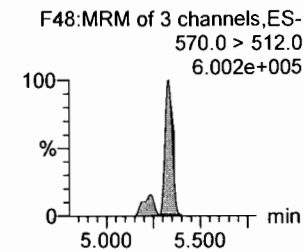
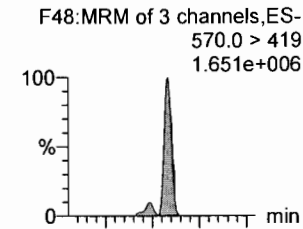
8:2 FTS



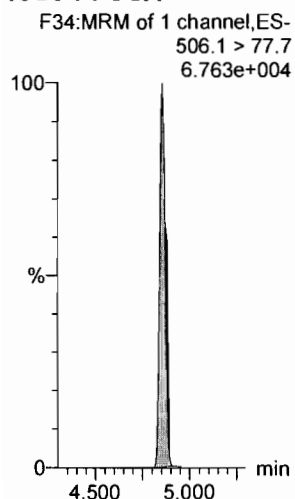
PFNS



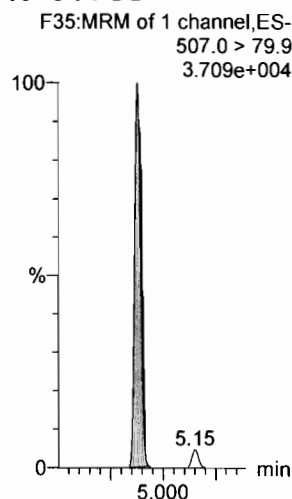
L-MeFOSAA



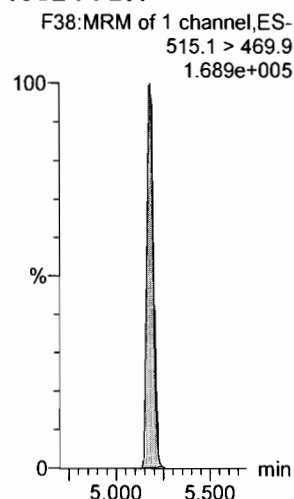
13C8-PFOSA



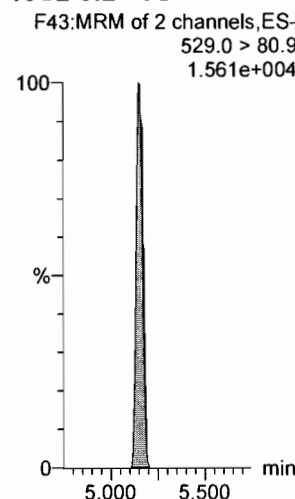
13C8-PFOS



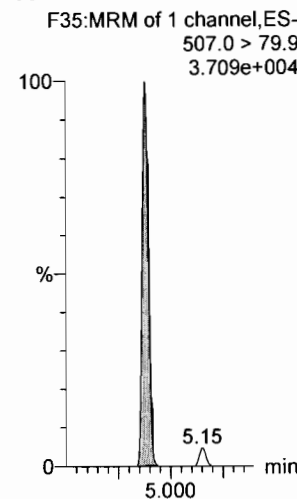
13C2-PFDA



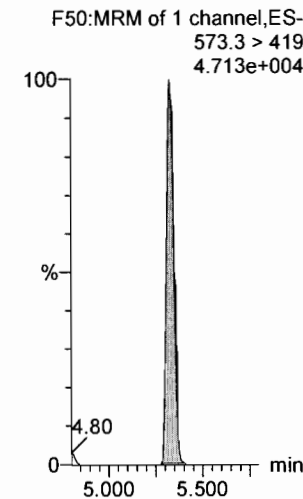
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

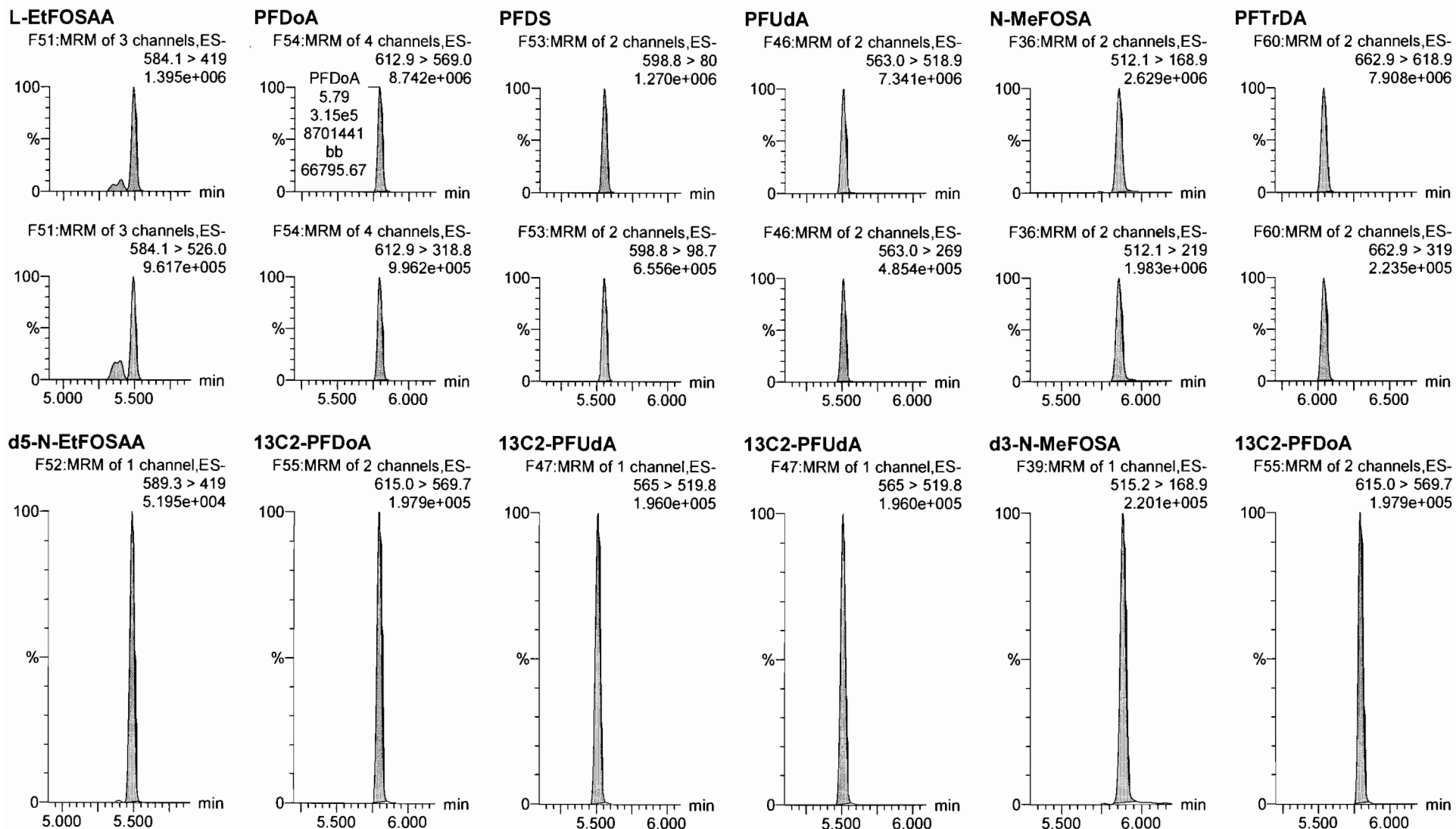


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Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919



Dataset: Untitled

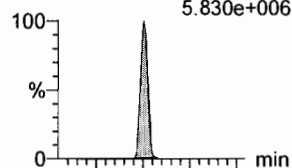
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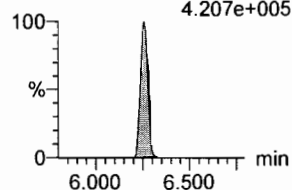
Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
5.830e+006

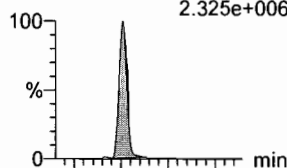


F61:MRM of 2 channels,ES-
712.9 > 369
4.207e+005

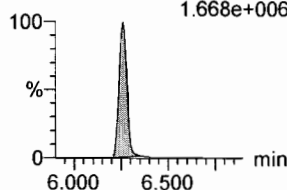


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
2.325e+006

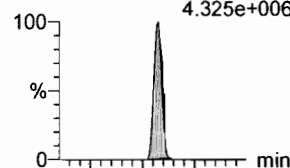


F41:MRM of 2 channels,ES-
526.1 > 219
1.668e+006

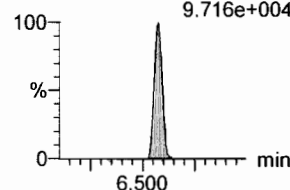


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
4.325e+006

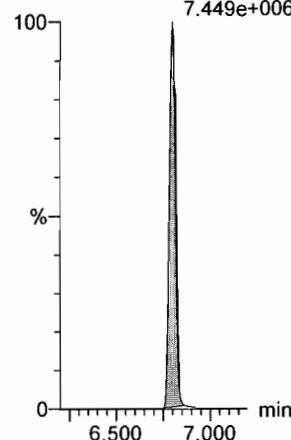


F63:MRM of 2 channels,ES-
813.1 > 219
9.716e+004



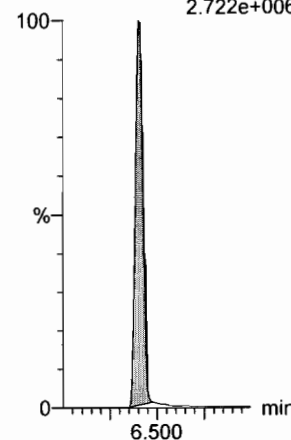
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
7.449e+006



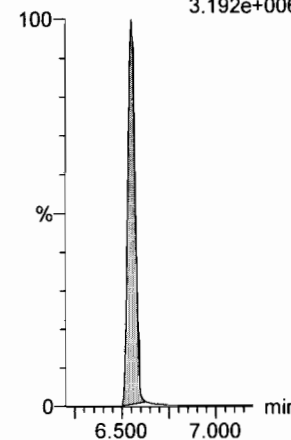
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.722e+006



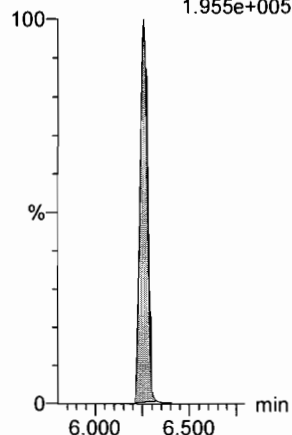
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
3.192e+006



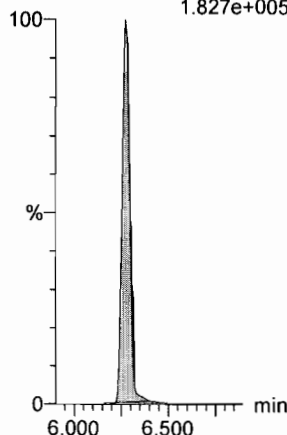
¹³C2-PFTeDA

F62:MRM of 2 channels,ES-
715.0 > 670.0
1.955e+005



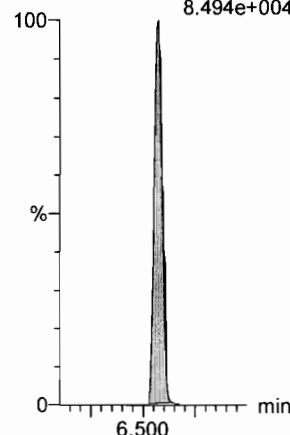
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
1.827e+005



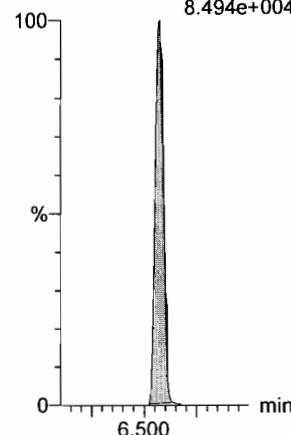
¹³C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.494e+004



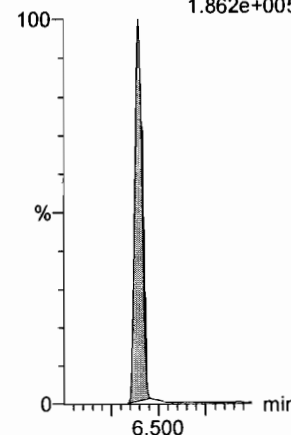
¹³C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
8.494e+004



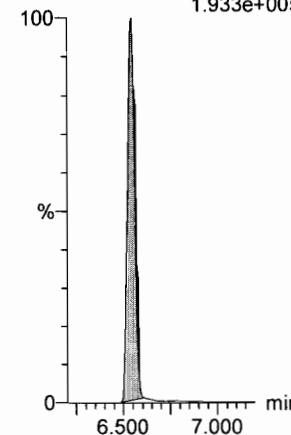
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.862e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
1.933e+005



Dataset: Untitled

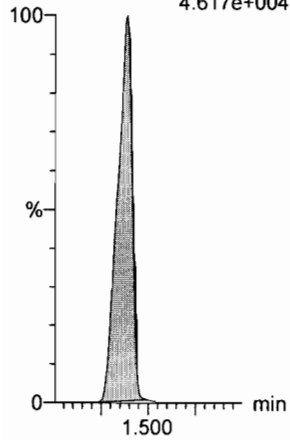
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Name: 180726M1_11, Date: 26-Jul-2018, Time: 19:14:17, ID: ST180726M1-10 PFC CS7 18G1919, Description: PFC CS7 18G1919

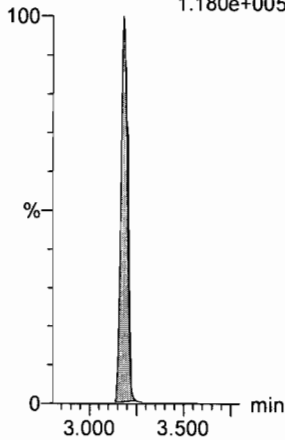
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
4.617e+004



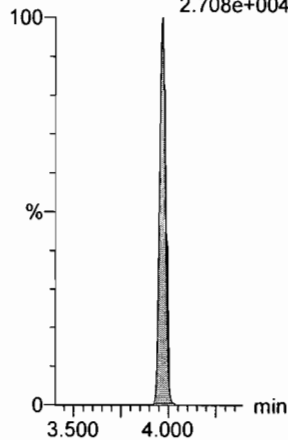
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.180e+005



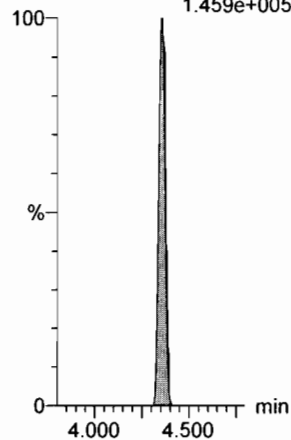
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
2.708e+004



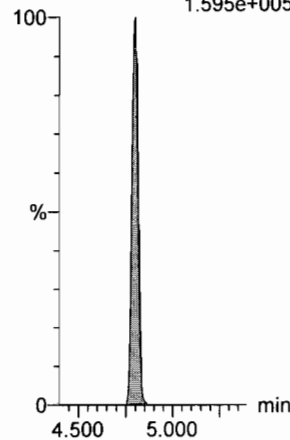
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.459e+005



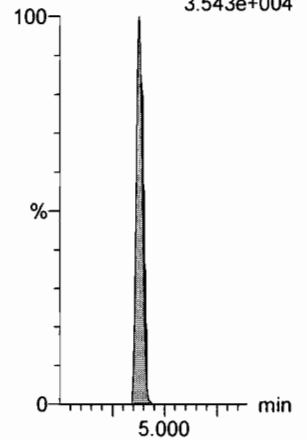
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.595e+005



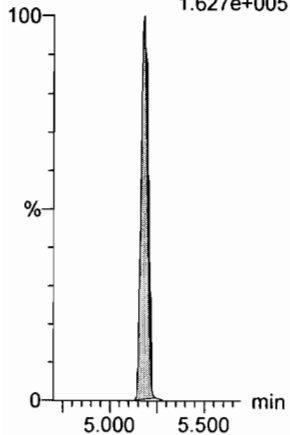
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
3.543e+004



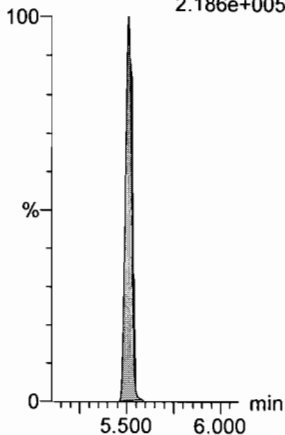
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.627e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.186e+005



Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-ICV.qld

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Name: 180726M1_13, Date: 26-Jul-2018, Time: 19:35:18, ID: ICV180726M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc	%Rec	Recovery	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	3302.675	3989.765	1.00	1.39	10.347	9.6	96.4	NO		
2	2 PFPeA	263.1 > 218.9	3833.751	5181.157	1.00	2.39	9.249	9.4	93.5	NO		
3	3 PFBS	299.0 > 79.7	763.953	605.293	1.00	2.67	15.777	8.0	79.8	NO	2.793	NO
4	4 4:2 FTS	327.2>307.2	672.309	536.959	1.00	3.09	15.651	9.3	93.5	NO	2.008	NO
5	5 PFHxA	313.0 > 269.0	5080.959	1525.786	1.00	3.19	16.650	10.8	107.8	NO	16.356	NO
6	6 PFPeS	349.1>80.1	702.546	605.293	1.00	3.38	14.508	9.1	91.2	NO	1.446	NO
7	36 13C3-PFBA	216.1 > 171.8	3989.765	4384.809	1.00	1.39	11.374	12.5	99.9	NO		
8	37 13C3-PFPeA	266. > 221.8	5181.157	5124.441	1.00	2.38	12.638	12.9	103.0	NO		
9	38 13C3-PFBS	302. > 98.8	605.293	5124.441	1.00	2.67	1.476	13.0	103.9	NO		
10	39 13C2-4:2 FTS	329.0>80.9	536.959	5124.441	1.00	3.09	1.310	13.0	104.4	NO		
11	40 13C2-PFHxA	315 > 269.8	1525.786	5124.441	1.00	3.18	3.722	4.9	97.7	NO		
12	38 13C3-PFBS	302. > 98.8	605.293	5124.441	1.00	2.67	1.476	13.0	103.9	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	608.489	511.606	1.00	4.30	14.867	8.4	83.8	NO	4.573	YES
15	7 PFHpA	363.0 > 318.9	3825.079	4398.749	1.00	3.82	10.870	10.1	100.7	NO	27.134	NO
16	8 L-PFHxS	398.9 > 79.6	606.695	501.478	1.00	3.97	15.123	9.0	90.3	NO	1.585	NO
17	11 L-PFOA	413 > 368.7	4639.576	6011.278	1.00	4.36	9.648	9.1	90.8	NO	4.602	NO
18	13 PFHpS	449 > 80.0	871.663	1414.468	1.00	4.46	7.703	9.4	93.6	NO	2.086	NO
19	14 PFNA	463.0 > 418.8	5087.842	6041.966	1.00	4.80	10.526	9.0	90.2	NO	5.819	YES
20	43 13C2-6:2 FTS	429.1 > 80.9	511.606	5978.975	1.00	4.30	1.070	11.8	94.7	NO		
21	41 13C4-PFHpA	367.2 > 321.8	4398.749	5124.441	1.00	3.82	10.730	12.4	99.4	NO		
22	42 18O2-PFHxS	403.0 > 102.6	501.478	1094.001	1.00	3.97	5.730	11.7	93.5	NO		
23	44 13C2-PFOA	414.9 > 369.7	6011.278	5978.975	1.00	4.35	12.568	12.4	98.9	NO		
24	47 13C8-PFOS	507.0 > 79.9	1414.468	1397.602	1.00	4.88	12.651	12.1	96.6	NO		
25	45 13C5-PFNA	468.2 > 422.9	6041.966	7099.041	1.00	4.80	10.639	10.9	87.3	NO		
26	-1											
27	15 PFOSA	498.0 > 77.9	2055.989	2414.167	1.00	4.86	10.645	11.1	110.5	NO	30.379	NO
28	16 L-PFOS	499.1 > 79.9	848.744	1414.468	1.00	4.88	7.501	8.6	86.4	NO	1.615	NO
29	18 PFDA	513 > 468.8	6542.262	6894.958	1.00	5.18	11.861	10.0	99.8	NO	7.113	NO
30	19 8:2 FTS	527 > 506.9	887.721	588.541	1.00	5.15	18.854	8.3	83.3	NO	2.558	NO
31	20 PFNS	549.1>80.1	723.106	1414.468	1.00	5.24	6.390	8.6	85.5	NO	1.564	NO
32	21 L-MeFOSAA	570.0 > 419	1538.030	2105.881	1.00	5.34	9.129	7.2	72.1	NO	2.654	NO
33	46 13C8-PFOSA	506.1 > 77.7	2414.167	9351.475	1.00	4.86	3.227	11.2	89.5	NO		
34	47 13C8-PFOS	507.0 > 79.9	1414.468	1397.602	1.00	4.88	12.651	12.1	96.6	NO		

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(A) Compounds not present in ICV

Name: 180726M1_13, Date: 26-Jul-2018, Time: 19:35:18, ID: ICV180726M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	6894.958	7141.944	1.00	5.18	12.068	12.3	98.0	NO		
36	49 13C2-8:2 FTS	529.0 > 80.9	588.541	5124.441	1.00	5.15	1.436	13.6	108.6	NO		
37	47 13C8-PFOS	507.0 > 79.9	1414.468	1397.602	1.00	4.88	12.651	12.1	96.6	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2105.881	9351.475	1.00	5.33	2.815	12.4	99.6	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	1609.641	2148.035	1.00	5.49	9.367	10.9	109.1	NO	1.470	NO
41	27 PFDoA	612.9 > 569.0	8086.397	8603.073	1.00	5.79	11.749	10.3	102.6	NO	9.930	NO
42	26 PFDS	598.8 > 80	805.252	8479.125	1.00	5.55	1.187	7.7	77.4	NO	1.467	NO
43	25 PFUdA	563.0 > 518.9	6418.333	8479.125	1.00	5.51	9.462	9.6	96.0	NO	12.628	NO
44	28 N-MeFOSA	512.1 > 168.9		9065.514	1.00				(A)	NO		
45	29 PFTrDA	662.9 > 618.9	7856.679	8603.073	1.00	6.04	11.416	9.8	98.1	NO	38.703	NO
46	51 d5-N-EtFOSAA	589.3 > 419	2148.035	9351.475	1.00	5.48	2.871	11.8	94.1	NO		
47	53 13C2-PFDoA	615.0 > 569.7	8603.073	7141.944	1.00	5.79	15.057	12.1	96.9	NO		
48	52 13C2-PFUdA	565 > 519.8	8479.125	9351.475	1.00	5.51	11.334	12.2	97.5	NO		
49	52 13C2-PFUdA	565 > 519.8	8479.125	9351.475	1.00	5.51	11.334	12.2	97.5	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	9065.514	9351.475	1.00	5.88	12.118	145.0	96.6	NO		
51	53 13C2-PFDoA	615.0 > 569.7	8603.073	7141.944	1.00	5.79	15.057	12.1	96.9	NO		
52	-1											
53	30 PFTeDA	712.9 > 668.8	6133.129	9145.360	1.00	6.26	8.383	10.5	105.3	NO	11.296	NO
54	31 N-EtFOSA	526.1 > 168.9		11160.214	1.00				(A)	NO		
55	32 PFHxDA	813.1 > 768.6		3157.002	1.00					NO		
56	33 PFODA	913.1 > 868.8		3157.002	1.00					NO		
57	34 N-MeFOSE	616.1 > 58.9		8866.235	1.00					NO		
58	35 N-EtFOSE	630.1 > 58.9		8873.200	1.00					NO		
59	55 13C2-PFTeDA	715.0 > 670.0	9145.360	9351.475	1.00	6.26	12.224	11.5	92.2	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	11160.214	9351.475	1.00	6.27	14.918	157.4	105.0	NO		
61	57 13C2-PFHxDA	815 > 769.7	3157.002	9351.475	1.00	6.57	4.220	4.7	93.6	NO		
62	57 13C2-PFHxDA	815 > 769.7	3157.002	9351.475	1.00	6.57	4.220	4.7	93.6	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	8866.235	9351.475	1.00	6.39	11.851	153.8	102.5	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	8873.200	9351.475	1.00	6.54	11.861	147.1	98.1	NO		
65	-1											
66	60 13C4-PFBA	217. > 171.8	4384.809	4384.809	1.00	1.39	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	5124.441	5124.441	1.00	3.18	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.9 > 79.9	1094.001	1094.001	1.00	3.97	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-ICV.qld

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Name: 180726M1_13, Date: 26-Jul-2018, Time: 19:35:18, ID: ICV180726M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	421.3 > 376	5978.975	5978.975	1.00	4.35	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	7099.041	7099.041	1.00	4.80	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	1397.602	1397.602	1.00	4.88	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	7141.944	7141.944	1.00	5.18	12.500	12.5	100.0	NO		
73	67 13C7-PFUDa	570.1 > 524.8	9351.475	9351.475	1.00	5.51	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180726M1\180726M1-ICV.qld

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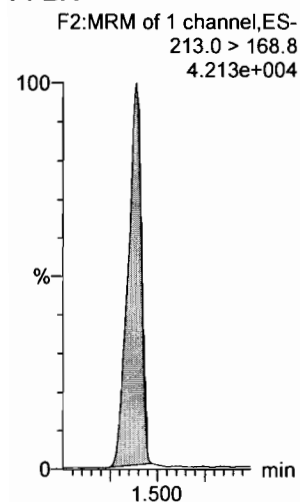
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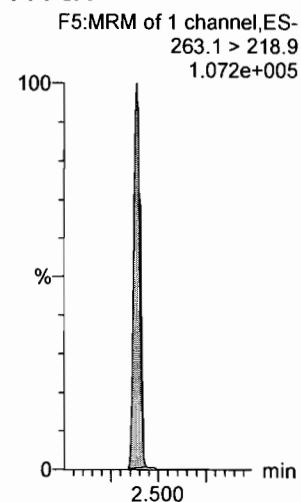
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Name: 180726M1_13, Date: 26-Jul-2018, Time: 19:35:18, ID: ICV180726M1-1 PFC 537 ICV 18G1920, Description: PFC 537 ICV 18G1920

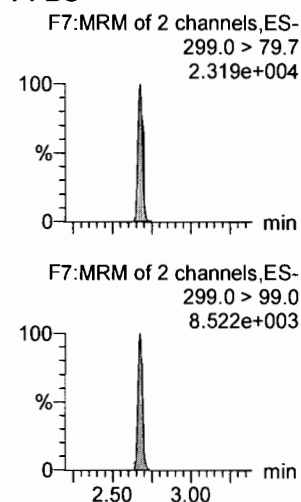
PFBA



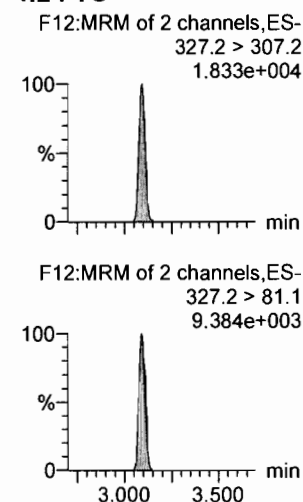
PFPeA



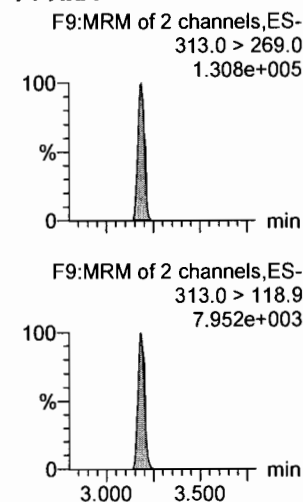
PFBS



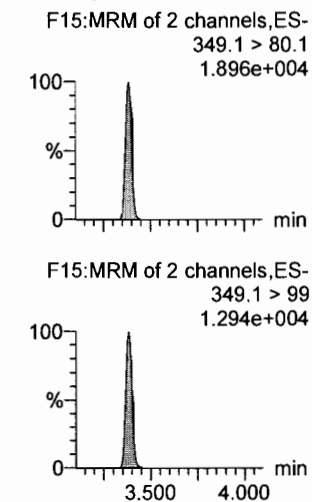
4:2 FTS



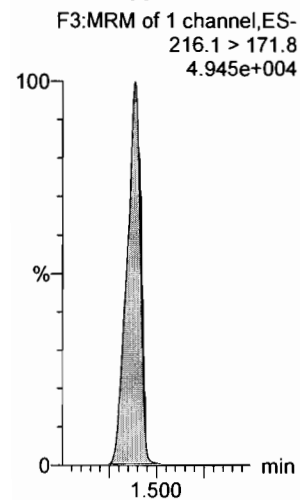
PFHxA



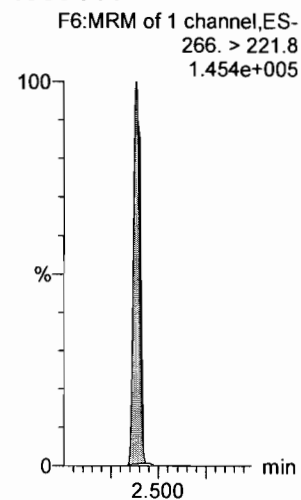
PFPeS



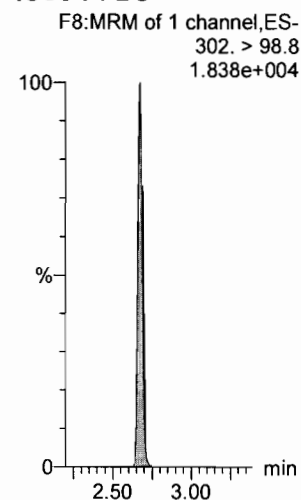
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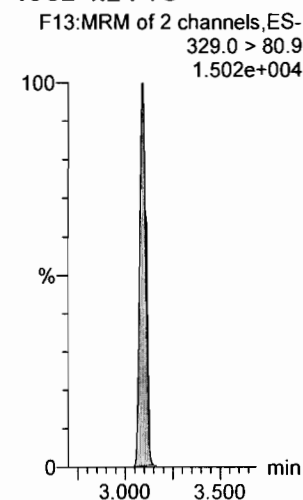
13C3-PFPeA



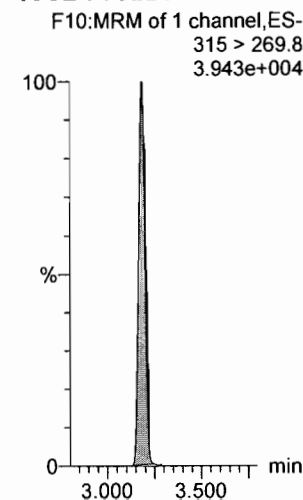
13C3-PFBS



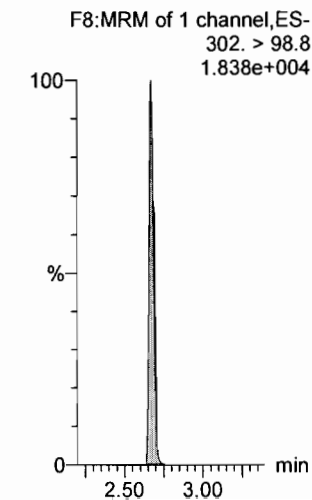
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



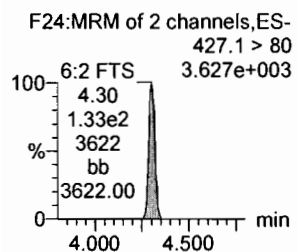
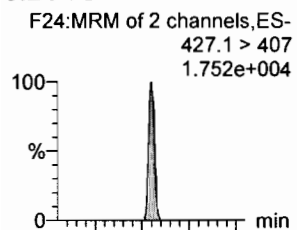
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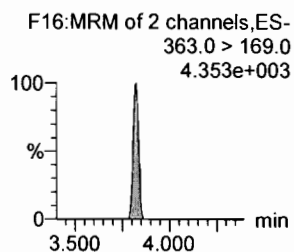
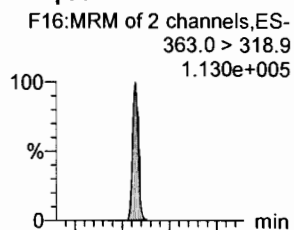
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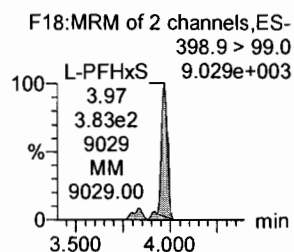
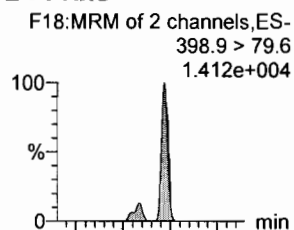
6:2 FTS



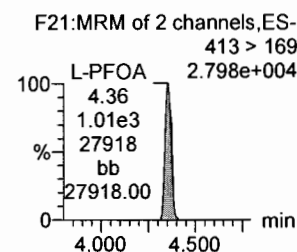
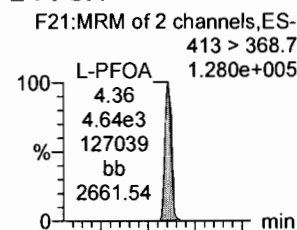
PFHpA



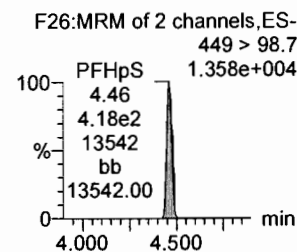
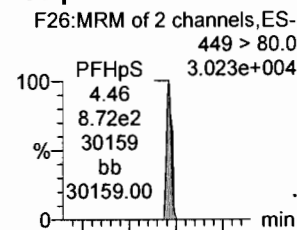
L-PFHxS



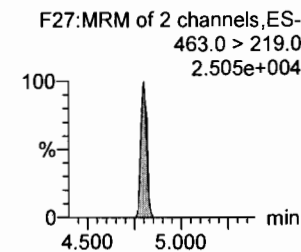
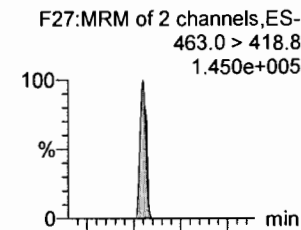
L-PFOA



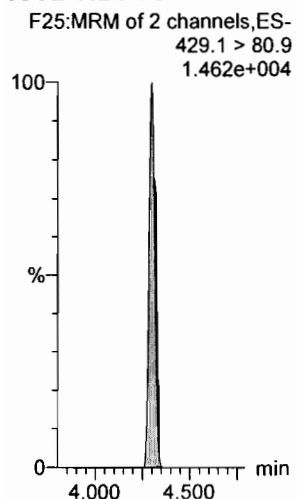
PFHpS



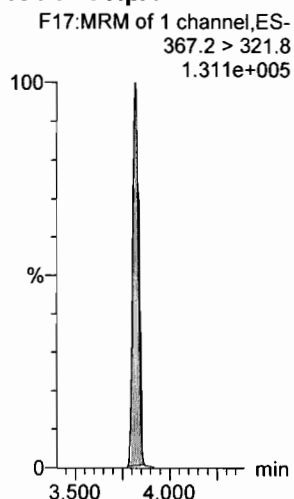
PFNA



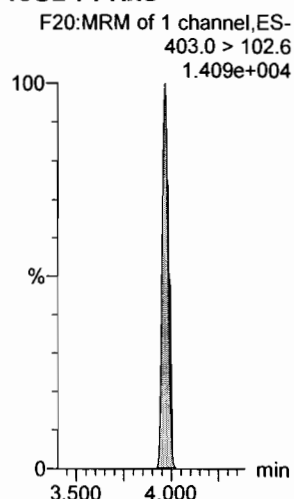
13C2-6:2 FTS



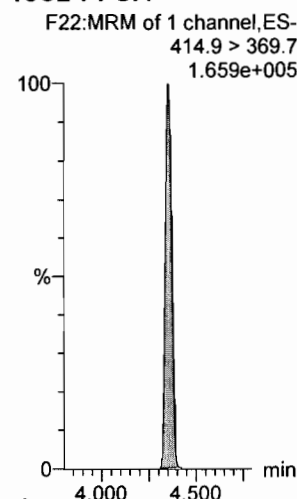
13C4-PFHpA



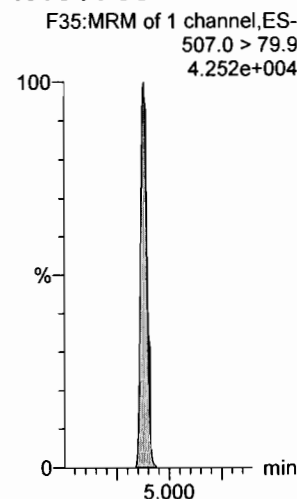
18O2-PFHxS



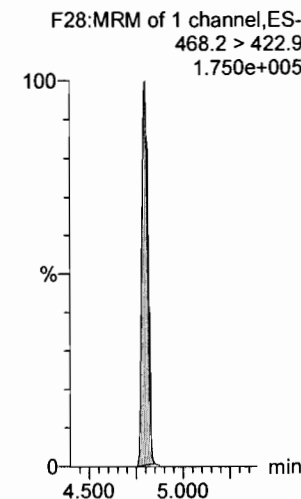
13C2-PFOA



13C8-PFOS



13C5-PFNA



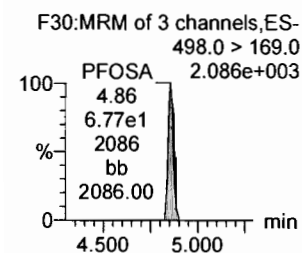
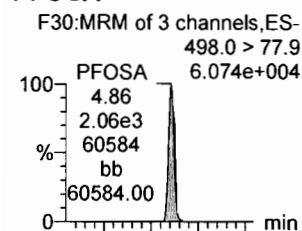
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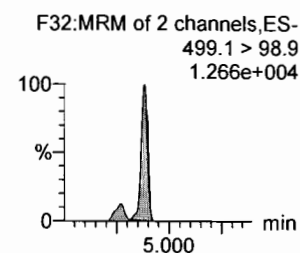
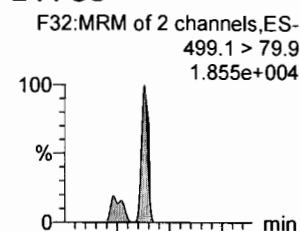
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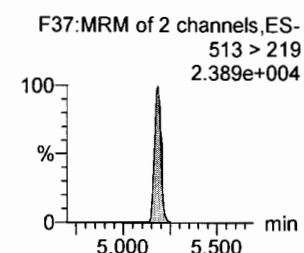
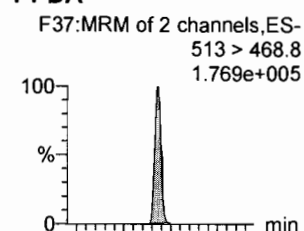
PFOSA



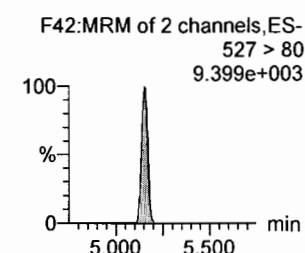
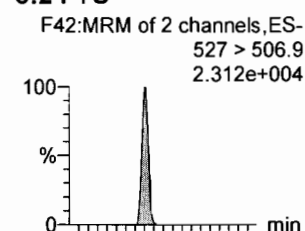
L-PFOS



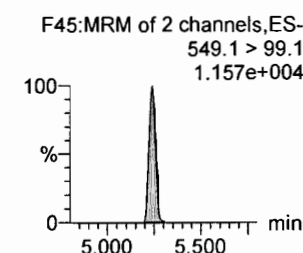
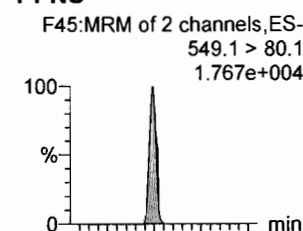
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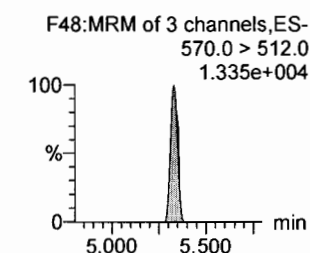
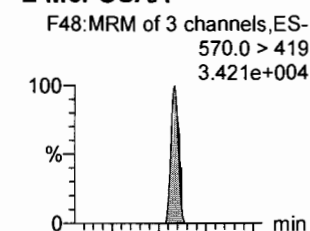
8:2 FTS



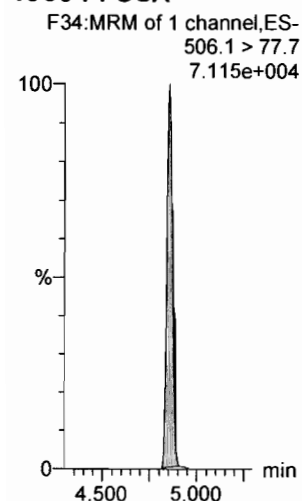
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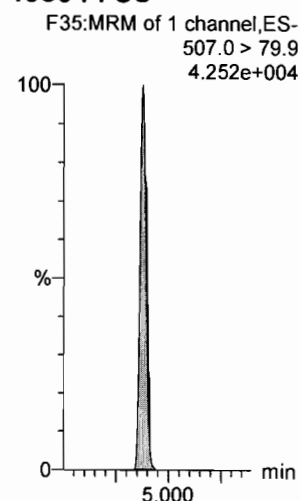
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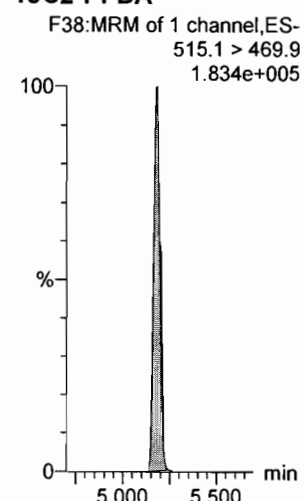
13C8-PFOSA



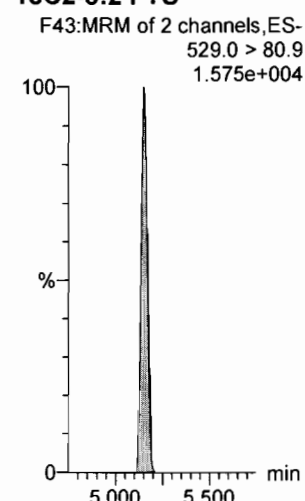
13C8-PFOS



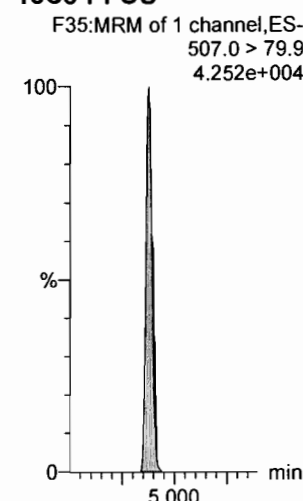
13C2-PFDA



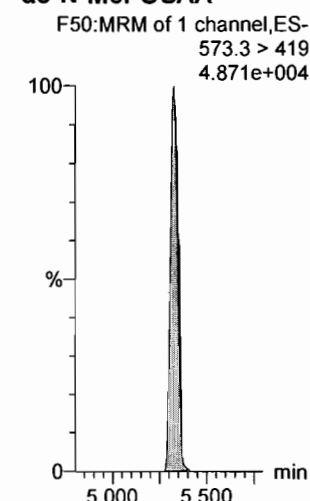
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



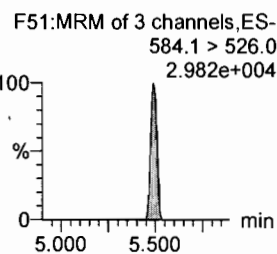
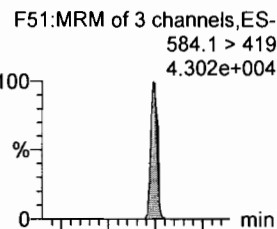
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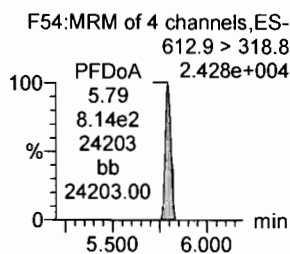
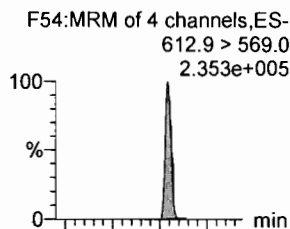
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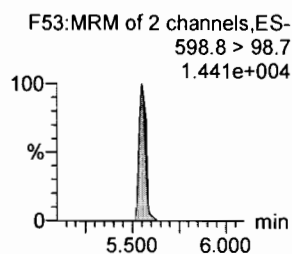
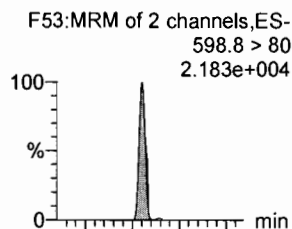
L-EtFOSAA



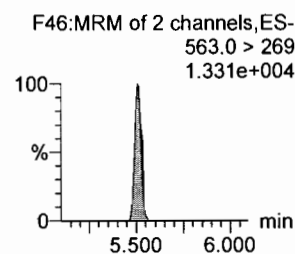
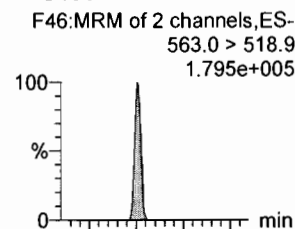
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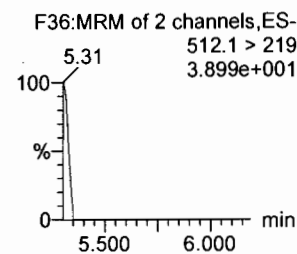
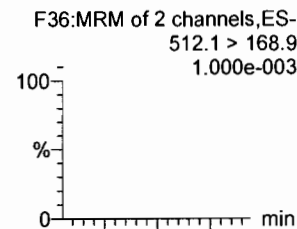
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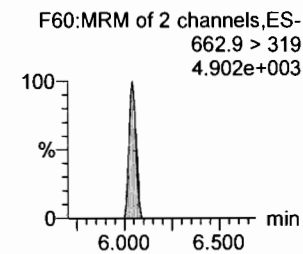
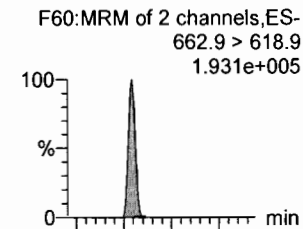
PFUdA



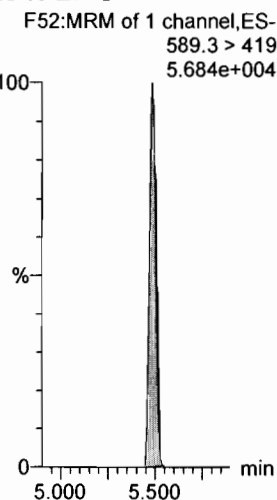
N-MeFOSA



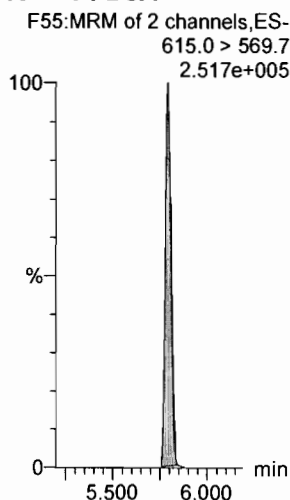
PFTrDA



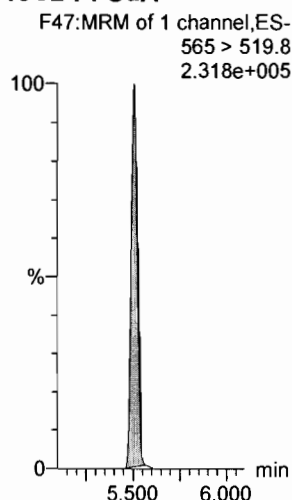
d5-N-EtFOSAA



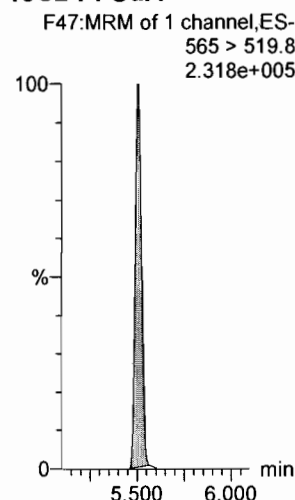
13C2-PFDaA



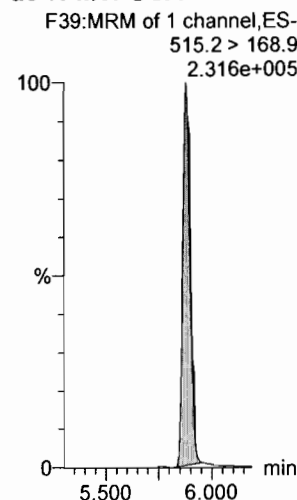
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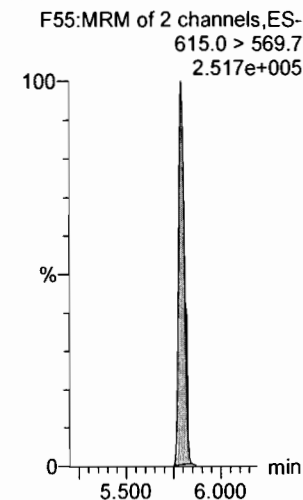
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



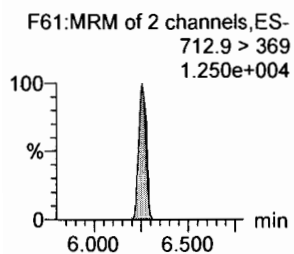
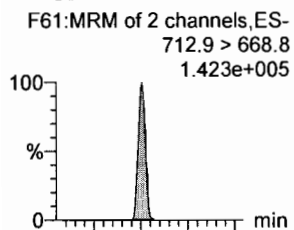
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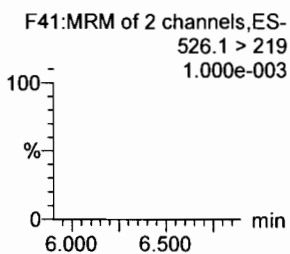
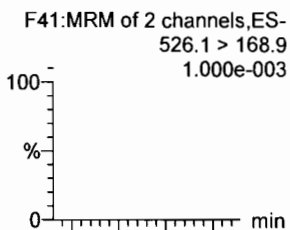
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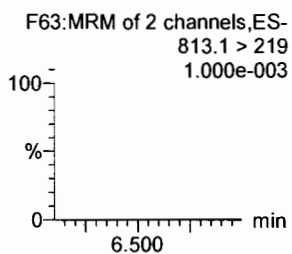
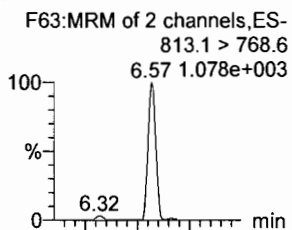
PFTeDA



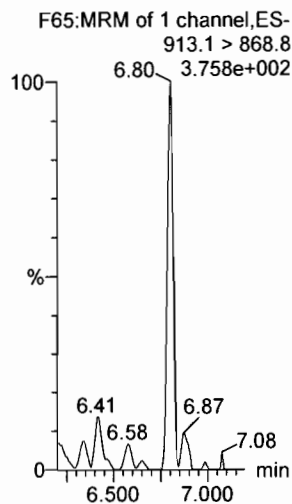
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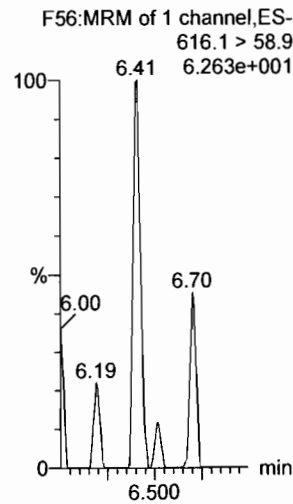
PFHxDA



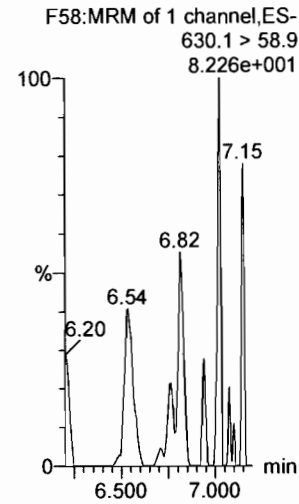
PFODA



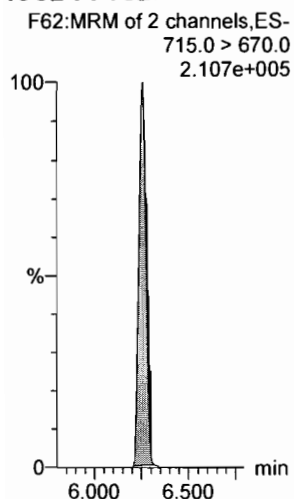
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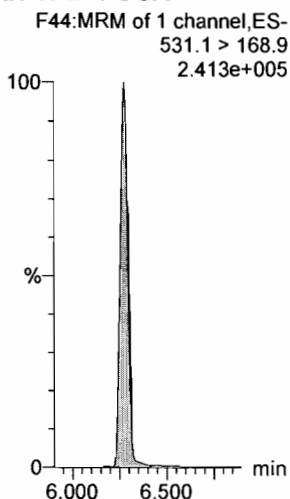
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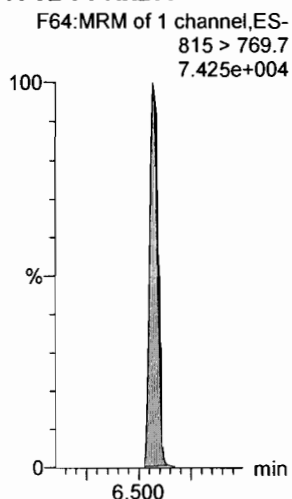
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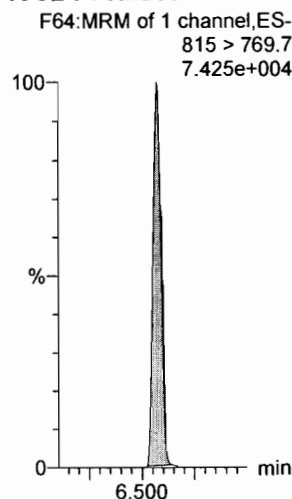
d5-N-ETFOSA



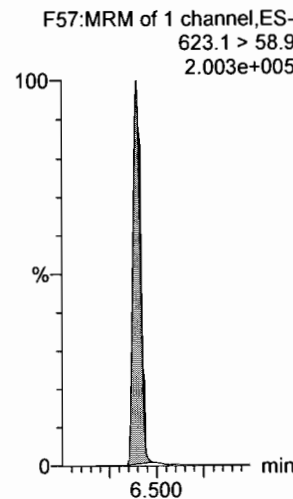
13C2-PFHxDA



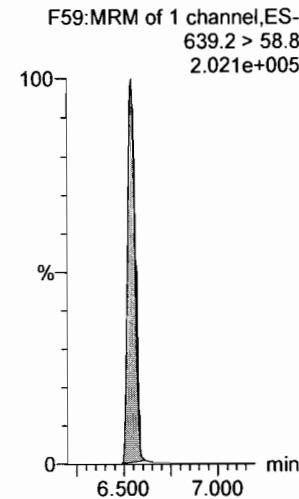
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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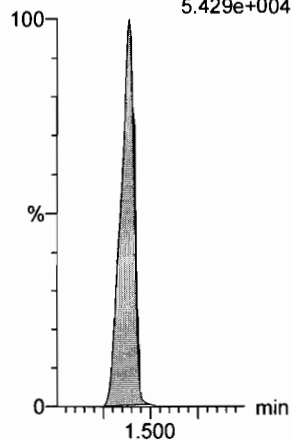
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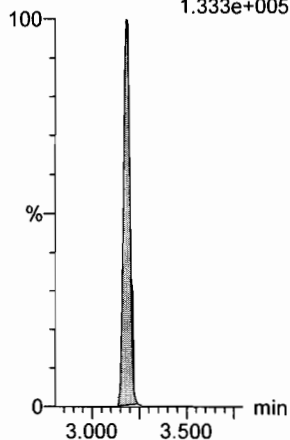
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
5.429e+004



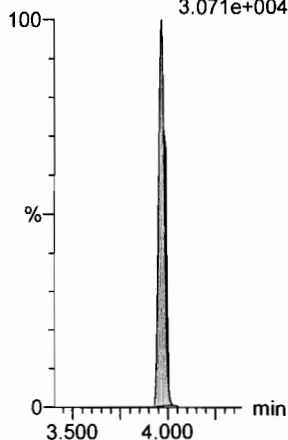
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.333e+005



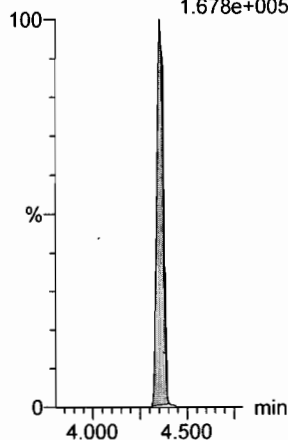
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
3.071e+004



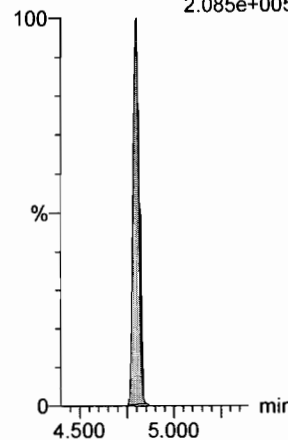
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.678e+005



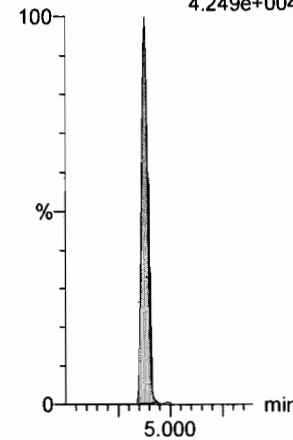
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.085e+005



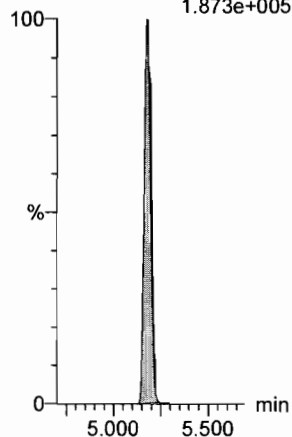
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.249e+004



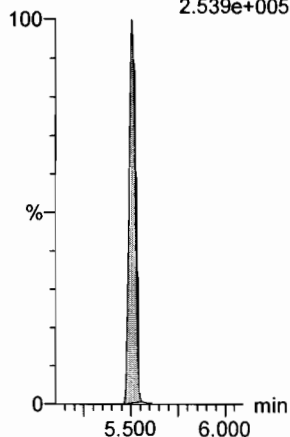
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.873e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.539e+005



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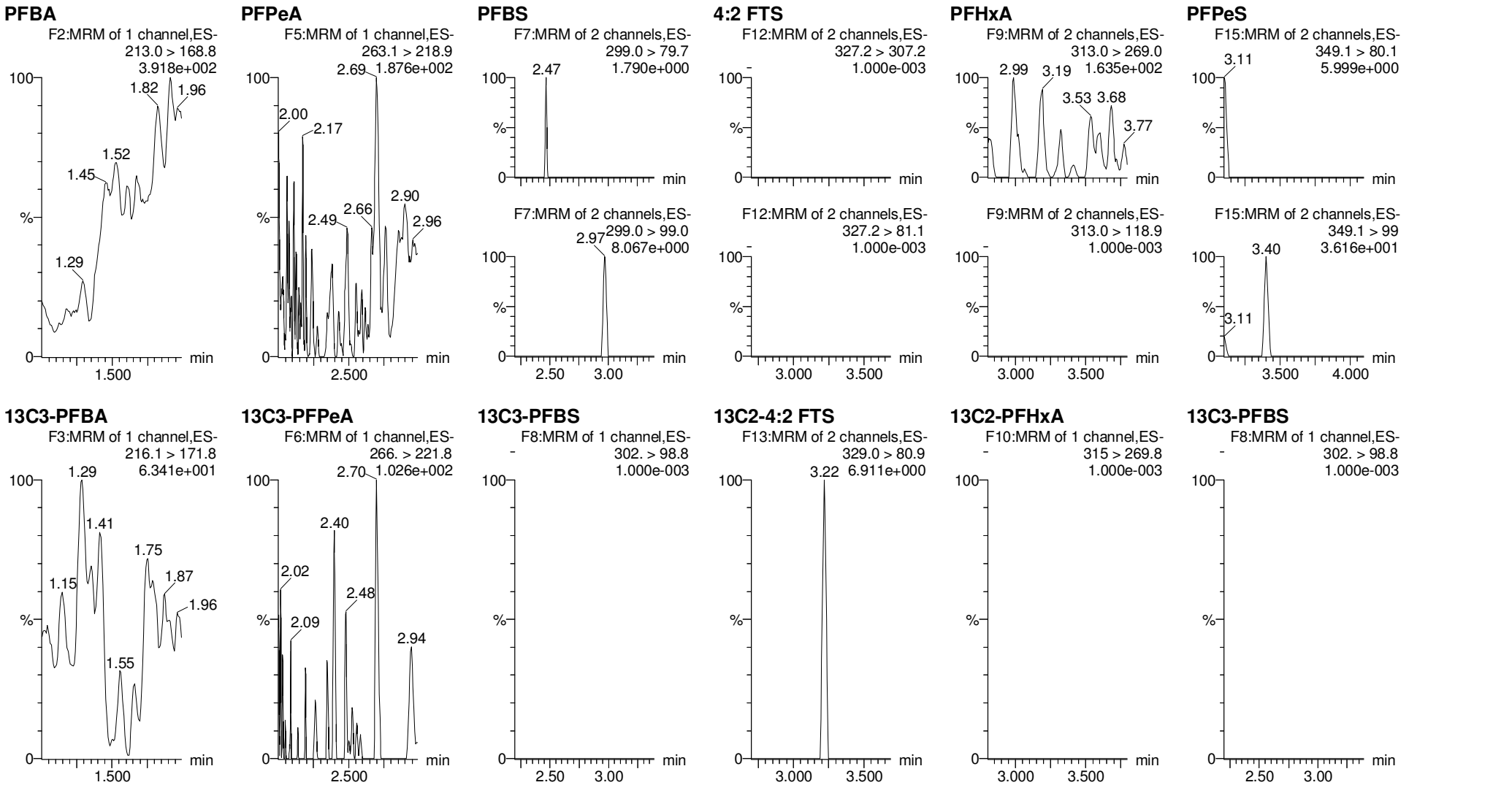
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-26-18.cdb 27 Jul 2018 11:18:27

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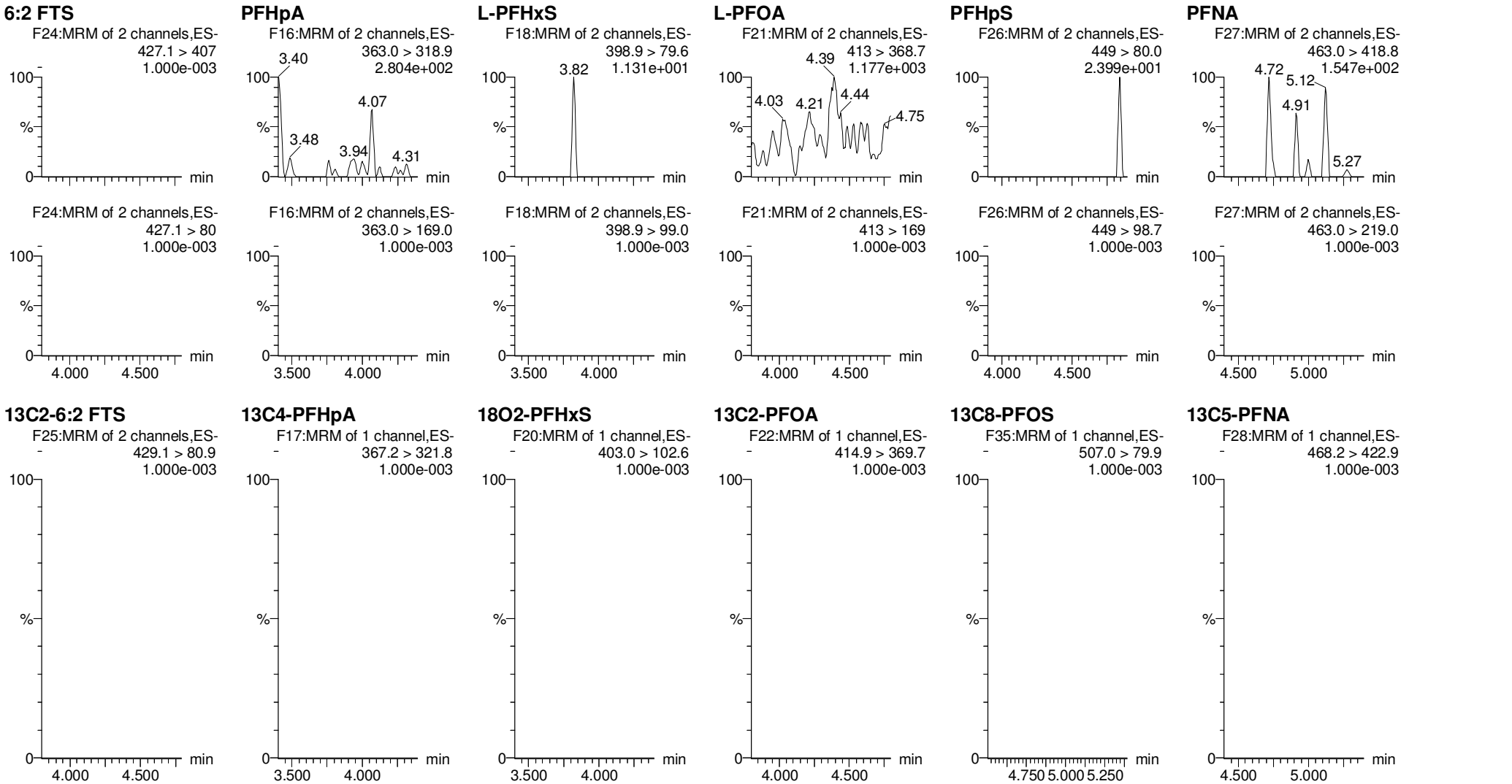


Vista Analytical Laboratory

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Vista Analytical Laboratory

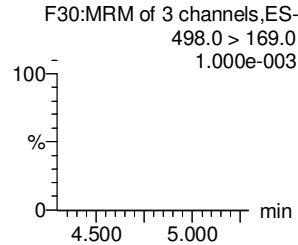
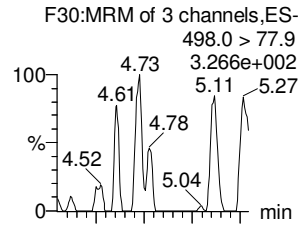
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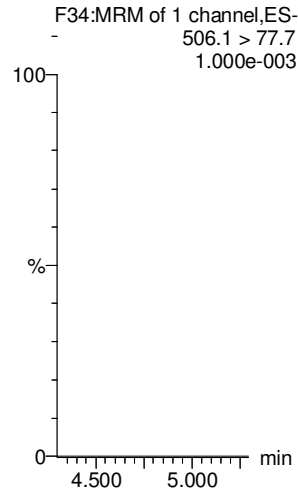
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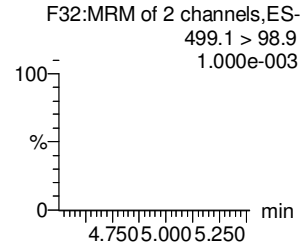
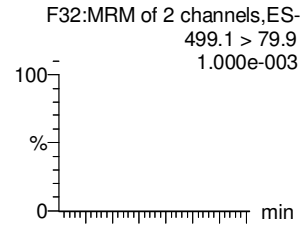
PFOSA



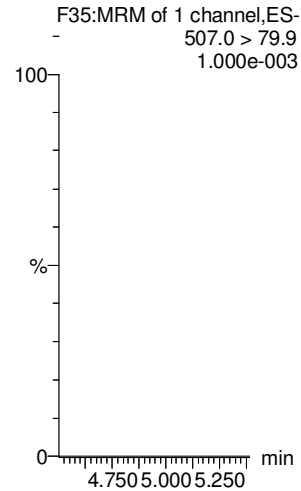
13C8-PFOSA



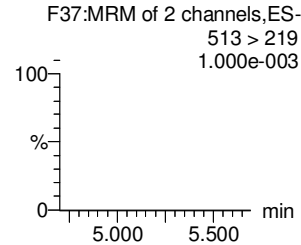
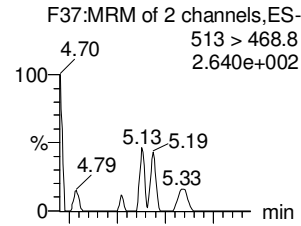
L-PFOS



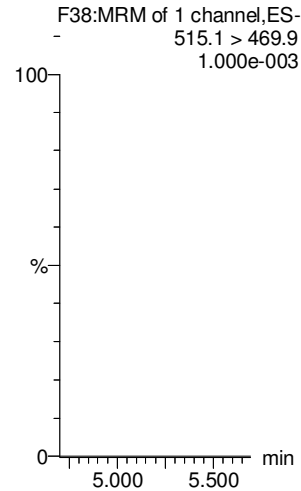
13C8-PFOS



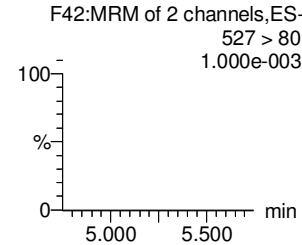
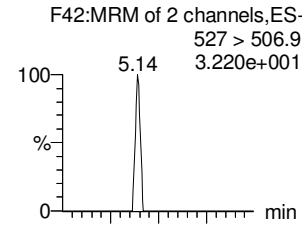
PFDA



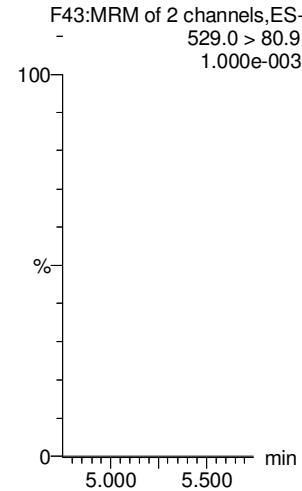
13C2-PFDA



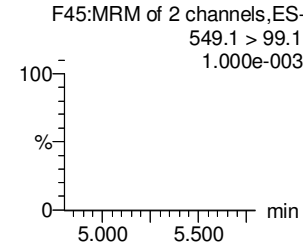
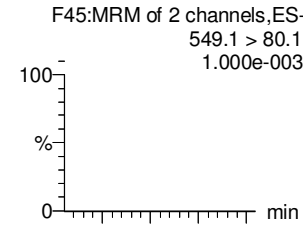
8:2 FTS



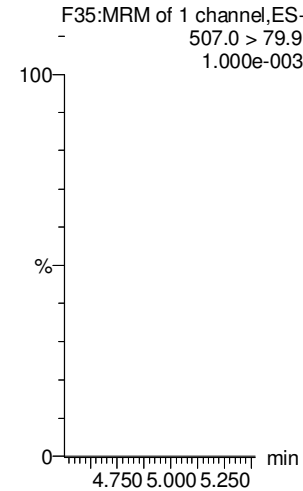
13C2-8:2 FTS



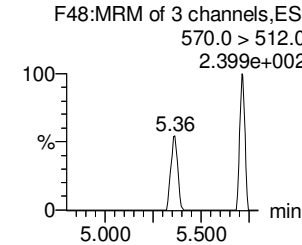
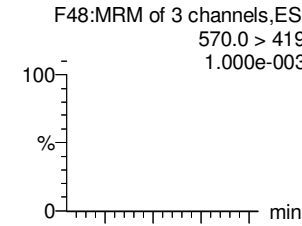
PFNS



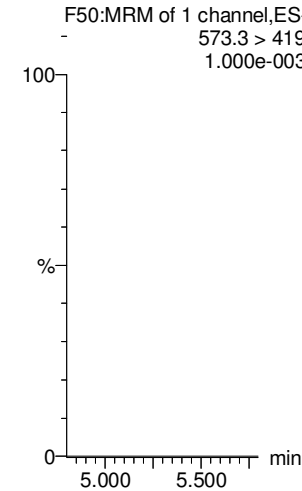
13C8-PFOS



L-MeFOSAA



d3-N-MeFOSAA



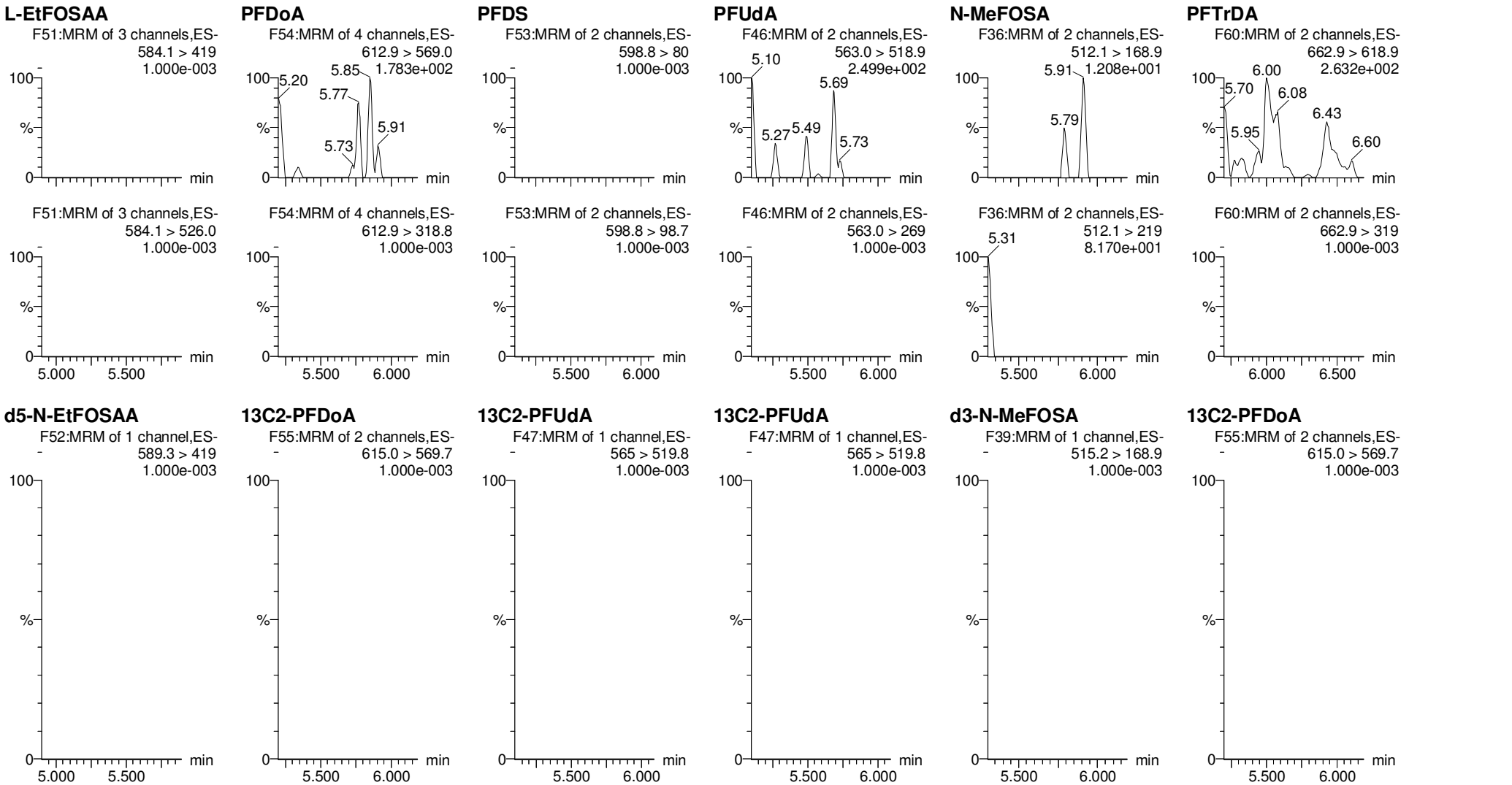
Vista Analytical Laboratory

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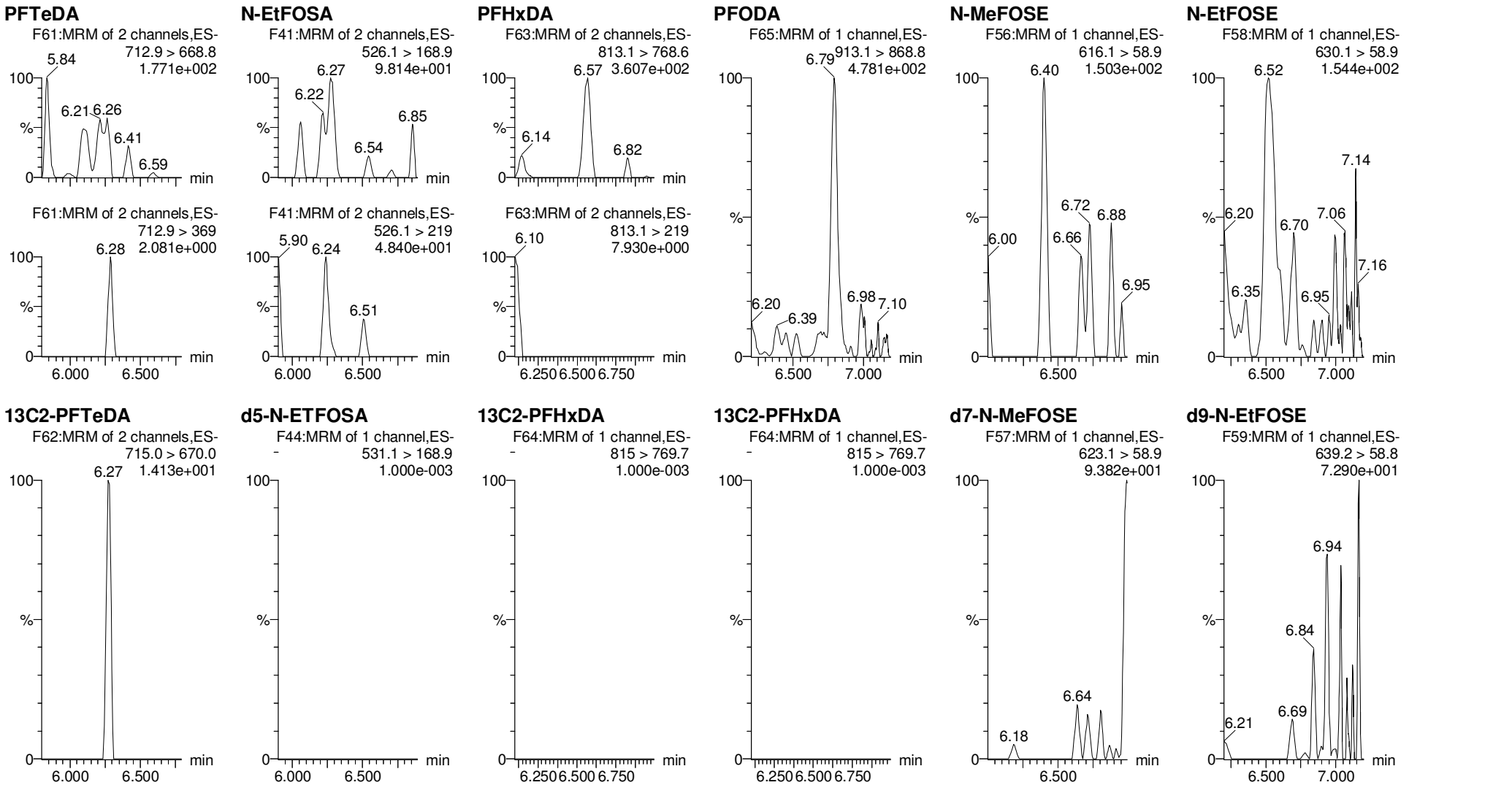
Vista Analytical Laboratory

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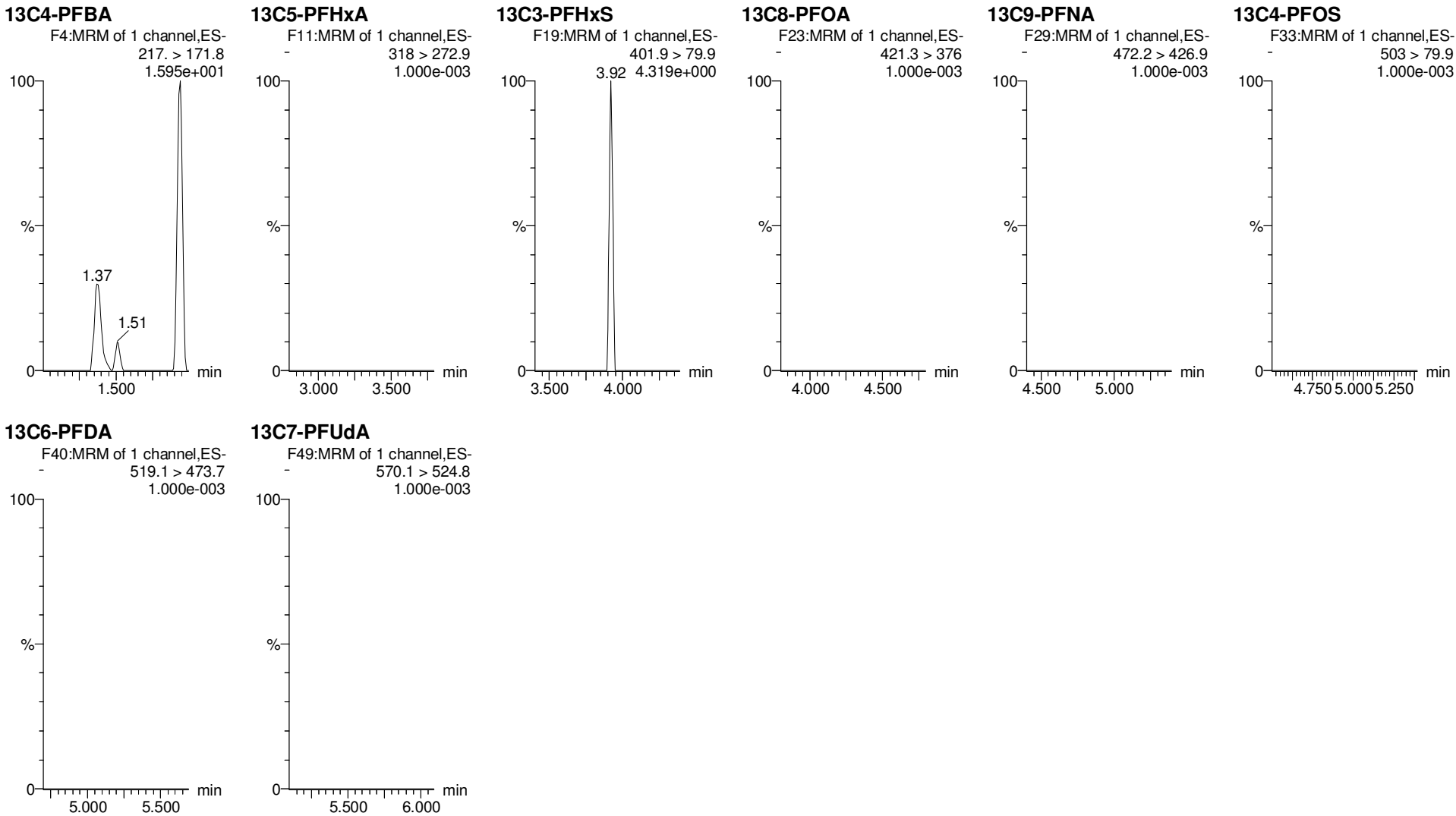
Vista Analytical Laboratory

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Printed: Friday, July 27, 2018 11:32:19 Pacific Daylight Time

Name: 180726M1_12, Date: 26-Jul-2018, Time: 19:24:48, ID: IPA, Description: IPA



13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.319e+000

Chromatogram for 13C3-PFHxS. The x-axis represents time in minutes, ranging from approximately 3.4 to 4.1. The y-axis represents relative intensity in percent, ranging from 0 to 100. A single sharp peak is visible at 3.92 minutes, reaching nearly 100% intensity.

13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.000e-003

Chromatogram for 13C8-PFOA. The x-axis represents time in minutes, ranging from approximately 3.9 to 4.6. The y-axis represents relative intensity in percent, ranging from 0 to 100. The baseline is flat, indicating no significant peaks.

13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
1.000e-003

Chromatogram for 13C9-PFNA. The x-axis represents time in minutes, ranging from approximately 4.4 to 5.1. The y-axis represents relative intensity in percent, ranging from 0 to 100. The baseline is flat, indicating no significant peaks.

13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.000e-003

Chromatogram for 13C4-PFOS. The x-axis represents time in minutes, ranging from approximately 4.6 to 5.4. The y-axis represents relative intensity in percent, ranging from 0 to 100. The baseline is flat, indicating no significant peaks.

13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
1.000e-003

Chromatogram for 13C6-PFDA. The x-axis represents time in minutes, ranging from approximately 4.9 to 5.6. The y-axis represents relative intensity in percent, ranging from 0 to 100. The baseline is flat, indicating no significant peaks.

13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
1.000e-003

Chromatogram for 13C7-PFUDa. The x-axis represents time in minutes, ranging from approximately 5.3 to 6.1. The y-axis represents relative intensity in percent, ranging from 0 to 100. The baseline is flat, indicating no significant peaks.

Tune Checks

Twne Check 07-22-10

Calibration Verification Report - MS1 Static

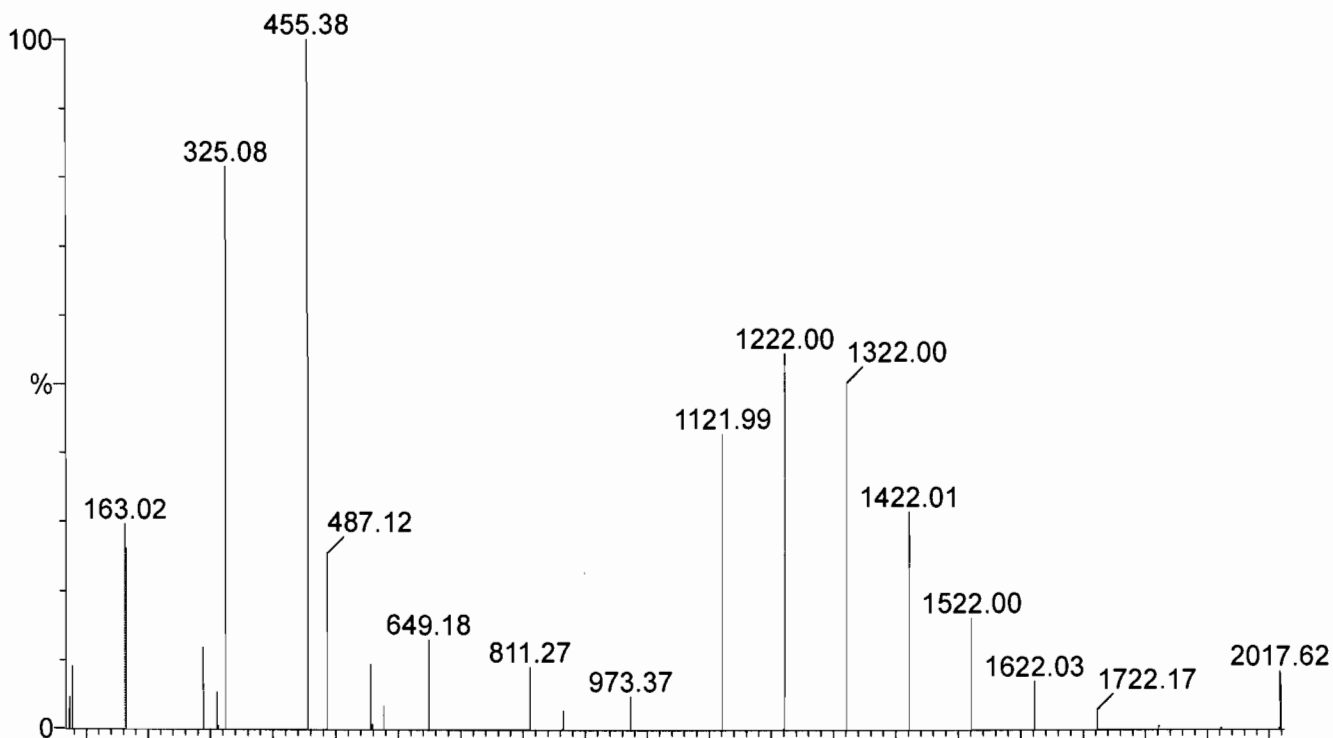
Page 1 of 6

Printed: Sun Jul 22 15:40:45 2018

20180720.

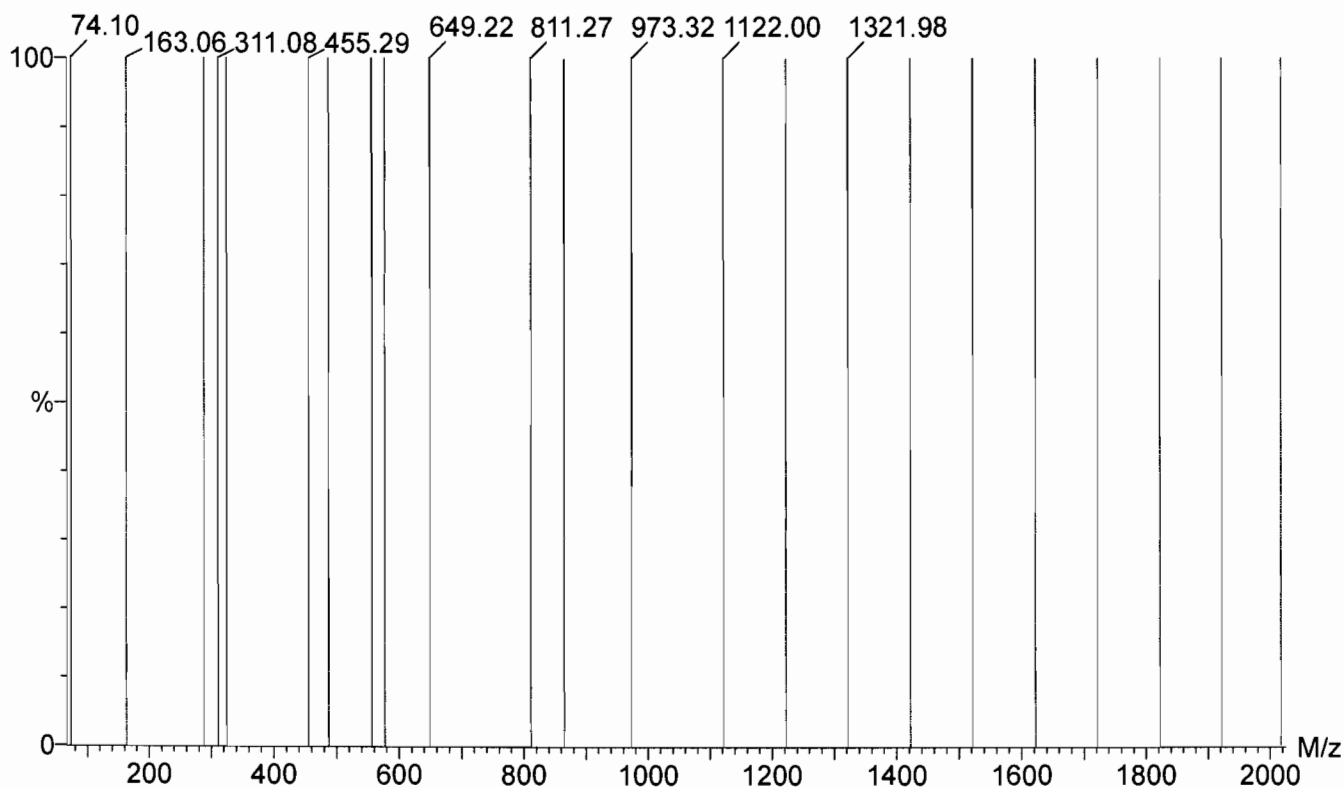
Data file: STATMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

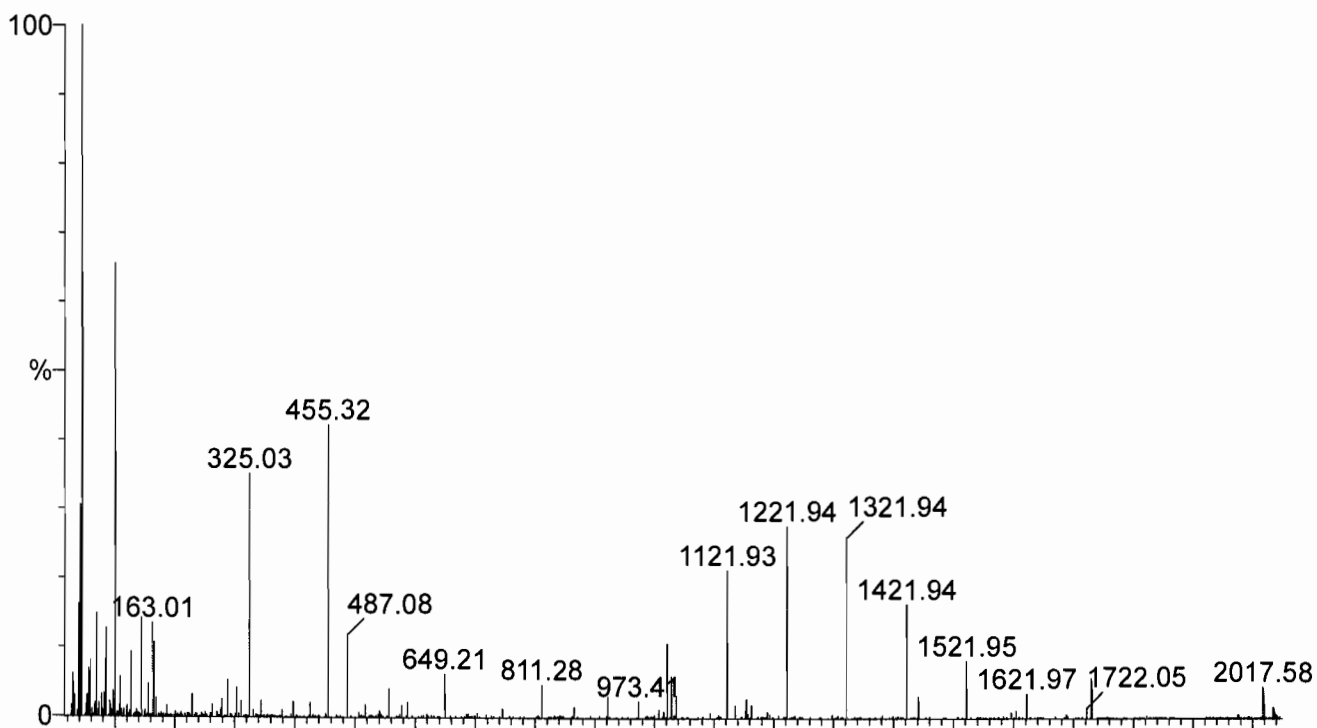
Mean residual = 0.0637 amu



Printed: Sun Jul 22 15:41:54 2018

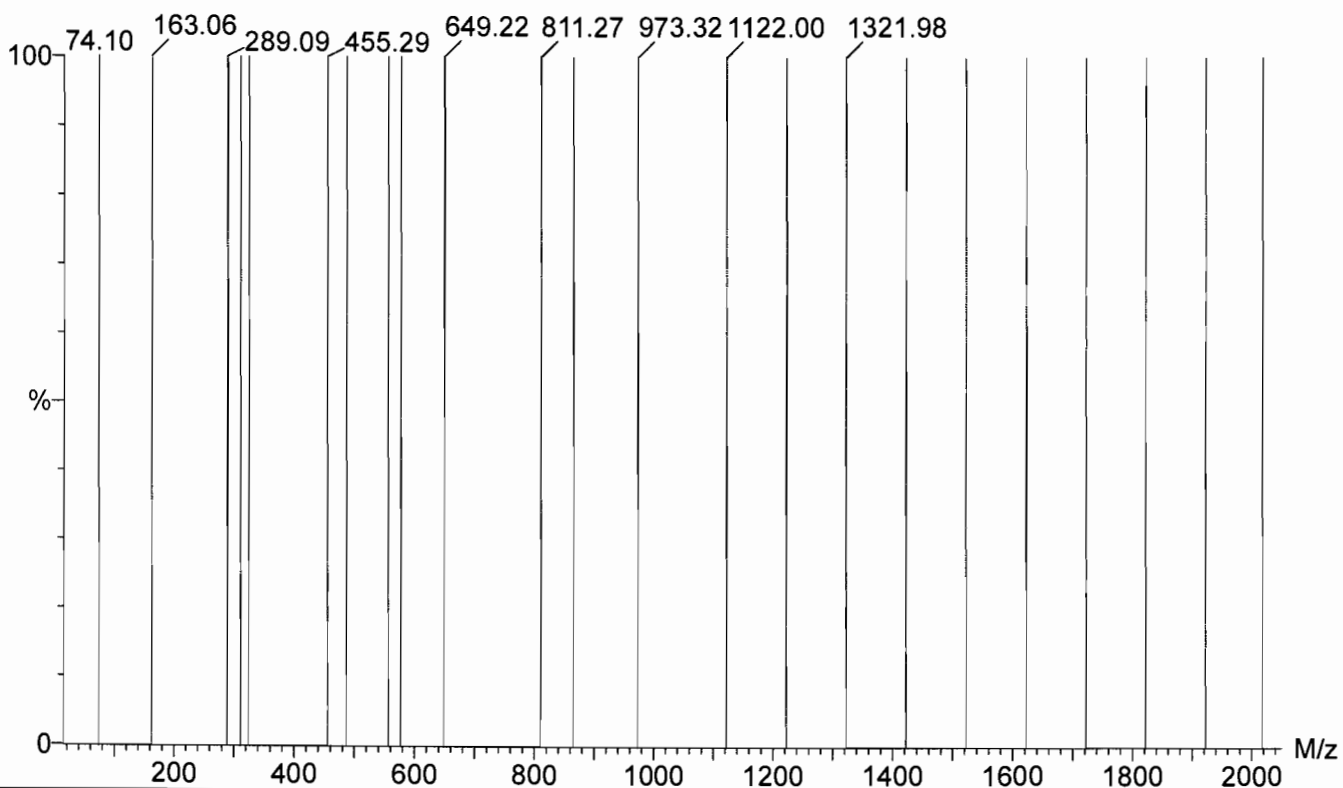
Data file: SCNMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

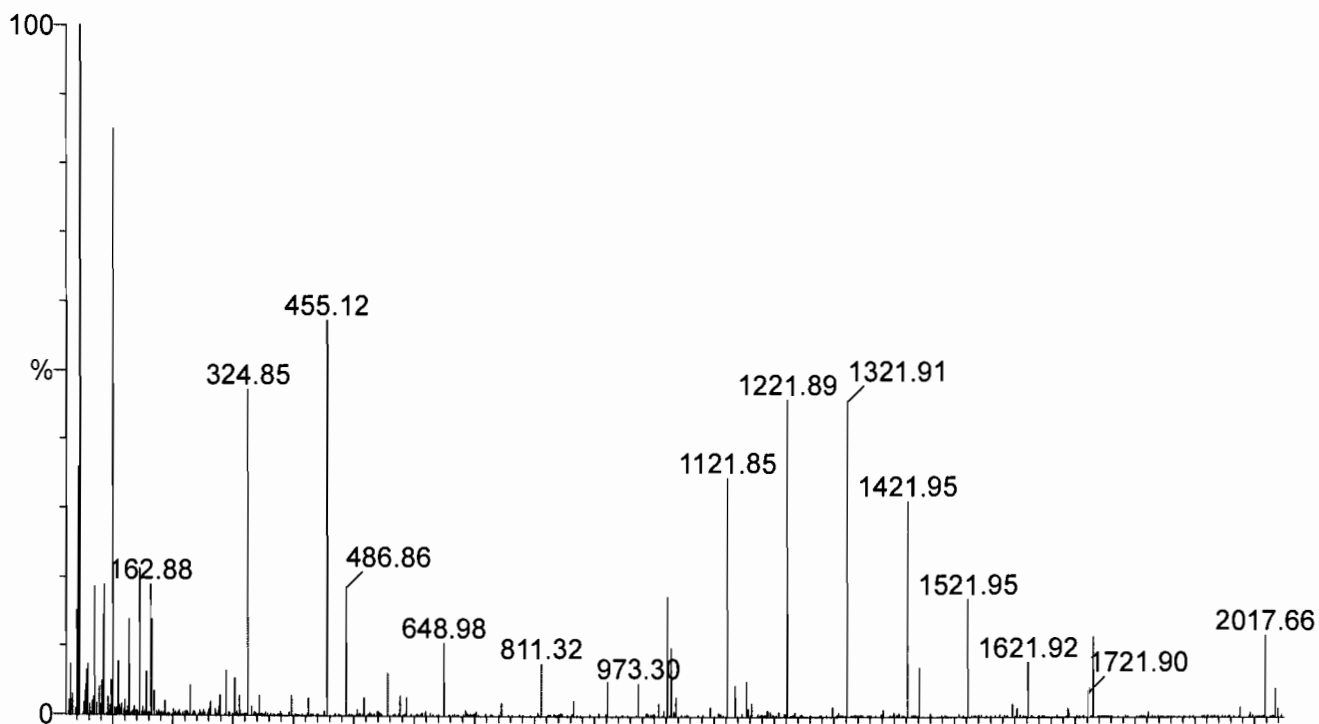
Mean residual = 0.0514 amu



Printed: Sun Jul 22 15:43:05 2018

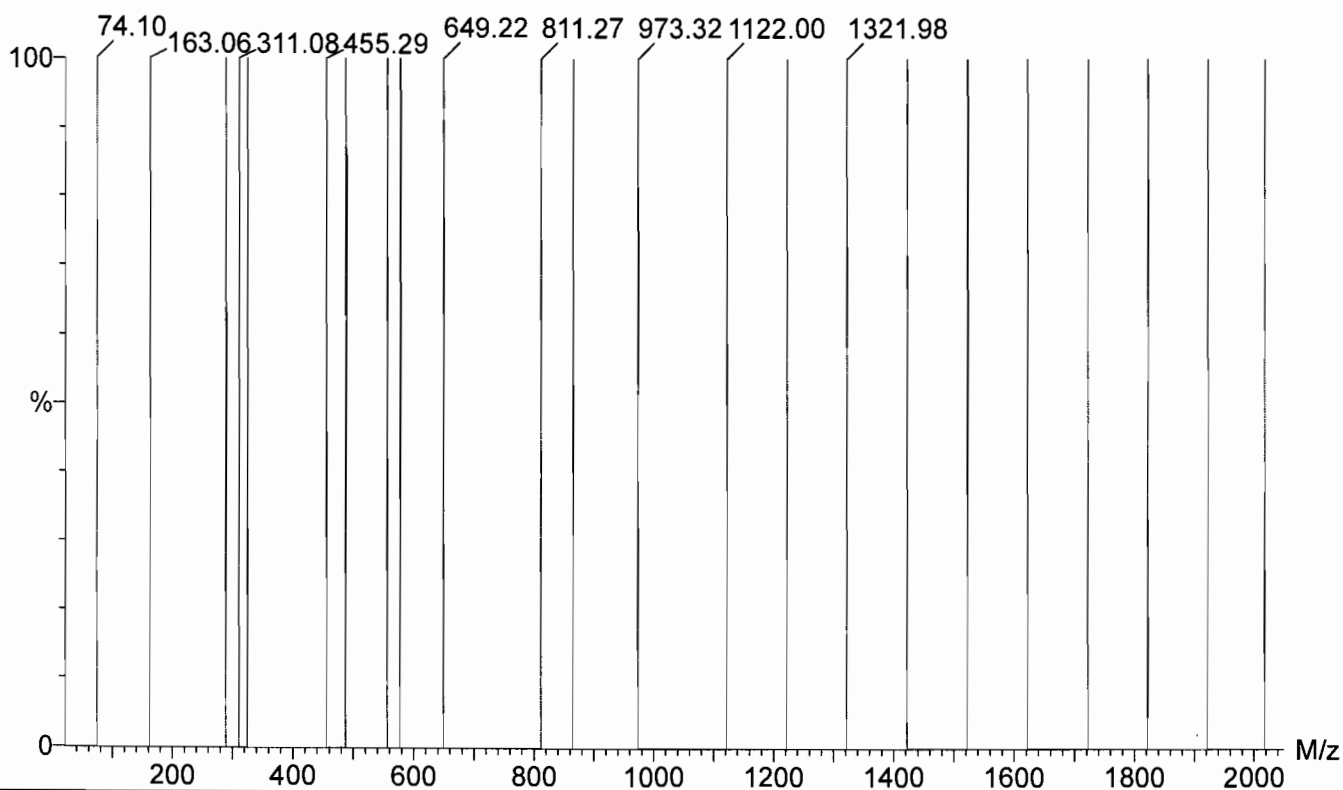
Data file: FASTMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

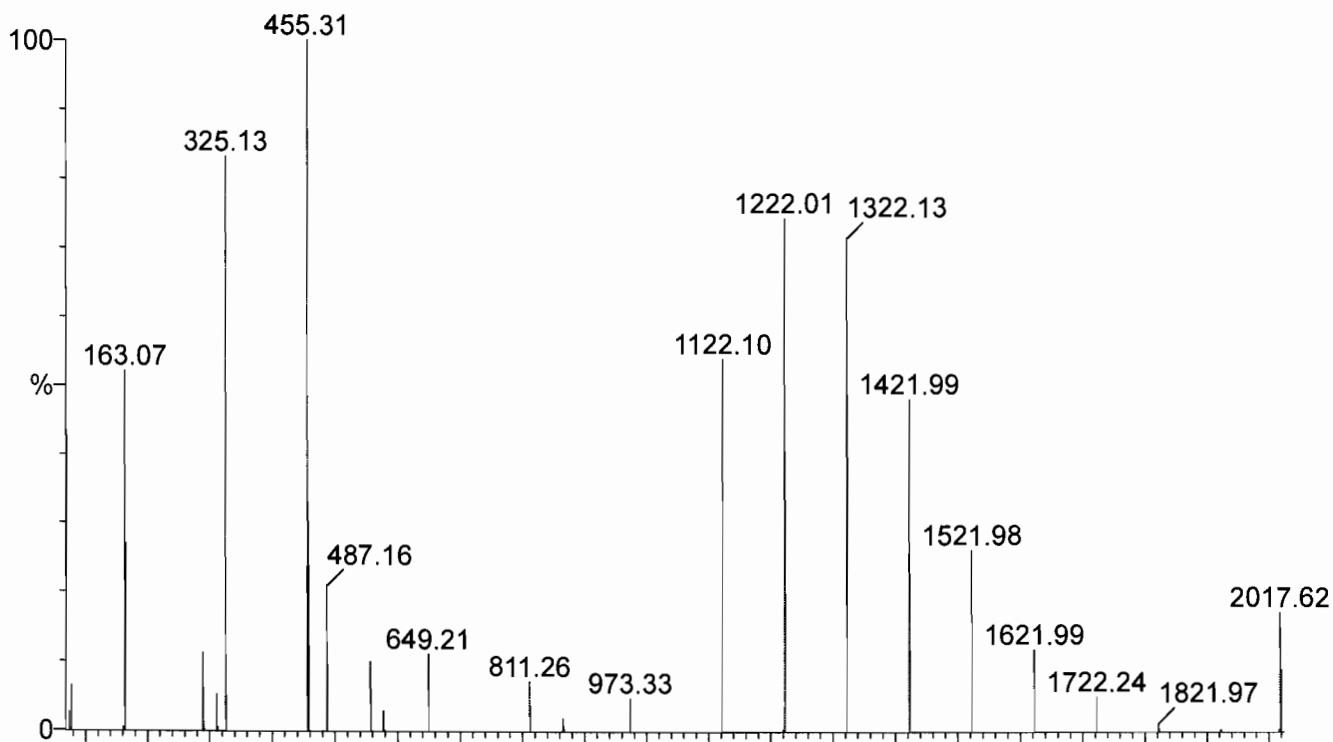
Mean residual = 0.131 amu



Printed: Sun Jul 22 15:44:14 2018

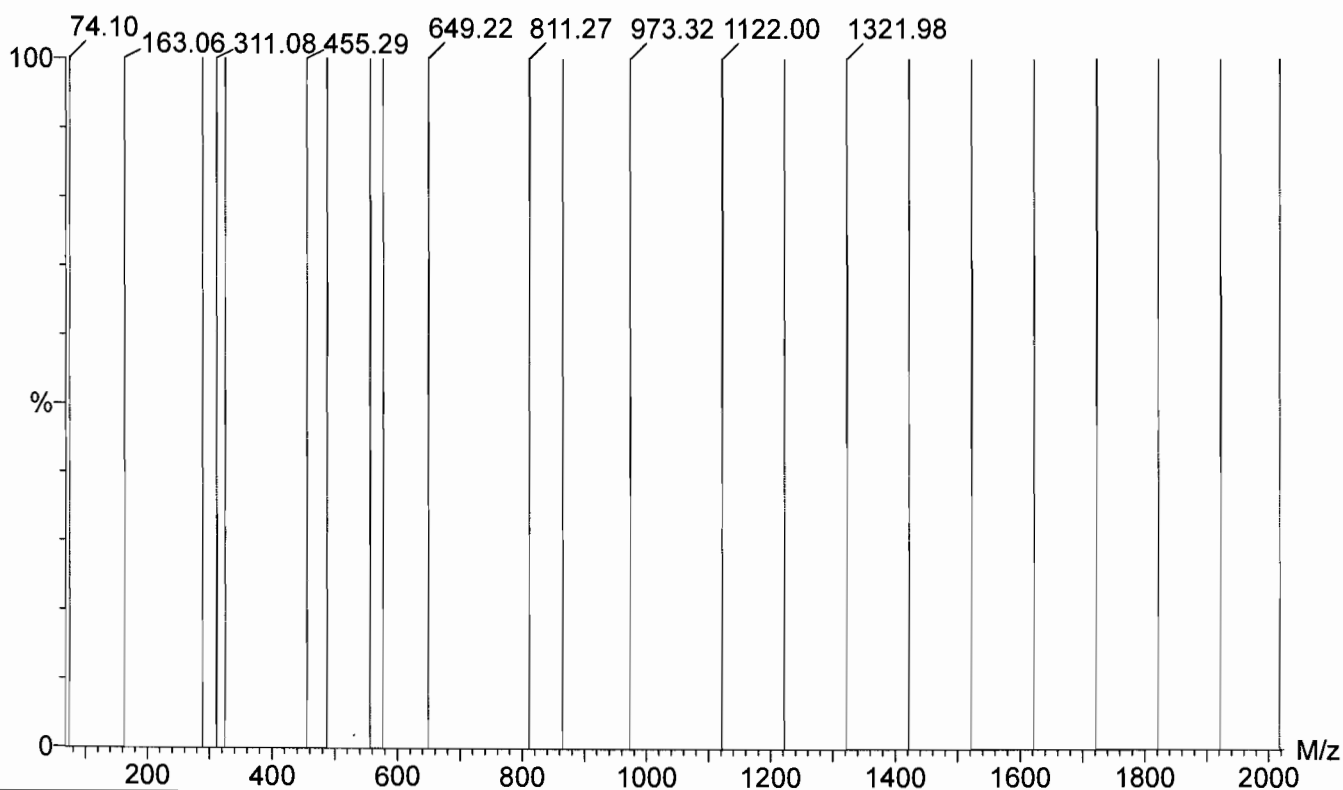
Data file: STATMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

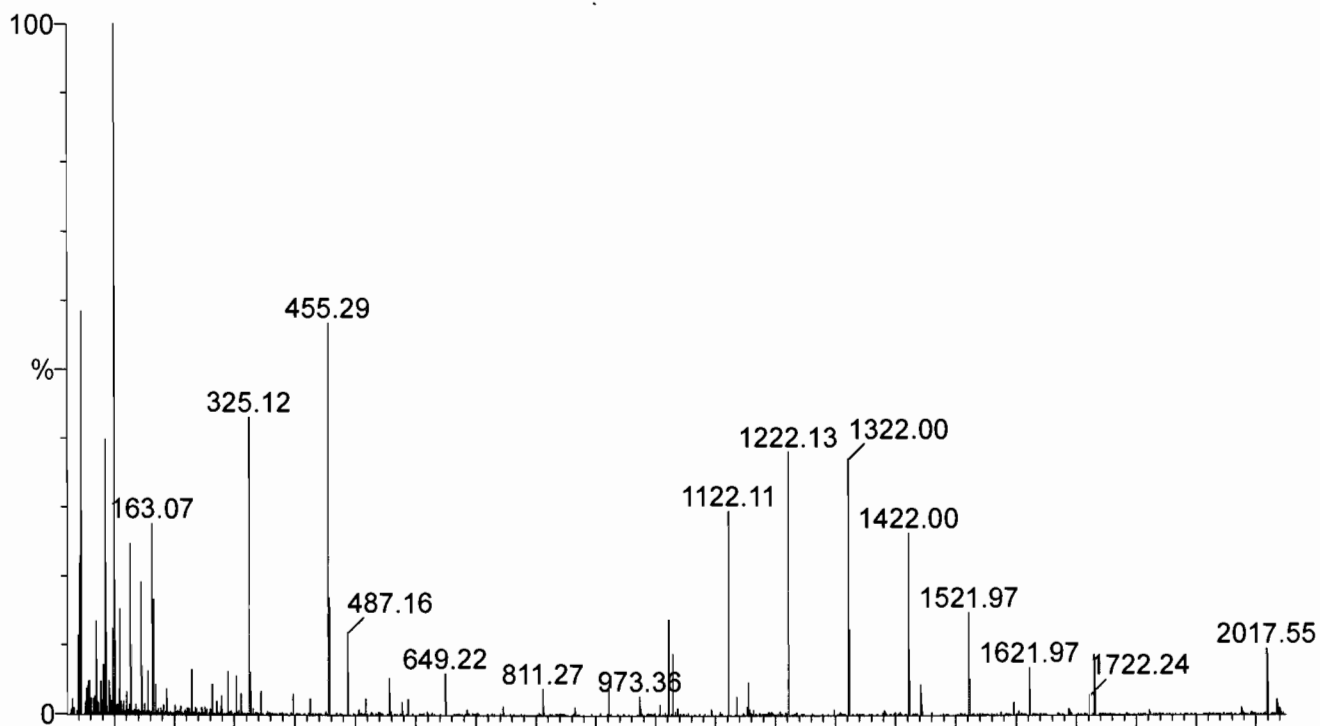
Mean residual = 0.0392 amu



Printed: Sun Jul 22 15:45:22 2018

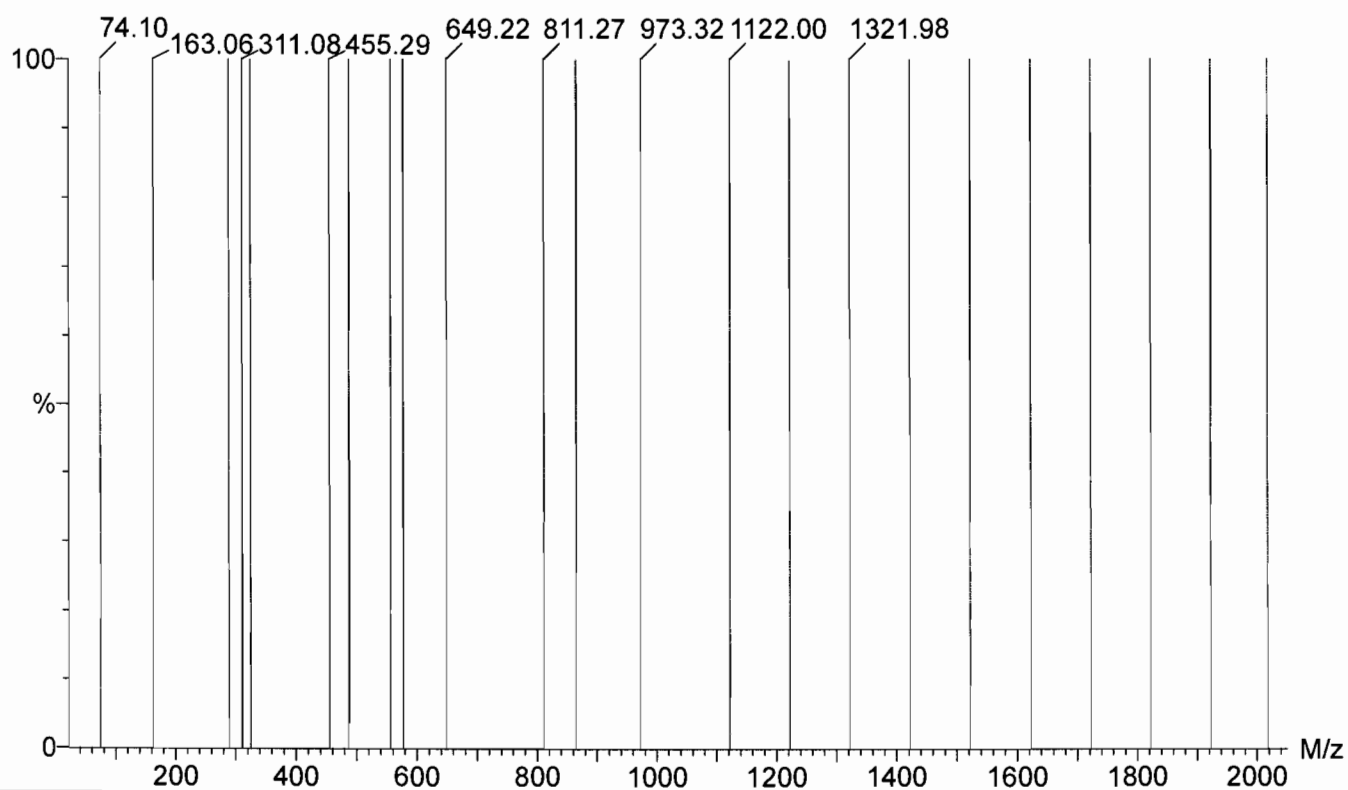
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

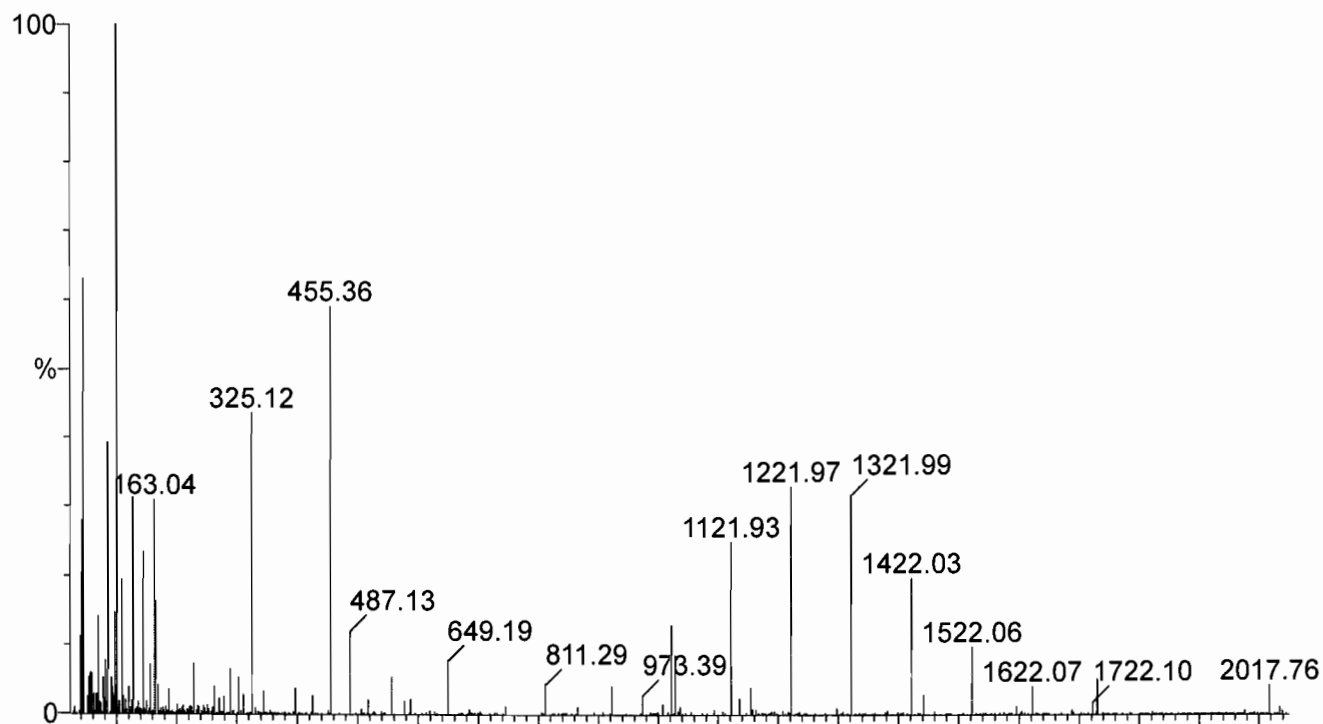
Mean residual = 0.0355 amu



Printed: Sun Jul 22 15:46:48 2018

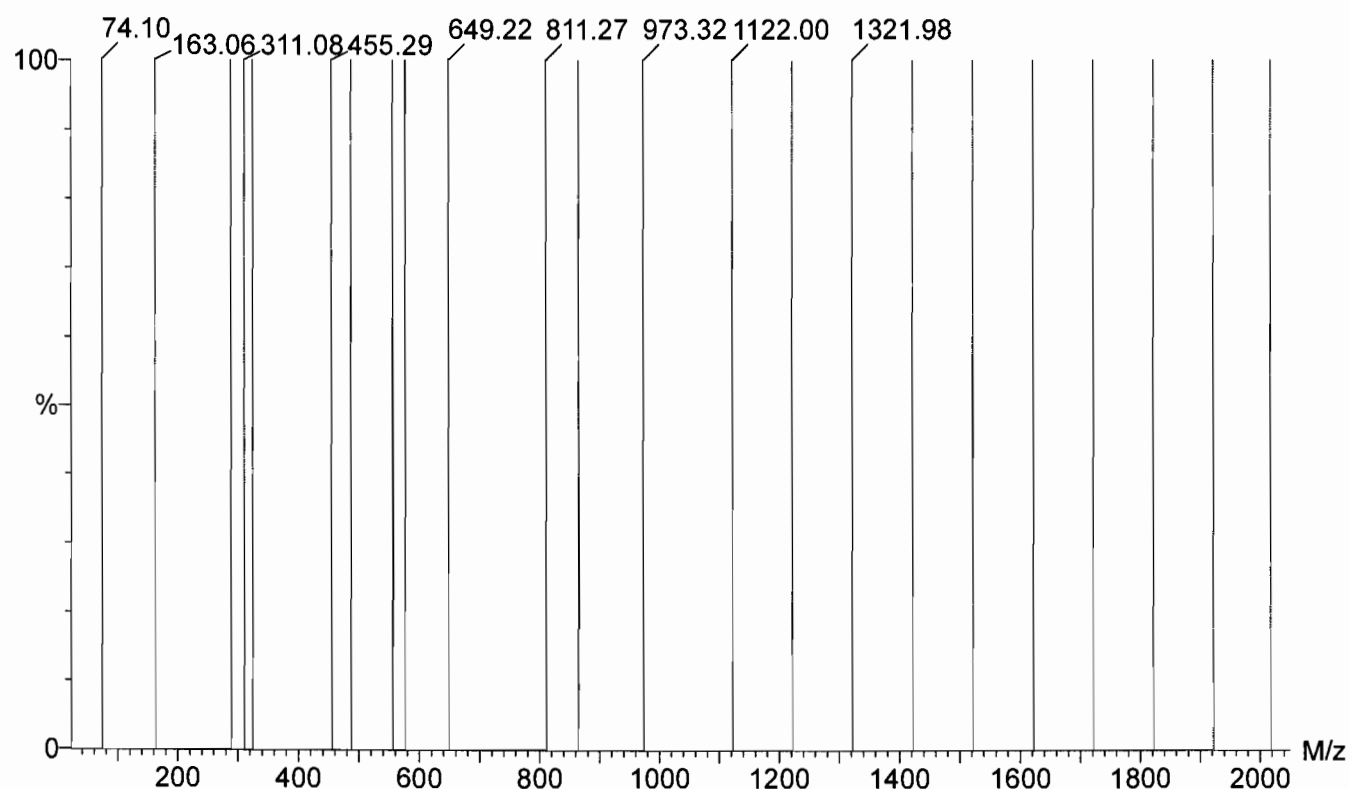
Data file: FASTMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.0487 amu



TUNE Check Q4(M) 07-26-18

Calibration Verification Report - MS1 Static

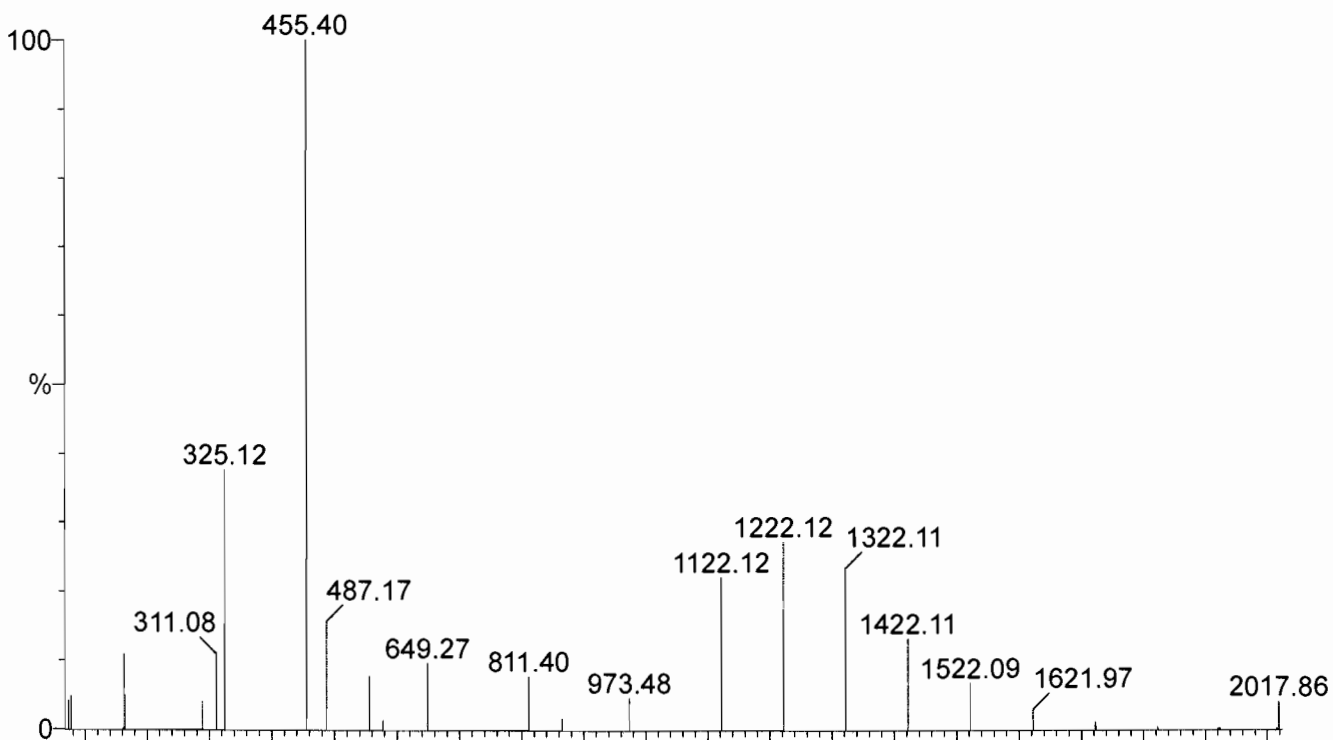
20180723_1

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Printed: Thu Jul 26 15:03:21 2018

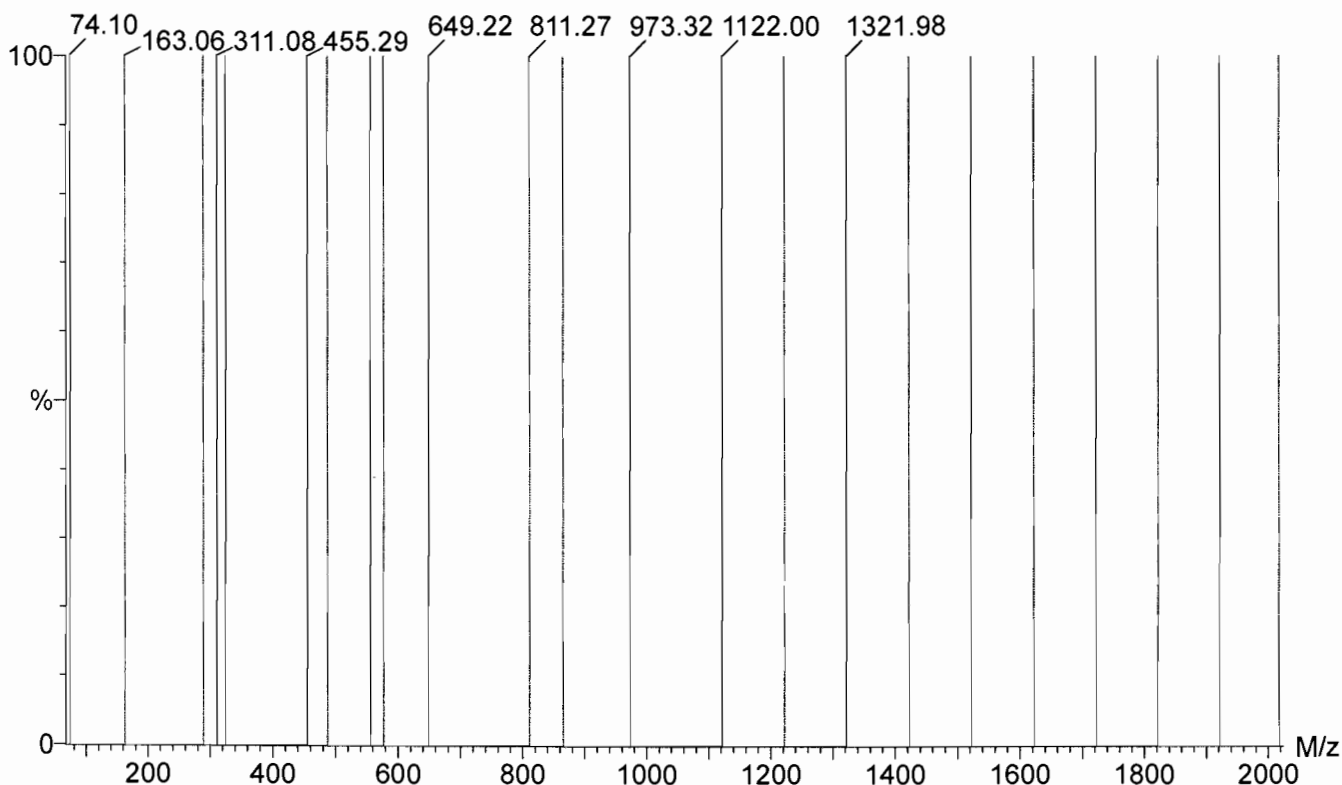
Data file: STATMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

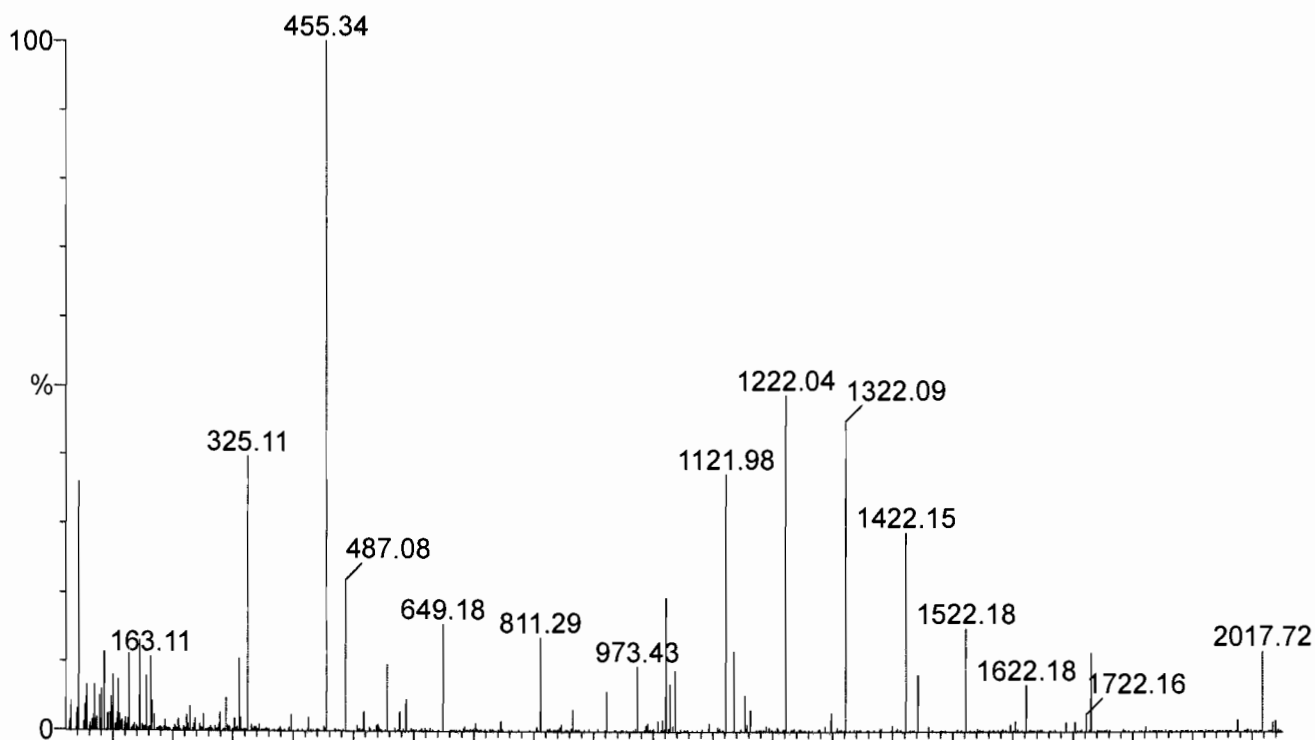
Mean residual = 0.0885 amu



Printed: Thu Jul 26 15:05:41 2018

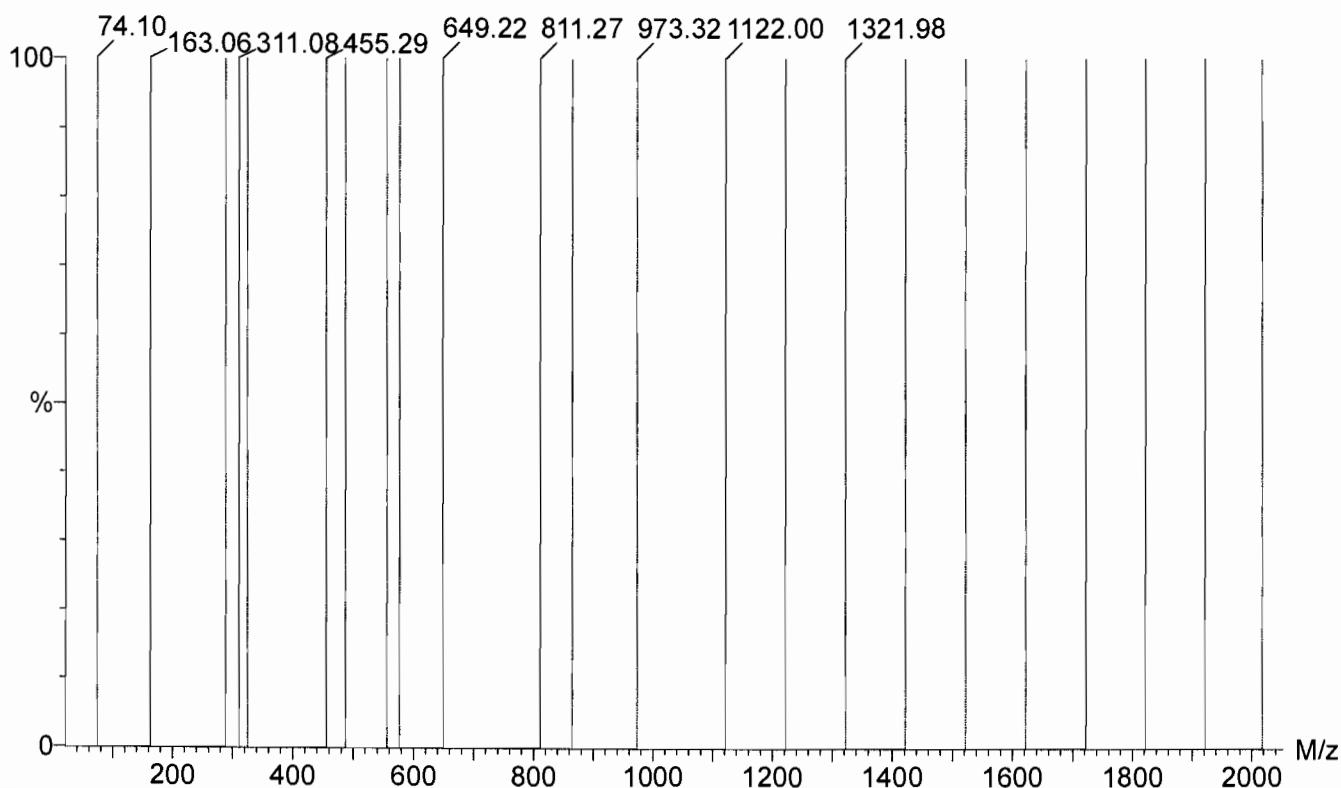
Data file: FASTMS1V - Calibrated

23 matches of 23 tested references

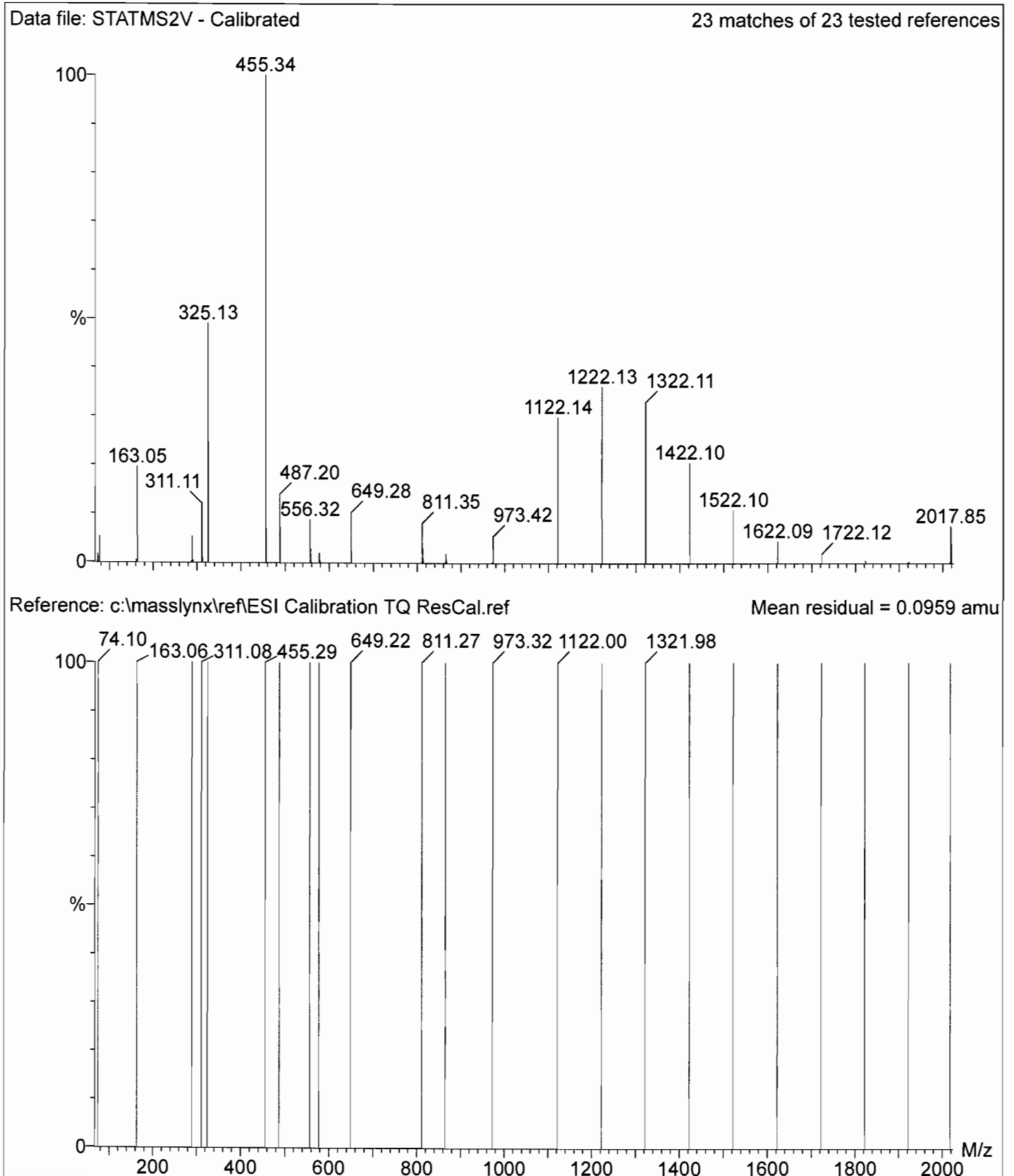


Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.111 amu



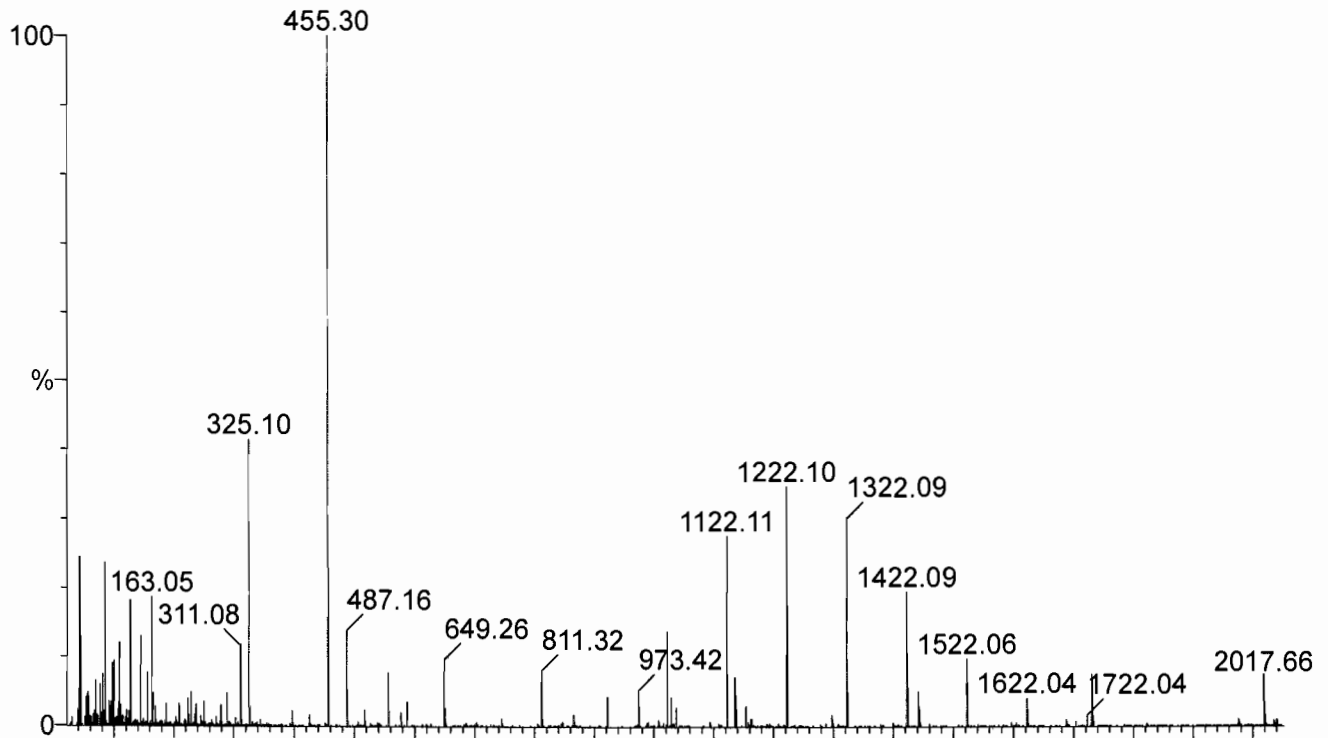
Printed: Thu Jul 26 15:06:49 2018



Printed: Thu Jul 26 15:07:58 2018

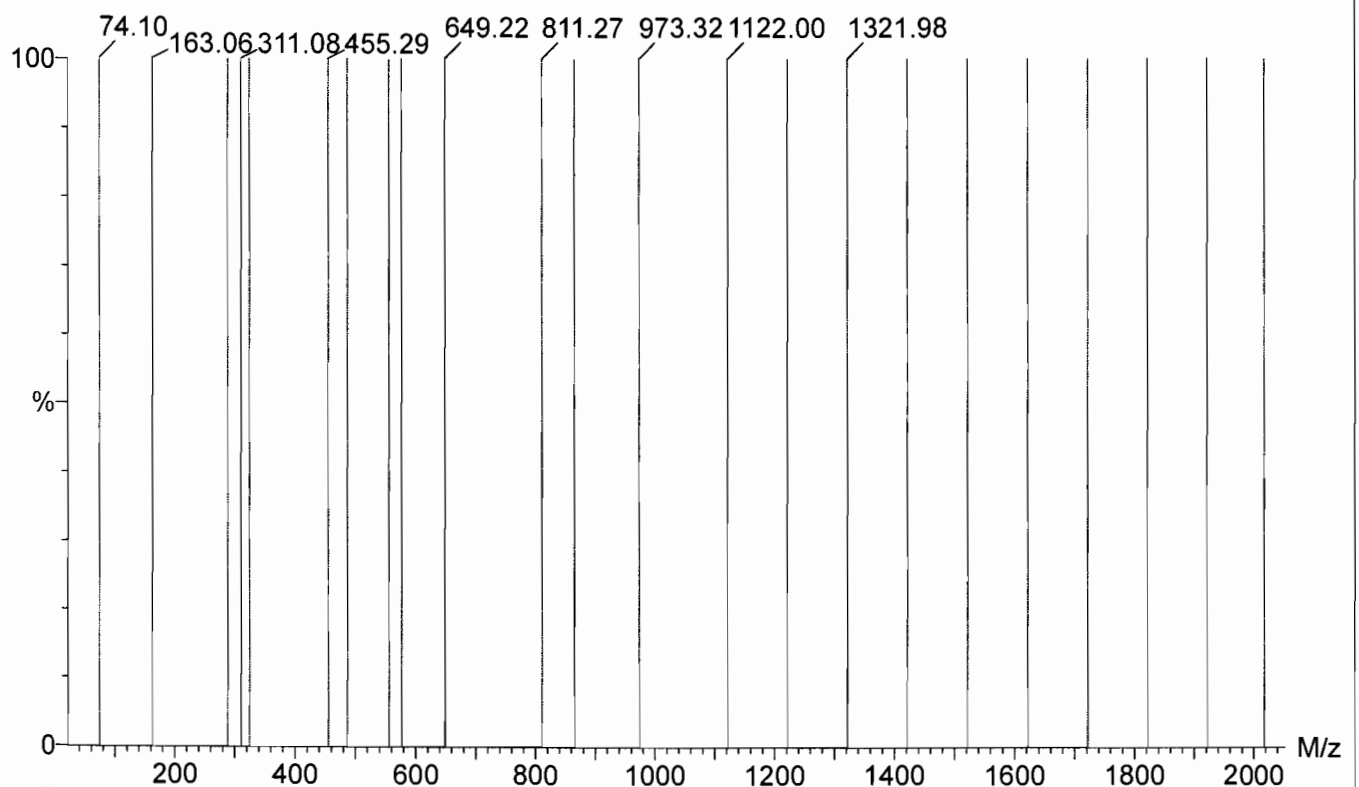
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references

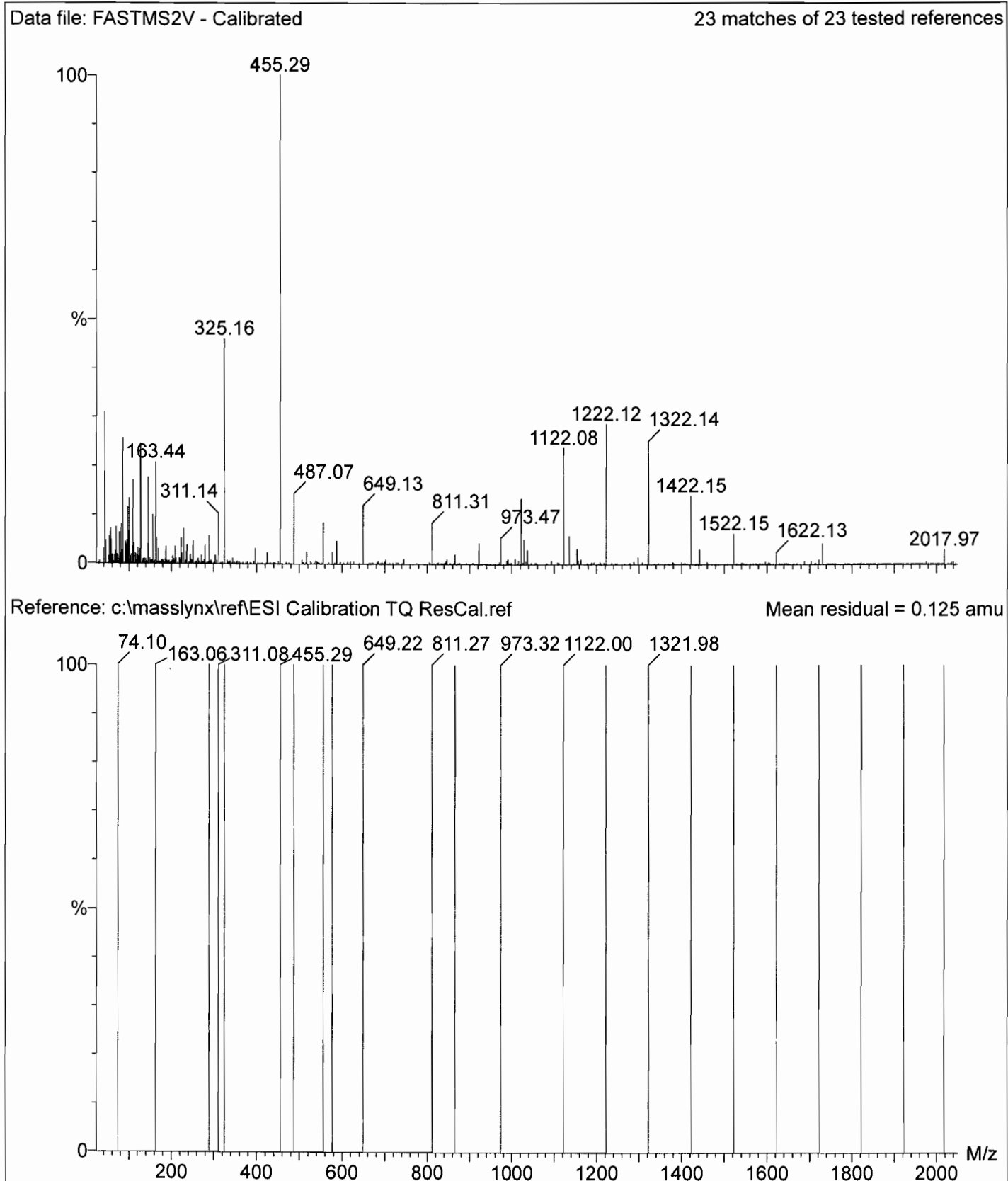


Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.052 amu



Printed: Thu Jul 26 15:09:24 2018



"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","2.09","","TRG","Yes","Y","J","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","2355-31-9","MeFOSAA","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","2991-50-6","EtFOSAA","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

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"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","72629-94-8","PFTTrDA","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","1.33","1.95","3.90","NG_L","NG_L","","","","","","","","","","","","",""

"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","13C3-PFBS","13C3-PFBS","122","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","122","122","","","","","50","150","","",""

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"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","13C4-PFHpA","13C4-PFHpA","81.6","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","81.6","81.6","","","","","50","150","","",""

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"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","13C5-PFNA","13C5-PFNA","63.3","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","63.3","63.3","","","","","50","150","","",
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"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","13C2-PFDoA","13C2-PFDoA","72.0","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","72.0","72.0","","","","","50","150",
"SP-NorthEFF-20180706","537_MOD","07/22/18","23:40","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","69.8","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","69.8","69.8","","","","","50","150",
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"SP-SouthINF-20180706","537_MOD","07/27/18","13:36","N","NA","DL1","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","3690","","TRG","Yes","Y","D","Y","13.1","19.2","38.3","NG_L","NG_L","","","","","50","150",
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"SP-SouthINF-20180706","537_MOD","07/22/18","23:51","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","61.0","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","61.0","61.0","","","","","","50","150"
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"SP-SouthINF-20180706","537_MOD","07/22/18","23:51","N","NA","000","13C2-PFUnA","13C2-PFUnA","63.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","63.7","63.7","","","","","","50","150",""
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"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","42.4","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","42.4","106","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","42.3","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","42.3","106","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","49.0","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","49.0","122","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","42.2","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","42.2","106","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","44.4","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","44.4","111","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","39.9","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","39.9","99.6","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","39.4","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","39.4","98.4","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","2355-31-9","MeFOSAA","42.5","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","42.5","106","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","2991-50-6","EtFOSAA","38.8","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","38.8","96.9","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","43.3","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","43.3","108","","","70","130",""
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","46.2","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","40.0","46.2","116","","","70","130",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","72629-94-8","PFTTrDA","47.7","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","","40.0","47.7","119","","","60","130","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","376-06-7","PFTeDA","45.3","","TRG","Yes","Y","","Y","1.37","2.00","4.00","NG_L","NG_L","","","","40.0","45.3","113","","","70","130","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C3-PFBS","13C3-PFBS","101","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","101","101","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFHxA","13C2-PFHxA","86.7","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","86.7","86.7","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C4-PFHpA","13C4-PFHpA","89.4","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","89.4","89.4","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","18O2-PFHxS","18O2-PFHxS","81.5","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","81.5","81.5","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFOA","13C2-PFOA","85.7","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","85.7","85.7","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C5-PFNA","13C5-PFNA","77.7","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","77.7","77.7","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C8-PFOS","13C8-PFOS","82.6","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","82.6","82.6","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFDA","13C2-PFDA","67.4","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","67.4","67.4","","","","","50","150","","",""

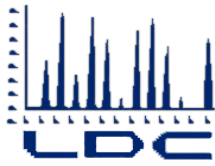
"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","66.0","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","66.0","66.0","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","66.2","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","66.2","66.2","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFUnA","13C2-PFUnA","65.7","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","65.7","65.7","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFDoA","13C2-PFDoA","63.4","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","63.4","63.4","","","","","50","150","","",""

"B8G0119-BS1","537_MOD","07/22/18","21:45","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","68.5","","IS","Yes","Y","","Y","","","PCT_REC","","","","","100","68.5","68.5","","","","","50","150","","",""



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

KMEA
9210 Sky Park Ct.
San Diego, CA 92123
ATTN: Kelly Kwok

September 13, 2018

SUBJECT: REVISED MCAS Tustin, Data Validation

Dear Ms. Kwok,

Enclosed are the revised validation reports for the fraction listed below. These SDGs were received on August 22, 2018. Attachment 1 is a summary of the samples that were reviewed for each analysis.

- Revision: Changed validation level to Stage 4 to all SPLs.

LDC Project #42952_RV1:

<u>SDG #</u>	<u>Fraction</u>
320-41998-1, 1801623 1801766	Perfluorinated Alkyl Acids

The data validation was performed under Stage 4 validation guidelines. The analyses were validated using the following documents and variances, as applicable to each method:

- Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances in Groundwater in Carve-Outs 5 and 6, Former Marine Corps Air Station Tustin, Tustin, California, Addendum #01 to Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances Sampling for Groundwater Remedial Action at OU3, Installation Restoration Program Site 1
- U.S. Department of Defense Quality Systems Manual for Environmental Laboratories, Version 5.1, 2017
- USEPA, Program National Functional Guidelines for Superfund Organic Methods Data Review, August 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B review). These sample counts do not include DL, RE, MS, MSD, or DUP's.

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: MCAS Tustin

LDC Report Date: September 12, 2018

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 4

Laboratory: TestAmerica, Inc.

Sample Delivery Group (SDG): 320-41998-1

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TW01S-20180713	320-41998-1	Water	07/13/18
TW02S-20180713	320-41998-2	Water	07/13/18
TW03S-20180713	320-41998-3	Water	07/13/18
TW03S-20180713DL	320-41998-3DL	Water	07/13/18
TW04S-20180713	320-41998-4	Water	07/13/18
TW04S-20180713DL	320-41998-4DL	Water	07/13/18
DUP02-20180713	320-41998-5	Water	07/13/18
I012MW07S-20180713	320-41998-7	Water	07/13/18
I012MW07S-20180713DL	320-41998-7DL	Water	07/13/18
TW03S-20180713MS	320-41998-3MS	Water	07/13/18
TW03S-20180713MSD	320-41998-3MSD	Water	07/13/18
TW03S-20180713DLMS	320-41998-3DLMS	Water	07/13/18
TW03S-20180713DLMSD	320-41998-3DLMSD	Water	07/13/18

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances in Groundwater in Carve-Outs 5 and 6, Former Marine Corps Air Station Tustin, Tustin, California, Addendum #01 to Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances Sampling and Groundwater Remedial Action at Operable Unit 3, Installation Restoration Program Site 1 (June 2018), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (August 2014). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537 Modified

All sample results were subjected to Stage 4 data validation, which is comprised of the quality control (QC) summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
TW01S-20180713 TW02S-20180713 TW03S-20180713 TW03S-20180713DL TW04S-20180713 TW04S-20180713DL DUP02-20180713 I012MW07S-20180713	All compounds	29	14	J (all detects) UJ (all non-detects)	P

II. LC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

For each calibration point, the percent differences (%D) of its true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB02-20180713 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were not required by the method.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were not within the QC limits for TW03S-20180713MS/MSD and TW03S-20180713DLMS/MSD. No data were qualified since the parent sample results were greater than 4X the spiked concentration or was analyzed at greater than or equal to a 5X dilution. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples TW02S-20180713 and DUP02-20180713 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	TW02S-20180713	DUP02-20180713				
PFHxA	0.12	0.12	0 (≤30)	-	-	-
PFHpA	0.039	0.038	3 (≤30)	-	-	-
PFOA	0.59	0.53	11 (≤30)	-	-	-
PFNA	0.0023U	0.00093	-	0.00137 (≤0.0031)	-	-
PFDaA	0.0023U	0.00088	-	0.00142 (≤0.0031)	-	-
PFTeDA	0.0046U	0.0015	-	0.0031 (≤0.0062)	-	-
PFBS	0.027	0.025	8 (≤30)	-	-	-
PFHxS	0.078	0.0789	1 (≤30)	-	-	-

Compound	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	TW02S-20180713	DUP02-20180713				
PFOS	0.041	0.040	2 (≤30)	-	-	-

XI. Internal Standards

All internal standard recoveries (%R) were within QC limits.

XII. Compound Quantitation

All compound quantitations met validation criteria.

XIII. Target Compound Identifications

All target compound identifications met validation criteria.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable as follows:

Sample	Compound	Finding	Flag	A or P
TW03S-20180713	PFHxA PFOA PFOS	Sample result exceeded calibration range.	Do not report	-
TW03S-20180713DL	All compounds except PFHxA PFOA PFOS	Sample result exceeded calibration range.	Do not report	-
TW04S-20180713	PFOA PFOS	Sample result exceeded calibration range.	Do not report	-
TW04S-20180713DL	All compounds except PFOA PFOS	Sample result exceeded calibration range.	Do not report	-

Sample	Compound	Finding	Flag	A or P
I012MW07S-20180713	PFHxA PFHpA PFOA PFBS PFHxS PFOS	Sample result exceeded calibration range.	Do not report	-
I012MW07S-20180713DL	All compounds except PFHxA PFHpA PFOA PFBS PFHxS PFOS	Sample result exceeded calibration range.	Do not report	-

Due to technical holding time, data were qualified as estimated in nine samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

MCAS Tustin
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 320-41998-1

Sample	Compound	Flag	A or P	Reason
TW01S-20180713 TW02S-20180713 DUP02-20180713	All compounds	J (all detects) UJ (all non-detects)	P	Technical holding times
TW03S-20180713	All compounds except PFHxA PFOA PFOS	J (all detects) UJ (all non-detects)	P	Technical holding times
TW03S-20180713DL	PFHxA PFOA PFOS	J (all detects) UJ (all non-detects)	P	Technical holding times
TW04S-20180713	All compounds except PFOA PFOS	J (all detects) UJ (all non-detects)	P	Technical holding times
TW04S-20180713DL	PFOA PFOS	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Technical holding times
I012MW07S-20180713	All compounds except PFHxA PFHpA PFOA PFBS PFHxS PFOS	J (all detects) UJ (all non-detects)	P	Technical holding times
I012MW07S-20180713DL	PFHxA PFHpA PFOA PFBS PFHxS PFOS	J (all detects) UJ (all non-detects)	P	Technical holding times
TW03S-20180713	PFHxA PFOA PFOS	Do not report	-	Overall assessment of data
TW03S-20180713DL	All compounds except PFHxA PFOA PFOS	Do not report	-	Overall assessment of data
TW04S-20180713	PFOA PFOS	Do not report	-	Overall assessment of data
TW04S-20180713DL	All compounds except PFOA PFOS	Do not report	-	Overall assessment of data

Sample	Compound	Flag	A or P	Reason
I012MW07S-20180713	PFHxA PFHpA PFOA PFBS PFHxS PFOS	Do not report	-	Overall assessment of data
I012MW07S-20180713DL	All compounds except PFHxA PFHpA PFOA PFBS PFHxS PFOS	Do not report	-	Overall assessment of data

MCAS Tustin

Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 320-41998-1

No Sample Data Qualified in this SDG

MCAS Tustin

Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 320-41998-1

No Sample Data Qualified in this SDG

LDC #: 42952A96
 SDG #: 320-41998-1
 Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Stage 2 ~~2~~ 4

Date: 8/1/18
 Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537-Modified)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, TW	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A+A	ISO ≤ 20%, TML TOB ≤ 30%, ICV ≤ 30%
IV.	Continuing calibration	A	CCV ≤ 30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	EB = 8
VII.	Surrogate spikes	N	
VIII.	Matrix spike/Matrix spike duplicates	TW	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	TW	DB = 2 + 7
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	TW	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

SB=Source blank
 OTHER:

	Client ID	Lab ID	Matrix	Date
1	TW01S-20180713 ~~***~~	320-41998-1 ~~***~~	Water	07/13/18
2	TW02S-20180713 DI	320-41998-2	Water	07/13/18
3	TW03S-20180713	320-41998-3	Water	07/13/18
4	TW03S-20180713DL	320-41998-3DL	Water	07/13/18
5	TW04S-20180713	320-41998-4	Water	07/13/18
6	TW04S-20180713DL	320-41998-4DL	Water	07/13/18
7	DUP02-20180713 DI	320-41998-5	Water	07/13/18
8	~~EB02-20180713~~	~~320-41998-6~~	~~Water~~	~~07/13/18~~
9	I012MW07S-20180713	320-41998-7	Water	07/13/18
10	I012MW07S-20180713DL	320-41998-7DL	Water	07/13/18
11	TW03S-20180713MS	320-41998-3MS	Water	07/13/18
12	TW03S-20180713MSD	320-41998-3MSD	Water	07/13/18
13	TW03S-20180713DLMS	320-41998-3DLMS	Water	07/13/18
14	TW03S-20180713DLMSD	320-41998-3DLMSD	Water	07/13/18

Method: LC/MS PFOS/PFOAs (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	☒	☐	☐	
Cooler temperature criteria was met.	☒	☐	☐	
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq 20\%$?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	☐	☐	☒	
Were the S/N ratio for all compounds within validation criteria?	☒	☐	☐	
Were all analytes within 70-130% or percent differences (%D) $\leq 30\%$ of their true value for each calibration standard?	☒	☐	☐	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq 30\%$	☒	☐	☐	
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq 30\%$	☒	☐	☐	
Were the S/N ratio for all compounds within validation criteria?	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
V. Laboratory Blanks				
Was a method blank associated with every sample in this SDG?	☒	☐	☐	
Was a method blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	☒	☐	☐	
VI. Field blanks				
Field blanks were identified in this SDG.	☒	☐	☐	
Target compounds were detected in the field blanks.	☐	☒	☐	
VII. Surrogate spikes				
Were all surrogate %R within the QC limits?	☐	☐	☒	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	☐	☐	☒	
VIII. Matrix spike/Matrix spike duplicates				

LDC #: A952A96

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: [Signature]
2nd Reviewer: [Signature]

Validation Area	Yes	No	NA	Findings/Comments
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	/			
Was a MS/MSD analyzed every 20 samples of each matrix?	/			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		/		
IV. Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
X. Field duplicates				
Field duplicate pairs were identified in this SDG.	/			
Target compounds were detected in the field duplicates.	/			
XI. Internal standards				
Were internal standard area counts within acceptance limits?	/			
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XIII. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XIV. System performance				
System performance was found to be acceptable.	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET COMPOUND WORKSHEET

METHOD: PFOS/PFOAs

A. Perfluorohexanoic acid (PFHxA)			
B. Perfluoroheptanoic acid (PFHpA)			
C. Perfluorooctanoic acid (PFOA)			
D. Perfluorononanoic acid (PFNA)			
E. Perfluorodecanoic acid (PFDA)			
F. Perfluoroundecanoic acid (PFUnA)			
G. Perfluorododecanoic acid (PFDoA)			
H. Perfluorotridecanoic acid (PFTriDA)			
I. Perfluorotetradecanoic acid (PFTeDA)			
J. Perfluorobutanesulfonic acid (PFBS)			
K. Perfluorohexanesulfonic acid (PFHxS)			
L. Perfluoroheptanesulfonic acid (PFHpS)			
M. Perfluorooctanesulfonic acid (PFOS)			
N. Perfluorodecanesulfonic acid (PFDS)			
O. Perfluorooctane Sulfonamide (FOSA)			
P. Perfluorobutanoic acid (PFBA)			
Q. Perfluoropentanoic acid (PFPeA)			
R. 6:2 FTS			
S. 8:2 FTS			
T. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)			
U. N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)			

VALIDATION FINDINGS WORKSHEET

Technical Holding Times

Method: LC/MS PFOS/PFOAs (EPA Method 537M)

All circled dates have exceeded the technical holding times.

1) N N/A Were all cooler temperatures within validation criteria?

[illegible]

TECHNICAL HOLDING TIME CRITERIA

Water: Extracted within 14 days, analyzed within 28 days.

Soil: Extracted within 14 days, analyzed within 28 days.

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) or duplicate sample analyzed for each matrix in this SDG?

YN N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y ~~N~~ N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

Y N ~~N/A~~ Were all duplicate sample relative percent differences (RPD) or differences within QC limits?

[illegible]

LDC#: 1-95A96**VALIDATION FINDINGS WORKSHEET**
Field DuplicatesPage: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]**METHOD:** PFCs (Method 537 mod)

Compound	Concentration (ug/L)		(≤30) RPD	Difference	Limits	Qual
	2	7				
A	0.12	0.12	0			
B	0.039	0.038	3			
C	0.59	0.53	11			
D	0.0023U	0.00093		0.00137	≤0.0031	
G	0.0023U	0.00088		0.00142	≤0.0031	
I	0.0046U	0.0015		0.0031	≤0.0062	
J	0.027	0.025	8			
K	0.078	0.0789	1			
M	0.041	0.040	2			

LDC #: 4295A96**VALIDATION FINDINGS WORKSHEET**
Overall Assessment of DataPage: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		3	A, C, M	> calibration	DNR
		4	All except A, C, M		
		5	C, M		
		6	All except C, M		
		9	A, B, C, J, K, M		
		10	All except A, B, C, J, K, M		✓

Comments: _____

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

Page: 1 of 1
 Reviewer: 9
 2nd Reviewer: RL

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

X = Mean of the RRFs

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (2.5 std)	RRF (2.5 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	ICAL	8/3/18	PFOA (1st internal standard)	1.0679	1.0679	1.0956	1.0956	12.8	12.8
	(A9)		PFOS (2nd internal standard)	1.1005	1.1005	1.0724	1.0724	2.8	2.8
			(3rd internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$

$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A_x = Area of compound,

C_x = Concentration of compound,

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported	Recalculated	Reported	Recalculated
					RRF (CC)	RRF (CC)	%D	%D
1	2018.08.11_006	8/11/18	PFOA (1st internal standard)	1.0956	1.075	1.075	1.9	1.9
			PFOS (2nd internal standard)	1.0724	1.052	1.052	1.9	1.9
2	2018.08.11.017	8/11/18		1.0956	1.068	1.068	2.5	2.5
				1.0724	1.109	1.109	3.4	3.4
3	2018.08.12.006	8/12/18		1.0956	1.114	1.114	1.7	1.7
				1.0724	1.075	1.075	0.3	0.3
4	2018.08.13.027	8/13/18		1.0956	1.100	1.100	0.4	0.4
				1.0724	1.029	1.029	4.1	4.1

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results

VALIDATION FINDINGS WORKSHEET I
Matrix Spike/Matrix Spike Duplicates Results Verification

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

$$\text{RPD} = | \text{MSC} - \text{MSD} | * 2 / (\text{MSC} + \text{MSDC})$$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 11/12

Compound	Spike Added (<u>11/12</u>)		Sample Concentration (<u>11/12</u>)	Spiked Sample Concentration (<u>11/12</u>)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
						Percent Recovery		Percent Recovery		RPD	
	MS	MSD			MS	MSD	Reported	Recalc	Reported	Recalc	Reported
<u>PFOA</u>	<u>0.037</u>	<u>0.036</u>	<u>0.41</u>	<u>0.433</u>	<u>0.453</u>	<u>62</u>	<u>61</u>	<u>117</u>	<u>117</u>	<u>4</u>	<u>4</u>
<u>PFOS</u>	<u>0.075</u>	<u>0.074</u>	<u>0.59</u>	<u>0.600</u>	<u>0.648</u>	<u>25</u>	<u>28</u>	<u>167</u>	<u>170</u>	<u>8</u>	<u>8</u>

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Laboratory Control Sample/Laboratory Control Sample Duplicates Results VerificationReviewer: 92nd Reviewer: JV**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration
SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 320-239407

Compound	Spike Added (<u>12/4</u>)		Spike Concentration (<u>12/4</u>)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
<u>PFOA</u>	<u>0.0400</u>	<u>NA</u>	<u>0.0381</u>	<u>NA</u>	<u>95</u>	<u>95</u>				
<u>PFOS</u>	<u>0.0371</u>	<u>✓</u>	<u>0.0366</u>	<u>✓</u>	<u>99</u>	<u>99</u>				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: 9

2nd reviewer: IV

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D.

Conc. = $\frac{(3029612) \times (1.95) \times (10)}{(6469255) \times (1.095) \times 209.8}$

$$= 0.396 \mu\text{s}/\text{cm}$$

[illegible]

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS Tustin
LDC Report Date: September 12, 2018
Parameters: Perfluorinated Alkyl Acids
Validation Level: Stage 4
Laboratory: Vista Analytical Laboratory
Sample Delivery Group (SDG): 1801623

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SP-NorthINF-20180706	1801623-01	Water	07/06/18
SP-NorthEFF-20180706	1801623-02	Water	07/06/18
SP-SouthINF-20180706	1801623-03	Water	07/06/18
SP-SouthEFF-20180706	1801623-04	Water	07/06/18

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances in Groundwater in Carve-Outs 5 and 6, Former Marine Corps Air Station Tustin, Tustin, California, Addendum #01 to Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances Sampling and Groundwater Remedial Action at Operable Unit 3, Installation Restoration Program Site 1 (June 2018), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (August 2014). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537 Modified

All sample results were subjected to Stage 4 data validation, which is comprised of the quality control (QC) summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. LC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

For each calibration point, the percent differences (%D) of its true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were not required by the method.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard recoveries (%R) were within QC limits.

XII. Compound Quantitation

All compound quantitations met validation criteria.

XIII. Target Compound Identifications

All target compound identifications met validation criteria.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

MCAS Tustin

Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1801623

No Sample Data Qualified in this SDG

MCAS Tustin

Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1801623

No Sample Data Qualified in this SDG

MCAS Tustin

Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1801623

No Sample Data Qualified in this SDG

LDC #: 42952B96 **VALIDATION COMPLETENESS WORKSHEET**
 SDG #: 1801623 Stage 2B
 Laboratory: Vista Analytical Laboratory

Date: 8/2/18
 Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537-Modified)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	r^2 , $RSD \leq 30\%$ - $Tue LOD \leq 30\%$ - $ICV \leq 30\%$
IV.	Continuing calibration	A	$CCV \leq 30\%$
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	N	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Not reviewed for Stage 2B validation.
XIII.	Target compound identification	A	Not reviewed for Stage 2B validation.
XIV.	System performance	A	Not reviewed for Stage 2B validation.
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	SP-NorthINF-20180706 ~~***~~	1801623-01 ~~***~~	Water	07/06/18
2	SP-NorthEFF-20180706	1801623-02	Water	07/06/18
3	SP-SouthINF-20180706	1801623-03	Water	07/06/18
4	SP-SouthEFF-20180706	1801623-04	Water	07/06/18
5				
6				
7				
8				

Notes:

Method: LC/MS PFOS/PFOAs (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	☒	☐	☐	
Cooler temperature criteria was met.	☒	☐	☐	
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 20%?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $\geq$ 0.990?	☒	☐	☐	
Were the S/N ratio for all compounds within validation criteria?	☒	☐	☐	
Were all analytes within 70-130% or percent differences (%D) $\leq$ 30% of their true value for each calibration standard?	☒	☐	☐	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 30%	☒	☐	☐	
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 30%	☒	☐	☐	
Were the S/N ratio for all compounds within validation criteria?	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
V. Laboratory Blanks				
Was a method blank associated with every sample in this SDG?	☒	☐	☐	
Was a method blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	☐	☒	☐	
VI. Field blanks				
Field blanks were identified in this SDG.	☐	☒	☐	
Target compounds were detected in the field blanks.	☐	☐	☒	
VII. Surrogate spikes				
Were all surrogate %R within the QC limits?	☐	☒	☐	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	☐	☐	☒	
VIII. Matrix spike/Matrix spike duplicates				

Validation Area	Yes	No	NA	Findings/Comments
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		☒		
Was a MS/MSD analyzed every 20 samples of each matrix?			☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			☒	
IV. Laboratory control samples				
Was an LCS analyzed for this SDG?	☒			
Was an LCS analyzed per extraction batch?	☒			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒			
X. Field duplicates				
Field duplicate pairs were identified in this SDG.		☒		
Target compounds were detected in the field duplicates.			☒	
XI. Internal standards				
Were internal standard area counts within acceptance limits?	☒			
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	☒			
XIII. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒			
XIV. System performance				
System performance was found to be acceptable.	☒			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒			

TARGET COMPOUND WORKSHEET

METHOD: PFOS/PFOAs

A. Perfluorohexanoic acid (PFHxA)			
B. Perfluoroheptanoic acid (PFHpA)			
C. Perfluorooctanoic acid (PFOA)			
D. Perfluorononanoic acid (PFNA)			
E. Perfluorodecanoic acid (PFDA)			
F. Perfluoroundecanoic acid (PFUnA)			
G. Perfluorododecanoic acid (PFDoA)			
H. Perfluorotridecanoic acid (PFTriDA)			
I. Perfluorotetradecanoic acid (PFTeDA)			
J. Perfluorobutanesulfonic acid (PFBS)			
K. Perfluorohexanesulfonic acid (PFHxS)			
L. Perfluoroheptanesulfonic acid (PFHpS)			
M. Perfluorooctanesulfonic acid (PFOS)			
N. Perfluorodecanesulfonic acid (PFDS)			
O. Perfluorooctane Sulfonamide (FOSA)			
P. Perfluorobutanoic acid (PFBA)			
Q. Perfluoropentanoic acid (PFPeA)			
R. 6:2 FTS			
S. 8:2 FTS			
T. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)			
U. N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)			

LDC #: 1295396**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 1 of 2
Reviewer: 9
2nd Reviewer: JLC

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
7/22/2018	M1	PFOA	0	0.3249662	0.25	0.0625
			s1	0.554415	0.5	0.25
			s2	1.05194	1	1
			s3	2.1991187	2	4
			s4	4.97143	5	25
			s5	10.174628	10	100
			s6	50.401466	50	2500
			s7	99.165976	100	10000
			s8	258.53661	250	62500
			s9	484.4631793	500	250000

Regression Output	Calculated		Reported	
Constant	c	-0.77757	c	0.0442740
Std Err of Y Est				
R Squared		0.9997868		0.9995780
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.071062339	-0.000198133	1.03357	-1.17465E-04
Std Err of Coef.				
Correlation Coefficient		0.999893		
Coefficient of Determination (r^2)		0.999787		

LDC #: ~~4295~~ 496

Validation Findings Worksheet
Initial Calibration Calculation Verification

Page: 2 of 2
 Reviewer: 9
 2nd Reviewer: V6

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X ²) Conc.
7/22/2018	M1	PFOS	0	0.1202737	0.25	0.0625
			s1	0.3191512	0.5	0.25
			s2	0.83512	1	1
			s3	1.4104212	2	4
			s4	4.106465	5	25
			s5	8.8609587	10	100
			s6	40.585645	50	2500
			s7	96.510117	100	10000
			s8	249.07227	250	62500
			s9	486.01766	500	250000

Regression Output	Calculated		Reported	
Constant	c	-1.56638	c	-0.1106090
Std Err of Y Est				
R Squared		0.9996415		0.9983370
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	0.999643346	-4.58907E-05	0.933231	9.70021E-05
Std Err of Coef.				
Correlation Coefficient		0.999821		
Coefficient of Determination (r ²)		0.999641		

LDC #: 4293-396**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
7/26/2018	M1	PFOA	0	0.3503125	0.25	0.0625
			s1	0.6418312	0.5	0.25
			s2	1.0706925	1	1
			s3	1.914575	2	4
			s4	4.8606362	5	25
			s5	9.4179575	10	100
			s6	53.464143	50	2500
			s7	102.74622	100	10000
			s8	251.3236147	250	62500
			s9	462.6002413	500	250000

Regression Output	Calculated		Reported	
Constant	c	-0.37982	c	0.0373971
Std Err of Y Est				
R Squared		0.9999715		0.9964600
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.079523078	-0.000306411	1.06049	-2.65458E-04
Std Err of Coef.				
Correlation Coefficient		0.999986		
Coefficient of Determination (r^2)		0.999971		

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$

$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A_x = Area of compound,

C_x = Concentration of compound,

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported	Recalculated	Reported	Recalculated
					RRF (CC)	RRF (CC)	%D	%D
1	18072M126	7/23/18	PFOA (1st internal standard)	10	9.7	9.69	3.1	3.1
			PFOS (2nd internal standard)	1	9.7	9.7	3.0	3.0
			(3rd internal standard)					
2	18926M148	7/27/18	PFOA (1st internal standard)	1.0	~~1.0~~ 0.953	0.953	4.7	4.7
			(2nd internal standard)					
			(3rd internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results

Laboratory Control Sample/Laboratory Control Sample Duplicates Results VerificationReviewer: 92nd Reviewer: JV**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration
SA = Spike added

 $RPD = |LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: B860119-BS1

Compound	Spike Added (<u>NA/NA</u>)		Spike Concentration (<u>NA/NA</u>)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
~~PFOA~~	40.0	NA	42.2	NA	106	106				
~~PFOS~~	↓	↓	39.9	↓	99.6	99.7				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer:

2nd reviewer: NY

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

$$I_s = \text{Amount of internal standard added in nanograms (ng)}$$

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_f = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 1, PFOS

$$\text{Conc.} = \frac{(-0.9331) \pm \sqrt{(0.9331)^2 - 4 \times (9.702 \times 10^{-5}) \times (1.3364 \times 10^{-5})}}{(2) \times (9.702 \times 10^{-5})} - 0.166$$

$$= 599.46 \text{ ns/L}$$

[illegible]

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS Tustin

LDC Report Date: September 12, 2018

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 4

Laboratory: Vista Analytical Laboratory

Sample Delivery Group (SDG): 1801766

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
IS720W02S-20180712	1801766-02	Water	07/12/18
IS720W06S-20180712	1801766-04	Water	07/12/18
DUP01-20180712	1801766-05	Water	07/12/18
IS720W03S-20180712	1801766-06	Water	07/12/18
I012MW13S-20180712	1801766-07	Water	07/12/18

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances in Groundwater in Carve-Outs 5 and 6, Former Marine Corps Air Station Tustin, Tustin, California, Addendum #01 to Final Sampling and Analysis Plan for Per- and Polyfluoroalkyl Substances Sampling and Groundwater Remedial Action at Operable Unit 3, Installation Restoration Program Site 1 (June 2018), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (August 2014). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537 Modified

All sample results were subjected to Stage 4 data validation, which is comprised of the quality control (QC) summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
I012MW13S-20180712	PFBS PFHxA PFHpA PFHxS PFOA PFOS	18	14	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

II. LC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

For each calibration point, the percent differences (%D) of its true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analysis Date	Compound	Concentration	Associated Samples
B8G0154-BLK1	07/20/18	PFOA	2.31 ng/L	IS720W02S-20180712 IS720W06S-20180712 DUP01-20180712 IS720W03S-20180712
B8G0223-BLK1	07/30/18	PFHxS	1.38 ng/L	I012MW13S-20180712

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks.

VI. Field Blanks

Sample EB01-20180712 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Compound	Concentration	Associated Samples
EB01-20180712	07/12/18	PFOA	2.73 ng/L	IS720W02S-20180712 IS720W06S-20180712 DUP01-20180712 IS720W03S-20180712 I012MW13S-20180712

Sample SB01-20180712 was identified as a source blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Compound	Concentration	Associated Samples
SB01-20180712	07/12/18	PFOS	1.84 ng/L	IS720W02S-20180712 IS720W06S-20180712 DUP01-20180712 IS720W03S-20180712 I012MW13S-20180712

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks.

VII. Surrogates

Surrogates were not required by the method.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples DUP01-20180712 and I012MW13S-20180712 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	DUP01-20180712	I012MW13S-20180712				
PFBS	6430	3660	55 (≤ 30)	-	J (all detects)	A
PFHxA	9750	13400	32 (≤ 30)	-	J (all detects)	A
PFHpA	4420	6220	34 (≤ 30)	-	J (all detects)	A
PFHxS	111000	103000	7 (≤ 30)	-	-	-
PFOA	38400	34400	11 (≤ 30)	-	-	-
PFNA	146	127	14 (≤ 30)	-	-	-
PFOS	22500	19700	13 (≤ 30)	-	-	-
PFDA	15.8	12.0	-	3.8 (≤ 4.38)	-	-

XI. Internal Standards

All internal standard recoveries (%R) were within QC limits with the exception of samples DUP01-20180712 and I012MW13S-20180712. No data were qualified since the samples were analyzed at a dilution.

XII. Compound Quantitation

All compound quantitations met validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
DUP01-20180712 I012MW13S-20180712	PFHxS	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

XIII. Target Compound Identifications

All target compound identifications met validation criteria.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to technical holding time, field duplicate RPD, and results exceeding the calibration range, data were qualified as estimated in two samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

MCAS Tustin**Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1801766**

Sample	Compound	Flag	A or P	Reason
I012MW13S-20180712	PFBS PFHxA PFHpA PFHxS PFOA PFOS	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Technical holding times
DUP01-20180712 I012MW13S-20180712	PFBS PFHxA PFHpA	J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD)
DUP01-20180712 I012MW13S-20180712	PFHxS	J (all detects)	A	Compound quantitation (exceeded range)

MCAS Tustin**Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1801766**

No Sample Data Qualified in this SDG

MCAS Tustin**Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1801766**

No Sample Data Qualified in this SDG

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537-Modified)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A	RSO = 25%. Y ² True/ICV = 30%
IV.	Continuing calibration	A	CEV = 30%
V.	Laboratory Blanks	W	
VI.	Field blanks	W	EB = 3, SB = 1
VII.	Surrogate spikes	N	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LC9
X.	Field duplicates	W	D = 5 + 7
XI.	Internal standards	W	
XII.	Compound quantitation RL/LOQ/LODs	A	Not reviewed for Stage 2B validation.
XIII.	Target compound identification	A	Not reviewed for Stage 2B validation.
XIV.	System performance	A	Not reviewed for Stage 2B validation.
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB = Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	SB01-20180712	1801766-01	Water	07/12/18
2	IS720W02S-20180712	1801766-02	Water	07/12/18
3	EB01-20180712	1801766-03	Water	07/12/18
4	IS720W06S-20180712	1801766-04	Water	07/12/18
5	DUP01-20180712 D	1801766-05	Water	07/12/18
6	IS720W03S-20180712	1801766-06	Water	07/12/18
7	I012MW13S-20180712 D	1801766-07	Water	07/12/18
8				

Notes:

B840124-B41				
B840123-B41				

TARGET COMPOUND WORKSHEET

METHOD: PFOS/PFOAs

~~A.~~ Perfluorohexanoic acid (PFHxA)			
~~B.~~ Perfluoroheptanoic acid (PFHpA)			
~~C.~~ Perfluorooctanoic acid (PFOA)			
D. Perfluorononanoic acid (PFNA)			
E. Perfluorodecanoic acid (PFDA)			
F. Perfluoroundecanoic acid (PFUnA)			
G. Perfluorododecanoic acid (PFDoA)			
H. Perfluorotridecanoic acid (PFTriDA)			
I. Perfluorotetradecanoic acid (PFTeDA)			
~~J.~~ Perfluorobutanesulfonic acid (PFBS)			
~~K.~~ Perfluorohexanesulfonic acid (PFHxS)			
L. Perfluoroheptanesulfonic acid (PFHpS)			
~~M.~~ Perfluorooctanesulfonic acid (PFOS)			
N. Perfluorodecanesulfonic acid (PFDS)			
O. Perfluorooctane Sulfonamide (FOSA)			
P. Perfluorobutanoic acid (PFBA)			
Q. Perfluoropentanoic acid (PFPeA)			
R. 6:2FTS			
S. 8:2 FTS			
T. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)			
U. N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)			

VALIDATION FINDINGS WORKSHEET

Technical Holding Times

Method: LC/MS PFOS/PFOAs (EPA Method 537M)

All circled dates have exceeded the technical holding times.

Y/N N/A Were all cooler temperatures within validation criteria?

[illegible]

TECHNICAL HOLDING TIME CRITERIA

Water: Extracted within 14 days, analyzed within 28 days.

Soil: Extracted within 14 days, analyzed within 28 days.

LDC #: 4295-C96

VALIDATION FINDINGS WORKSHEET

BlanksPage: 1 of 1Reviewer: 92nd Reviewer: JG**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

☒ N N/A

Were all samples associated with a given method blank?

☒ N N/A

Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?

☒ N N/A

Was a method blank performed with each extraction batch?

☒ N N/A

Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 7/20/18 Blank analysis date: 7/25/18Conc. units: ng/LAssociated samples: 2, 4-6

Compound	Blank ID	Sample Identification							
	<u>B8F0154-BK1</u>								
<u>PFOA</u>	<u>2.31</u>								

Blank extraction date: 7/29/18 Blank analysis date: 8/15/18Associated samples: 7Conc. units: ng/L

Compound	Blank ID	Sample Identification							
	<u>B8F0223-BK1</u>								
<u>PFHxS</u>	<u>1.38</u>								

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 4952C96VALIDATION FINDINGS WORKSHEET
Field BlanksPage: 1 of 1
Reviewer: g
2nd Reviewer: me

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

☒ Y N N/A Were field blanks identified in this SDG?☒ Y N N/A Were target compounds detected in the field blanks?Blank units: NS/C Associated sample units: NS/CSampling date: 4/12/18Field blank type: (circle one) Trip Blank/Field Blank / Rinsate / Other: SB Associated Samples: 2, 4-7

Compound	Blank ID	Sample Identification							
	1								
PFOS	1.84								

Blank units: NS/C Associated sample units: NS/CSampling date: 7/12/18Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: 2, 4-7

Compound	Blank ID	Sample Identification							
	3								
PFOA	2.73								

LDC# 42952 96**VALIDATION FINDINGS WORKSHEET**
Field DuplicatesPage: 1 of 1
Reviewer: 9
2nd Reviewer: JV**METHOD:** PFCs (Method 537 mod)

Compound	Concentration (ug/L)		RPD (≤30)	Difference	Limits	Qual
	5	7				
PFBS	6430	3660	55			lots/A ↓
PFHxA	9750	13400	32			
PFHpA	4420	6220	34			
PFHxS	111000	103000	7			
PFOA	38400	34400	11			
PFNA	146	127	14			
PFOS	22500	19700	13			
PFDA	15.8	12.0		3.8	≤4.38	

Y N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

[illegible]

METHOD: GC ☒ ~~HPLC~~ *ms*

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y	N	N/A

Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

[illegible]

Comments: See sample calculation verification worksheet for recalculations

Method: LCMS (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 20%?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of $\geq$ 0.990?	☒	☐	☐	
Were all analytes within 70-130% or percent differences (%D) $\leq$ 30% of their true value for each calibration standard	☒	☐	☐	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 30%?	☒	☐	☐	
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) of the continuing calibration $\leq$ 30%?	☒	☐	☐	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.	☒	☐	☐	
VI. Field blanks				
Were field blanks identified in this SDG?	☒	☐	☐	
Were target compounds detected in the field blanks?	☒	☐	☐	
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	☐	☒	☐	
Was a MS/MSD analyzed every 20 samples of each matrix?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	☒	☐	☐	

LDC #: 42952C96

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: 9
2nd Reviewer: JK

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒	☐	☐	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target compounds detected in the field duplicates?	☒	☐	☐	
XI. Labeled standards				
Were internal standard area counts within $\pm 50\%$ of the associated calibration standard?	☐	☒	☐	
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	☒	☐	☐	
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	☒	☐	☐	
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	☒	☐	☐	
Were chromatogram peaks verified and accounted for?	☒	☐	☐	
XIV. System performance				
System performance was found to be acceptable.	☒	☐	☐	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

LDC #: 10952096**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 1 of 5
Reviewer: Q
2nd Reviewer: MB

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
7/24/2018	M1	PFOA	0	0.33366	0.25	0.0625
			s1	0.5829387	0.5	0.25
			s2	1.1960825	1	1
			s3	1.962205	2	4
			s4	5.32669	5	25
			s5	10.26973	10	100
			s6	50.938991	50	2500
			s7	98.28861	100	10000
			s8	245.97395	250	62500
			s9	481.65392	500	250000

Regression Output	Calculated		Reported	
Constant	c	0.17353	c	0.0966246
Std Err of Y Est				
R Squared		0.9999889		0.9999240
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.000174296	-7.41816E-05	1.00368	-8.17309E-05
Std Err of Coef.				
Correlation Coefficient		0.999994		
Coefficient of Determination (r^2)		0.999989		

LDC #: 42956C96

Validation Findings Worksheet Initial Calibration Calculation Verification

Page: 2 of 5
Reviewer: 9
2nd Reviewer: N6

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X ²) Conc.
7/24/2018	M1	PFOS	0	0.19717	0.25	0.0625
			s1	0.5345925	0.5	0.25
			s2	0.7852275	1	1
			s3	1.6106562	2	4
			s4	4.3264412	5	25
			s5	8.6639537	10	100
			s6	48.60679	50	2500
			s7	91.114356	100	10000
			s8	224.25001	250	62500
			s9	483.26303	500	250000

Regression Output	Calculated		Reported	
Constant	c	0.82641	c	-0.0082758
Std Err of Y Est				
R Squared		0.9997896		0.9993090
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	0.851325956	0.000224317	0.89405	0.000142388
Std Err of Coef.				
Correlation Coefficient		0.999895		
Coefficient of Determination (r ²)		0.999790		

LDC #: 1095696**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 3 of 5
Reviewer: 9
2nd Reviewer: JLB

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
7/25/2018	M1	PFOA	0	0.3514612	0.25	0.0625
			s1	0.5297637	0.5	0.25
			s2	1.0612212	1	1
			s3	1.8767062	2	4
			s4	4.81088	5	25
			s5	9.877145	10	100
			s6	50.465425	50	2500
			s7	103.35185	100	10000
			s8	244.79577	250	62500
			s9	473.22775	500	250000

Regression Output	Calculated		Reported	
Constant	c	0.05137	c	0.0363914
Std Err of Y Est				
R Squared		0.9999595		0.9998260
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.023485761	-0.000155302	1.02412	-1.56658E-04
Std Err of Coef.				
Correlation Coefficient		0.999980		
Coefficient of Determination (r^2)		0.999959		

LDC #: 10956096**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 4 of 5
Reviewer: 9
2nd Reviewer: JB

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
7/25/2018	M1	PFOS	0	0.2924012	0.25	0.0625
			s1	0.3518837	0.5	0.25
			s2	0.849175	1	1
			s3	1.6369012	2	4
			s4	3.9234325	5	25
			s5	8.70193	10	100
			s6	42.37124	50	2500
			s7	98.698087	100	10000
			s8	213.79478	250	62500
			s9	450.09033	500	250000

Regression Output	Calculated		Reported	
Constant	c	0.66467	c	-0.0733419
Std Err of Y Est				
R Squared		0.9990860		0.9980200
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	0.860878165	7.11457E-05	0.893725	5.90217E-07
Std Err of Coef.				
Correlation Coefficient		0.999543		
Coefficient of Determination (r^2)		0.999086		

LDC #: 4095696**Validation Findings Worksheet**
Initial Calibration Calculation VerificationPage: 5 of 5
Reviewer: 9
2nd Reviewer: JL

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
8/16/2018	M1	PFOA	0	0.50197	0.25	0.0625
			s1	0.4828162	0.5	0.25
			s2	1.1275737	1	1
			s3	2.3277525	2	4
			s4	5.14974	5	25
			s5	9.8391587	10	100
			s6	47.623148	50	2500
			s7	96.855097	100	10000
			s8	254.21066	250	62500
			s9	489.69713	500	250000

Regression Output	Calculated		Reported	
Constant	c	-0.66429	c	0.0700850
Std Err of Y Est				
R Squared		0.9998116		0.9995350
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.027185218	-9.00208E-05	0.992622	-1.55031E-05
Std Err of Coef.				
Correlation Coefficient		0.999906		
Coefficient of Determination (r^2)		0.999812		

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A_x = Area of compound,

C_x = Concentration of compound,

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported	Recalculated	Reported	Recalculated
					RRF (CC)	RRF (CC)	%D	%D
1	<u>18074H143</u>	<u>7/25/18</u>	<u>PFDA</u> (1st internal standard)	<u>10.0</u>	<u>10.4</u>	<u>10.4</u>	<u>4.1</u>	<u>4.1</u>
			<u>PFOS</u> (2nd internal standard)	<u>10.0</u>	<u>11.0</u>	<u>10.97</u>	<u>9.7</u>	<u>9.7</u>
			(3rd internal standard)					
2	<u>180616M142</u>	<u>8/17/18</u>	<u>PFDA</u> (1st internal standard)	<u>10.0</u>	<u>12.752</u>	<u>12.35</u>	<u>23.5</u>	<u>23.5</u>
			<u>PFOS</u> (2nd internal standard)					
			(3rd internal standard)					
3	<u>180816M-98</u>	<u>8/17/18</u>	<u>PFDA</u> (1st internal standard)	<u>10.0</u>	<u>10.6</u>	<u>10.62</u>	<u>6.0</u>	<u>6.2</u>
			(2nd internal standard)					
			(3rd internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Recovery} = 100 * (\text{SC}/\text{SA})$$

Where: SSC = Spike concentration
SA = Spike added

$$\text{RPD} = | \text{LCSC} - \text{LCSDC} | * 2 / (\text{LCSC} + \text{LCSDC})$$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: B890154-BS1

Compound	Spike Added (<u>MSL</u>)		Spike Concentration (<u>MS/L</u>)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
<u>PFOA</u>	<u>40.0</u>	<u>NA</u>	<u>38.9</u>	<u>NA</u>	<u>97.3</u>	<u>93.3</u>				
<u>PFOS</u>	<u>35.1</u>	<u>V</u>	<u>35.1</u>	<u>V</u>	<u>86.7</u>	<u>86.7</u>				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 42952096

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1
Reviewer: [Signature]
2nd reviewer: [Signature]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 2, FFA:

Geno. = ~~$\frac{194}{310}$~~ () () () ()

= see below

[illegible]

LDC #: 42952

EDD POPULATION COMPLETENESS WORKSHEET

Date: 8/23
Page: 1 of 1
2nd Reviewer: [Signature]The LDC job number listed above was entered by JE.
Entered from Body or Summary

	EDD Process		Comments/Action
I.	EDD Completeness	-	
Ia.	- All methods present?	Y	
Ib.	- All samples present/match report?	Y	
Ic.	- All reported analytes present?	Y	
Id.	- 10% or 100% verification of EDD?	Y	
II.	EDD Preparation/Entry	-	
IIa.	- Carryover U/J?	M	
IIb.	- Reason Codes used? If so, note which codes.	Y	
IIc.	- Additional Information (QC Level, Validator, Validated Y/N, etc.)	Y	
III.	Reasonableness Checks	-	
IIIa.	- Do all qualified ND results have ND qualifier (e.g. UJ)?	Y	
IIIb.	- Do all qualified detect results have detect qualifier (e.g. J)?	Y	
IIIc.	- If reason codes are used, do all qualified results have reason code field populated, and vice versa?	Y	
IIId.	- Does the detect flag require changing for blank qualifier? If so, are all U results marked ND?	+	
IIIe.	- Do blank concentrations in report match EDD where data was qualified due to blank contamination?	—	
IIIf.	- Were multiple results reported due to dilutions/reanalysis? If so, were results qualified appropriately?	WY	
IIIg.	- Are there any discrepancies between the data packet and the EDD?	N	

Notes: *see discrepancy sheet

