



**Groundwater Sample Results,  
Level 2 Laboratory Report, Level 4 Laboratory Report,  
Electronic Data Deliverable, Data Validation Report,  
and the Sample Location Report, SDG 1800356**

*Naval Air Station Whidbey Island  
Oak Harbor, Washington*

June 2019

March 21, 2018

**Vista Work Order No. 1800356**

Ms. Tiffany Hill  
CH2M Hill  
1100 NE Circle Blvd. Suite 300  
Corvallis, OR 97330

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 23, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'NAS WI-AULT FIELD'.

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:mmaier@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. 1800356**

### **Case Narrative**

#### **Sample Condition on Receipt:**

Two aqueous samples and four soil 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:**

##### **Modified EPA Method 537**

The aqueous samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

##### Holding Times

The samples were extracted and analyzed within the method hold times. The samples were re-extracted for PFDoA; the re-extractions were performed outside of the hold time.

##### Quality Control

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

A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the original preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The recovery of PFTeDA was 66.5% in the LCSD. The recoveries of all other analytes were within the acceptance criteria.

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

The results for PFDoA were taken from re-extractions of the samples.

The labeled standard recoveries were within the acceptance criteria.

##### **VAL-PFAS**

The soil samples were extracted and analyzed for a selected list of PFAS using VAL Method PFAS.

##### Holding Times

The samples were extracted and analyzed within the 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 labeled standard recoveries outside the acceptance criteria are listed in the table below.

#### QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800356-03	WI-AF-SB611-0H01-0218	VAL - PFAS	13C3-PFBS	H	47.6
1800356-03	WI-AF-SB611-0H01-0218	VAL - PFAS	18O2-PFHxS	H	49.2
B8B0151-BS1	B8B0151-BS1	VAL - PFAS	d3-MeFOSAA	H	47.8

H = Recovery was outside laboratory acceptance criteria.



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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
1800356-01	WI-AF-SB-FB-022018	20-Feb-18 10:50	23-Feb-18 09:35	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1800356-02	WI-AF-EB11-SO-0218	20-Feb-18 11:00	23-Feb-18 09:35	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1800356-03	WI-AF-SB611-OH01-0218	20-Feb-18 10:55	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-04	WI-AF-SB611-0103-0218	20-Feb-18 11:05	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-05	WI-AF-SB611P-0103-0218	20-Feb-18 11:10	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-06	WI-AF-SB611-1213-0218	20-Feb-18 14:15	23-Feb-18 09:35	HDPE Jar, 6 oz

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank** **Modified EPA Method 537**

<b>Client Data</b>				<b>Laboratory Data</b>			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8B0163-BLK1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHxA	ND	2.18	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHpA	ND	0.591	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHxS	ND	0.947	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFOA	ND	0.651	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFOS	ND	0.807	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFNA	ND	0.810	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFDA	ND	1.49	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
MeFOSAA	ND	1.65	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFOA	ND	1.05	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
EtFOSAA	ND	1.37	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFTrDA	ND	0.494	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFTeDA	ND	0.755	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.8	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFHxA	IS	87.1	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C4-PFHpA	IS	92.5	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
18O2-PFHxS	IS	92.3	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFOA	IS	94.8	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C8-PFOS	IS	95.3	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C5-PFNA	IS	69.7	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFDA	IS	68.0	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
d3-MeFOSAA	IS	82.4	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFOA	IS	76.2	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
d5-EtFOSAA	IS	69.2	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFDoA	IS	78.6	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFTeDA	IS	112	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

LCS/LCSD Results

Modified EPA Method 537

Matrix: Aqueous  
Sample Size: 0.125 L

QC Batch: B8B0163  
Date Extracted: 28-Feb-2018 11:10

Lab Sample: B8B0163-BS1/B8B0163-BSD1  
Date Analyzed: 08-Mar-18 10:11 Column: BEH C18  
08-Mar-18 10:22 Column: BEH C18

Analyte	LCS-%R	LCSD-%R	RPD	Labeled Standard	LCS-%R	LCSD-%R
PFBS	111	99.0	11.3	IS 13C3-PFBS	94.9	103
PFHxA	97.2	106	8.53	IS 13C2-PFHxA	90.6	88.6
PFHpA	105	99.6	4.87	IS 13C4-PFHpA	85.8	87.8
PFHxS	107	115	6.55	IS 18O2-PFHxS	84.3	91.9
PFOA	96.7	92.0	5.01	IS 13C2-PFOA	100	85.7
PFOS	99.0	93.8	5.40	IS 13C8-PFOS	96.1	88.9
PFNA	96.4	102	5.18	IS 13C5-PFNA	80.8	77.5
PFDA	108	118	8.79	IS 13C2-PFDA	71.6	59.1
MeFOSAA	79.8	99.9	22.3	IS d3-MeFOSAA	75.9	71.0
PFUnA	105	105	0.0890	IS 13C2-PFUnA	58.8	68.3
EtFOSAA	95.8	100	4.54	IS d5-EtFOSAA	66.0	75.4
PFTTrDA	119	97.1	20.6	IS 13C2-PFDoA	71.0	85.0
PFTeDA	97.0	66.5	37.4	IS 13C2-PFTeDA	84.5	117

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8C0111-BLK1	Column:	BEH C18				
Project:	NAS WI-AULT FIELD										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFD <sub>o</sub> A	ND	0.792	5.00	8.00		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:44	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C2-PFD <sub>o</sub> A	IS	67.3	50 - 150		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:44	1		

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

Sample ID: OPR				Modified EPA Method 537						
Client Data				Laboratory Data						
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8C0111-BS1	Column:	BEH C18			
Project:	NAS WI-AULT FIELD									
Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFD <sub>o</sub> A	79.8	80.0	99.7	70-130		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:33	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFD <sub>o</sub> A	IS		62.1	50- 150		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:33	1

**Sample ID: WI-AF-SB-FB-022018**

**Modified EPA Method 537**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1800356-01	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 10:50	Date Received:	23-Feb-18 09:35		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxA	ND	2.32	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHpA	ND	0.629	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxS	ND	1.01	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOA	ND	0.692	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOS	ND	0.858	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFNA	ND	0.861	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDA	ND	1.58	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
MeFOSAA	ND	1.75	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFUnA	ND	1.12	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
EtFOSAA	ND	1.46	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDoA	ND	0.902	5.68	9.11		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1
PFTrDA	ND	0.525	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFTeDA	ND	0.803	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	108	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFHxA	IS	89.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C4-PFHpA	IS	97.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
18O2-PFHxS	IS	89.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFOA	IS	91.1	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C8-PFOS	IS	81.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C5-PFNA	IS	71.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFDA	IS	73.4	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
d3-MeFOSAA	IS	76.3	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFUnA	IS	78.0	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
d5-EtFOSAA	IS	82.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFDoA	IS	58.4	50 - 150		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1
13C2-PFTeDA	IS	99.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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



**Sample ID: WI-AF-EB11-SO-0218**

**Modified EPA Method 537**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1800356-02	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:00	Date Received:	23-Feb-18 09:35		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.87	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHxA	ND	2.28	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHpA	ND	0.617	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHxS	ND	0.989	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFOA	ND	0.680	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFOS	ND	0.843	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFNA	ND	0.846	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFDA	ND	1.56	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
MeFOSAA	ND	1.72	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFUnA	ND	1.10	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
EtFOSAA	ND	1.43	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFDoA	ND	0.845	5.34	8.54		B8C0111	19-Mar-18	0.117 L	20-Mar-18 17:07	1
PFTrDA	ND	0.516	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFTeDA	ND	0.789	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFHxA	IS	95.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C4-PFHpA	IS	93.8	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
18O2-PFHxS	IS	92.1	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFOA	IS	95.8	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C8-PFOS	IS	102	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C5-PFNA	IS	86.9	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFDA	IS	76.7	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
d3-MeFOSAA	IS	70.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFUnA	IS	75.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
d5-EtFOSAA	IS	62.3	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFDoA	IS	73.4	50 - 150		B8C0111	19-Mar-18	0.117 L	20-Mar-18 17:07	1
13C2-PFTeDA	IS	122	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

**Sample ID: Method Blank** **VAL - PFAS**

<b>Client Data</b>				<b>Laboratory Data</b>			
Name:	CH2M Hill	Matrix:	Solid	Lab Sample:	B8B0151-BLK1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.363	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHxA	ND	0.203	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHpA	ND	0.205	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHxS	ND	0.310	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFOA	ND	0.236	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFOS	ND	0.845	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFNA	ND	0.178	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFDA	ND	0.256	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
MeFOSAA	ND	0.302	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFUnA	ND	0.354	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
EtFOSAA	ND	0.321	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFDoA	ND	0.276	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFTeDA	ND	0.122	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFTeDA	ND	0.198	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFHxA	IS	90.7	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C4-PFHpA	IS	89.6	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
18O2-PFHxS	IS	105	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFOA	IS	84.3	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C8-PFOS	IS	95.0	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C5-PFNA	IS	85.0	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFDA	IS	78.4	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
d3-MeFOSAA	IS	64.9	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFUnA	IS	84.2	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
d5-EtFOSAA	IS	69.3	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFDoA	IS	64.4	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFTeDA	IS	57.7	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: OPR**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Solid	Lab Sample:	B8B0151-BS1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	11.3	10.0	113	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHxA	12.5	10.0	125	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHpA	11.2	10.0	112	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHxS	10.9	10.0	109	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFOA	11.7	10.0	117	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFOS	9.69	10.0	96.9	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFNA	11.2	10.0	112	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFDA	11.7	10.0	117	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
MeFOSAA	11.1	10.0	111	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFUnA	12.2	10.0	122	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
EtFOSAA	11.8	10.0	118	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFDoA	12.6	10.0	126	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFTrDA	11.8	10.0	118	60-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFTeDA	12.0	10.0	120	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	106	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFHxA	IS	74.2	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C4-PFHpA	IS	82.8	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
18O2-PFHxS	IS	95.6	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFOA	IS	78.8	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C8-PFOS	IS	81.7	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C5-PFNA	IS	80.9	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFDA	IS	82.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
d3-MeFOSAA	IS	47.8	50- 150	H	B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFUnA	IS	61.7	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
d5-EtFOSAA	IS	60.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFDoA	IS	53.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFTeDA	IS	53.6	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1

**Sample ID: WI-AF-SB611-0H01-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-03	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 10:55	Date Received:	23-Feb-18 09:35		
				% Solids:	86.2		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.397	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxA	ND	0.222	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHpA	ND	0.224	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxS	ND	0.339	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOA	ND	0.258	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOS	ND	0.925	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFNA	ND	0.195	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDA	ND	0.280	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
MeFOSAA	ND	0.331	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFUnA	ND	0.388	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
EtFOSAA	ND	0.351	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDoA	ND	0.302	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTrDA	ND	0.134	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTeDA	ND	0.217	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	47.6	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFHxA	IS	60.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C4-PFHpA	IS	61.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
18O2-PFHxS	IS	49.2	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFOA	IS	68.4	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C8-PFOS	IS	72.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C5-PFNA	IS	67.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFDA	IS	63.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
d3-MeFOSAA	IS	59.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFUnA	IS	73.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
d5-EtFOSAA	IS	74.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFDoA	IS	79.8	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFTeDA	IS	75.0	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611-0103-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-04	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:05	Date Received:	23-Feb-18 09:35		
				% Solids:	94.0		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.361	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHxA	ND	0.202	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHpA	ND	0.204	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHxS	ND	0.308	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFOA	ND	0.235	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFOS	ND	0.841	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFNA	ND	0.177	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFDA	ND	0.255	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
MeFOSAA	ND	0.300	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFUnA	ND	0.352	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
EtFOSAA	ND	0.319	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFDoA	ND	0.275	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFTrDA	ND	0.121	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFTeDA	ND	0.197	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	104	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFHxA	IS	90.4	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C4-PFHpA	IS	91.0	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
18O2-PFHxS	IS	86.7	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFOA	IS	80.3	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C8-PFOS	IS	88.2	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C5-PFNA	IS	84.5	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFDA	IS	79.6	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
d3-MeFOSAA	IS	66.4	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFUnA	IS	70.1	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
d5-EtFOSAA	IS	78.7	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFDoA	IS	66.9	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFTeDA	IS	66.1	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611P-0103-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-05	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:10	Date Received:	23-Feb-18 09:35		
				% Solids:	93.6		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.334	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHxA	ND	0.187	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHpA	ND	0.189	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHxS	ND	0.286	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFOA	ND	0.217	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFOS	ND	0.778	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFNA	ND	0.164	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFDA	ND	0.236	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
MeFOSAA	ND	0.278	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFUnA	ND	0.326	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
EtFOSAA	ND	0.296	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFDoA	ND	0.254	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFTeDA	ND	0.112	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFTeDA	ND	0.182	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	103	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFHxA	IS	86.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C4-PFHpA	IS	87.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
18O2-PFHxS	IS	88.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFOA	IS	76.7	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C8-PFOS	IS	88.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C5-PFNA	IS	79.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFDA	IS	101	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
d3-MeFOSAA	IS	76.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFUnA	IS	78.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
d5-EtFOSAA	IS	87.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFDoA	IS	77.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFTeDA	IS	70.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611-1213-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-06	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 14:15	Date Received:	23-Feb-18 09:35		
				% Solids:	88.2		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.374	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxA	ND	0.209	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHpA	ND	0.211	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxS	ND	0.319	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOA	ND	0.243	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOS	ND	0.871	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFNA	ND	0.183	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDA	ND	0.264	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
MeFOSAA	ND	0.311	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFUnA	ND	0.365	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
EtFOSAA	ND	0.331	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDoA	ND	0.284	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTeDA	ND	0.126	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTeDA	ND	0.204	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFHxA	IS	95.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C4-PFHpA	IS	96.4	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
18O2-PFHxS	IS	94.7	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFOA	IS	86.6	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C8-PFOS	IS	96.3	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C5-PFNA	IS	95.4	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFDA	IS	84.5	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
d3-MeFOSAA	IS	82.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFUnA	IS	67.2	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
d5-EtFOSAA	IS	88.8	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFDoA	IS	76.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFTeDA	IS	72.8	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

## **DATA QUALIFIERS & ABBREVIATIONS**

<b>B</b>	<b>This compound was also detected in the method blank.</b>
<b>D</b>	<b>Dilution</b>
<b>E</b>	<b>The associated compound concentration exceeded the calibration range of the instrument.</b>
<b>H</b>	<b>Recovery and/or RPD was outside laboratory acceptance limits.</b>
<b>I</b>	<b>Chemical Interference</b>
<b>J</b>	<b>The amount detected is below the Reporting Limit/LOQ.</b>
<b>M</b>	<b>Estimated Maximum Possible Concentration. (CA Region 2 projects only)</b>
<b>*</b>	<b>See Cover Letter</b>
<b>Conc.</b>	<b>Concentration</b>
<b>NA</b>	<b>Not applicable</b>
<b>ND</b>	<b>Not Detected</b>
<b>TEQ</b>	<b>Toxic Equivalency</b>
<b>U</b>	<b>Not Detected (specific projects only)</b>

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



## CERTIFICATIONS

<b>Accrediting Authority</b>	<b>Certificate Number</b>
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 #: 1800356 Temp: 0.5 °C  
 Storage ID: WR-2 Storage Secured: Yes  No

Project ID: NAS WI - AULT FIELD PO#: \_\_\_\_\_ Sampler: MORGAN BRUNO  
 (name)

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

Invoice to: Name \_\_\_\_\_ Company CH2M Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Ph# \_\_\_\_\_ Fax# \_\_\_\_\_

Relinquished by (printed name and signature) \_\_\_\_\_ Date 2/21/18 Time 1400 Received by (printed name and signature) Marissa Sparks Date 02/23/18 Time 0930  
 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  
 Method of Shipment: FEDEX  
 Tracking No.: 7898 2670 8598

Add Analysis(es) Requested  
 Container(s)  
 Mod. EPA Method 537  
 EPA Method 537(DW only)

Sample ID	Date	Time	Location/Sample Description	Container(s)							Mod. EPA Method 537			EPA Method 537(DW only)			Comments	
				Quantity	Type	Matrix	PFDA/PFOS	UCMR3 PFAS List:6	537 List: 14	Full List of 28	Other, Please List Below	PFDA/PFOS	UCMR3 PFAS List:6	PFAS List: 14				
WI-AF-SB-FB-022018	2/24/18	1050		2	P	AQ				X								
WI-AF-EB11-SO-0218	2/24/18	1100		2	P	AQ				X								
WI-AF-SB11-0401-0218	2/24/18	1055		1	PS	SO				X								
WI-AF-SB11-0103-0218	2/24/18	1105		1	PS	SO				X								
WI-AF-SB11P-0103-0218	2/24/18	1110		1	PS	SO				X								
WI-AF-SB11-1213-0218	2/24/18	1415		1	PS	SO				X								

Special Instructions/Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SEND DOCUMENTATION AND RESULTS TO:**

Name: TIFFANY HILL  
 Company: CH2M  
 Address: 2800 1100 NE CIRCLE DR STE 300  
 City: CORNWALLIS State: OR Zip: 97330  
 Phone: 541-768-3109 Fax: \_\_\_\_\_  
 Email: TIFFANY.HILL@CH2M.COM

Container Types: P= HDPE, PJ= HDPE Jar      Bottle Preservation Type: T = Thiosulfate,      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:  
 O = Other: \_\_\_\_\_      TZ = Trizma: \_\_\_\_\_

Sample Log-in Checklist

Vista Work Order #: 1800356 TAT 10

Samples Arrival:	Date/Time 02/23/18 0935	Initials: WWS	Location: WR-2 Shelf/Rack: N/A				
Logged In:	Date/Time 02/23/18 1009	Initials: WWS	Location: WR-2 Shelf/Rack: F3				
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac	<input type="radio"/> GSO	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered	<input type="radio"/> Other
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice	<input type="radio"/> None			
Temp °C:	0.6 (uncorrected)	Time: 0937	Thermometer ID: IR-4				
Temp °C:	0.5 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

		YES	NO	NA		
Adequate Sample Volume Received?		✓				
Holding Time Acceptable?		✓				
Shipping Container(s) Intact?		✓				
Shipping Custody Seals Intact?		✓				
Shipping Documentation Present?		✓				
Airbill	Trk # 7898 2670 8598	✓				
Sample Container Intact?		✓				
Sample Custody Seals Intact?				✓		
Chain of Custody / Sample Documentation Present?		✓				
COC Anomaly/Sample Acceptance Form completed?			✓	✓		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				✓		
Preservation Documented:	<input type="radio"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	<input type="radio"/> Trizma	<input type="radio"/> None	Yes	No	<input checked="" type="radio"/> NA
Shipping Container	<input checked="" type="radio"/> Vista	<input type="radio"/> Client	<input checked="" type="radio"/> Retain	<input type="radio"/> Return	<input type="radio"/> Dispose	

Comments:

March 21, 2018

**Vista Work Order No. 1800356**

Ms. Tiffany Hill  
CH2M Hill  
1100 NE Circle Blvd. Suite 300  
Corvallis, OR 97330

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 23, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'NAS WI-AULT FIELD'.

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:mmaier@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. 1800356**

### **Case Narrative**

#### **Sample Condition on Receipt:**

Two aqueous samples and four soil 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:**

##### **Modified EPA Method 537**

The aqueous samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

##### Holding Times

The samples were extracted and analyzed within the method hold times. The samples were re-extracted for PFDoA; the re-extractions were performed outside of the hold time.

##### Quality Control

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

A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the original preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The recovery of PFTeDA was 66.5% in the LCSD. The recoveries of all other analytes were within the acceptance criteria.

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

The results for PFDoA were taken from re-extractions of the samples.

The labeled standard recoveries were within the acceptance criteria.

##### **VAL-PFAS**

The soil samples were extracted and analyzed for a selected list of PFAS using VAL Method PFAS.

##### Holding Times

The samples were extracted and analyzed within the 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 labeled standard recoveries outside the acceptance criteria are listed in the table below.

#### QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800356-03	WI-AF-SB611-0H01-0218	VAL - PFAS	13C3-PFBS	H	47.6
1800356-03	WI-AF-SB611-0H01-0218	VAL - PFAS	18O2-PFHxS	H	49.2
B8B0151-BS1	B8B0151-BS1	VAL - PFAS	d3-MeFOSAA	H	47.8

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
1800356-01	WI-AF-SB-FB-022018	20-Feb-18 10:50	23-Feb-18 09:35	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1800356-02	WI-AF-EB11-SO-0218	20-Feb-18 11:00	23-Feb-18 09:35	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1800356-03	WI-AF-SB611-0H01-0218	20-Feb-18 10:55	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-04	WI-AF-SB611-0103-0218	20-Feb-18 11:05	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-05	WI-AF-SB611P-0103-0218	20-Feb-18 11:10	23-Feb-18 09:35	HDPE Jar, 6 oz
1800356-06	WI-AF-SB611-1213-0218	20-Feb-18 14:15	23-Feb-18 09:35	HDPE Jar, 6 oz



## **ANALYTICAL RESULTS**

**Sample ID: Method Blank** **Modified EPA Method 537**

<b>Client Data</b>				<b>Laboratory Data</b>			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8B0163-BLK1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHxA	ND	2.18	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHpA	ND	0.591	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFHxS	ND	0.947	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFOA	ND	0.651	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFOS	ND	0.807	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFNA	ND	0.810	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFDA	ND	1.49	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
MeFOSAA	ND	1.65	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFUnA	ND	1.05	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
EtFOSAA	ND	1.37	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFTrDA	ND	0.494	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
PFTeDA	ND	0.755	5.00	8.00		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.8	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFHxA	IS	87.1	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C4-PFHpA	IS	92.5	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
18O2-PFHxS	IS	92.3	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFOA	IS	94.8	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C8-PFOS	IS	95.3	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C5-PFNA	IS	69.7	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFDA	IS	68.0	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
d3-MeFOSAA	IS	82.4	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFUnA	IS	76.2	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
d5-EtFOSAA	IS	69.2	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFDoA	IS	78.6	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1
13C2-PFTeDA	IS	112	50 - 150		B8B0163	28-Feb-18	0.125 L	08-Mar-18 10:34	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.

LOQ - Limit of quantitation

Results reported to the DL.

Only the linear isomer is reported for all other analytes.

LCS/LCSD Results

Modified EPA Method 537

Matrix: Aqueous  
Sample Size: 0.125 L

QC Batch: B8B0163  
Date Extracted: 28-Feb-2018 11:10

Lab Sample: B8B0163-BS1/B8B0163-BSD1  
Date Analyzed: 08-Mar-18 10:11 Column: BEH C18  
08-Mar-18 10:22 Column: BEH C18

Analyte	LCS-%R	LCSD-%R	RPD	Labeled Standard	LCS-%R	LCSD-%R
PFBS	111	99.0	11.3	IS 13C3-PFBS	94.9	103
PFHxA	97.2	106	8.53	IS 13C2-PFHxA	90.6	88.6
PFHpA	105	99.6	4.87	IS 13C4-PFHpA	85.8	87.8
PFHxS	107	115	6.55	IS 18O2-PFHxS	84.3	91.9
PFOA	96.7	92.0	5.01	IS 13C2-PFOA	100	85.7
PFOS	99.0	93.8	5.40	IS 13C8-PFOS	96.1	88.9
PFNA	96.4	102	5.18	IS 13C5-PFNA	80.8	77.5
PFDA	108	118	8.79	IS 13C2-PFDA	71.6	59.1
MeFOSAA	79.8	99.9	22.3	IS d3-MeFOSAA	75.9	71.0
PFUnA	105	105	0.0890	IS 13C2-PFUnA	58.8	68.3
EtFOSAA	95.8	100	4.54	IS d5-EtFOSAA	66.0	75.4
PFTTrDA	119	97.1	20.6	IS 13C2-PFDoA	71.0	85.0
PFTeDA	97.0	66.5	37.4	IS 13C2-PFTeDA	84.5	117

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8C0111-BLK1	Column:	BEH C18				
Project:	NAS WI-AULT FIELD										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFD <sub>o</sub> A	ND	0.792	5.00	8.00		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:44	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C2-PFD <sub>o</sub> A	IS	67.3	50 - 150		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:44	1		

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

Sample ID: OPR				Modified EPA Method 537						
Client Data				Laboratory Data						
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8C0111-BS1	Column:	BEH C18			
Project:	NAS WI-AULT FIELD									
Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFD <sub>o</sub> A	79.8	80.0	99.7	70-130		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:33	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFD <sub>o</sub> A	IS		62.1	50- 150		B8C0111	19-Mar-18	0.125 L	20-Mar-18 16:33	1

**Sample ID: WI-AF-SB-FB-022018**

**Modified EPA Method 537**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1800356-01	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 10:50	Date Received:	23-Feb-18 09:35		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxA	ND	2.32	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHpA	ND	0.629	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxS	ND	1.01	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOA	ND	0.692	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOS	ND	0.858	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFNA	ND	0.861	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDA	ND	1.58	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
MeFOSAA	ND	1.75	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOA	ND	1.12	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
EtFOSAA	ND	1.46	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDaA	ND	0.902	5.68	9.11		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1
PFTDA	ND	0.525	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFTeDA	ND	0.803	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	108	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFHxA	IS	89.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C4-PFHpA	IS	97.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
18O2-PFHxS	IS	89.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFOA	IS	91.1	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C8-PFOS	IS	81.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C5-PFNA	IS	71.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFDA	IS	73.4	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
d3-MeFOSAA	IS	76.3	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFOA	IS	78.0	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
d5-EtFOSAA	IS	82.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
13C2-PFDaA	IS	58.4	50 - 150		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1
13C2-PFTeDA	IS	99.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

**Sample ID: WI-AF-EB11-SO-0218**

**Modified EPA Method 537**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1800356-02	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:00	Date Received:	23-Feb-18 09:35		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.87	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHxA	ND	2.28	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHpA	ND	0.617	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFHxS	ND	0.989	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFOA	ND	0.680	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFOS	ND	0.843	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFNA	ND	0.846	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFDA	ND	1.56	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
MeFOSAA	ND	1.72	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFUnA	ND	1.10	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
EtFOSAA	ND	1.43	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFDoA	ND	0.845	5.34	8.54		B8C0111	19-Mar-18	0.117 L	20-Mar-18 17:07	1
PFTrDA	ND	0.516	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
PFTeDA	ND	0.789	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFHxA	IS	95.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C4-PFHpA	IS	93.8	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
18O2-PFHxS	IS	92.1	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFOA	IS	95.8	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C8-PFOS	IS	102	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C5-PFNA	IS	86.9	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFDA	IS	76.7	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
d3-MeFOSAA	IS	70.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFUnA	IS	75.5	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
d5-EtFOSAA	IS	62.3	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1
13C2-PFDoA	IS	73.4	50 - 150		B8C0111	19-Mar-18	0.117 L	20-Mar-18 17:07	1
13C2-PFTeDA	IS	122	50 - 150		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
Results reported to the DL.

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

**Sample ID: Method Blank** **VAL - PFAS**

<b>Client Data</b>				<b>Laboratory Data</b>			
Name:	CH2M Hill	Matrix:	Solid	Lab Sample:	B8B0151-BLK1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.363	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHxA	ND	0.203	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHpA	ND	0.205	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFHxS	ND	0.310	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFOA	ND	0.236	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFOS	ND	0.845	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFNA	ND	0.178	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFDA	ND	0.256	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
MeFOSAA	ND	0.302	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFUnA	ND	0.354	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
EtFOSAA	ND	0.321	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFDoA	ND	0.276	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFTrDA	ND	0.122	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
PFTeDA	ND	0.198	1.00	2.00		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFHxA	IS	90.7	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C4-PFHpA	IS	89.6	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
18O2-PFHxS	IS	105	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFOA	IS	84.3	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C8-PFOS	IS	95.0	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C5-PFNA	IS	85.0	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFDA	IS	78.4	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
d3-MeFOSAA	IS	64.9	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFUnA	IS	84.2	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
d5-EtFOSAA	IS	69.3	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFDoA	IS	64.4	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1
13C2-PFTeDA	IS	57.7	50 - 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 05:01	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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



**Sample ID: OPR**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Solid	Lab Sample:	B8B0151-BS1	Column:	BEH C18
Project:	NAS WI-AULT FIELD						

Analyte	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	11.3	10.0	113	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHxA	12.5	10.0	125	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHpA	11.2	10.0	112	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFHxS	10.9	10.0	109	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFOA	11.7	10.0	117	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFOS	9.69	10.0	96.9	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFNA	11.2	10.0	112	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFDA	11.7	10.0	117	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
MeFOSAA	11.1	10.0	111	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFUnA	12.2	10.0	122	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
EtFOSAA	11.8	10.0	118	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFDoA	12.6	10.0	126	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFTTrDA	11.8	10.0	118	60-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
PFTeDA	12.0	10.0	120	70-130		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	106	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFHxA	IS	74.2	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C4-PFHpA	IS	82.8	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
18O2-PFHxS	IS	95.6	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFOA	IS	78.8	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C8-PFOS	IS	81.7	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C5-PFNA	IS	80.9	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFDA	IS	82.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
d3-MeFOSAA	IS	47.8	50- 150	H	B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFUnA	IS	61.7	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
d5-EtFOSAA	IS	60.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFDoA	IS	53.1	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1
13C2-PFTeDA	IS	53.6	50- 150		B8B0151	27-Feb-18	1.00 g	08-Mar-18 04:49	1

**Sample ID: WI-AF-SB611-0H01-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-03	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 10:55	Date Received:	23-Feb-18 09:35		
				% Solids:	86.2		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.397	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxA	ND	0.222	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHpA	ND	0.224	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxS	ND	0.339	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOA	ND	0.258	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOS	ND	0.925	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFNA	ND	0.195	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDA	ND	0.280	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
MeFOSAA	ND	0.331	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFUnA	ND	0.388	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
EtFOSAA	ND	0.351	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDoA	ND	0.302	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTrDA	ND	0.134	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTeDA	ND	0.217	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	47.6	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFHxA	IS	60.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C4-PFHpA	IS	61.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
18O2-PFHxS	IS	49.2	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFOA	IS	68.4	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C8-PFOS	IS	72.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C5-PFNA	IS	67.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFDA	IS	63.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
d3-MeFOSAA	IS	59.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFUnA	IS	73.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
d5-EtFOSAA	IS	74.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFDoA	IS	79.8	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
13C2-PFTeDA	IS	75.0	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611-0103-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-04	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:05	Date Received:	23-Feb-18 09:35		
				% Solids:	94.0		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.361	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHxA	ND	0.202	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHpA	ND	0.204	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFHxS	ND	0.308	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFOA	ND	0.235	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFOS	ND	0.841	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFNA	ND	0.177	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFDA	ND	0.255	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
MeFOSAA	ND	0.300	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFUnA	ND	0.352	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
EtFOSAA	ND	0.319	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFDoA	ND	0.275	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFTrDA	ND	0.121	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
PFTeDA	ND	0.197	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	104	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFHxA	IS	90.4	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C4-PFHpA	IS	91.0	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
18O2-PFHxS	IS	86.7	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFOA	IS	80.3	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C8-PFOS	IS	88.2	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C5-PFNA	IS	84.5	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFDA	IS	79.6	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
d3-MeFOSAA	IS	66.4	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFUnA	IS	70.1	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
d5-EtFOSAA	IS	78.7	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFDoA	IS	66.9	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1
13C2-PFTeDA	IS	66.1	50 - 150		B8B0151	27-Feb-18	1.07 g	08-Mar-18 06:21	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611P-0103-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-05	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 11:10	Date Received:	23-Feb-18 09:35		
				% Solids:	93.6		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.334	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHxA	ND	0.187	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHpA	ND	0.189	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFHxS	ND	0.286	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFOA	ND	0.217	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFOS	ND	0.778	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFNA	ND	0.164	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFDA	ND	0.236	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
MeFOSAA	ND	0.278	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFUnA	ND	0.326	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
EtFOSAA	ND	0.296	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFDoA	ND	0.254	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFTrDA	ND	0.112	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
PFTeDA	ND	0.182	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	103	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFHxA	IS	86.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C4-PFHpA	IS	87.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
18O2-PFHxS	IS	88.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFOA	IS	76.7	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C8-PFOS	IS	88.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C5-PFNA	IS	79.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFDA	IS	101	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
d3-MeFOSAA	IS	76.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFUnA	IS	78.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
d5-EtFOSAA	IS	87.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFDoA	IS	77.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1
13C2-PFTeDA	IS	70.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

**Sample ID: WI-AF-SB611-1213-0218**

**VAL - PFAS**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Soil	Lab Sample:	1800356-06	Column:	BEH C18
Project:	NAS WI-AULT FIELD	Date Collected:	20-Feb-18 14:15	Date Received:	23-Feb-18 09:35		
				% Solids:	88.2		

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.374	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxA	ND	0.209	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHpA	ND	0.211	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxS	ND	0.319	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOA	ND	0.243	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOS	ND	0.871	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFNA	ND	0.183	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDA	ND	0.264	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
MeFOSAA	ND	0.311	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFUnA	ND	0.365	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
EtFOSAA	ND	0.331	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDoA	ND	0.284	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTeDA	ND	0.126	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTeDA	ND	0.204	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFHxA	IS	95.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C4-PFHpA	IS	96.4	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
18O2-PFHxS	IS	94.7	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFOA	IS	86.6	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C8-PFOS	IS	96.3	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C5-PFNA	IS	95.4	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFDA	IS	84.5	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
d3-MeFOSAA	IS	82.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFUnA	IS	67.2	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
d5-EtFOSAA	IS	88.8	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFDoA	IS	76.0	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
13C2-PFTeDA	IS	72.8	50 - 150		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1

DL - Detection Limit

LOD - Limit of Detection  
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the DL.

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

## **DATA QUALIFIERS & ABBREVIATIONS**

<b>B</b>	<b>This compound was also detected in the method blank.</b>
<b>D</b>	<b>Dilution</b>
<b>E</b>	<b>The associated compound concentration exceeded the calibration range of the instrument.</b>
<b>H</b>	<b>Recovery and/or RPD was outside laboratory acceptance limits.</b>
<b>I</b>	<b>Chemical Interference</b>
<b>J</b>	<b>The amount detected is below the Reporting Limit/LOQ.</b>
<b>M</b>	<b>Estimated Maximum Possible Concentration. (CA Region 2 projects only)</b>
<b>*</b>	<b>See Cover Letter</b>
<b>Conc.</b>	<b>Concentration</b>
<b>NA</b>	<b>Not applicable</b>
<b>ND</b>	<b>Not Detected</b>
<b>TEQ</b>	<b>Toxic Equivalency</b>
<b>U</b>	<b>Not Detected (specific projects only)</b>

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

## CERTIFICATIONS

<b>Accrediting Authority</b>	<b>Certificate Number</b>
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 #: 1800356 Temp: 0.5 °C  
Storage ID: WR-2 Storage Secured: Yes  No

Project ID: NAS WI - AULT FIELD PO#: \_\_\_\_\_ Sampler: MORGAN BRUNO  
(name)

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

Invoice to: Name \_\_\_\_\_ Company CH2M Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Ph# \_\_\_\_\_ Fax# \_\_\_\_\_

Relinquished by (printed name and signature) \_\_\_\_\_ Date 2/21/18 Time 1400 Received by (printed name and signature) Marissa Sparks Date 02/23/18 Time 0930  
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  
Method of Shipment: FEDEX  
Tracking No.: 7898 2670 8598

Add Analysis(es) Requested  
Container(s)  
Mod. EPA Method 537  
EPA Method 537(DW only)

Sample ID	Date	Time	Location/Sample Description	Add Analysis(es) Requested							Comments		
				Quantity	Type	Matrix	PFDA/ PFOS	UCMR3 PFAS List:6	537 List: 14	Full List of 28		Other, Please List Below	
WI-AF-SB-FB-022018	2/24/18	1050		2	P	AQ				X			
WI-AF-EB11-SO-0218	2/24/18	1100		2	P	AQ				X			
WI-AF-SB11-0401-0218	2/24/18	1055		1	PS	SO				X			
WI-AF-SB11-0103-0218	2/24/18	1105		1	PS	SO				X			
WI-AF-SB11P-0103-0218	2/24/18	1110		1	PS	SO				X			
WI-AF-SB11-1213-0218	2/24/18	1415		1	PS	SO				X			

Special Instructions/Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SEND DOCUMENTATION AND RESULTS TO:

Name: TIPPANY HILL  
Company: CH2M  
Address: 2800 1100 NE CIRCLE DR STE 300  
City: CORNWALLIS State: OR Zip: 97330  
Phone: 541-768-3109 Fax: \_\_\_\_\_  
Email: TIPPANY.HILL@CH2M.COM

Container Types: P= HDPE, PJ= HDPE Jar      Bottle Preservation Type: T = Thiosulfate,      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:  
O = Other: \_\_\_\_\_      TZ = Trizma: \_\_\_\_\_



Sample Log-in Checklist

Vista Work Order #: 1800356 TAT 10

Samples Arrival:	Date/Time 02/23/18 0935	Initials: WWS	Location: WR-2 Shelf/Rack: N/A
Logged In:	Date/Time 02/23/18 1009	Initials: WWS	Location: WR-2 Shelf/Rack: F3
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GSO	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.6 (uncorrected)	Time: 0937	Thermometer ID: IR-4	
Temp °C: 0.5 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

		YES	NO	NA
Adequate Sample Volume Received?		✓		
Holding Time Acceptable?		✓		
Shipping Container(s) Intact?		✓		
Shipping Custody Seals Intact?		✓		
Shipping Documentation Present?		✓		
Airbill	Trk # 7898 2670 8598	✓		
Sample Container Intact?		✓		
Sample Custody Seals Intact?				✓
Chain of Custody / Sample Documentation Present?		✓		
COC Anomaly/Sample Acceptance Form completed?			✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				✓
Preservation Documented:	<input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	<input type="checkbox"/> Trizma	<input type="checkbox"/> None	<input type="checkbox"/> Yes
	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA		
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain	<input type="checkbox"/> Return
	<input type="checkbox"/> Dispose			

Comments:

## **EXTRACTION INFORMATION**

Process Sheet  
 Workorder: **1800356**

**PRIORITY**

Prep Expiration: 2018-Mar-06  
 Client: CH2M Hill

Workorder Due: **05-Mar-18 00:00**

TAT: 10

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

Prep Batch: B8B0163

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

Prep Data Entered: 3.1.18 HC  
Date and Initials

Initial Sequence: SBC0017

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800356-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WI-AF-SB-FB-022018		WR-2 F-3	HDPE Bottle, 125 mL
1800356-02	J	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WI-AF-EB11-SO-0218		WR-2 F-3	HDPE Bottle, 125 mL

Pre-Prep Check Out: FR 2-27-18

Prep Check Out: FR 2-28-18

Prep Reconciled Initials/Date: FR 2-27-18

Pre-Prep Check In: HC 2-27-18

Prep Check In: NA

Spike Reconciled Initials/Date: KC 2/27/18

VialBoxID: Grim

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8B0163

Chemist: ATC  
 Prep Date/Time: 27-Feb-18 08/24  
 2-28-18 11:10  
 ATC

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>FR 2-27-18</u>				BalanceID: <u>HRMS-8</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
<input type="checkbox"/>	B8B0163-BLK1	5	2	0	2	NA	NA	(0.125)	ATC FR 2-28-18	FR 2-28-18	KC FR 2/28/18
<input type="checkbox"/>	B8B0163-BS1	5	2	0	2	↓	↓	(0.125)	↓	↓	↓
<input type="checkbox"/>	B8B0163-BSD1	5	2	0	2	↓	↓	(0.125)	↓	↓	↓
<input type="checkbox"/>	1800356-01	4	2	0	2	144.18	26.64	0.11754	↓	↓	↓
<input type="checkbox"/>	1800356-02	4	2	0	2	146.37	26.70	0.11967	↓	↓	↓
<input type="checkbox"/>	1800361-01	4	2	0	2	143.27	26.96	0.11631	↓	↓	↓
<input checked="" type="checkbox"/>	1800361-02	6	2	0	4	148.80	26.98	0.12182	↓	↓	↓
<input type="checkbox"/>	1800361-03	4	2	0	2	148.61	26.64	0.12192	↓	↓	↓
<input checked="" type="checkbox"/>	1800361-04	6	2	0	7	146.27	26.62	0.11965 0.11965 ATC 2-28-18	↓	↓	↓
<input type="checkbox"/>	1800361-05	4	2	0	2	147.91	26.95	0.12096	↓	↓	↓
<input type="checkbox"/>	1800361-06	6	2	0	3	147.92	26.62	0.12130	↓	↓	↓
<input checked="" type="checkbox"/>	1800361-07	6	2	0	4	147.45	26.61	0.12084	↓	↓	↓
<input type="checkbox"/>	1800361-08	4	2	0	2	144.54	26.76	0.11778	↓	↓	↓
<input type="checkbox"/>	1800361-09	6	2	0	3	147.23	26.60	0.12063	↓	↓	↓
<input type="checkbox"/>	1800361-10	4	2	0	2	148.17	26.73	0.12144	↓	↓	↓

IS: <u>18B2203, 10mL (V7)</u>	SPE Chem: <u>Strata-X-AW 33um 200mg/cmL</u>	Notes:
IS SUP: <u>NA</u>	Ele SOLV: <u>MeOH, 5% NH4OH in MeOH</u>	
NS: <u>18B2204, 10mL (V5)</u>	Final Volume(s) <u>1mL</u>	
RS: <u>18B2206, 10mL (V6)(V7)</u> <u>KC 2/28/18</u>		

Comments: Assume 1 g = 1 mL  
 Cen = Centrifuged

Batch: B8B0163

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800356-01	0.11754 ✓	NA	NA	1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800356-02	0.11967 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-01	0.11631 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-02	0.12182 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-03	0.12192 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-04	0.11965 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-05	0.12096 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-06	0.1213 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-07	0.12084 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-08	0.11778 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-09	0.12063 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
1800361-10	0.12144 ✓			1000	28-Feb-18 11:10	HAC			Aqueous	537M PFAS DOD (LOQ as
B8B0163-BLK1	0.125 ✓			1000	28-Feb-18 11:10	HAC				QC
B8B0163-BS1	0.125 ✓			1000	28-Feb-18 11:10	HAC	18B2204 ✓	10 ✓		QC
B8B0163-BSD1	0.125 ✓			1000	28-Feb-18 11:10	HAC	18B2204 ✓	10 ✓		QC

He  
3-1-18

Process Sheet  
Workorder: **1800356**

*PX.*  
*ASND*

Prep Expiration: 2018-Mar-06  
Client: CH2M Hill

Workorder Due: ~~05-Mar-18 00:00~~

TAT: 10

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

Prep Batch: B8C0111

Prep Data Entered: 03/20/18 MA  
Date and Initials

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

Initial Sequence: \_\_\_\_\_

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1800356-01	<i>B</i> <input checked="" type="checkbox"/>	WI-AF-SB-FB-022018	23-Feb-18 09:35	WR-2 F-3	
1800356-02	<i>↓</i> <input checked="" type="checkbox"/>	WI-AF-EB11-SO-0218	23-Feb-18 09:35	WR-2 F-3	

Sample check out MA 03/19/18

Vista PM: Martha Maier

Vial Box ID: The Shire

Sample Reconciled By: MA 3/19/18 / /

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8C0111

Chemist: HN

Prep Date/Time: 19-Mar-18 08:10  
15:05

Prepared using: LCMS - SPE Extraction-LCMS

HN 3/19/18

		Date/Initials: 03/19/18 MA				Balance ID: HRMS-8					
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
<input type="checkbox"/>	B8C0111-BLK1 (A)	5	2	0	3	NA	NA	(0.125)	HN DF 3/19/18	HN 3/19/18	HN AR 3/19/18
<input type="checkbox"/>	B8C0111-BS1	5	2	0	3	NA	NA	(0.125)			
<input type="checkbox"/>	B8C0111-MS1 1800505-04	7	2	0	7	143.28	26.70	0.11658			
<input type="checkbox"/>	B8C0111-MSD1 1800505-04	7	2	0	7	143.85	26.66	0.11719			
<input type="checkbox"/>	1800356-01RE1	5	2	0	2	136.47	26.69	0.10978			
<input type="checkbox"/>	1800356-02RE1	5	2	0	2	143.88	26.74	0.11714			
<input type="checkbox"/>	1800505-01	7	2	0	7	143.51	26.73	0.11678			
<input type="checkbox"/>	1800505-02	7	2	0	7	144.99	26.82	0.11817			
<input type="checkbox"/>	1800505-03	7	2	0	7	141.09	26.66	0.11443			
<input type="checkbox"/>	1800505-04	7	2	0	7	141.02	26.70	0.11432			
<input type="checkbox"/>	1800505-05	7	2	0	7	146.56	26.67	0.11989			
<input type="checkbox"/>	1800505-06	7	2	0	9	144.89	26.68	0.11821			
<input type="checkbox"/>	1800505-07	7	2	0	7	144.65	26.67	0.11798			
<input type="checkbox"/>	1800505-08	7	2	0	7	147.60	26.64	0.12096			
<input type="checkbox"/>	1800510-01	7	2	0	4	145.43	26.67	0.11876			
<input type="checkbox"/>	1800510-02	7	2	0	4	143.30	26.58	0.11672			

IS: 18B2203, 10 mL (V6)  
 IS SUP: N/A  
 NS: 18C1302, 10 mL (V5)  
 RS: 18B2206, 10 mL (V6)

SPE Chem: Strata-X-ALV 33µm <sup>20mg</sup> 6mL  
 Ele SOLV: MeOH/0.5% NH<sub>4</sub>OH in MeOH  
 Final Volume(s) 1 mL

Notes: (A) 0.625g Trizma added MA 03/19/18

Comments: Assume 1 g = 1 mL  
 Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8C0111

Chemist: HN

Prep Date/Time: 19-Mar-18 ~~08:10~~

15:05

HN 3/19/18

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>03/19/18 MA</u>				BalanceID: <u>HRMS-8</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
<input type="checkbox"/>	1800510-03	7	2	0	4	144.14	26.60	0.11754	HN DF 3/19/18	HN 3/19/18	HN AR 3/19/18
<input type="checkbox"/>	1800510-04	7	2	0	4	144.37	26.51	0.11786	↓	↓	↓
<input type="checkbox"/>	1800510-05	7	2	0	4	144.04	26.64	0.11740	↓	↓	↓
<input type="checkbox"/>	1800510-06	7	2	0	4	142.57	26.54	0.11603	↓	↓	↓

<p>IS: <u>18B 2203, 10 µL (V6)</u></p> <p>IS SUP: <u>N/A</u></p> <p>NS: <u>18C1302, 10 µL (V6)</u></p> <p>RS: <u>18B 2206, 10 µL (V6)</u></p>	<p>SPE Chem: <u>Strata-X-AW 33 µm <sup>200mg</sup> / mL</u></p> <p>Ele SOLV: <u>MeOH / 0.5% NH<sub>4</sub>OH in MeOH</u></p> <p>Final Volume(s) <u>1 mL</u></p>	<p>Notes:</p>
---	---	---------------

Comments: Assume 1 g = 1 mL

Cen = Centrifuged



LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800356-01RE1	0.10978 ✓	NA	NA	1000	19-Mar-18 15:05	HN			Aqueous	537M PFAS DOD (LOQ as
1800356-02RE1	0.11714 ✓			1000	19-Mar-18 15:05	HN			Aqueous	537M PFAS DOD (LOQ as
1800505-01	0.11678 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-02	0.11817 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-03	0.11443 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-04	0.11432 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-05	0.11989 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-06	0.11821 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-07	0.11798 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800505-08	0.12096 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-01	0.11876 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-02	0.11672 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-03	0.11754 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-04	0.11786 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-05	0.1174 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
1800510-06	0.11603 ✓			1000	19-Mar-18 15:05	HN			Potable Water	537M PFAS DOD (LOQ as
B8C0111-BLK1	0.125 ✓			1000	19-Mar-18 15:05	HN				QC
B8C0111-BS1	0.125 ✓			1000	19-Mar-18 15:05	HN	18C1302 ✓	10 ✓		QC
B8C0111-MS1	0.11658 ✓			1000	19-Mar-18 15:05	HN	18C1302 ✓	10 ✓		QC
B8C0111-MSD1	0.11719 ✓			1000	19-Mar-18 15:05	HN	18C1302 ✓	10 ✓		QC

✓ MA 03/20/18

# PRIORITY

Process Sheet

Workorder: **1800356**

Prep Expiration: 2018-Apr-21

Client: CH2M Hill

Workorder Due: **05-Mar-18 00:00**

TAT: 10

Method: **VAL - PFAS DoD (LOQ as RL)**  
Matrix: **Solid**

Prep Batch: BBB 0151

Also run: **Percent Solids**  
Version: 537 (14 Analyte)  
DoD: **DoD QSM 5.1**

Prep Data Entered: 3-1-18 HC  
Date and Initials

Initial Sequence: \_\_\_\_\_

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800356-03	A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WI-AF-SB611-0H01-0218		WR-2 F-3	HDPE Jar, 6 oz
1800356-04	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WI-AF-SB611-0103-0218		WR-2 F-3	HDPE Jar, 6 oz
1800356-05	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WI-AF-SB611P-0103-0218		WR-2 F-3	HDPE Jar, 6 oz
1800356-06	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WI-AF-SB611-1213-0218		WR-2 F-3	HDPE Jar, 6 oz

Pre-Prep Check Out: HN 2/27/18

Pre-Prep Check In: HN 2/27/18

Prep Check Out: MA

Prep Check In: MA

Prep Reconciled Initials/Date: HN 2/27/18

Spike Reconciled Initials/Date: MA

VialBoxID: Grim

PREPARATION BENCH SHEET

Matrix: Solid

B8B0151

Chemist: KC  
 Prep Date/Time: ~~26-Feb-18 07:28~~  
27 16:30  
KC 2/27/18

Method: VAL - PFAS DoD (LOQ as RL)

Prepared using: LCMS - Sonication/SPE Extraction

VISTA Sample ID	BalanceID: <u>HRMS-8</u> Sample Amt. (g)	IS/NS CHEM/WIT DATE	Pre-Ext	Extraction	SPE	RS CHEM/WIT DATE
B8B0151-BLK1	(1.00)	<u>KC HN 2/27/18</u>	<u>HN 2/27/18</u>	<u>HC KC 2-28-18</u>	<u>KC 2/28/18</u>	<u>KC HN 2/28/18</u>
B8B0151-BS1	(1.00)					
B8B0151-MS1 1800346-03	<u>HN 2/27/18</u> <u>1.29</u> 1.10					
B8B0151-MSD1 1800346-03	<u>HN 2/27/18</u> <u>1.30</u> 1.09					
1800346-03	<u>HN 2/27/18</u> <u>1.27</u> 1.08					
1800346-04	1.33					
1800346-05	1.20					
1800356-03	1.06					
1800356-04	1.07					
1800356-05	1.16					
1800356-06	1.10					

IS: <u>17L2001, 10uL</u> IS SUP: <u>NA</u> NS: <u>17L2103, 10uL (V3)</u> RS: <u>17L2318B2206, 10uL (V7)</u> <u>17L2332, 10uL KC 2/28/18</u>	Ext SOLV: <u>1:1 MeOH/ACN</u> SPE Chem: <u>Strata-X-AW 33um 200mg 1cmL</u> Ele SOLV: <u>MeOH/.5% NH4OH in MeOH</u> Final Volume(s) <u>1mL</u>	Notes:
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Batch: B8B0151

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800346-03	1.08 ✓	87.07224	0.9404	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800346-04	1.33 ✓	78.32512	1.0417	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800346-05	1.2 ✓	79.0909	0.9491	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800356-03	1.06 ✓	86.17512	0.9135	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800356-04	1.07 ✓	93.95161	1.0053	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800356-05	1.16 ✓	93.5849	1.0856	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
1800356-06	1.1 ✓	88.21292	0.9703	1000	27-Feb-18 16:30	KC			Soil	VAL - PFAS DoD (LOQ as
B8B0151-BLK1	1 ✓			1000	27-Feb-18 16:30	KC				QC
B8B0151-BS1	1 ✓			1000	27-Feb-18 16:30	KC	17L2103 ✓	10		QC
B8B0151-MS1	1.1 ✓	87.07224	0.9578	1000	27-Feb-18 16:30	KC	17L2103 ✓	10		QC
B8B0151-MSD1	1.09 ✓	87.07224	0.9491	1000	27-Feb-18 16:30	KC	17L2103 ✓	10		QC

AK  
3-1-18





**SAMPLE DATA – MODIFIED EPA METHOD 537**

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time

Printed: Friday, March 16, 2018 13:32:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.57e3	0.1250		2.98				
2	5 PFHxA	313.2 > 268.9		4.30e3	0.1250		3.48				
3	7 PFHpA	363.0 > 318.9		1.14e4	0.1250		4.10				
4	8 L-PFHxS	398.9 > 79.6		1.24e3	0.1250		4.24				
5	11 L-PFOA	413 > 368.7		1.48e4	0.1250		4.45				
6	14 PFNA	463.0 > 418.8		1.21e4	0.1250		5.04				
7	16 L-PFOS	499 > 79.9		3.66e3	0.1250		4.84				
8	18 PFDA	513 > 468.8		1.19e4	0.1250		5.40				
9	21 N-MeFOSAA	570.1 > 419		5.87e3	0.1250		5.55				
10	22 N-EtFOSAA	584.2 > 419		5.32e3	0.1250		5.70				
11	23 PFUdA	563.0 > 518.9		1.34e4	0.1250		5.72				



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time

Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	27 PFTrDA	662.9 > 618.9		1.09e4	0.1250		6.22				
2	28 PFTeDA	712.9 > 668.8		9.61e3	0.1250		6.41				
3	36 13C3-PFBS	302. > 98.8	1.57e3	1.66e4	0.1250	0.101	2.98	2.69	1.18	93.793	93.8
4	37 13C2-PFHxA	315 > 269.8	4.30e3	1.66e4	0.1250	0.744	3.48	3.19	3.24	34.832	87.1
5	38 13C4-PFHpA	367.2 > 321.8	1.14e4	1.66e4	0.1250	0.740	4.10	3.80	8.56	92.545	92.5
6	39 18O2-PFHxS	403.0 > 102.6	1.24e3	3.16e3	0.1250	0.424	4.24	3.95	4.89	92.294	92.3
7	40 13C2-6:2 FTS	429.1 > 408.9	3.19e3	1.39e4	0.1250	0.254	4.56	4.27	2.88	90.837	90.8
8	41 13C2-PFOA	414.9 > 369.7	1.48e4	1.39e4	0.1250	1.129	4.61	4.32	13.4	94.765	94.8
9	42 13C5-PFNA	468.2 > 422.9	1.21e4	1.72e4	0.1250	1.006	5.04	4.76	8.77	69.722	69.7
10	43 13C8-PFOSA	506.1 > 77.7	1.67e3	1.67e4	0.1250	0.182	5.09	4.84	1.25	54.806	54.8
11	44 13C8-PFOS	507.0 > 79.9	3.66e3	3.67e3	0.1250	1.049	5.11	4.84	12.5	95.293	95.3
12	45 13C2-PFDA	515.1 > 469.9	1.19e4	1.62e4	0.1250	1.082	5.40	5.13	9.20	68.011	68.0
13	46 13C2-8:2 FTS	529.1 > 508.7	1.89e3	1.66e4	0.1250	0.161	5.38	5.11	1.42	70.755	70.8
14	47 d3-N-MeFOSAA	573.3 > 419	5.87e3	1.67e4	0.1250	0.426	5.55	5.28	4.39	82.414	82.4
15	48 d5-N-EtFOSAA	589.3 > 419	5.32e3	1.67e4	0.1250	0.459	5.70	5.44	3.98	69.247	69.2
16	49 13C2-PFUdA	565 > 519.8	1.34e4	1.67e4	0.1250	1.051	5.72	5.46	10.0	76.241	76.2
17	50 13C2-PFDoA	615.0 > 569.7	1.09e4	1.67e4	0.1250	0.827	5.99	5.74	8.13	78.608	78.6
18	51 d3-N-MeFOSA	515.2 > 168.9		1.67e4	0.1250	0.107	5.93				
19	52 13C2-PFTeDA	714.8 > 669.6	9.61e3	1.67e4	0.1250	0.514	6.41	6.21	7.18	111.739	111.7
20	53 d5-N-ETFOSA	531.1 > 168.9		1.67e4	0.1250	0.152	6.25				
21	54 13C2-PFHxDA	815 > 769.7	8.32e3	1.67e4	0.1250	1.185	6.69	6.55	6.21	41.946	104.9
22	55 d7-N-MeFOSE	623.1 > 58.9		1.67e4	0.1250	0.122	6.31				
23	56 d9-N-EtFOSE	639.2 > 58.8		1.67e4	0.1250	0.109	6.45				
24	57 13C4-PFBA	217. > 171.8	1.04e4	1.04e4	0.1250	1.000	1.73	1.45	12.5	100.000	100.0
25	58 13C5-PFHxA	318 > 272.9	1.66e4	1.66e4	0.1250	1.000	3.48	3.19	12.5	100.000	100.0
26	59 13C3-PFHxS	401.9 > 79.9	3.16e3	3.16e3	0.1250	1.000	4.24	3.95	12.5	100.000	100.0
27	60 13C8-PFOA	421.3 > 376	1.39e4	1.39e4	0.1250	1.000	4.61	4.33	12.5	100.000	100.0
28	61 13C9-PFNA	472.2 > 426.9	1.72e4	1.72e4	0.1250	1.000	4.70	4.76	12.5	100.000	100.0
29	62 13C4-PFOS	503 > 79.9	3.67e3	3.67e3	0.1250	1.000	5.11	4.84	12.5	100.000	100.0
30	63 13C6-PFDA	519.1 > 473.7	1.62e4	1.62e4	0.1250	1.000	5.40	5.13	12.5	100.000	100.0
31	64 13C7-PFUdA	570.1 > 524.8	1.67e4	1.67e4	0.1250	1.000	5.72	5.46	12.5	100.000	100.0
32	65 Total PFHxS	398.9 > 79.6	0.00e0	1.24e3	0.1250		4.24		0.000		

AD 3/16/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time

Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total PFOA	413 > 368.7	0.00e0	1.48e4	0.1250		4.61		0.000		
34	67 Total PFOS	499 > 79.9	0.00e0	3.66e3	0.1250		5.11		0.000		
35	68 Total N-MeFOSAA	570.1 > 419	0.00e0	5.87e3	0.1250		5.55		0.000		
36	69 Total N-EtFOSAA	584.2 > 419	0.00e0	5.32e3	0.1250		5.70		0.000		

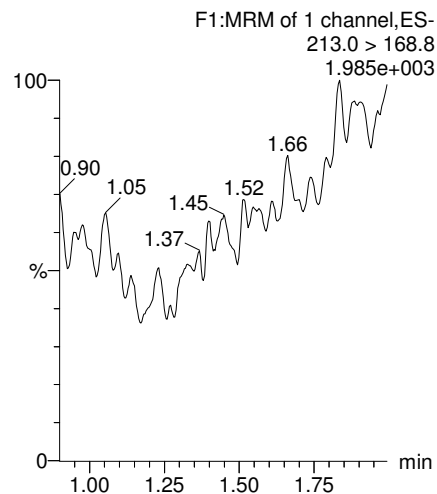
Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time  
Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

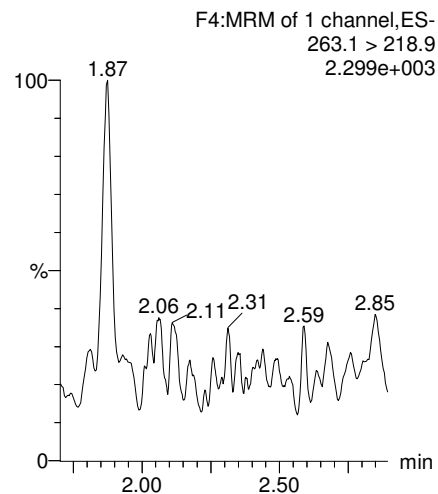
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10  
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

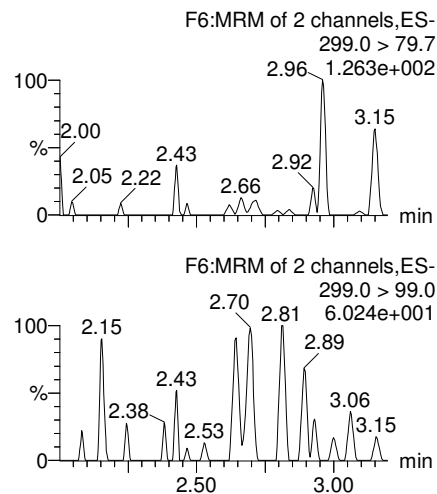
**PFBA**



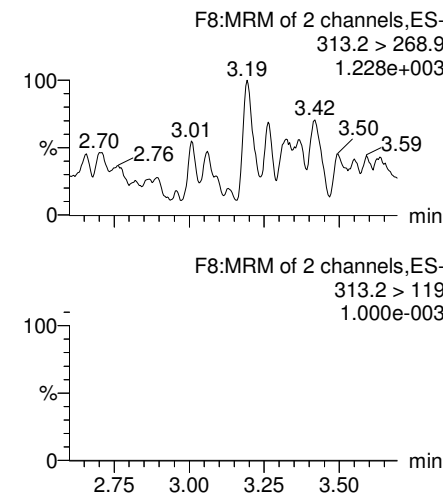
**PFPeA**



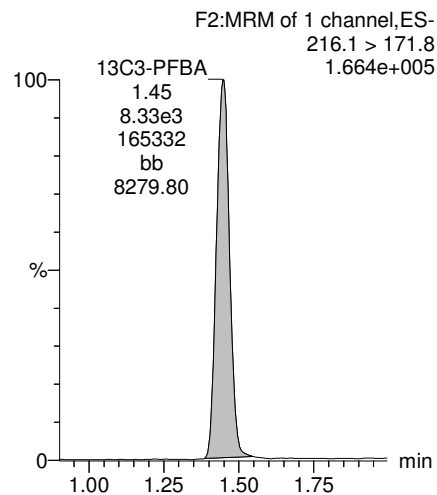
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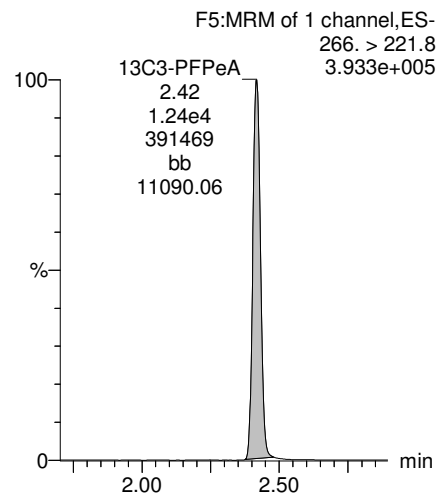
**PFHxA**



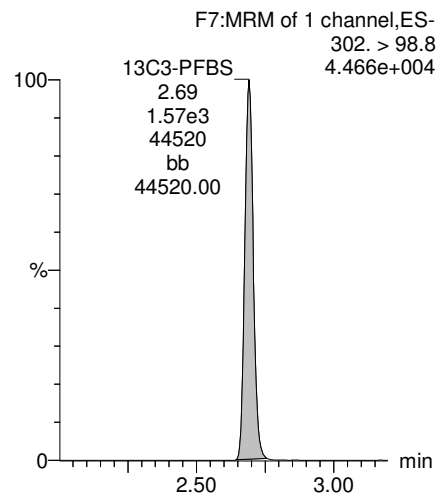
**13C3-PFBA**



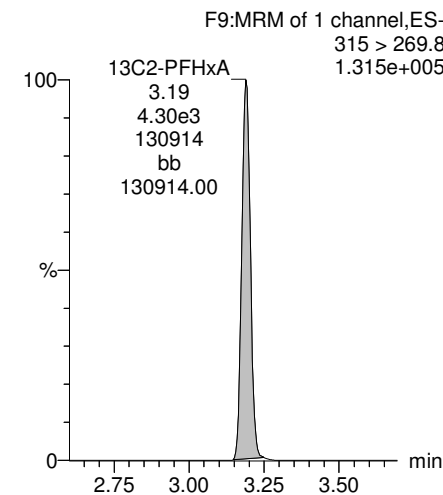
**13C3-PFPeA**



**13C3-PFBS**



**13C2-PFHxA**

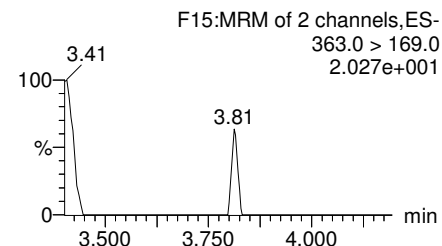
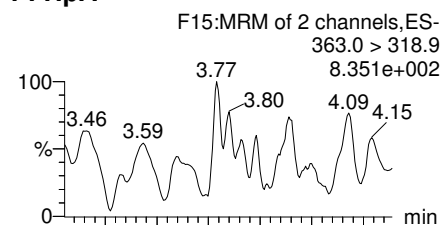


Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

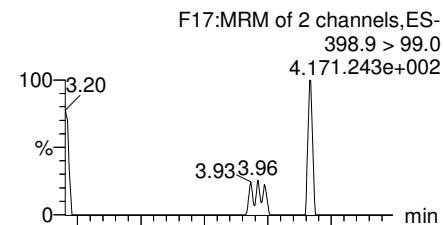
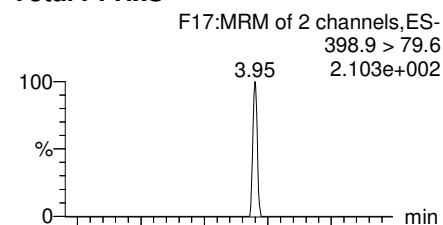
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Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

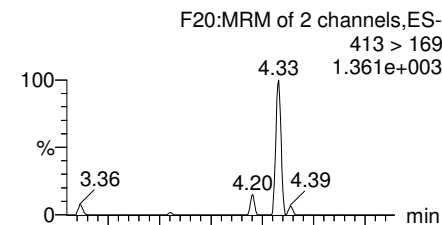
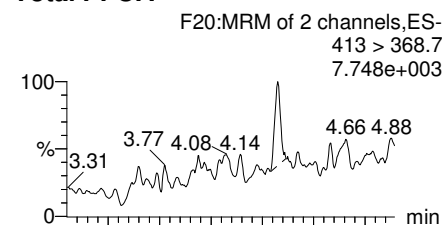
**PFHpA**



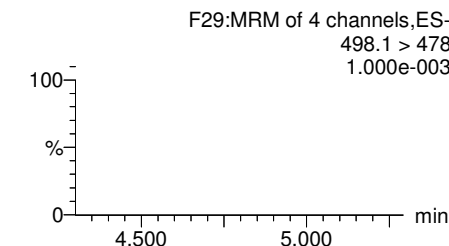
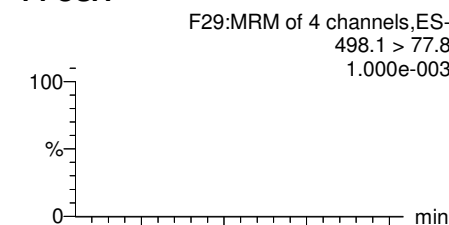
**Total PFHxS**



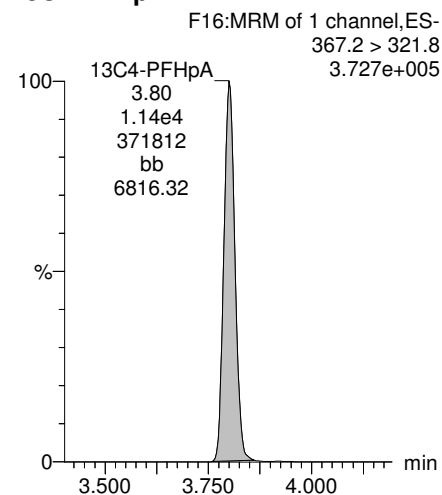
**Total PFOA**



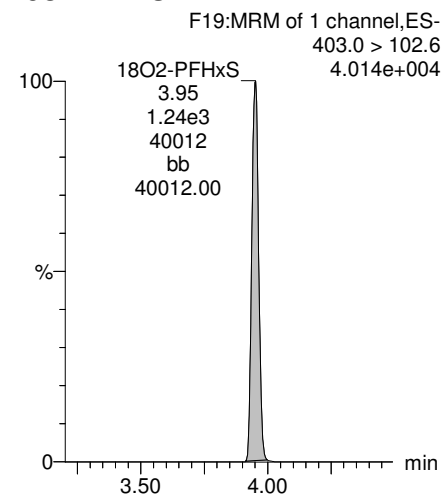
**PFOSA**



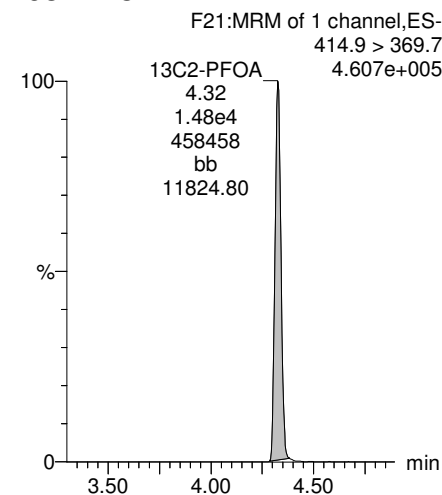
**13C4-PFHpA**



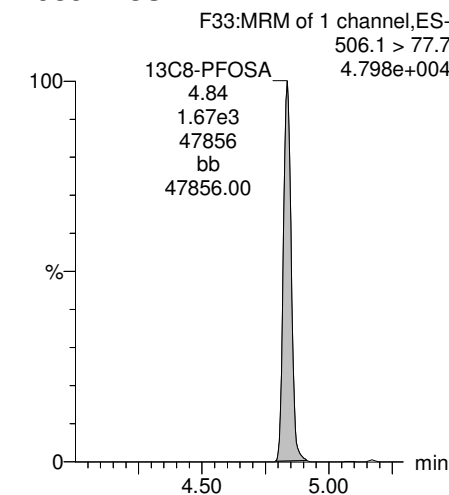
**18O2-PFHxS**



**13C2-PFOA**



**13C8-PFOA**

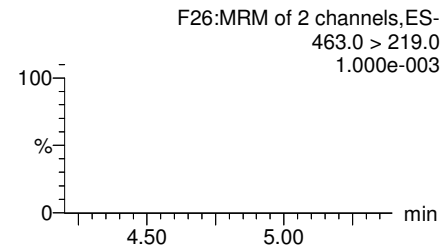
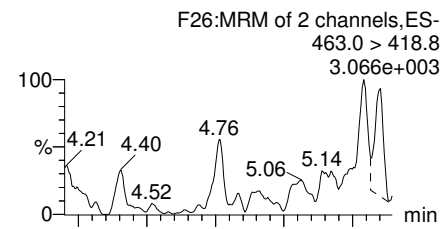


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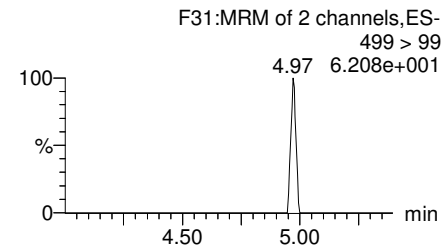
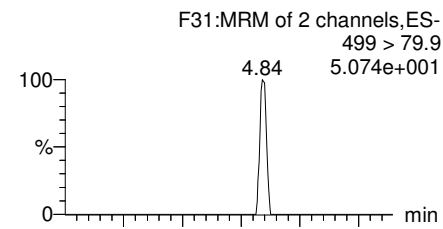
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Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

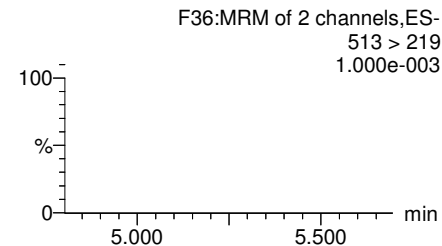
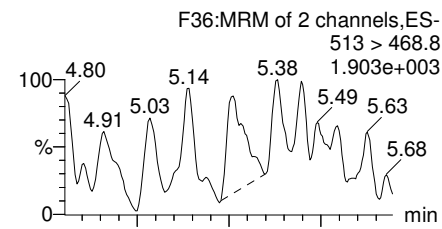
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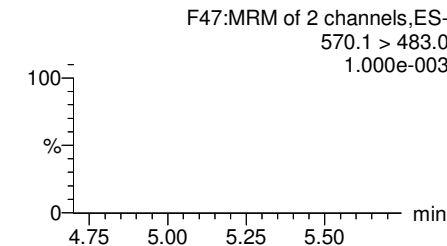
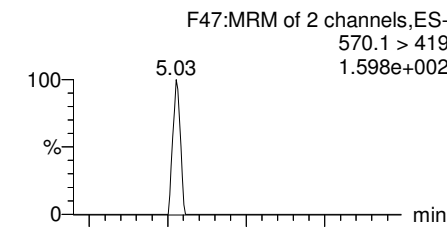
**Total PFOS**



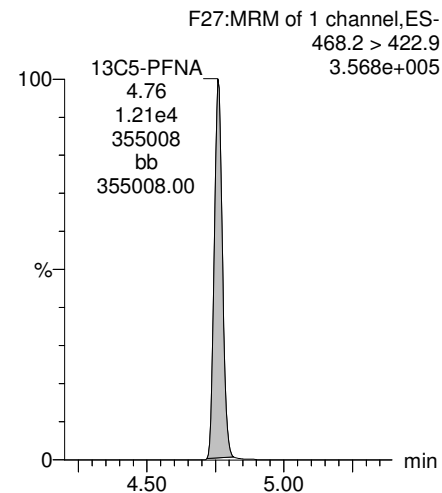
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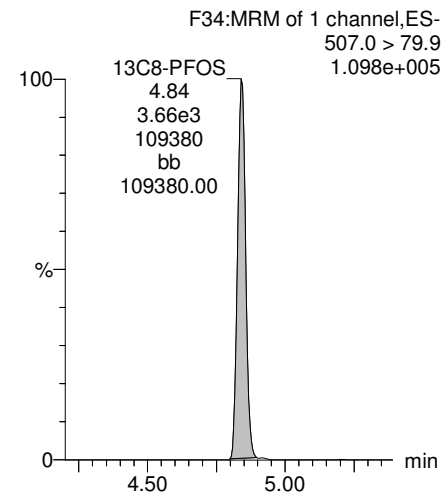
**N-MeFOSAA**



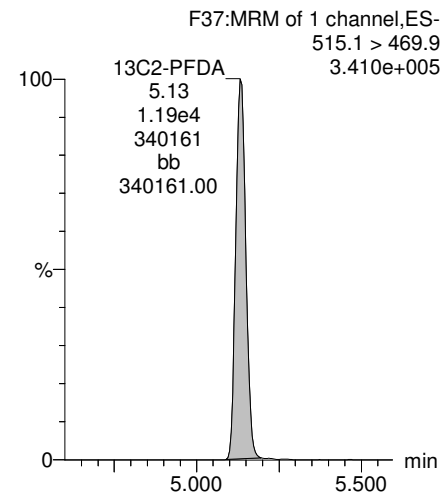
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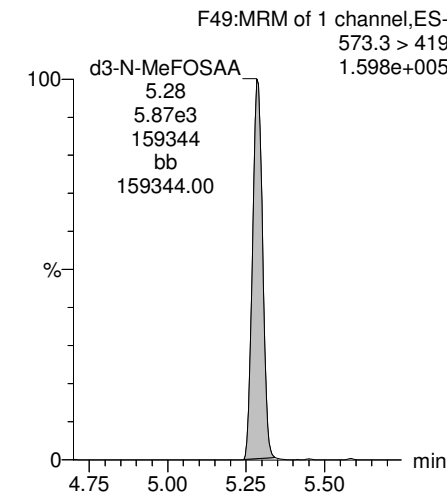
**13C8-PFOS**



**13C2-PFDA**



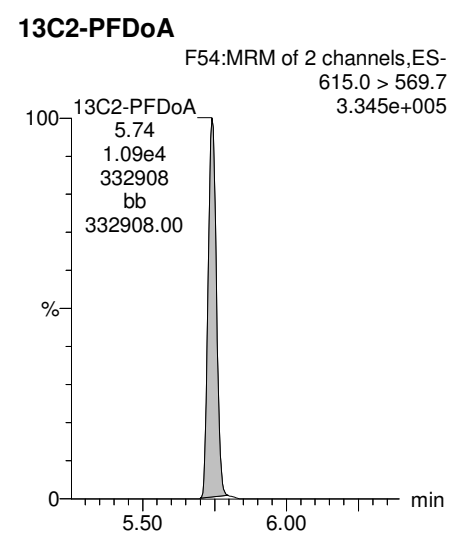
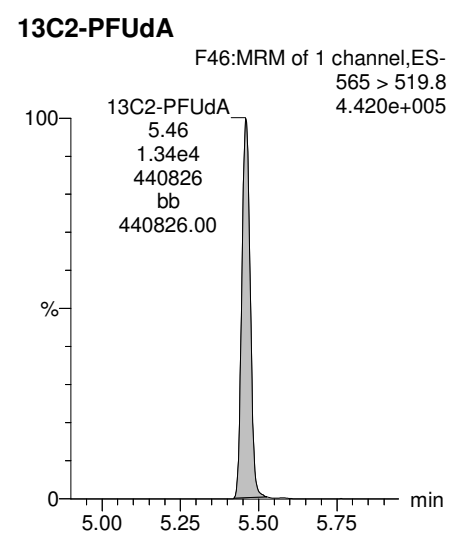
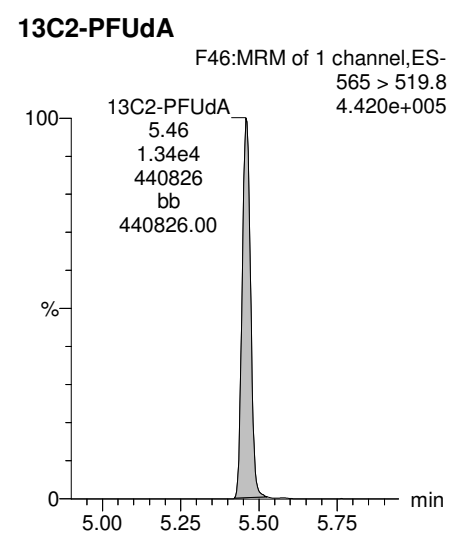
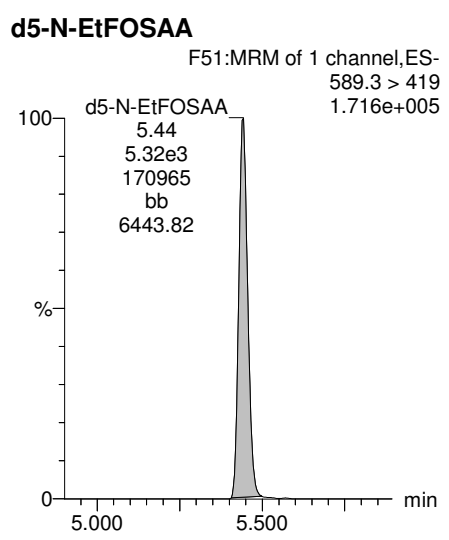
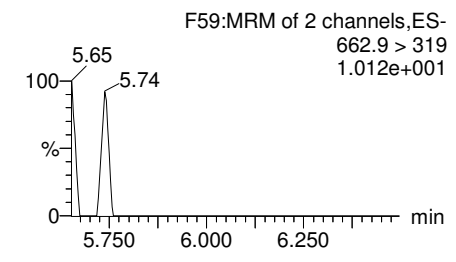
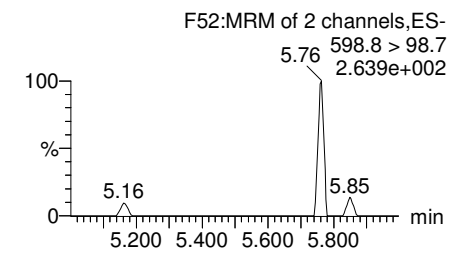
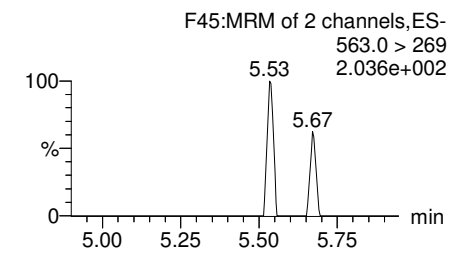
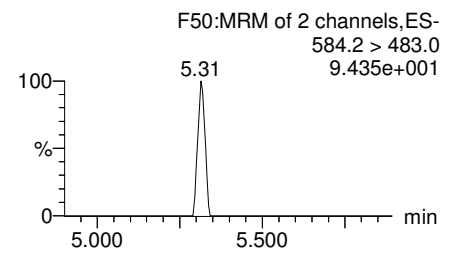
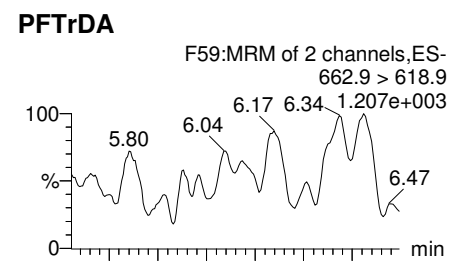
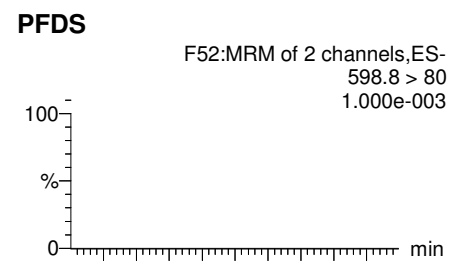
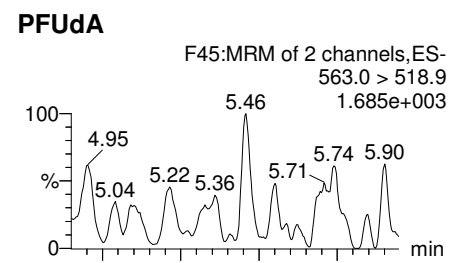
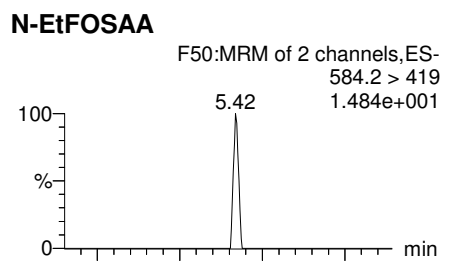
**d3-N-MeFOSAA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time  
Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

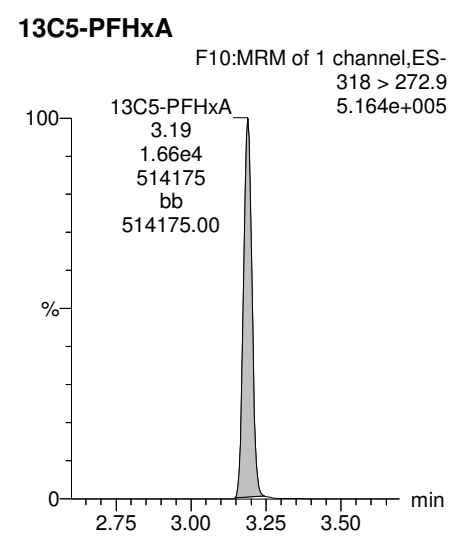
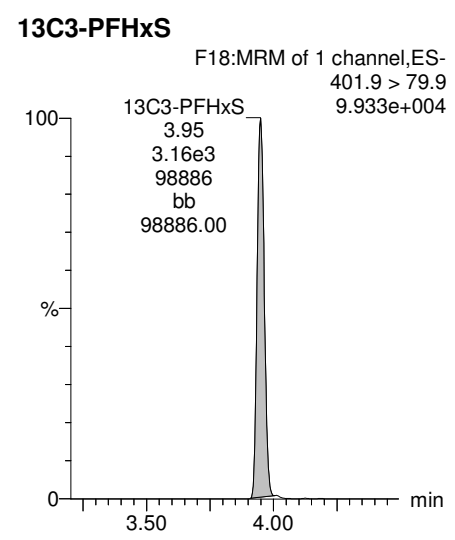
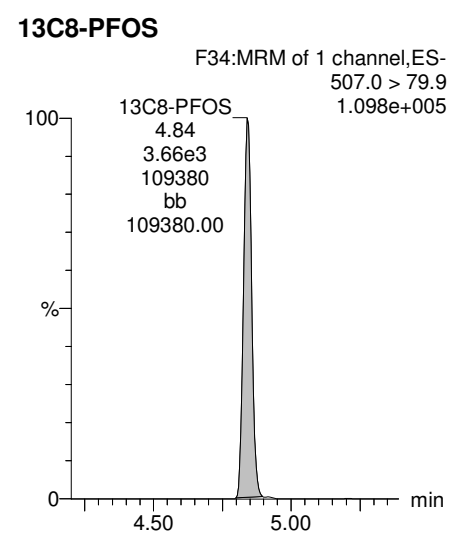
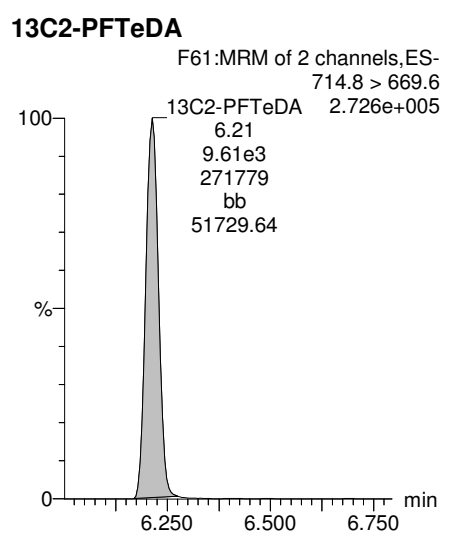
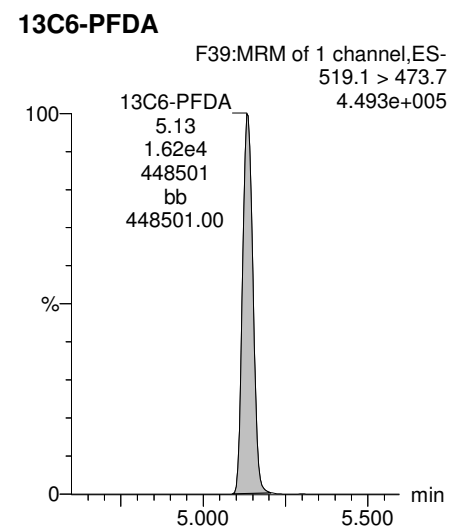
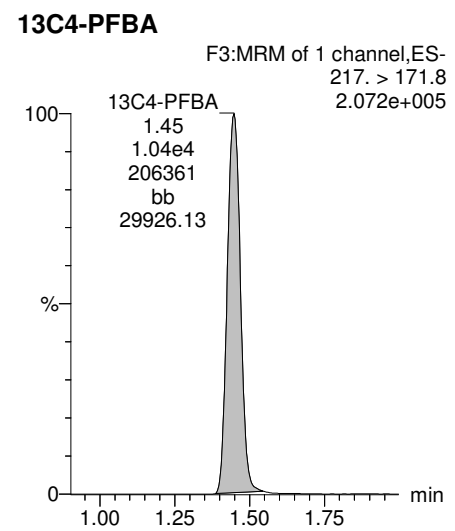
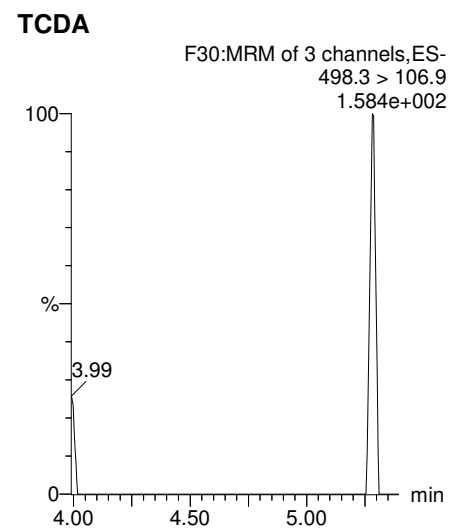
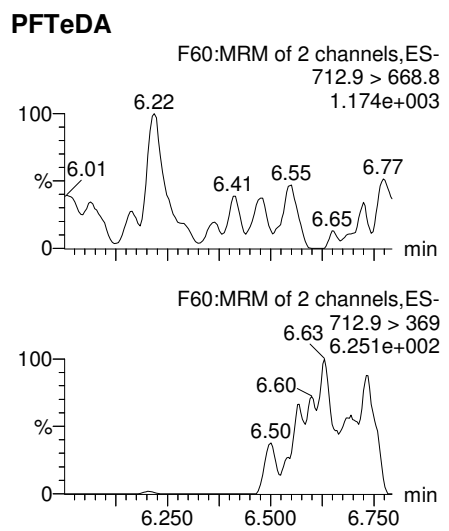
Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-17.qld

Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time  
Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank

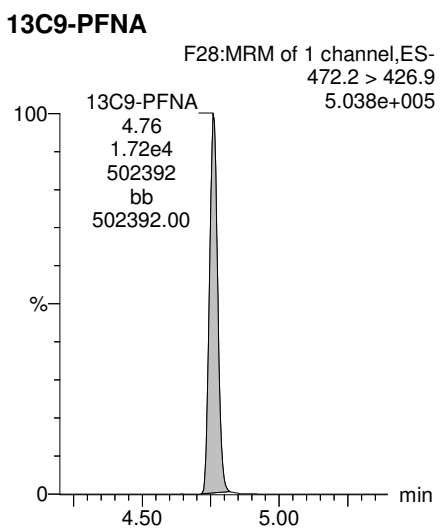
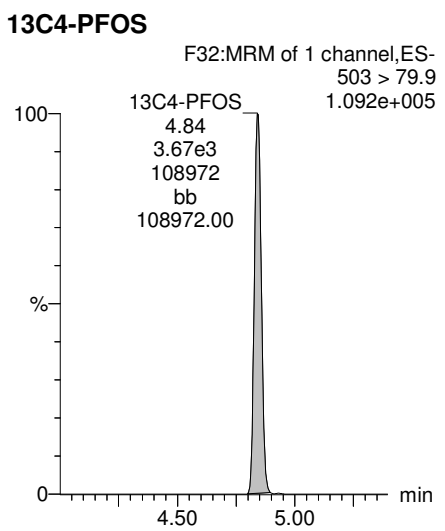
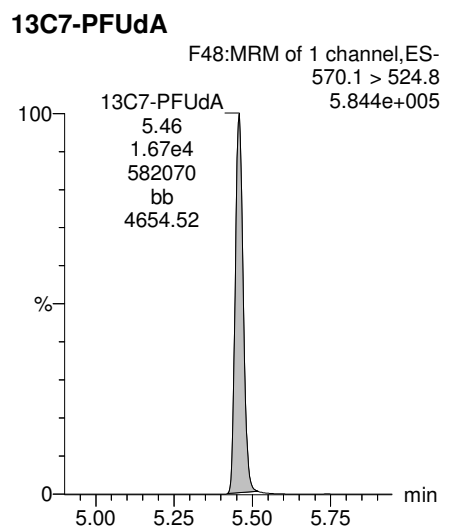


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Last Altered: Friday, March 16, 2018 13:28:50 Pacific Daylight Time

Printed: Friday, March 16, 2018 13:31:53 Pacific Daylight Time

Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank





Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

Last Altered: Thursday, March 15, 2018 14:12:30 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:29:28 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7	2.28e3	1.43e3	0.125		2.98	2.69	19.9	88.7125	110.9
2	5 PFHxA	313.2 > 268.9	1.08e4	4.03e3	0.125		3.48	3.19	13.4	77.7892	97.2
3	7 PFHpA	363.0 > 318.9	1.01e4	9.49e3	0.125		4.10	3.80	13.4	83.6597	104.6
4	8 L-PFHxS	398.9 > 79.6	1.54e3	9.98e2	0.125		4.24	3.95	19.2	85.8901	107.4
5	11 L-PFOA	413 > 368.7	1.14e4	1.40e4	0.125		4.45	4.32	10.1	77.3662	96.7
6	14 PFNA	463.0 > 418.8	1.20e4	1.27e4	0.125		5.04	4.76	11.8	77.1430	96.4
7	16 L-PFOS	499 > 79.9	2.43e3	2.96e3	0.125		4.84	4.84	10.3	79.1779	99.0
8	18 PFDA	513 > 468.8	1.09e4	1.24e4	0.125		5.40	5.13	11.0	86.5305	108.2
9	21 N-MeFOSAA	570.1 > 419	5.62e3	5.65e3	0.125		5.55	5.28	12.4	63.8769	79.8
10	22 N-EtFOSAA	584.2 > 419	4.65e3	5.30e3	0.125		5.70	5.44	11.0	76.6458	95.8
11	23 PFUdA	563.0 > 518.9	9.16e3	1.08e4	0.125		5.72	5.45	10.6	83.9593	104.9

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

Last Altered: Thursday, March 15, 2018 14:12:30 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	27 PFTrDA	662.9 > 618.9	1.20e4	1.03e4	0.125		6.22	5.99	14.6	95.5369	119.4
2	28 PFTeDA	712.9 > 668.8	1.06e4	7.60e3	0.125		6.41	6.21	17.4	77.6159	97.0
3	36 13C3-PFBS	302. > 98.8	1.43e3	1.49e4	0.125	0.101	2.98	2.69	1.20	94.8880	94.9
4	37 13C2-PFHxA	315 > 269.8	4.03e3	1.49e4	0.125	0.744	3.48	3.18	3.37	36.2463	90.6
5	38 13C4-PFHpA	367.2 > 321.8	9.49e3	1.49e4	0.125	0.740	4.10	3.80	7.94	85.7688	85.8
6	39 18O2-PFHxS	403.0 > 102.6	9.98e2	2.79e3	0.125	0.424	4.24	3.95	4.47	84.3079	84.3
7	40 13C2-6:2 FTS	429.1 > 408.9	3.52e3	1.24e4	0.125	0.254	4.56	4.26	3.55	111.9055	111.9
8	41 13C2-PFOA	414.9 > 369.7	1.40e4	1.24e4	0.125	1.129	4.61	4.32	14.1	100.2402	100.2
9	42 13C5-PFNA	468.2 > 422.9	1.27e4	1.56e4	0.125	1.006	5.04	4.76	10.2	80.8218	80.8
10	43 13C8-PFOSA	506.1 > 77.7	1.35e3	1.75e4	0.125	0.182	5.09	4.83	0.962	42.3468	42.3
11	44 13C8-PFOS	507.0 > 79.9	2.96e3	2.93e3	0.125	1.049	5.11	4.84	12.6	96.1412	96.1
12	45 13C2-PFDA	515.1 > 469.9	1.24e4	1.60e4	0.125	1.082	5.40	5.13	9.68	71.5715	71.6
13	46 13C2-8:2 FTS	529.1 > 508.7	2.36e3	1.49e4	0.125	0.161	5.38	5.10	1.98	98.3387	98.3
14	47 d3-N-MeFOSAA	573.3 > 419	5.65e3	1.75e4	0.125	0.426	5.55	5.28	4.04	75.8642	75.9
15	48 d5-N-EtFOSAA	589.3 > 419	5.30e3	1.75e4	0.125	0.459	5.70	5.44	3.79	65.9852	66.0
16	49 13C2-PFUdA	565 > 519.8	1.08e4	1.75e4	0.125	1.051	5.72	5.45	7.72	58.7841	58.8
17	50 13C2-PFDoA	615.0 > 569.7	1.03e4	1.75e4	0.125	0.827	5.99	5.74	7.34	71.0472	71.0
18	51 d3-N-MeFOSA	515.2 > 168.9		1.75e4	0.125	0.107	5.93				
19	52 13C2-PFTeDA	714.8 > 669.6	7.60e3	1.75e4	0.125	0.514	6.41	6.21	5.43	84.5422	84.5
20	53 d5-N-ETFOSA	531.1 > 168.9		1.75e4	0.125	0.152	6.25				
21	54 13C2-PFHxDA	815 > 769.7	6.21e3	1.75e4	0.125	1.185	6.69	6.55	4.44	29.9888	75.0
22	55 d7-N-MeFOSE	623.1 > 58.9		1.75e4	0.125	0.122	6.31				
23	56 d9-N-EtFOSE	639.2 > 58.8		1.75e4	0.125	0.109	6.45				
24	57 13C4-PFBA	217. > 171.8	9.13e3	9.13e3	0.125	1.000	1.73	1.45	12.5	100.0000	100.0
25	58 13C5-PFHxA	318 > 272.9	1.49e4	1.49e4	0.125	1.000	3.48	3.18	12.5	100.0000	100.0
26	59 13C3-PFHxS	401.9 > 79.9	2.79e3	2.79e3	0.125	1.000	4.24	3.95	12.5	100.0000	100.0
27	60 13C8-PFOA	421.3 > 376	1.24e4	1.24e4	0.125	1.000	4.61	4.32	12.5	100.0000	100.0
28	61 13C9-PFNA	472.2 > 426.9	1.56e4	1.56e4	0.125	1.000	4.70	4.75	12.5	100.0000	100.0
29	62 13C4-PFOS	503 > 79.9	2.93e3	2.93e3	0.125	1.000	5.11	4.84	12.5	100.0000	100.0
30	63 13C6-PFDA	519.1 > 473.7	1.60e4	1.60e4	0.125	1.000	5.40	5.13	12.5	100.0000	100.0
31	64 13C7-PFUdA	570.1 > 524.8	1.75e4	1.75e4	0.125	1.000	5.72	5.46	12.5	100.0000	100.0
32	65 Total PFHxS	398.9 > 79.6	1.54e3	9.98e2	0.125		4.24		19.2	85.8901	

AD 3/15/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

Last Altered: Thursday, March 15, 2018 14:12:30 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total PFOA	413 > 368.7	1.14e4	1.40e4	0.125		4.61		10.1	77.3662	
34	67 Total PFOS	499 > 79.9	2.43e3	2.96e3	0.125		5.11		10.3	79.1779	
35	68 Total N-MeFOSAA	570.1 > 419	5.62e3	5.65e3	0.125		5.55		12.4	63.8769	
36	69 Total N-EtFOSAA	584.2 > 419	4.65e3	5.30e3	0.125		5.70		11.0	76.6458	

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

Last Altered: Thursday, March 15, 2018 14:12:30 Pacific Daylight Time

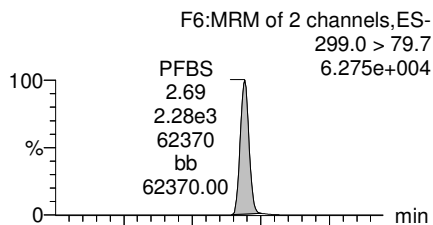
Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

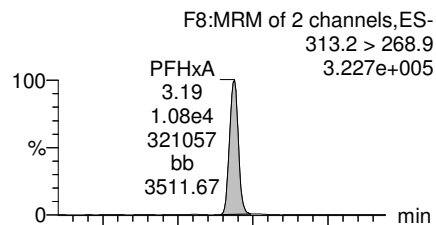
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

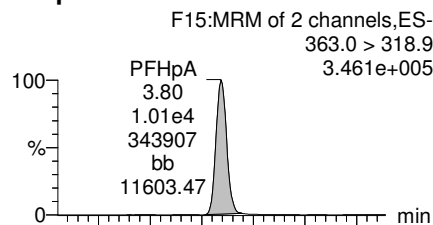
**PFBS**



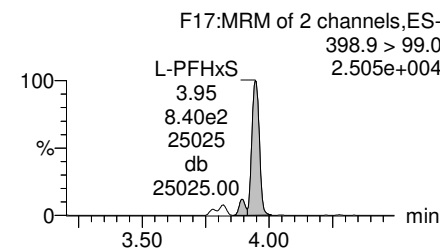
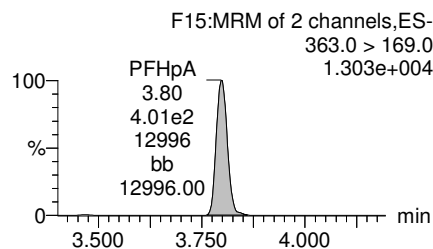
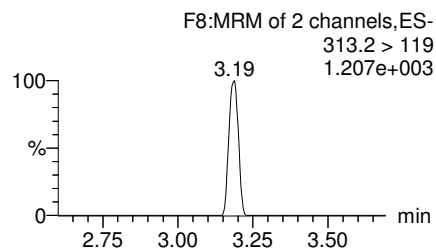
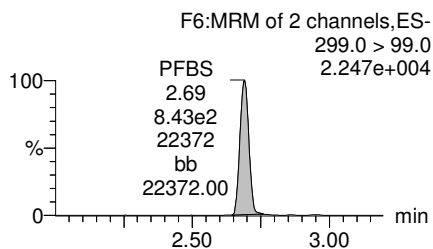
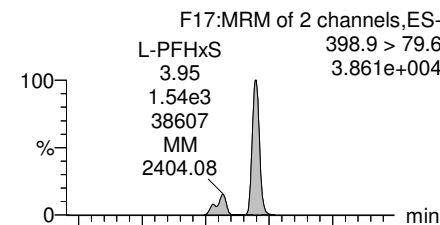
**PFHxA**



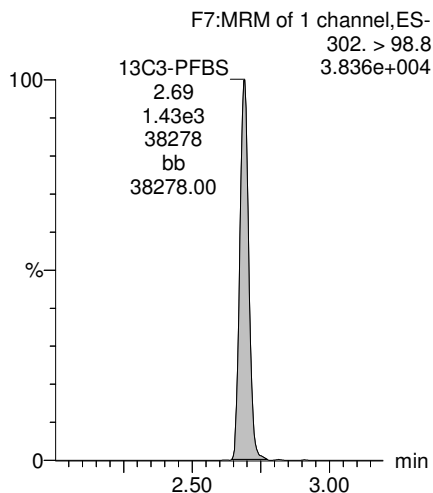
**PFHpA**



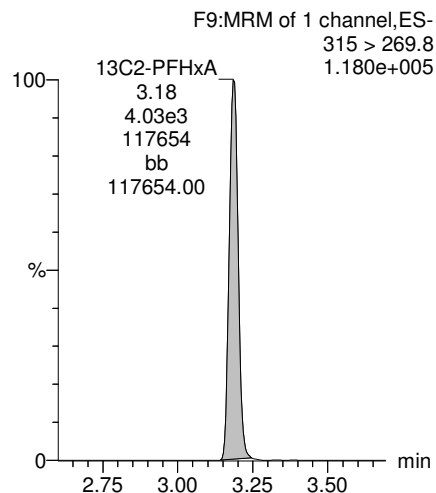
**Total PFHxS**



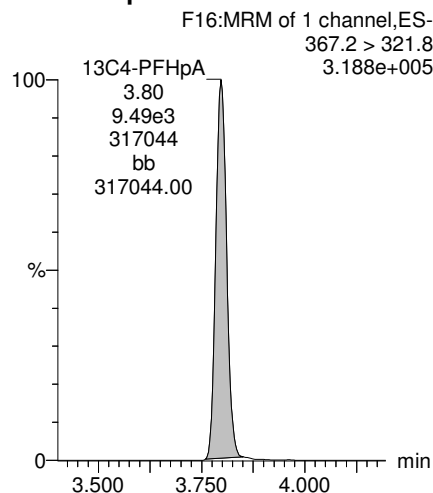
**13C3-PFBS**



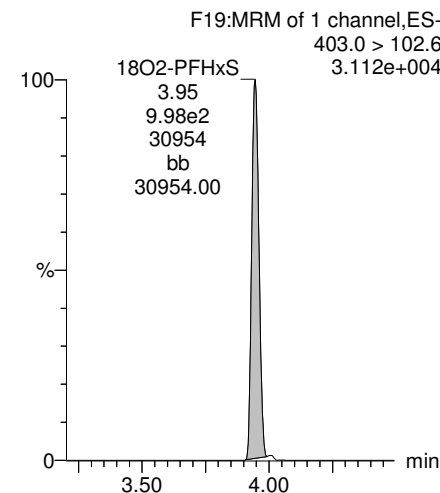
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

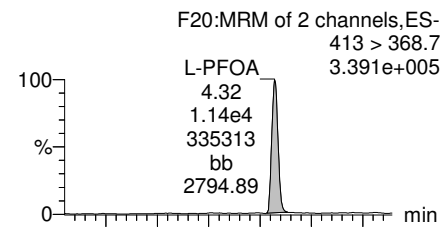


Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

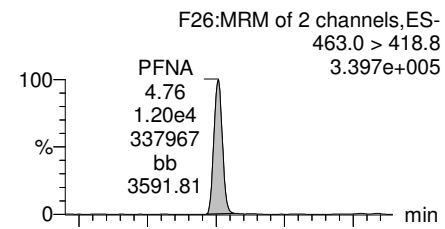
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Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

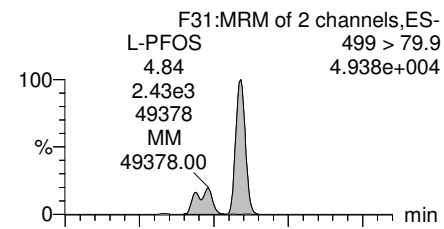
**Total PFOA**



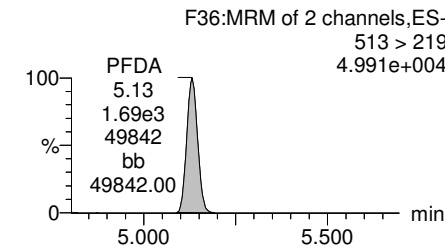
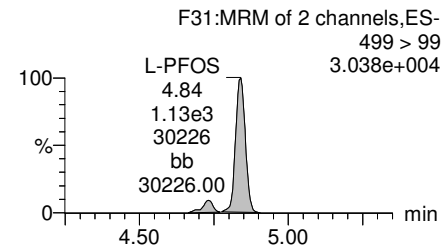
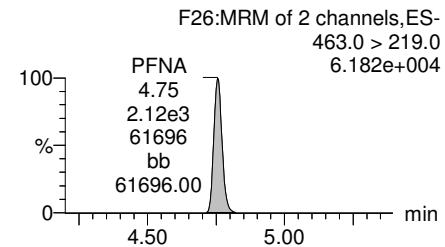
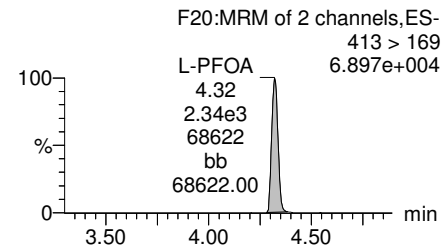
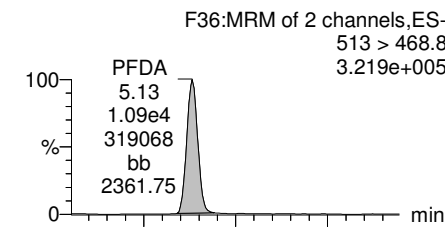
**PFNA**



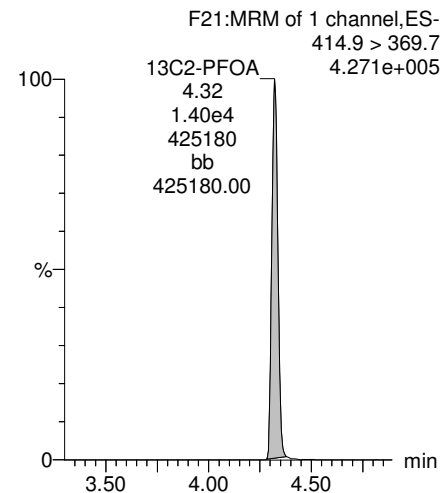
**Total PFOS**



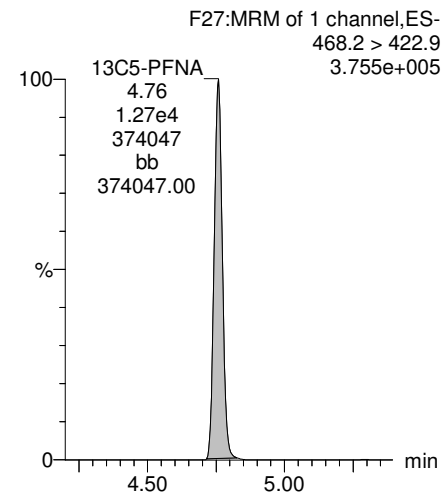
**PFDA**



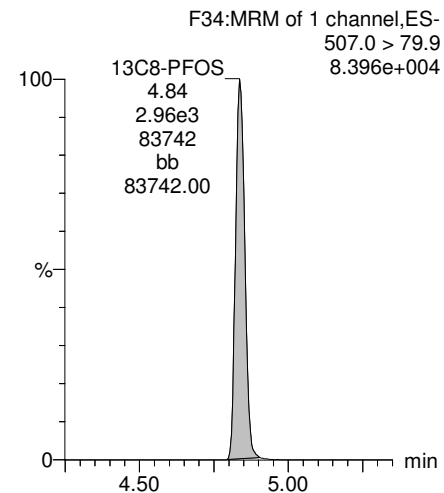
**13C2-PFOA**



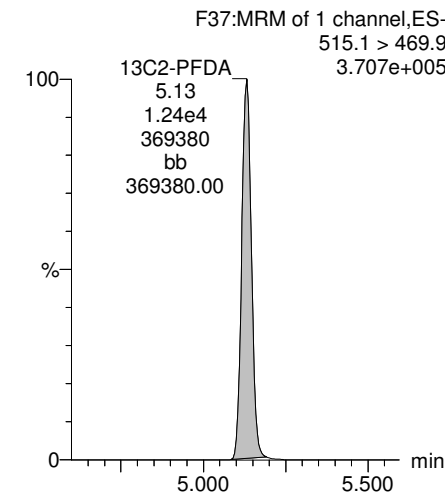
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

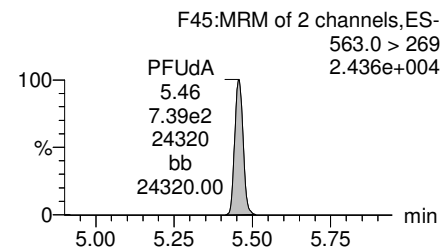
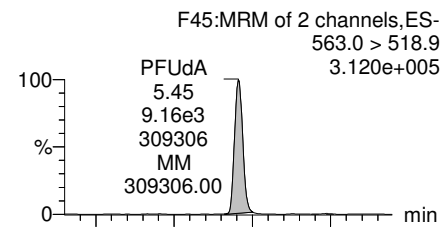


Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

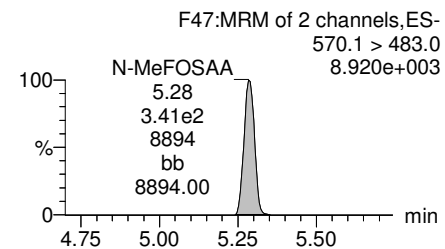
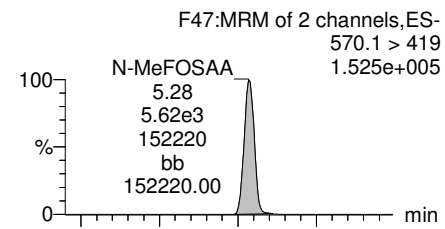
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Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR

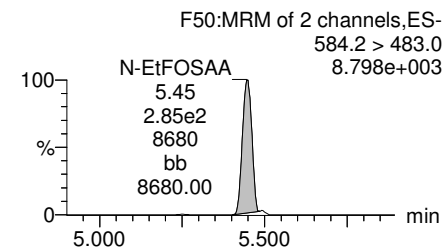
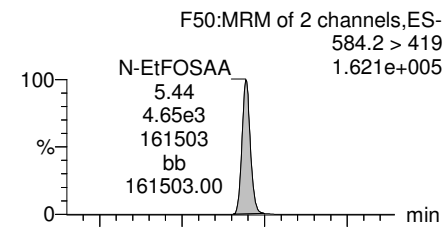
**PFUdA**



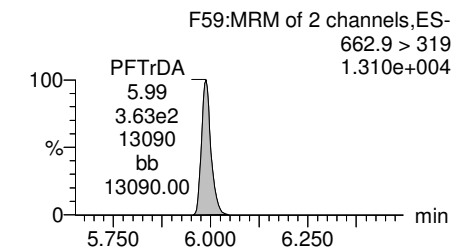
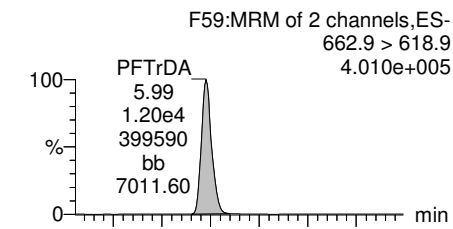
**N-MeFOSAA**



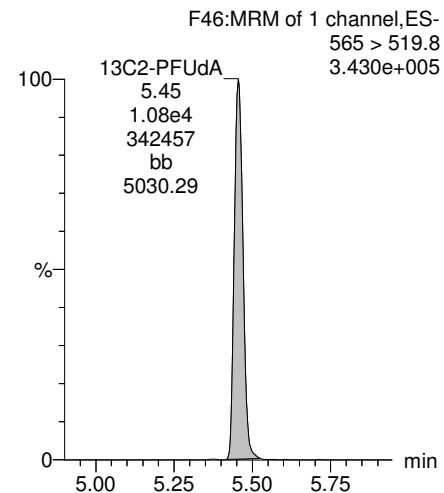
**N-EtFOSAA**



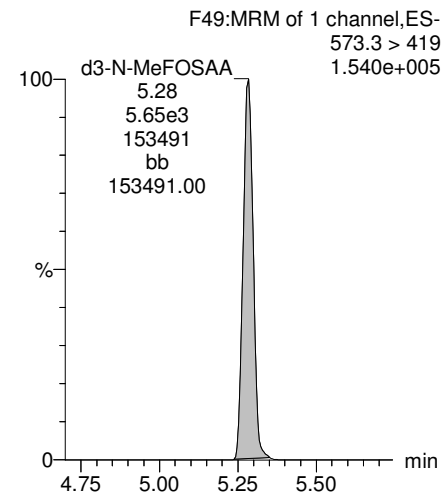
**PFTTrDA**



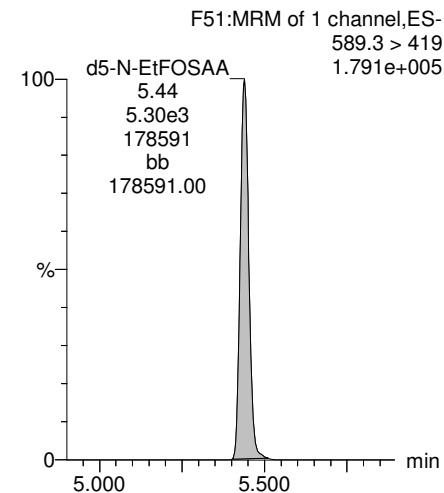
**13C2-PFUdA**



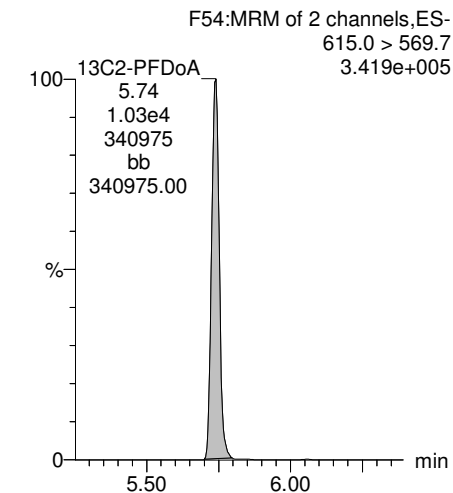
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



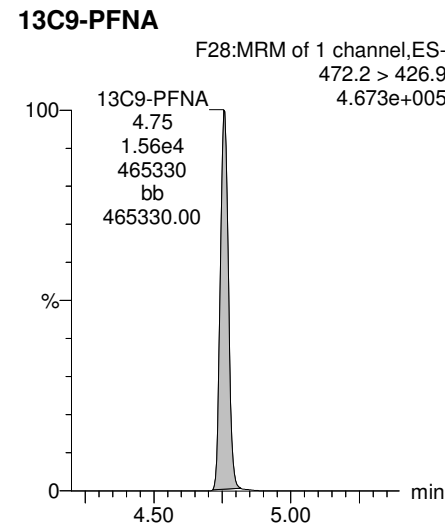
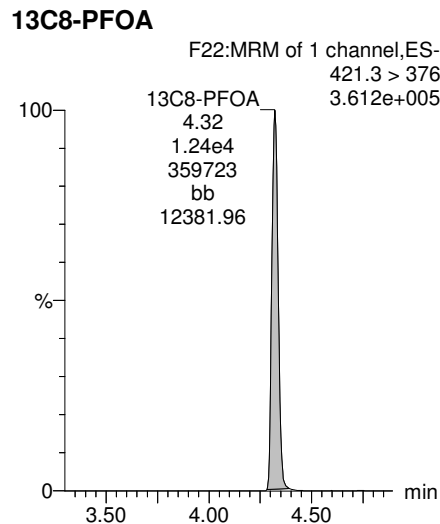
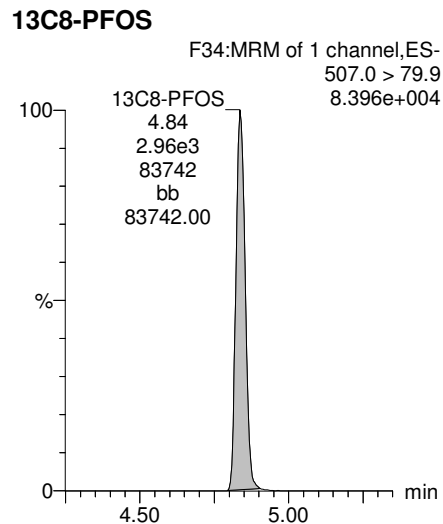
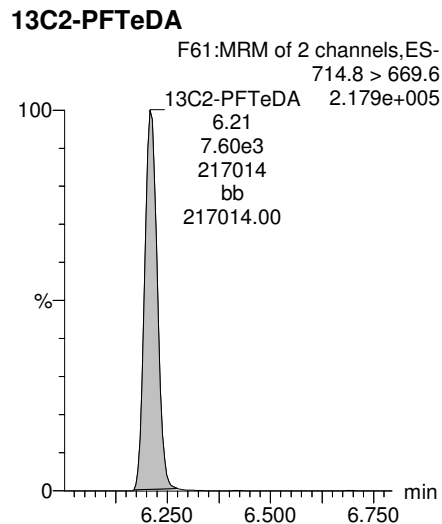
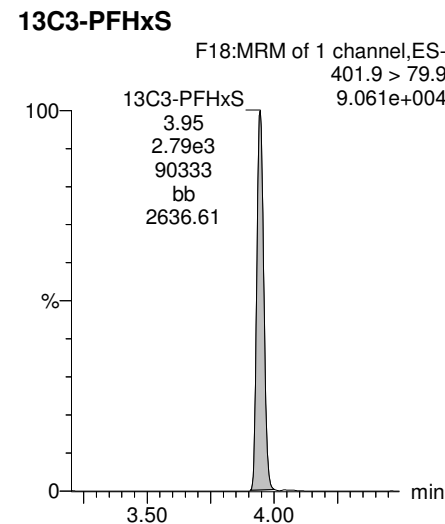
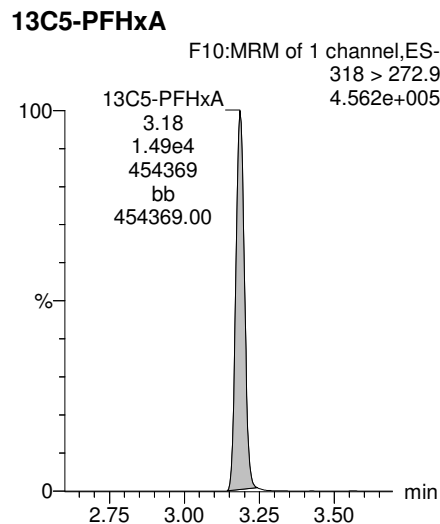
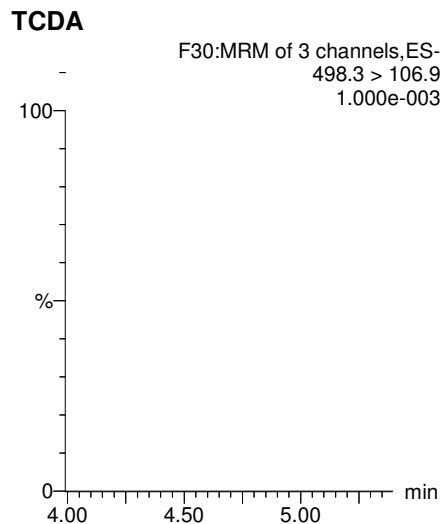
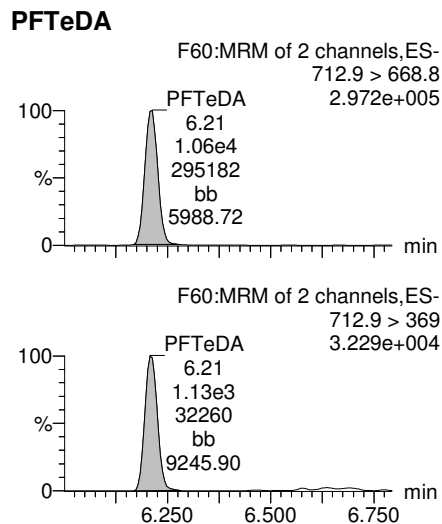
**13C2-PFDoA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-15.qld

Last Altered: Thursday, March 15, 2018 14:12:30 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR



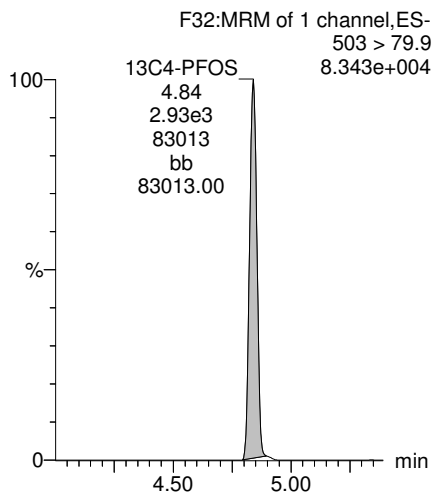
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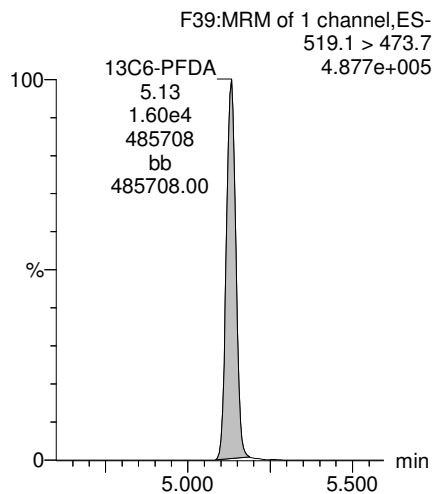
Printed: Thursday, March 15, 2018 14:30:19 Pacific Daylight Time

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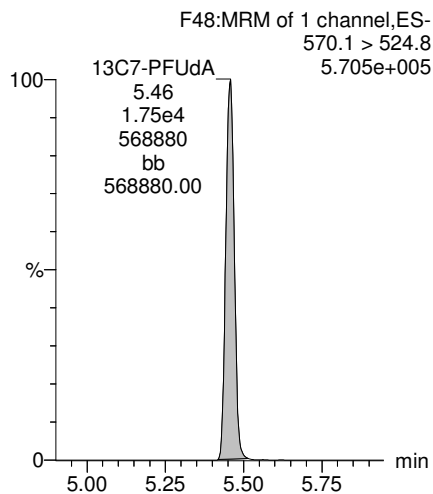
13C4-PFOS



13C6-PFDA



13C7-PFUdA





Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:40:31 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7	2.15e3	1.51e3	0.125		2.98	2.69	17.8	79.2091	99.0
2	5 PFHxA	313.2 > 268.9	1.12e4	3.83e3	0.125		3.48	3.19	14.6	84.7204	105.9
3	7 PFHpA	363.0 > 318.9	9.63e3	9.45e3	0.125		4.10	3.80	12.7	79.6845	99.6
4	8 L-PFHxS	398.9 > 79.6	1.69e3	1.03e3	0.125		4.24	3.95	20.6	91.7044	114.6
5	11 L-PFOA	413 > 368.7	1.13e4	1.47e4	0.125		4.45	4.32	9.63	73.5821	92.0
6	14 PFNA	463.0 > 418.8	1.04e4	1.05e4	0.125		5.04	4.76	12.4	81.2486	101.6
7	16 L-PFOS	499 > 79.9	2.27e3	2.92e3	0.125		4.84	4.84	9.72	75.0162	93.8
8	18 PFDA	513 > 468.8	9.77e3	1.02e4	0.125		5.40	5.13	11.9	94.4890	118.1
9	21 N-MeFOSAA	570.1 > 419	5.52e3	4.43e3	0.125		5.55	5.29	15.6	79.9415	99.9
10	22 N-EtFOSAA	584.2 > 419	4.66e3	5.07e3	0.125		5.70	5.45	11.5	80.2098	100.3
11	23 PFUdA	563.0 > 518.9	8.92e3	1.05e4	0.125		5.72	5.45	10.6	84.0341	105.0

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	27 PFTrDA	662.9 > 618.9	9.74e3	1.03e4	0.125		6.22	5.99	11.8	77.6686	97.1
2	28 PFTeDA	712.9 > 668.8	8.46e3	8.77e3	0.125		6.41	6.21	12.1	53.1693	66.5
3	36 13C3-PFBS	302. > 98.8	1.51e3	1.46e4	0.125	0.101	2.98	2.69	1.30	102.9835	103.0
4	37 13C2-PFHxA	315 > 269.8	3.83e3	1.46e4	0.125	0.744	3.48	3.19	3.29	35.4268	88.6
5	38 13C4-PFHpA	367.2 > 321.8	9.45e3	1.46e4	0.125	0.740	4.10	3.80	8.12	87.7776	87.8
6	39 18O2-PFHxS	403.0 > 102.6	1.03e3	2.64e3	0.125	0.424	4.24	3.95	4.87	91.8508	91.9
7	40 13C2-6:2 FTS	429.1 > 408.9	3.46e3	1.52e4	0.125	0.254	4.56	4.26	2.84	89.6276	89.6
8	41 13C2-PFOA	414.9 > 369.7	1.47e4	1.52e4	0.125	1.129	4.61	4.32	12.1	85.7466	85.7
9	42 13C5-PFNA	468.2 > 422.9	1.05e4	1.35e4	0.125	1.006	5.04	4.76	9.75	77.5239	77.5
10	43 13C8-PFOSA	506.1 > 77.7	1.20e3	1.46e4	0.125	0.182	5.09	4.83	1.02	45.0291	45.0
11	44 13C8-PFOS	507.0 > 79.9	2.92e3	3.13e3	0.125	1.049	5.11	4.84	11.7	88.9130	88.9
12	45 13C2-PFDA	515.1 > 469.9	1.02e4	1.60e4	0.125	1.082	5.40	5.13	7.99	59.0917	59.1
13	46 13C2-8:2 FTS	529.1 > 508.7	2.73e3	1.46e4	0.125	0.161	5.38	5.10	2.35	116.6910	116.7
14	47 d3-N-MeFOSAA	573.3 > 419	4.43e3	1.46e4	0.125	0.426	5.55	5.28	3.78	71.0463	71.0
15	48 d5-N-EtFOSAA	589.3 > 419	5.07e3	1.46e4	0.125	0.459	5.70	5.44	4.33	75.4048	75.4
16	49 13C2-PFUdA	565 > 519.8	1.05e4	1.46e4	0.125	1.051	5.72	5.45	8.97	68.2908	68.3
17	50 13C2-PFDoA	615.0 > 569.7	1.03e4	1.46e4	0.125	0.827	5.99	5.74	8.78	84.9602	85.0
18	51 d3-N-MeFOSA	515.2 > 168.9		1.46e4	0.125	0.107	5.93				
19	52 13C2-PFTeDA	714.8 > 669.6	8.77e3	1.46e4	0.125	0.514	6.41	6.21	7.49	116.5446	116.5
20	53 d5-N-ETFOSA	531.1 > 168.9		1.46e4	0.125	0.152	6.25				
21	54 13C2-PFHxDA	815 > 769.7	7.97e3	1.46e4	0.125	1.185	6.69	6.55	6.81	45.9401	114.9
22	55 d7-N-MeFOSE	623.1 > 58.9		1.46e4	0.125	0.122	6.31				
23	56 d9-N-EtFOSE	639.2 > 58.8		1.46e4	0.125	0.109	6.45				
24	57 13C4-PFBA	217. > 171.8	9.81e3	9.81e3	0.125	1.000	1.73	1.45	12.5	100.0000	100.0
25	58 13C5-PFHxA	318 > 272.9	1.46e4	1.46e4	0.125	1.000	3.48	3.19	12.5	100.0000	100.0
26	59 13C3-PFHxS	401.9 > 79.9	2.64e3	2.64e3	0.125	1.000	4.24	3.95	12.5	100.0000	100.0
27	60 13C8-PFOA	421.3 > 376	1.52e4	1.52e4	0.125	1.000	4.61	4.32	12.5	100.0000	100.0
28	61 13C9-PFNA	472.2 > 426.9	1.35e4	1.35e4	0.125	1.000	4.70	4.76	12.5	100.0000	100.0
29	62 13C4-PFOS	503 > 79.9	3.13e3	3.13e3	0.125	1.000	5.11	4.84	12.5	100.0000	100.0
30	63 13C6-PFDA	519.1 > 473.7	1.60e4	1.60e4	0.125	1.000	5.40	5.13	12.5	100.0000	100.0
31	64 13C7-PFUdA	570.1 > 524.8	1.46e4	1.46e4	0.125	1.000	5.72	5.46	12.5	100.0000	100.0
32	65 Total PFHxS	398.9 > 79.6	1.69e3	1.03e3	0.125		4.24		20.6	91.7044	

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time

Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total PFOA	413 > 368.7	1.13e4	1.47e4	0.125		4.61		9.63	73.5821	
34	67 Total PFOS	499 > 79.9	2.27e3	2.92e3	0.125		5.11		9.72	75.0162	
35	68 Total N-MeFOSAA	570.1 > 419	5.52e3	4.43e3	0.125		5.55		15.6	79.9415	
36	69 Total N-EtFOSAA	584.2 > 419	4.66e3	5.07e3	0.125		5.70		11.5	80.2098	

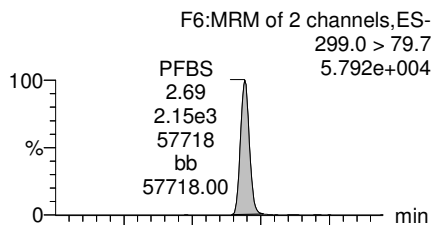
Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

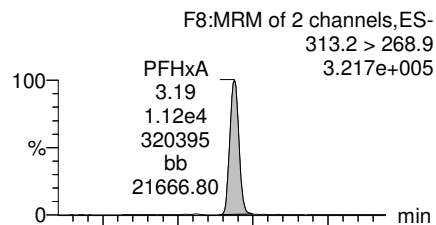
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10  
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

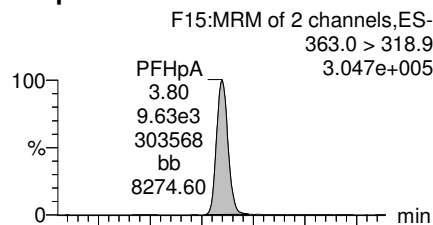
**PFBS**



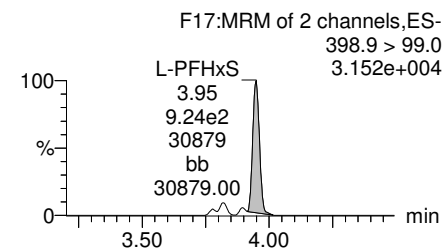
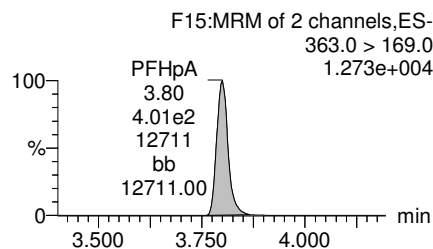
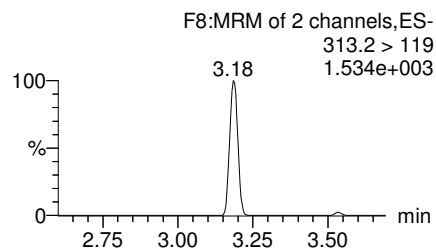
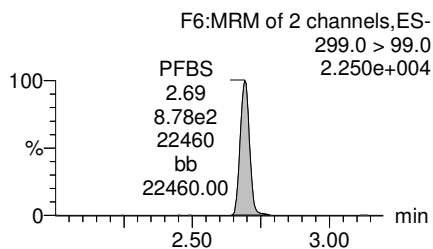
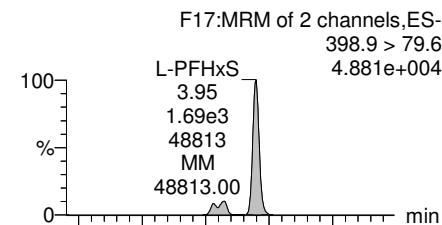
**PFHxA**



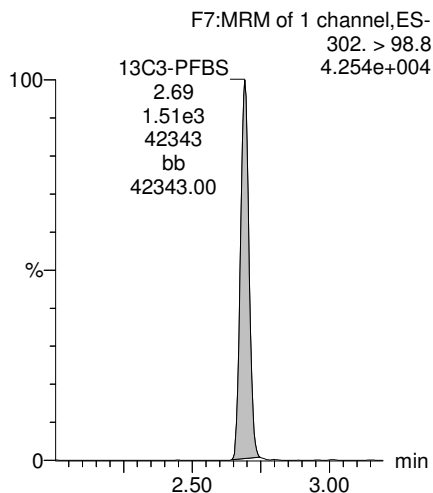
**PFHpA**



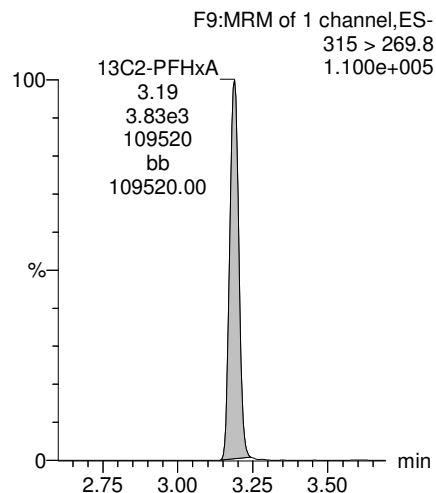
**Total PFHxS**



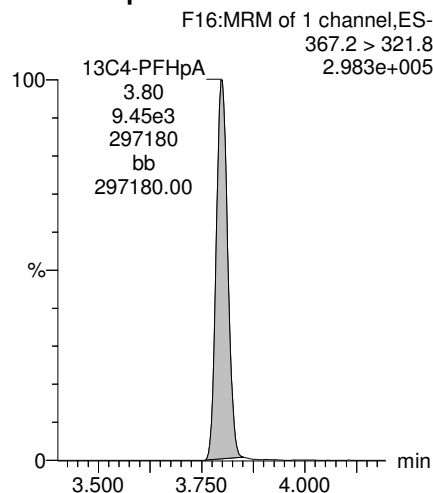
**13C3-PFBS**



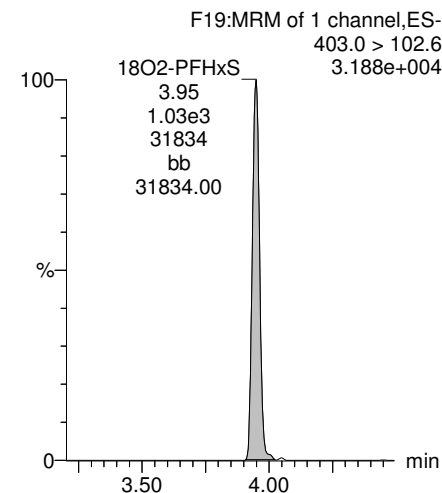
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

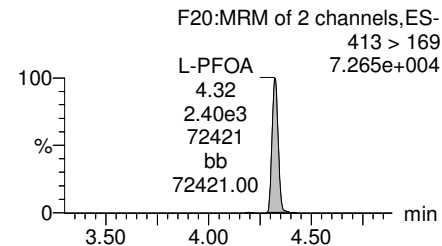
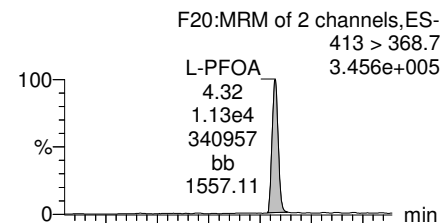


Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

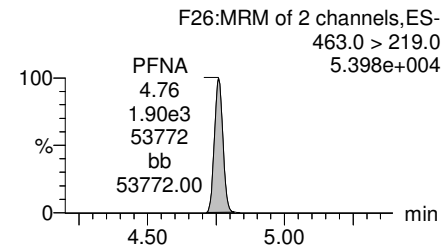
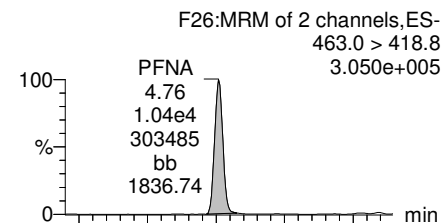
Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

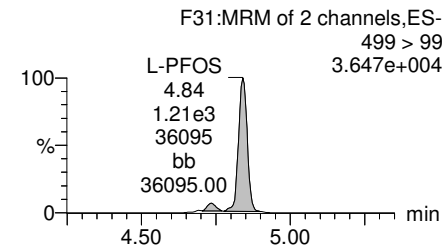
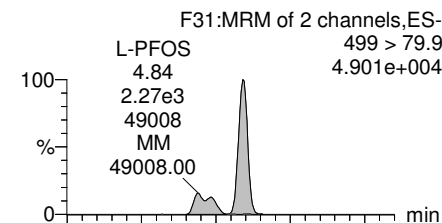
**Total PFOA**



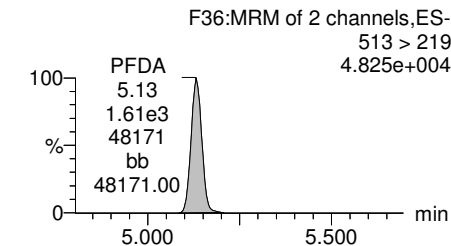
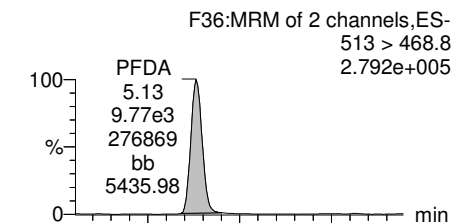
**PFNA**



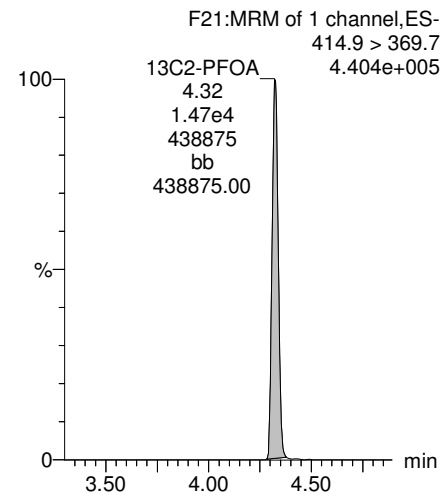
**Total PFOS**



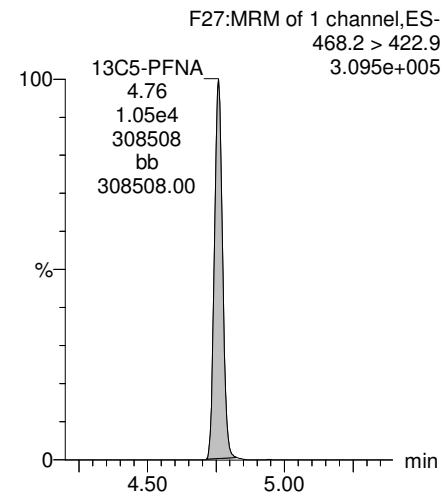
**PFDA**



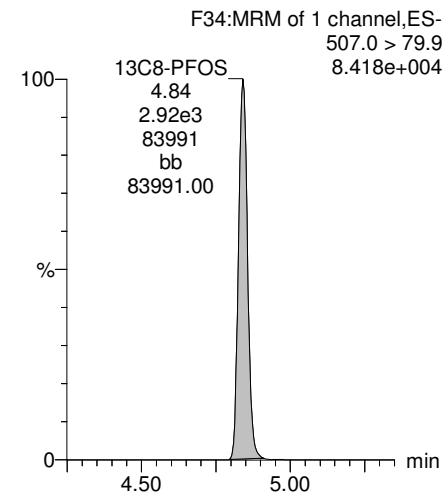
**13C2-PFOA**



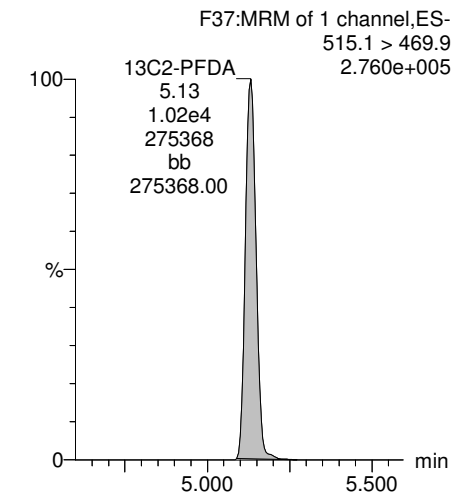
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

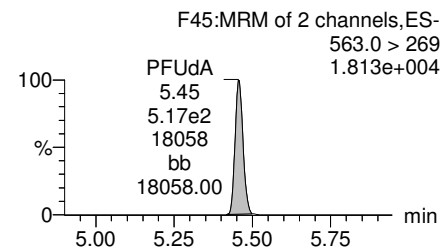
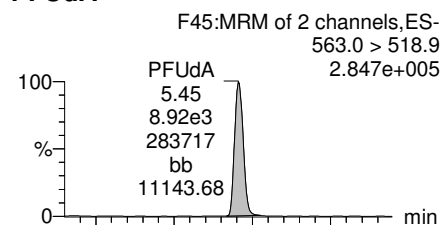


Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

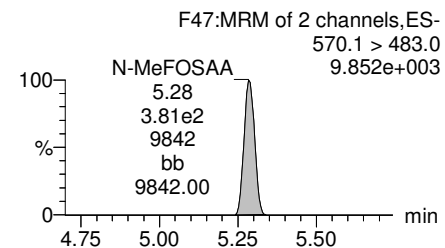
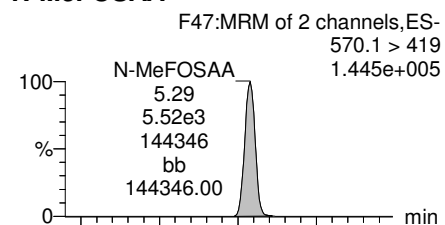
Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

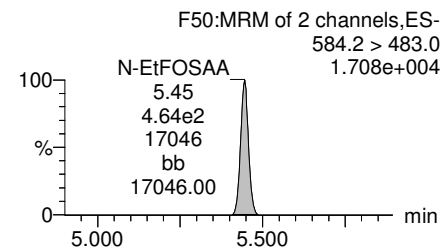
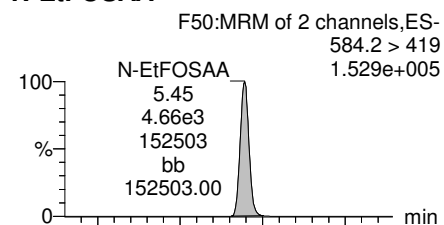
**PFUdA**



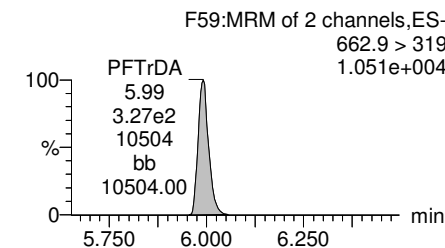
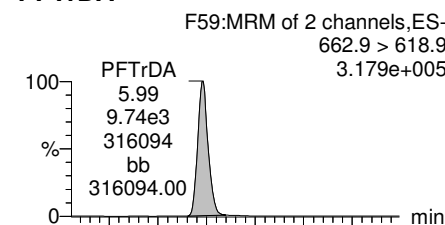
**N-MeFOSAA**



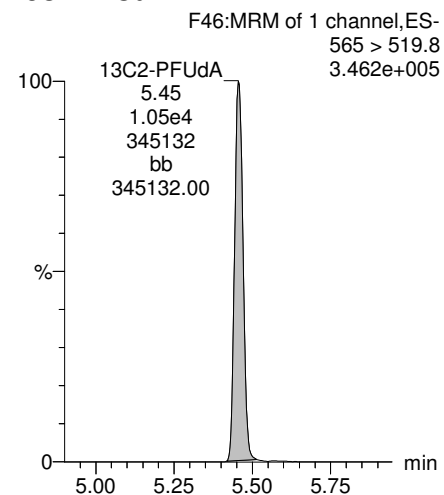
**N-EtFOSAA**



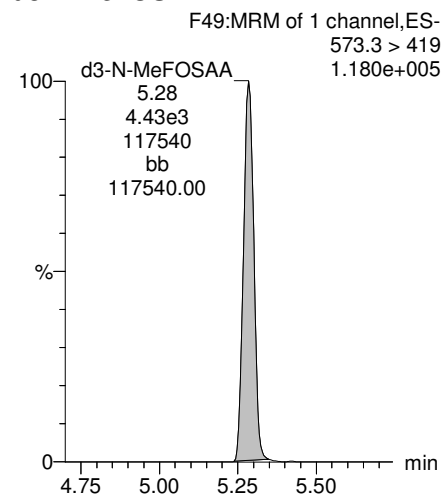
**PFTTrDA**



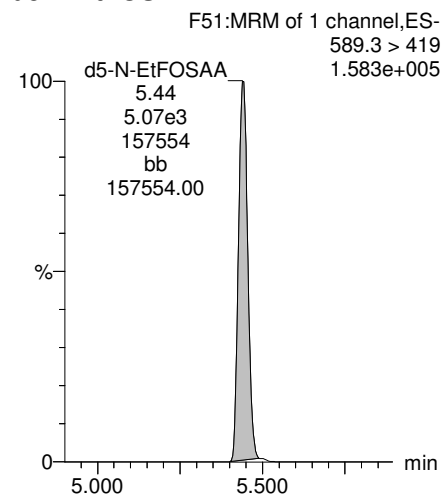
**13C2-PFUdA**



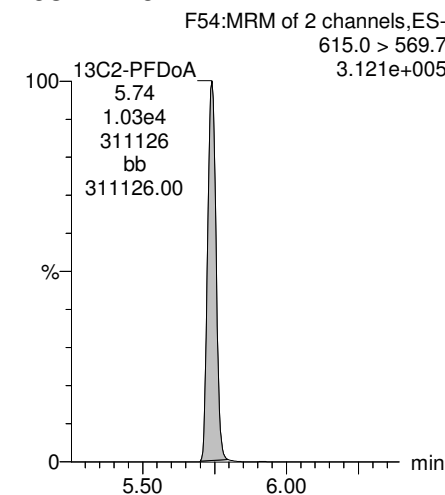
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



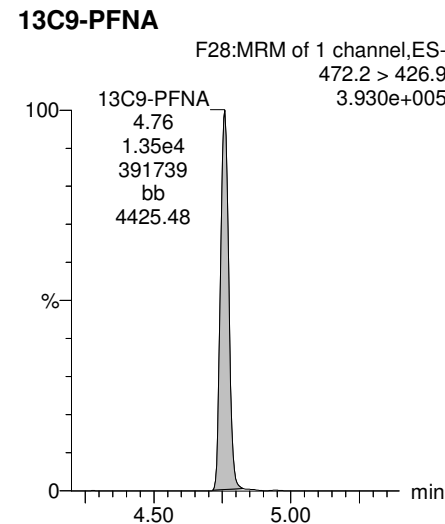
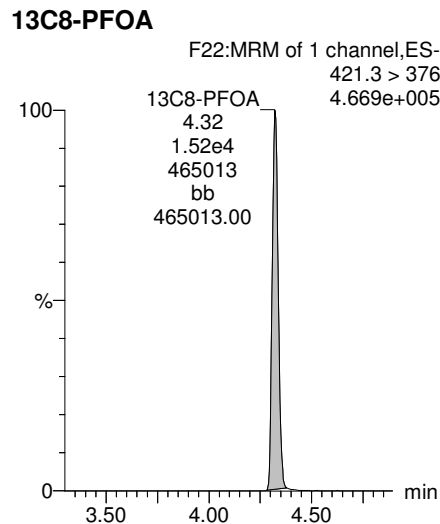
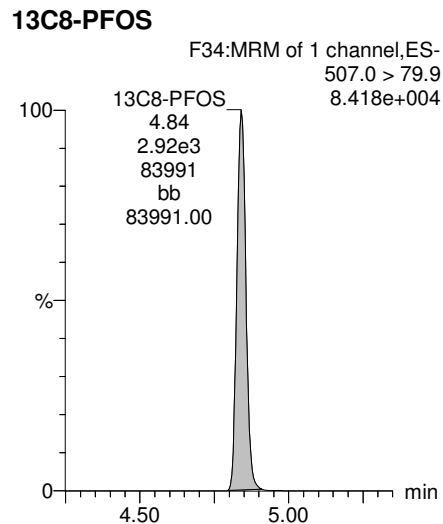
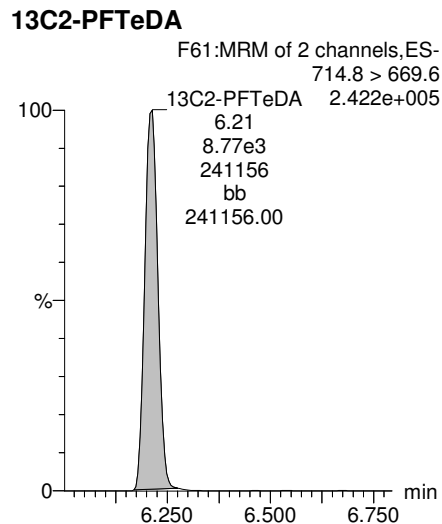
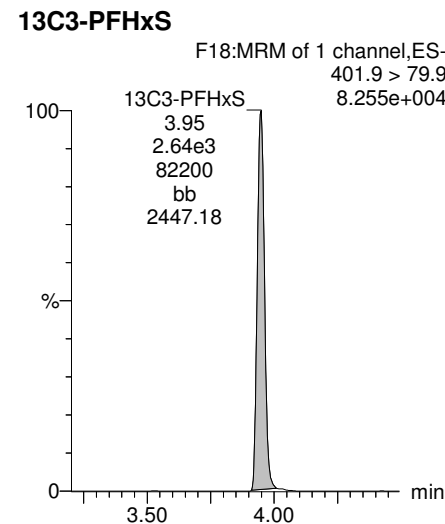
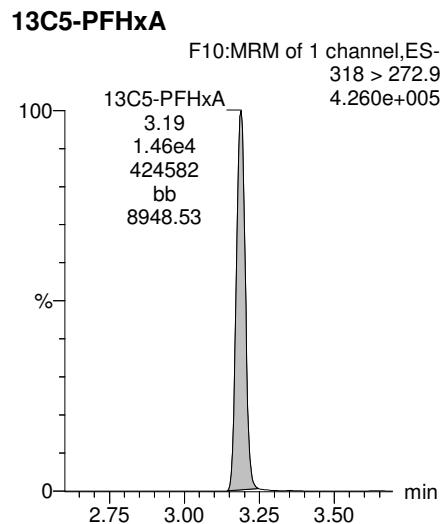
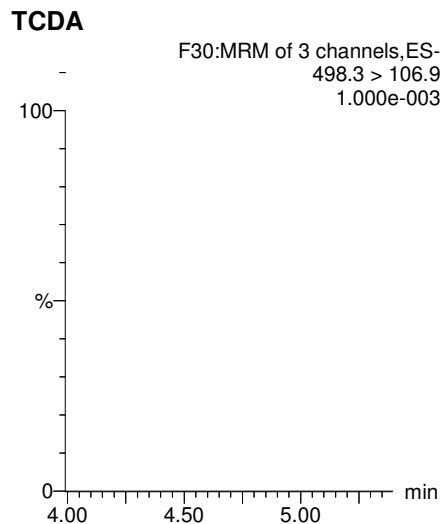
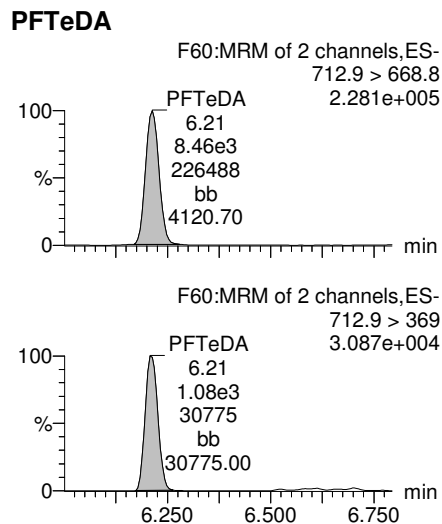
**13C2-PFDoA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD



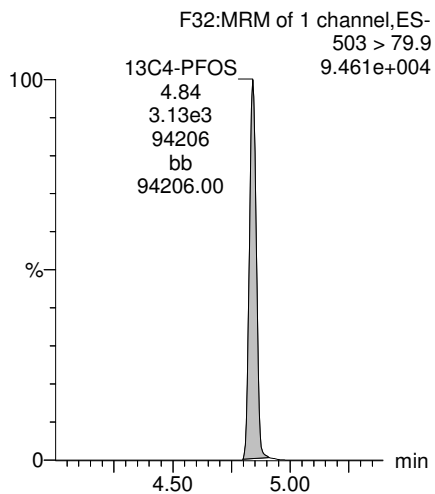
Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-16.qld

Last Altered: Thursday, March 15, 2018 14:37:57 Pacific Daylight Time

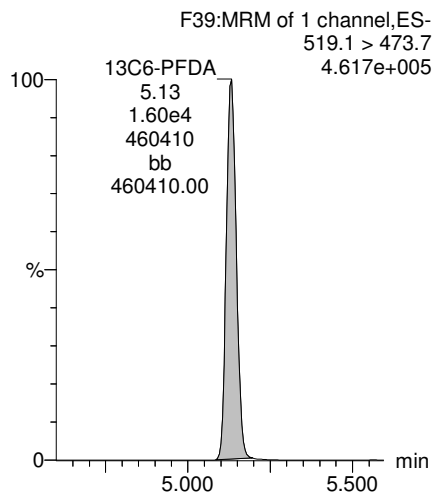
Printed: Thursday, March 15, 2018 14:40:20 Pacific Daylight Time

Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD

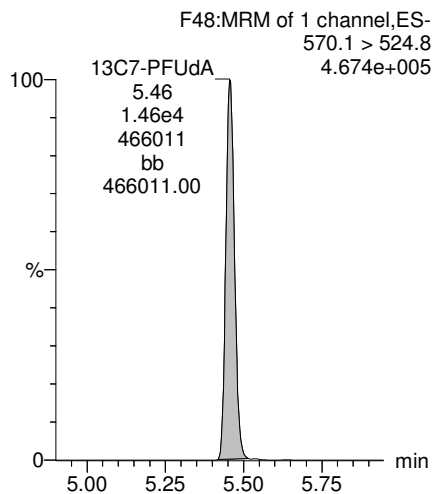
13C4-PFOS



13C6-PFDA



13C7-PFUdA





Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-5.qld

Last Altered: Wednesday, March 21, 2018 13:01:29 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:17 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_5, Date: 20-Mar-2018, Time: 16:44:33, ID: B8C0111-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDoA	612.9 > 569.0		6.22e3		0.1250	5.84				
2	50 13C2-PFDoA	615.0 > 569.7	6.22e3	1.05e4	0.879	0.1250	5.84	5.69	7.39	67.3	67.3
3	64 13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	1.000	0.1250	5.56	5.41	12.5	100	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-5.qld

Last Altered: Wednesday, March 21, 2018 13:01:29 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:17 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

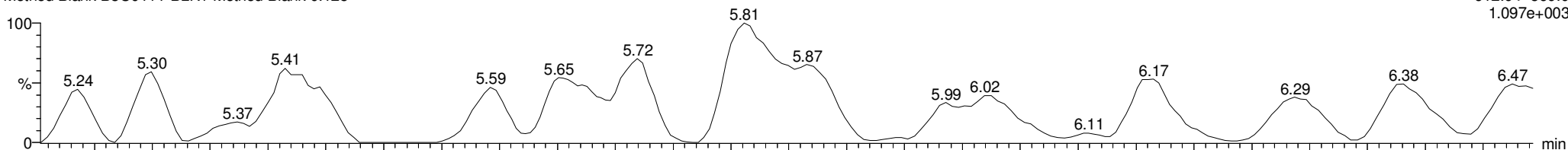
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_5, Date: 20-Mar-2018, Time: 16:44:33, ID: B8C0111-BLK1 Method Blank 0.125, Description: Method Blank

**PFD<sub>o</sub>A**

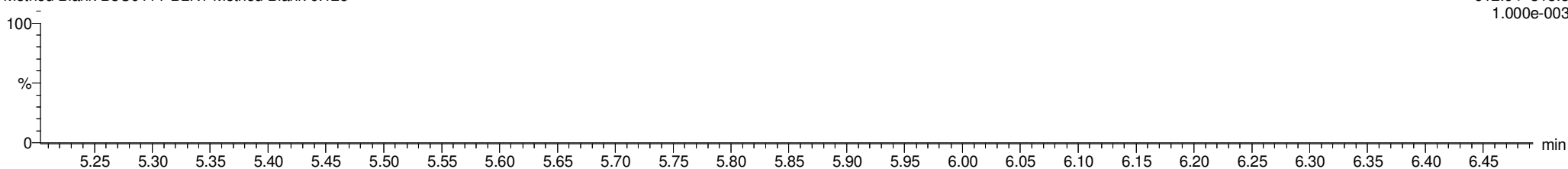
180320M2\_5 Smooth(Mn,1x2)  
Method Blank B8C0111-BLK1 Method Blank 0.125

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
1.097e+003



180320M2\_5 Smooth(Mn,1x2)  
Method Blank B8C0111-BLK1 Method Blank 0.125

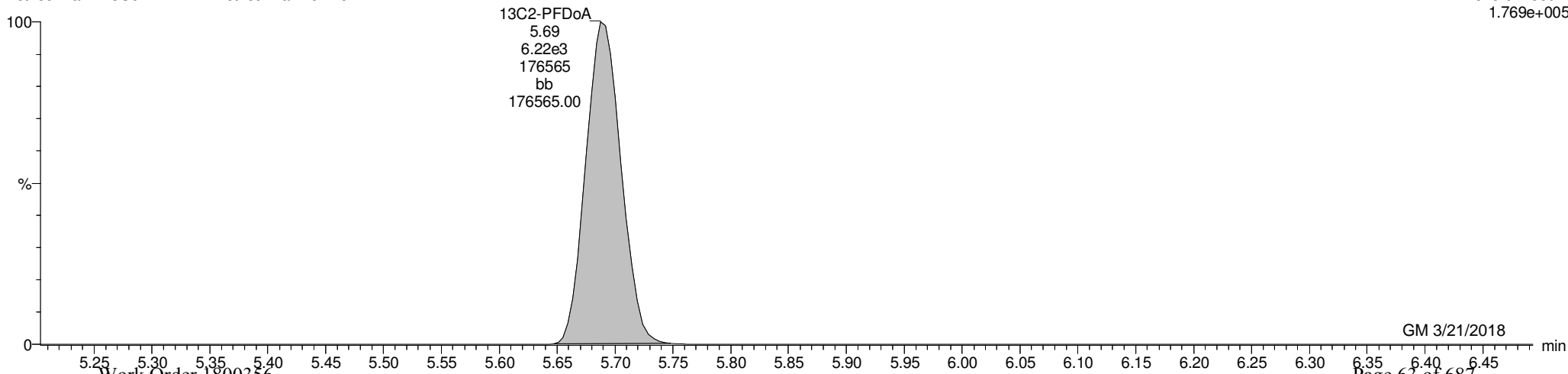
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.000e-003



**13C2-PFD<sub>o</sub>A**

180320M2\_5 Smooth(Mn,1x2)  
Method Blank B8C0111-BLK1 Method Blank 0.125

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
1.769e+005



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-5.qld

Last Altered: Wednesday, March 21, 2018 13:01:29 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:17 Pacific Daylight Time

Name: 180320M2\_5, Date: 20-Mar-2018, Time: 16:44:33, ID: B8C0111-BLK1 Method Blank 0.125, Description: Method Blank

13C7-PFUdA

180320M2\_5 Smooth(Mn,1x2)

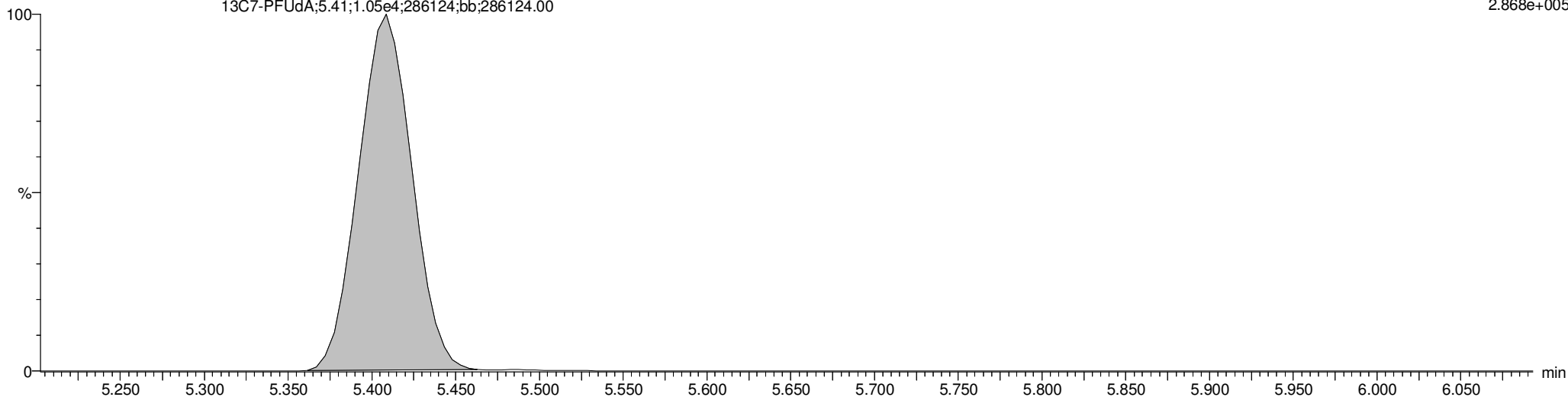
Method Blank B8C0111-BLK1 Method Blank 0.125

F48:MRM of 1 channel,ES-

570.1 > 524.8

2.868e+005

13C7-PFUdA;5.41;1.05e4;286124;bb;286124.00



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-4.qld

Last Altered: Wednesday, March 21, 2018 13:00:10 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:00:43 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_4, Date: 20-Mar-2018, Time: 16:33:08, ID: B8C0111-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDoA	612.9 > 569.0	8.46e3	6.87e3		0.1250	5.84	5.69	15.4	79.8	99.7
2	50 13C2-PFDoA	615.0 > 569.7	6.87e3	1.26e4	0.879	0.1250	5.84	5.69	6.82	62.1	62.1
3	64 13C7-PFUdA	570.1 > 524.8	1.26e4	1.26e4	1.000	0.1250	5.56	5.41	12.5	100	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-4.qld

Last Altered: Wednesday, March 21, 2018 13:00:10 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:00:43 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

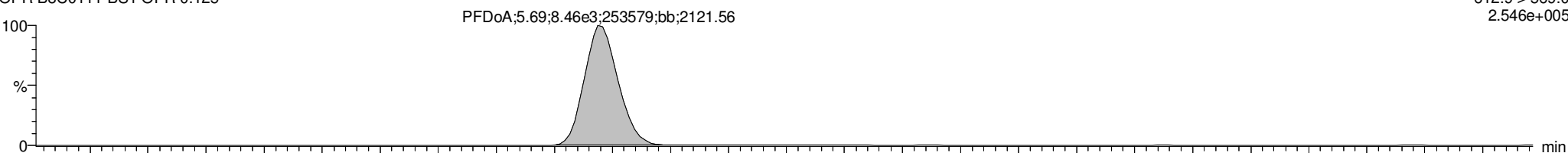
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_4, Date: 20-Mar-2018, Time: 16:33:08, ID: B8C0111-BS1 OPR 0.125, Description: OPR

**PFD0A**

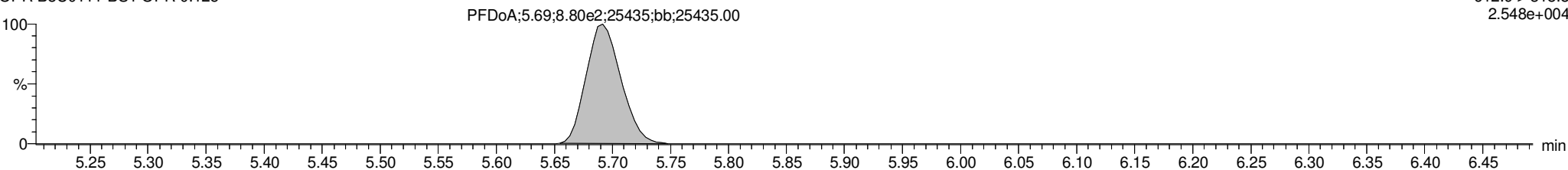
180320M2\_4 Smooth(Mn,1x2)  
OPR B8C0111-BS1 OPR 0.125

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
2.546e+005



180320M2\_4 Smooth(Mn,1x2)  
OPR B8C0111-BS1 OPR 0.125

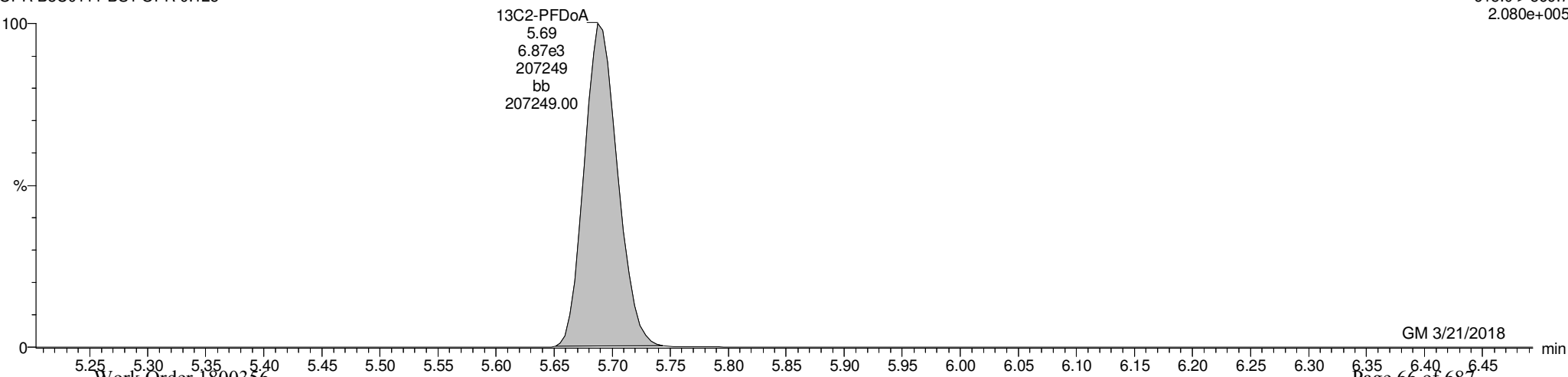
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
2.548e+004



**13C2-PFD0A**

180320M2\_4 Smooth(Mn,1x2)  
OPR B8C0111-BS1 OPR 0.125

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
2.080e+005



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-4.qld

Last Altered: Wednesday, March 21, 2018 13:00:10 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:00:43 Pacific Daylight Time

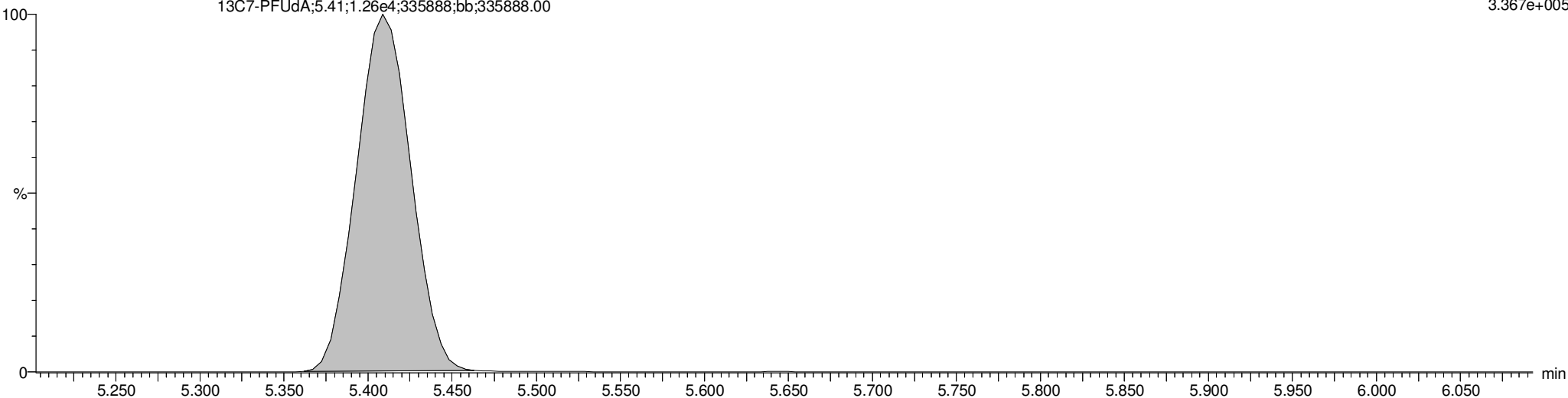
Name: 180320M2\_4, Date: 20-Mar-2018, Time: 16:33:08, ID: B8C0111-BS1 OPR 0.125, Description: OPR

13C7-PFUdA

180320M2\_4 Smooth(Mn,1x2)  
OPR B8C0111-BS1 OPR 0.125

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.367e+005

13C7-PFUdA;5.41;1.26e4;335888;bb;335888.00



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-18.qld

Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:33:15 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.58e3	0.118		2.98				
2	5 PFHxA	313.2 > 268.9		3.85e3	0.118		3.48				
3	7 PFHpA	363.0 > 318.9		1.05e4	0.118		4.10				
4	8 L-PFHxS	398.9 > 79.6	9.44e0	1.12e3	0.118		4.24	3.95	0.105	0.5852	
5	11 L-PFOA	413 > 368.7		1.44e4	0.118		4.45				
6	14 PFNA	463.0 > 418.8		1.07e4	0.118		5.04				
7	16 L-PFOS	499 > 79.9		3.15e3	0.118		4.84				
8	18 PFDA	513 > 468.8		1.13e4	0.118		5.40				
9	21 N-MeFOSAA	570.1 > 419		5.00e3	0.118		5.55				
10	22 N-EtFOSAA	584.2 > 419		5.86e3	0.118		5.70				
11	23 PFUdA	563.0 > 518.9		1.26e4	0.118		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-18.qld

Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:33:23 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	27	PFTrDA	662.9 > 618.9	1.29e4	0.118		6.22					
2	28	PFTeDA	712.9 > 668.8	7.84e3	0.118		6.41					
3	36	13C3-PFBS	302. > 98.8	1.58e3	1.45e4	0.118	0.101	2.98	2.69	1.36	114.2990	107.5
4	37	13C2-PFHxA	315 > 269.8	3.85e3	1.45e4	0.118	0.744	3.48	3.19	3.32	37.9587	89.2
5	38	13C4-PFHpA	367.2 > 321.8	1.05e4	1.45e4	0.118	0.740	4.10	3.80	9.06	104.1060	97.9
6	39	18O2-PFHxS	403.0 > 102.6	1.12e3	2.95e3	0.118	0.424	4.24	3.95	4.75	95.2172	89.5
7	40	13C2-6:2 FTS	429.1 > 408.9	3.28e3	1.40e4	0.118	0.254	4.56	4.27	2.93	98.4102	92.5
8	41	13C2-PFOA	414.9 > 369.7	1.44e4	1.40e4	0.118	1.129	4.61	4.32	12.9	96.8412	91.1
9	42	13C5-PFNA	468.2 > 422.9	1.07e4	1.49e4	0.118	1.006	5.04	4.76	9.00	76.0359	71.5
10	43	13C8-PFOSA	506.1 > 77.7	1.49e3	1.54e4	0.118	0.182	5.09	4.83	1.21	56.4771	53.1
11	44	13C8-PFOS	507.0 > 79.9	3.15e3	3.70e3	0.118	1.049	5.11	4.84	10.6	86.3264	81.2
12	45	13C2-PFDA	515.1 > 469.9	1.13e4	1.43e4	0.118	1.082	5.40	5.13	9.93	78.0919	73.4
13	46	13C2-8:2 FTS	529.1 > 508.7	2.63e3	1.45e4	0.118	0.161	5.38	5.10	2.27	119.8539	112.7
14	47	d3-N-MeFOSAA	573.3 > 419	5.00e3	1.54e4	0.118	0.426	5.55	5.28	4.07	81.1817	76.3
15	48	d5-N-EtFOSAA	589.3 > 419	5.86e3	1.54e4	0.118	0.459	5.70	5.44	4.76	88.1885	82.9
16	49	13C2-PFUdA	565 > 519.8	1.26e4	1.54e4	0.118	1.051	5.72	5.46	10.2	82.9678	78.0
17	50	13C2-PFDoA	615.0 > 569.7	1.29e4	1.54e4	0.118	0.827	5.99	5.74	10.5	107.6295	101.2
18	51	d3-N-MeFOSA	515.2 > 168.9		1.54e4	0.118	0.107	5.93				
19	52	13C2-PFTeDA	714.8 > 669.6	7.84e3	1.54e4	0.118	0.514	6.41	6.21	6.37	105.4545	99.2
20	53	d5-N-ETFOSA	531.1 > 168.9		1.54e4	0.118	0.152	6.25				
21	54	13C2-PFHxDA	815 > 769.7	7.33e3	1.54e4	0.118	1.185	6.69	6.55	5.96	42.7741	100.6
22	55	d7-N-MeFOSE	623.1 > 58.9		1.54e4	0.118	0.122	6.31				
23	56	d9-N-EtFOSE	639.2 > 58.8		1.54e4	0.118	0.109	6.45				
24	57	13C4-PFBA	217. > 171.8	9.20e3	9.20e3	0.118	1.000	1.73	1.44	12.5	106.3468	100.0
25	58	13C5-PFHxA	318 > 272.9	1.45e4	1.45e4	0.118	1.000	3.48	3.18	12.5	106.3468	100.0
26	59	13C3-PFHxS	401.9 > 79.9	2.95e3	2.95e3	0.118	1.000	4.24	3.95	12.5	106.3468	100.0
27	60	13C8-PFOA	421.3 > 376	1.40e4	1.40e4	0.118	1.000	4.61	4.32	12.5	106.3468	100.0
28	61	13C9-PFNA	472.2 > 426.9	1.49e4	1.49e4	0.118	1.000	4.70	4.76	12.5	106.3468	100.0
29	62	13C4-PFOS	503 > 79.9	3.70e3	3.70e3	0.118	1.000	5.11	4.84	12.5	106.3468	100.0
30	63	13C6-PFDA	519.1 > 473.7	1.43e4	1.43e4	0.118	1.000	5.40	5.13	12.5	106.3468	100.0
31	64	13C7-PFUdA	570.1 > 524.8	1.54e4	1.54e4	0.118	1.000	5.72	5.46	12.5	106.3468	100.0
32	65	Total PFHxS	398.9 > 79.6	9.44e0	1.12e3	0.118		4.24		0.105	0.5852	

AD 3/15/2018



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-18.qld

Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:33:23 Pacific Daylight Time

Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total PFOA	413 > 368.7	0.00e0	1.44e4	0.118		4.61		0.000		
34	67 Total PFOS	499 > 79.9	0.00e0	3.15e3	0.118		5.11		0.000		
35	68 Total N-MeFOSAA	570.1 > 419	0.00e0	5.00e3	0.118		5.55		0.000		
36	69 Total N-EtFOSAA	584.2 > 419	0.00e0	5.86e3	0.118		5.70		0.000		

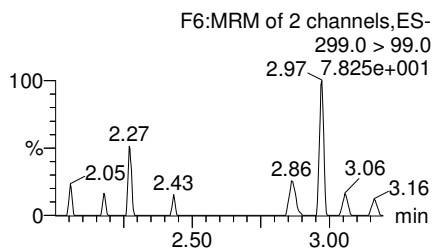
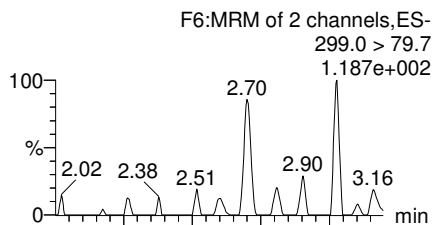
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Printed: Thursday, March 15, 2018 15:33:23 Pacific Daylight Time

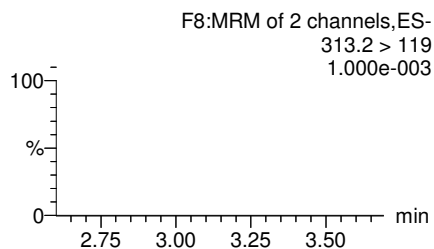
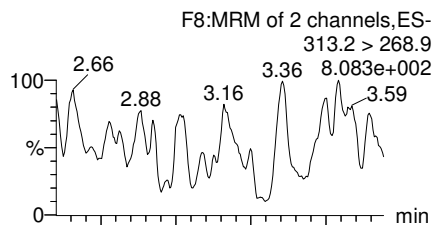
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Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

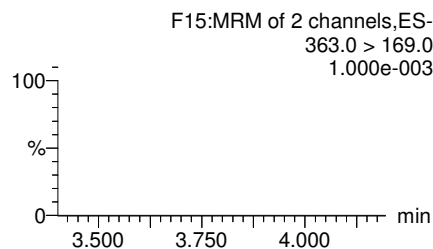
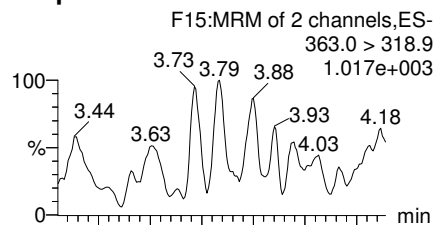
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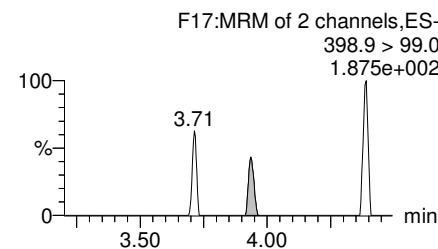
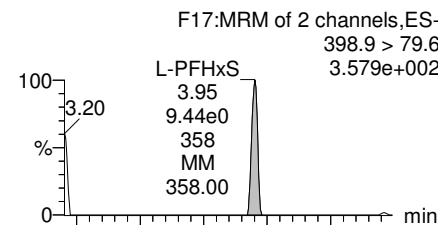
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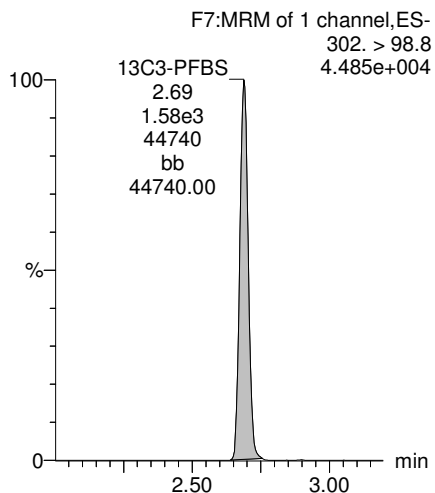
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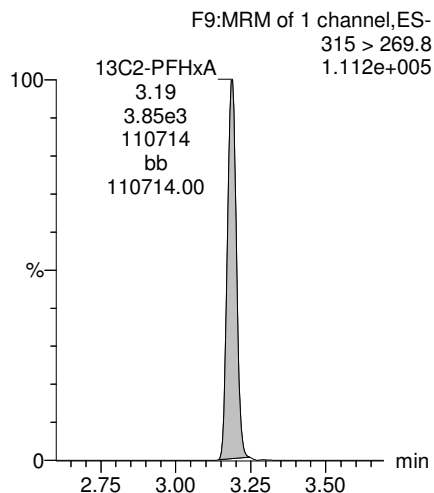
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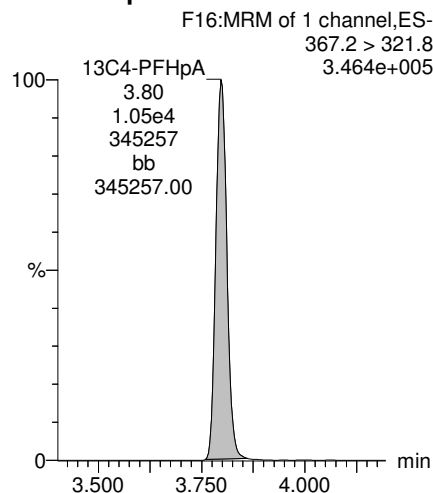
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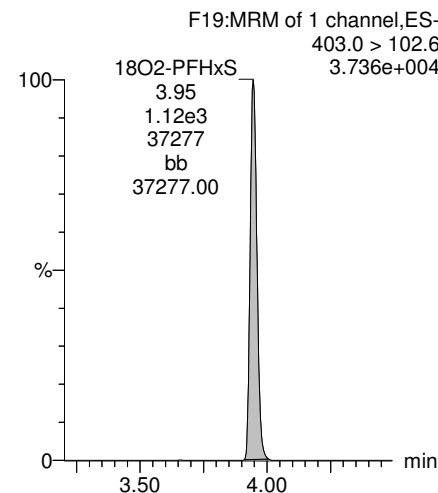
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**13C4-PFHpA**



**18O2-PFHxS**



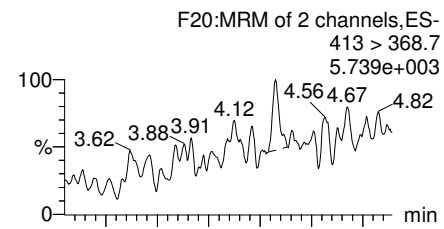
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Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time

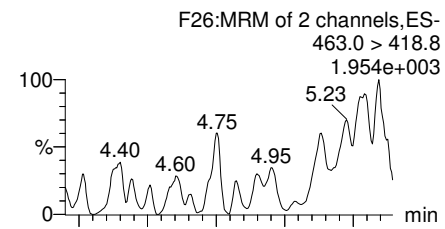
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Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

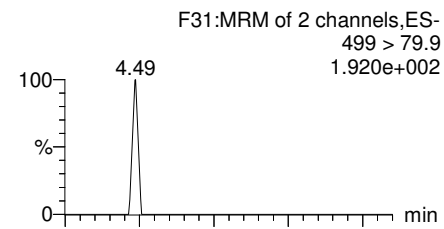
**Total PFOA**



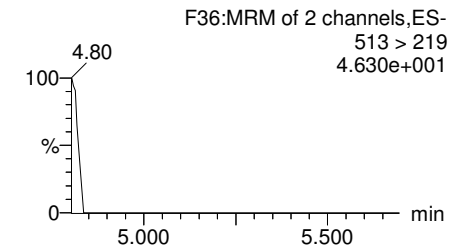
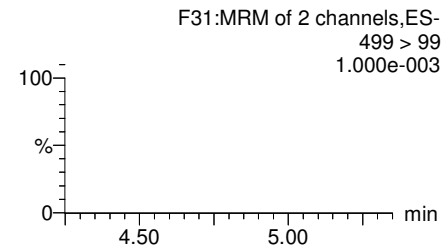
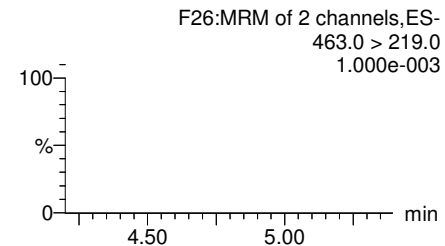
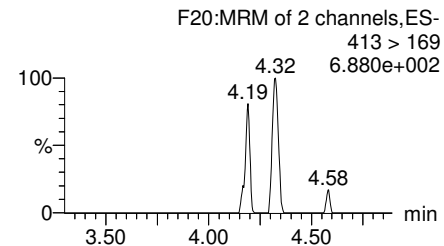
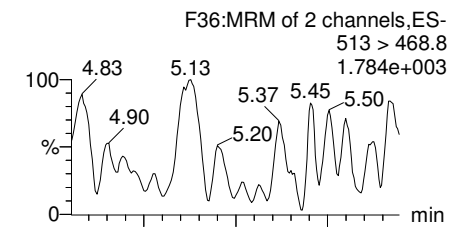
**PFNA**



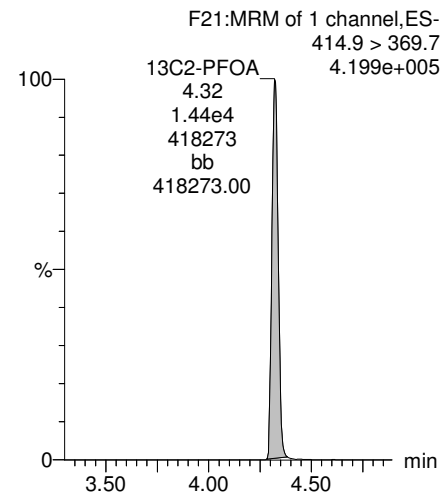
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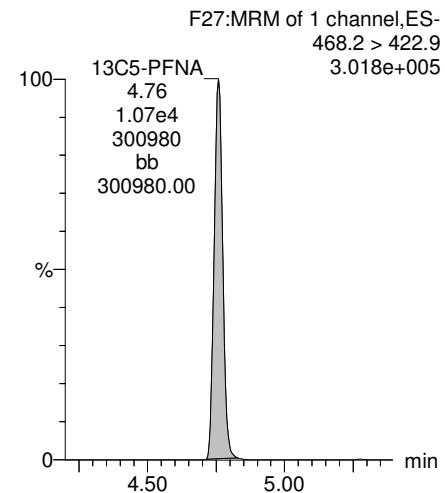
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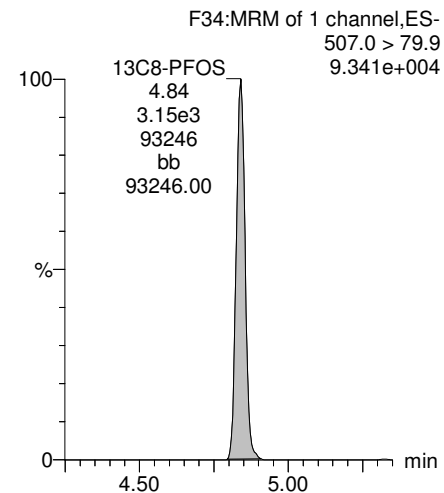
**13C2-PFOA**



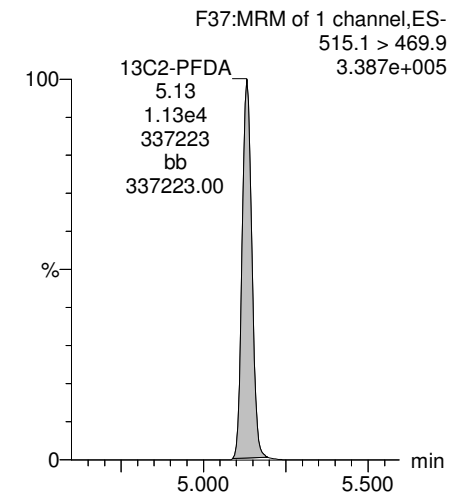
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

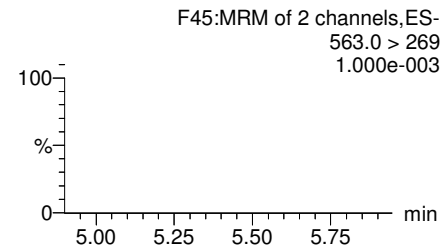
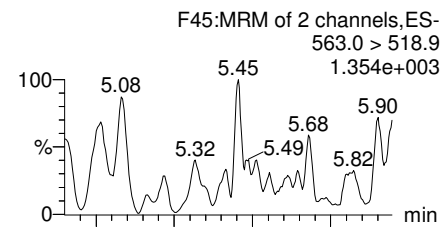


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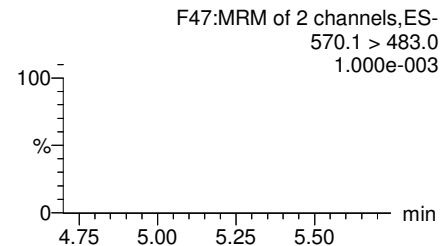
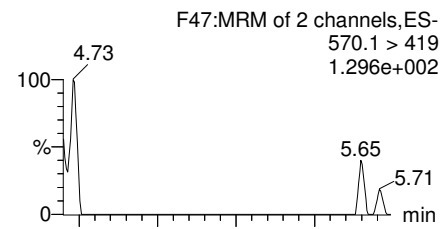
Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 15:33:23 Pacific Daylight Time

Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018

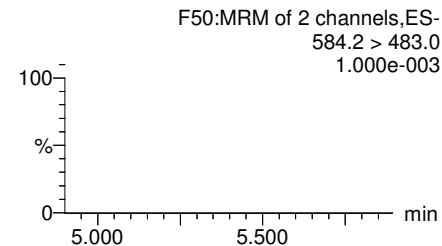
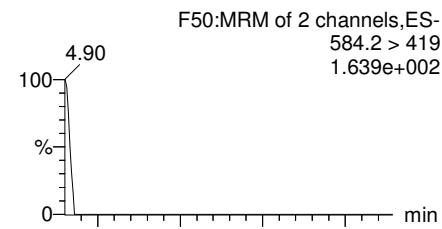
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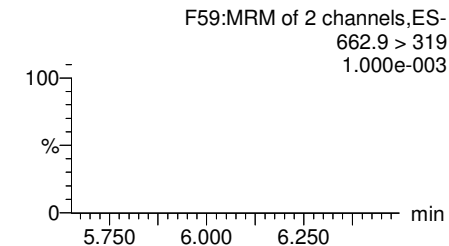
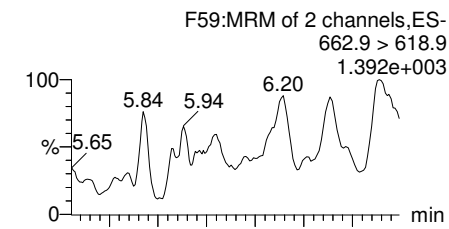
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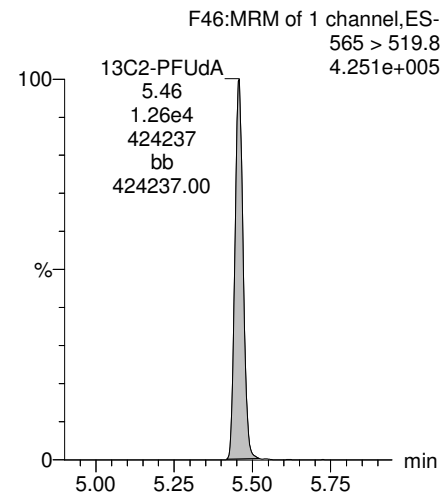
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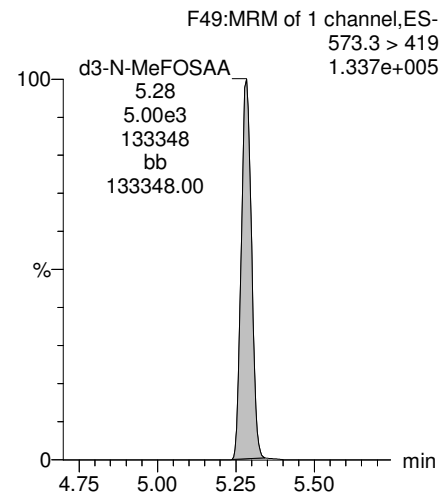
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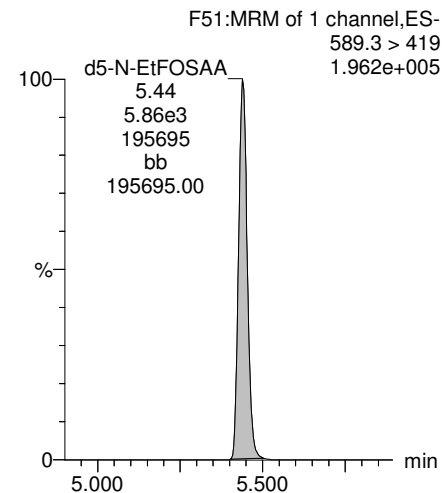
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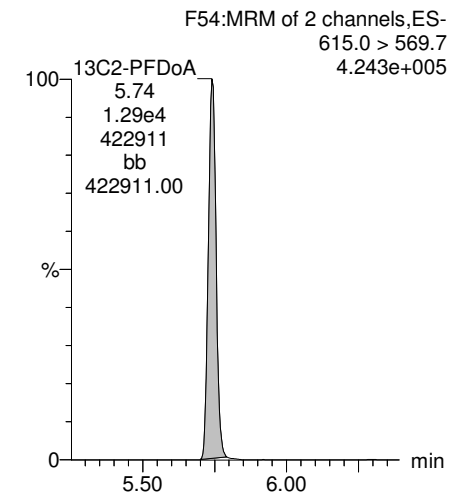
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**d5-N-EtFOSAA**



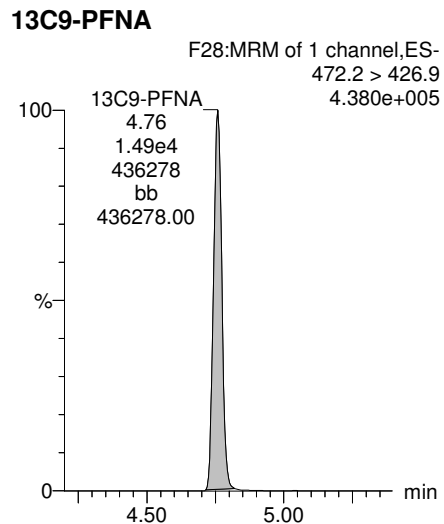
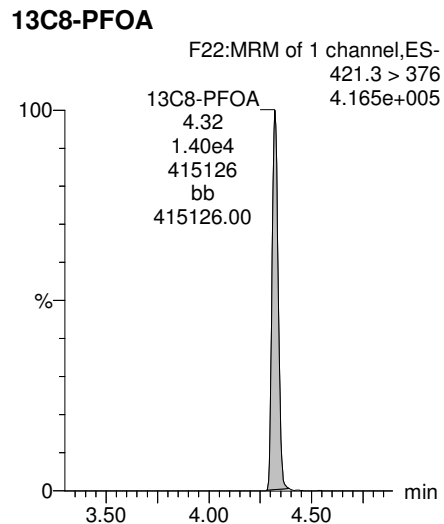
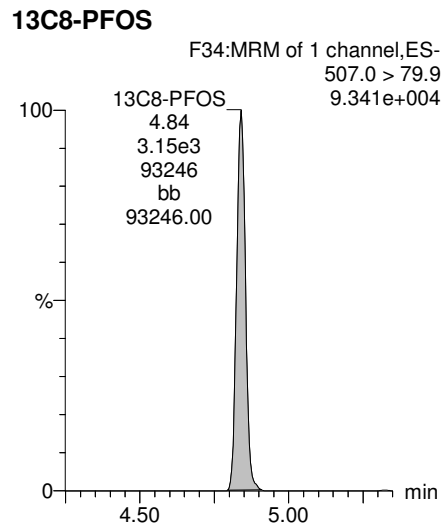
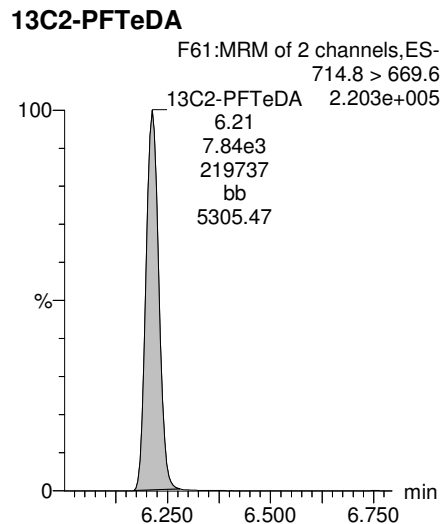
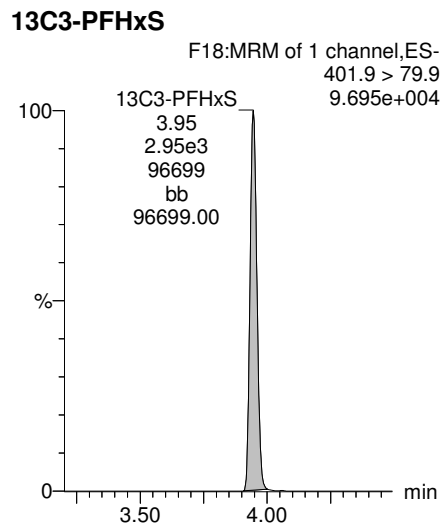
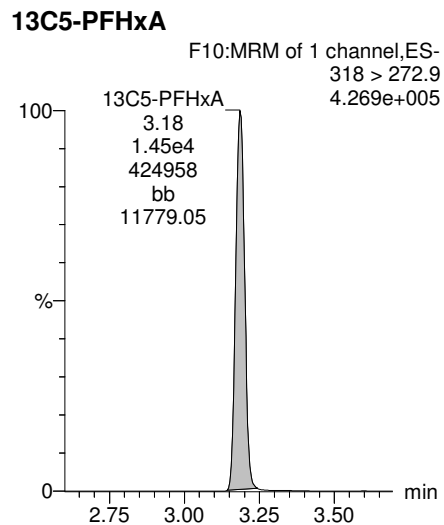
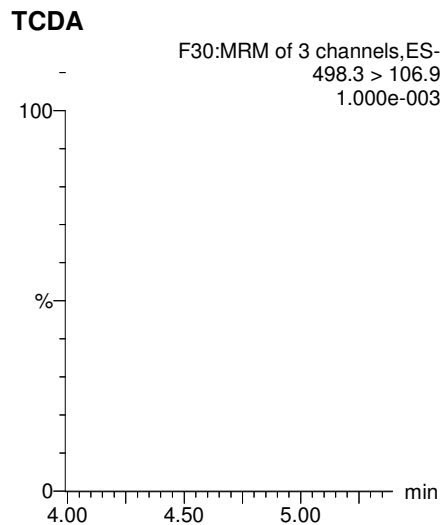
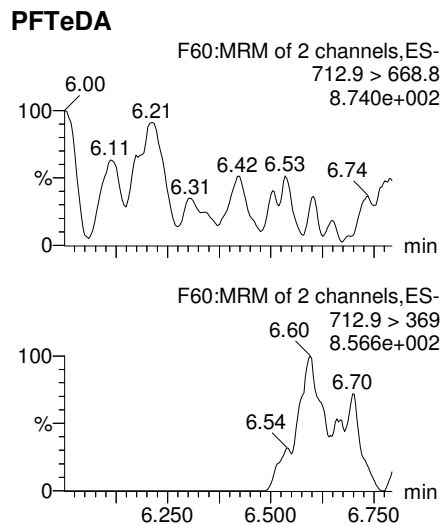
**13C2-PFDoA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-18.qld

Last Altered: Thursday, March 15, 2018 15:32:06 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 15:33:23 Pacific Daylight Time

Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018



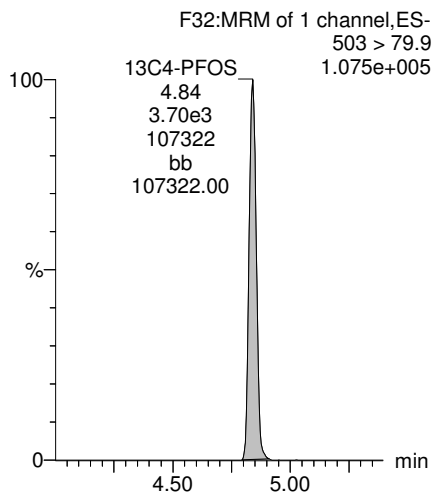
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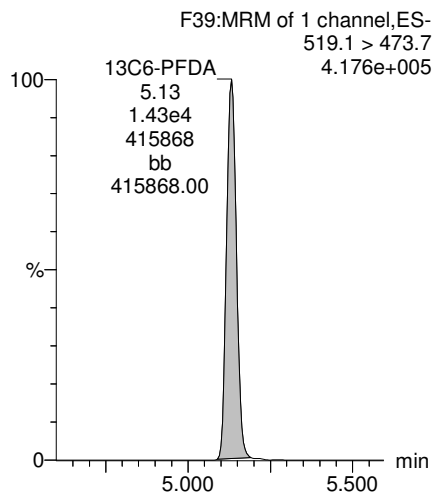
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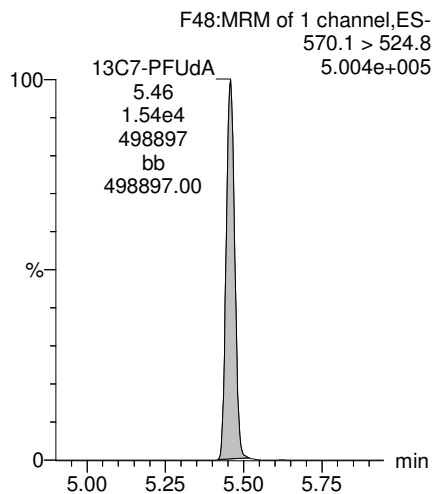
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-6.qld

Last Altered: Wednesday, March 21, 2018 13:02:19 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 13:59:59 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_6, Date: 20-Mar-2018, Time: 16:56:00, ID: 1800356-01RE1 WI-AF-SB-FB-022018 0.10978, Description: WI-AF-SB-FB-022018

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDoA	612.9 > 569.0		6.02e3		0.1098	5.84				
2	50 13C2-PFDoA	615.0 > 569.7	6.02e3	1.17e4	0.879	0.1098	5.84	5.69	6.42	66.5	58.4
3	64 13C7-PFUdA	570.1 > 524.8	1.17e4	1.17e4	1.000	0.1098	5.56	5.41	12.5	114	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-6.qld

Last Altered: Wednesday, March 21, 2018 13:02:19 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 13:59:59 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

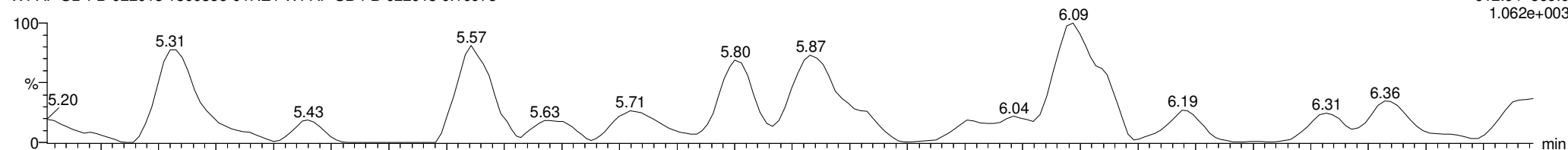
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Name: 180320M2\_6, Date: 20-Mar-2018, Time: 16:56:00, ID: 1800356-01RE1 WI-AF-SB-FB-022018 0.10978, Description: WI-AF-SB-FB-022018

### PFD<sub>o</sub>A

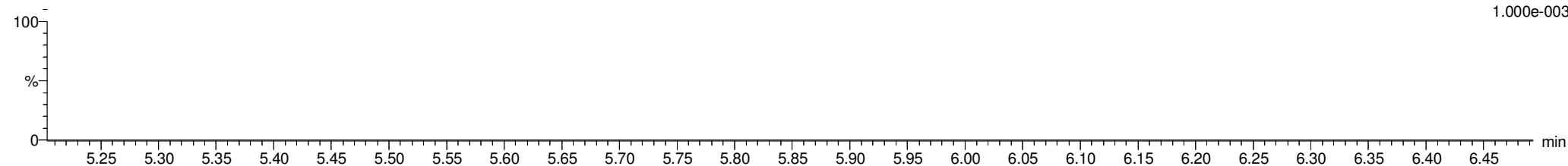
180320M2\_6 Smooth(Mn,1x2)  
WI-AF-SB-FB-022018 1800356-01RE1 WI-AF-SB-FB-022018 0.10978

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
1.062e+003



180320M2\_6 Smooth(Mn,1x2)  
WI-AF-SB-FB-022018 1800356-01RE1 WI-AF-SB-FB-022018 0.10978

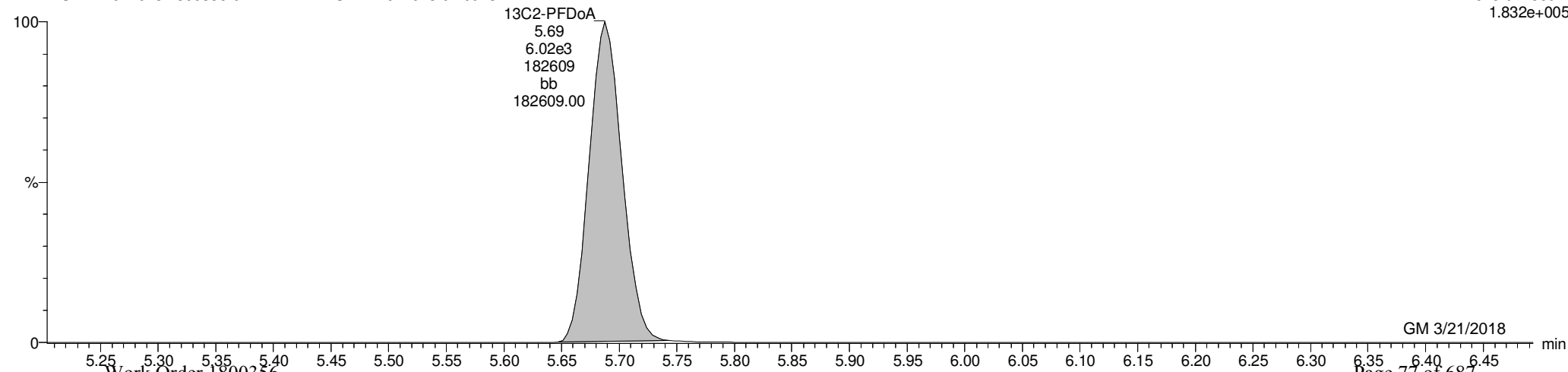
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.000e-003



### 13C2-PFD<sub>o</sub>A

180320M2\_6 Smooth(Mn,1x2)  
WI-AF-SB-FB-022018 1800356-01RE1 WI-AF-SB-FB-022018 0.10978

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
1.832e+005





Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-6.qld

Last Altered: Wednesday, March 21, 2018 13:02:19 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 13:59:59 Pacific Daylight Time

Name: 180320M2\_6, Date: 20-Mar-2018, Time: 16:56:00, ID: 1800356-01RE1 WI-AF-SB-FB-022018 0.10978, Description: WI-AF-SB-FB-022018

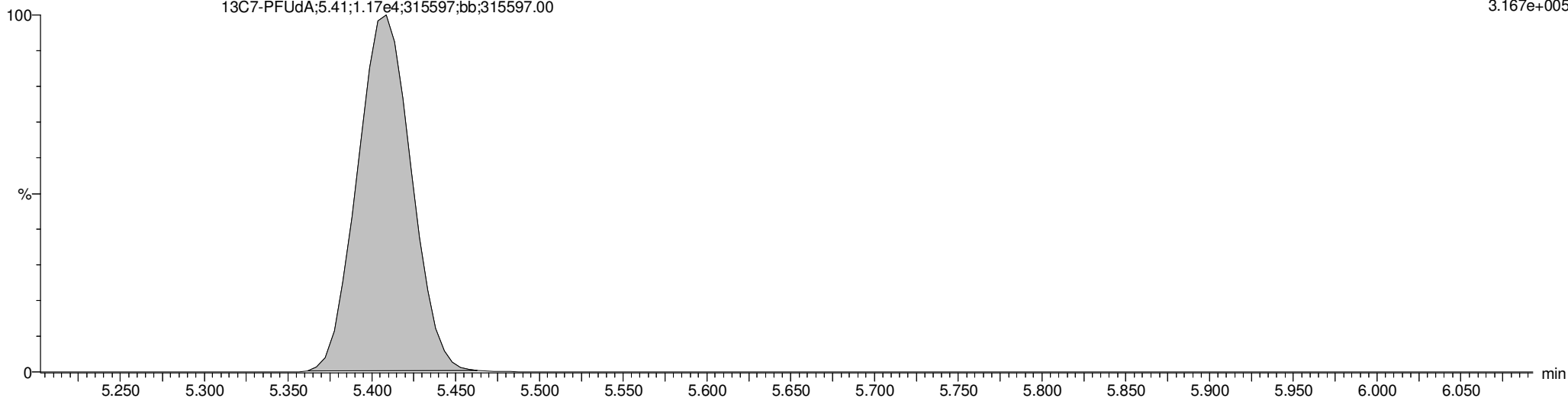
**13C7-PFUdA**

180320M2\_6 Smooth(Mn,1x2)

WI-AF-SB-FB-022018 1800356-01RE1 WI-AF-SB-FB-022018 0.10978

13C7-PFUdA;5.41;1.17e4;315597;bb;315597.00

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.167e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

Last Altered: Thursday, March 15, 2018 15:37:32 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:38:52 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.45e3	0.120		2.98				
2	5 PFHxA	313.2 > 268.9		3.99e3	0.120		3.48				
3	7 PFHpA	363.0 > 318.9		9.75e3	0.120		4.10				
4	8 L-PFHxS	398.9 > 79.6	2.04e0	1.12e3	0.120		4.24	3.97	0.0227	0.1906	
5	11 L-PFOA	413 > 368.7		1.47e4	0.120		4.45				
6	14 PFNA	463.0 > 418.8		1.30e4	0.120		5.04				
7	16 L-PFOS	499 > 79.9		3.27e3	0.120		4.84				
8	18 PFDA	513 > 468.8		1.24e4	0.120		5.40				
9	21 N-MeFOSAA	570.1 > 419		4.92e3	0.120		5.55				
10	22 N-EtFOSAA	584.2 > 419		4.69e3	0.120		5.70				
11	23 PFUdA	563.0 > 518.9		1.30e4	0.120		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

Last Altered: Thursday, March 15, 2018 15:37:32 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	27 PFTrDA	662.9 > 618.9		1.07e4	0.120		6.22				
2	28 PFTeDA	712.9 > 668.8		1.03e4	0.120		6.41				
3	36 13C3-PFBS	302. > 98.8	1.45e3	1.40e4	0.120	0.101	2.98	2.69	1.29	106.5115	102.0
4	37 13C2-PFHxA	315 > 269.8	3.99e3	1.40e4	0.120	0.744	3.48	3.19	3.55	39.8889	95.5
5	38 13C4-PFHpA	367.2 > 321.8	9.75e3	1.40e4	0.120	0.740	4.10	3.80	8.68	98.0251	93.8
6	39 18O2-PFHxS	403.0 > 102.6	1.12e3	2.87e3	0.120	0.424	4.24	3.95	4.88	96.1555	92.1
7	40 13C2-6:2 FTS	429.1 > 408.9	2.74e3	1.36e4	0.120	0.254	4.56	4.26	2.52	82.8823	79.3
8	41 13C2-PFOA	414.9 > 369.7	1.47e4	1.36e4	0.120	1.129	4.61	4.32	13.5	100.1079	95.8
9	42 13C5-PFNA	468.2 > 422.9	1.30e4	1.48e4	0.120	1.006	5.04	4.76	10.9	90.8178	86.9
10	43 13C8-PFOSA	506.1 > 77.7	1.65e3	1.64e4	0.120	0.182	5.09	4.84	1.26	57.9820	55.5
11	44 13C8-PFOS	507.0 > 79.9	3.27e3	3.07e3	0.120	1.049	5.11	4.84	13.3	106.3292	101.8
12	45 13C2-PFDA	515.1 > 469.9	1.24e4	1.50e4	0.120	1.082	5.40	5.13	10.4	80.1116	76.7
13	46 13C2-8:2 FTS	529.1 > 508.7	1.93e3	1.40e4	0.120	0.161	5.38	5.11	1.72	89.3154	85.5
14	47 d3-N-MeFOSAA	573.3 > 419	4.92e3	1.64e4	0.120	0.426	5.55	5.28	3.75	73.6435	70.5
15	48 d5-N-EtFOSAA	589.3 > 419	4.69e3	1.64e4	0.120	0.459	5.70	5.44	3.57	65.0301	62.3
16	49 13C2-PFUdA	565 > 519.8	1.30e4	1.64e4	0.120	1.051	5.72	5.45	9.92	78.9084	75.5
17	50 13C2-PFDoA	615.0 > 569.7	1.07e4	1.64e4	0.120	0.827	5.99	5.74	8.18	82.6164	79.1
18	51 d3-N-MeFOSA	515.2 > 168.9		1.64e4	0.120	0.107	5.93				
19	52 13C2-PFTeDA	714.8 > 669.6	1.03e4	1.64e4	0.120	0.514	6.41	6.21	7.82	127.0902	121.7
20	53 d5-N-ETFOSA	531.1 > 168.9		1.64e4	0.120	0.152	6.25				
21	54 13C2-PFHxDA	815 > 769.7	7.78e3	1.64e4	0.120	1.185	6.69	6.55	5.93	41.8114	100.1
22	55 d7-N-MeFOSE	623.1 > 58.9		1.64e4	0.120	0.122	6.31				
23	56 d9-N-EtFOSE	639.2 > 58.8		1.64e4	0.120	0.109	6.45				
24	57 13C4-PFBA	217. > 171.8	8.73e3	8.73e3	0.120	1.000	1.73	1.45	12.5	104.4539	100.0
25	58 13C5-PFHxA	318 > 272.9	1.40e4	1.40e4	0.120	1.000	3.48	3.19	12.5	104.4539	100.0
26	59 13C3-PFHxS	401.9 > 79.9	2.87e3	2.87e3	0.120	1.000	4.24	3.95	12.5	104.4539	100.0
27	60 13C8-PFOA	421.3 > 376	1.36e4	1.36e4	0.120	1.000	4.61	4.32	12.5	104.4539	100.0
28	61 13C9-PFNA	472.2 > 426.9	1.48e4	1.48e4	0.120	1.000	4.70	4.76	12.5	104.4539	100.0
29	62 13C4-PFOS	503 > 79.9	3.07e3	3.07e3	0.120	1.000	5.11	4.84	12.5	104.4539	100.0
30	63 13C6-PFDA	519.1 > 473.7	1.50e4	1.50e4	0.120	1.000	5.40	5.13	12.5	104.4539	100.0
31	64 13C7-PFUdA	570.1 > 524.8	1.64e4	1.64e4	0.120	1.000	5.72	5.46	12.5	104.4539	100.0
32	65 Total PFHxS	398.9 > 79.6	2.04e0	1.12e3	0.120		4.24		0.0227	0.1906	

AD 3/15/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

Last Altered: Thursday, March 15, 2018 15:37:32 Pacific Daylight Time

Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total PFOA	413 > 368.7	0.00e0	1.47e4	0.120		4.61		0.000		
34	67 Total PFOS	499 > 79.9	0.00e0	3.27e3	0.120		5.11		0.000		
35	68 Total N-MeFOSAA	570.1 > 419	0.00e0	4.92e3	0.120		5.55		0.000		
36	69 Total N-EtFOSAA	584.2 > 419	0.00e0	4.69e3	0.120		5.70		0.000		

Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

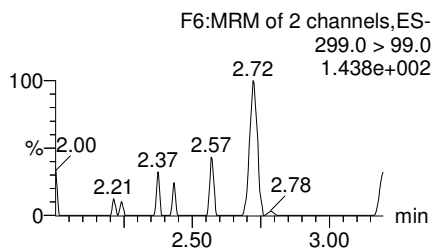
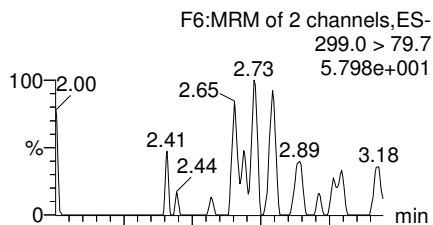
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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

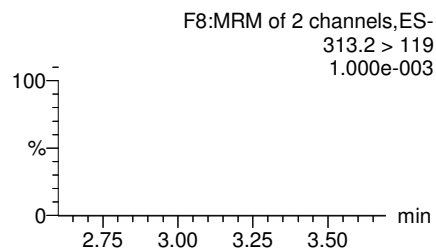
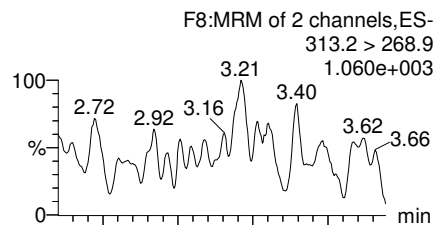
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Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

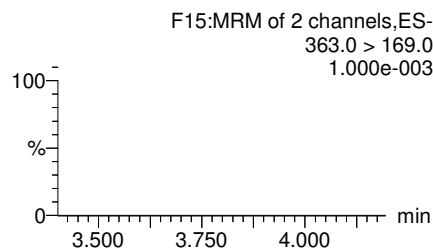
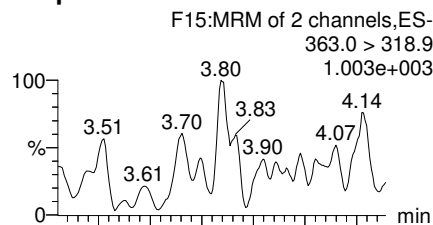
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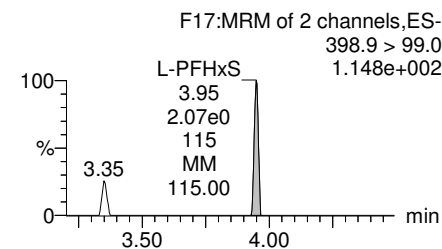
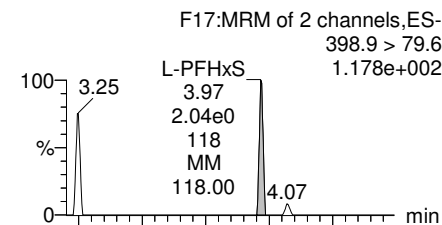
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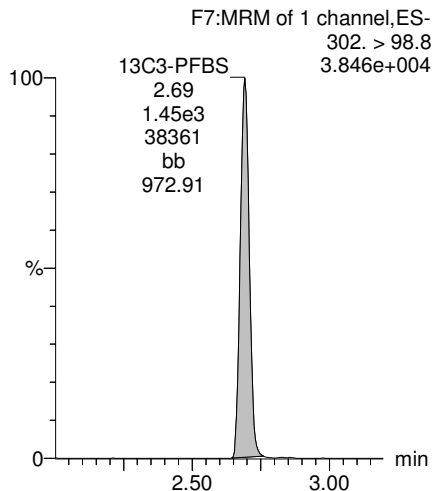
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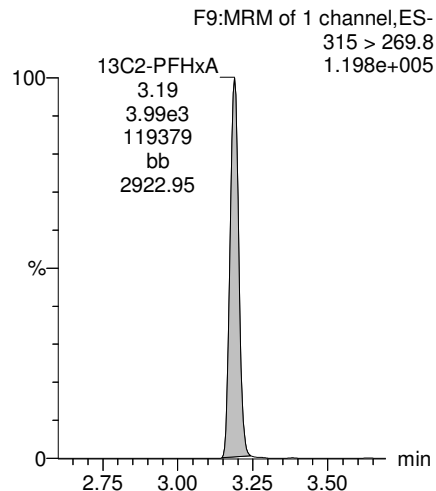
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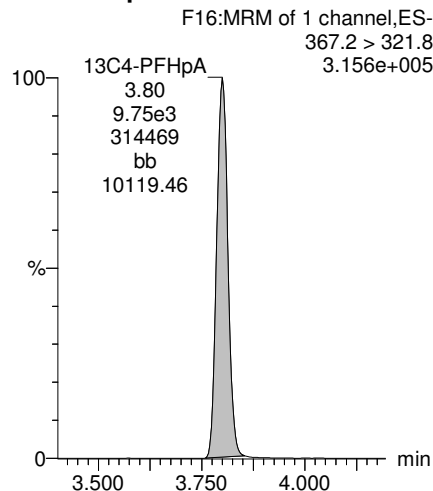
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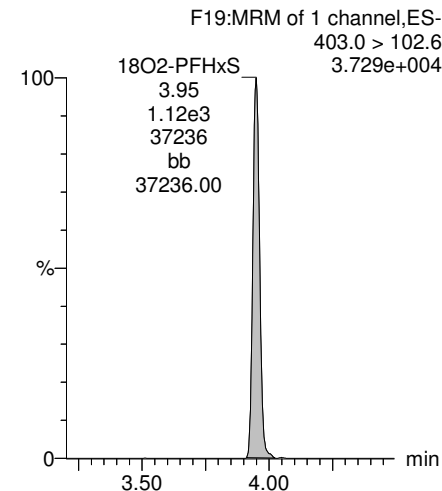
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**13C4-PFHpA**



**18O2-PFHxS**

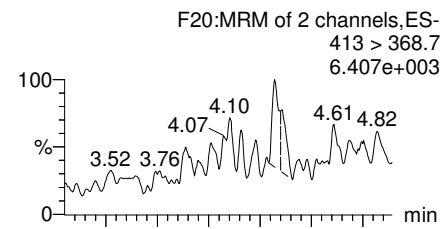


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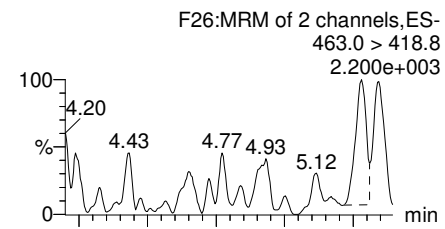
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Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

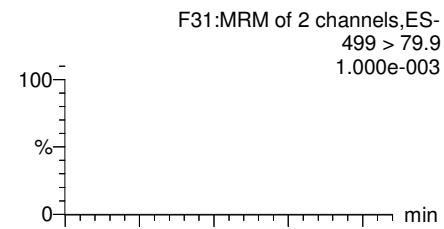
**Total PFOA**



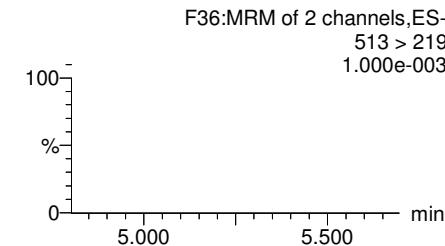
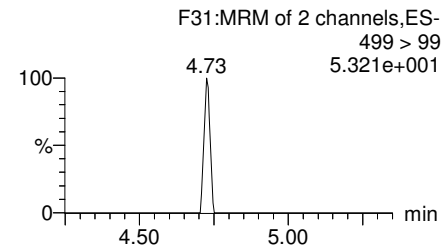
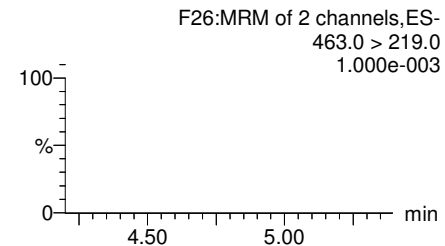
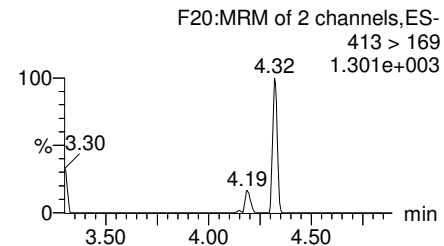
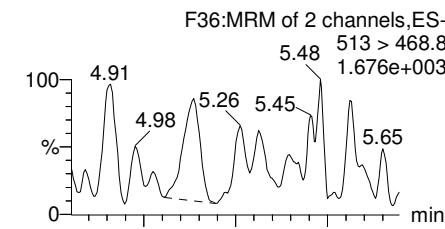
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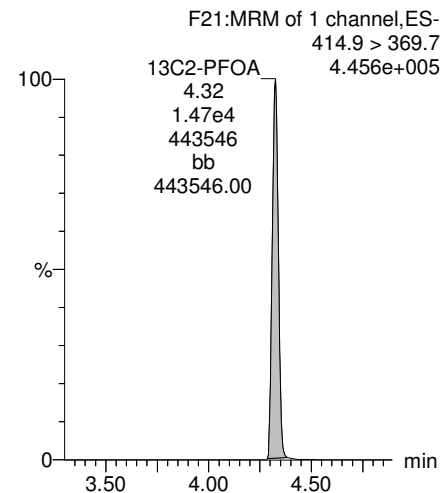
**Total PFOS**



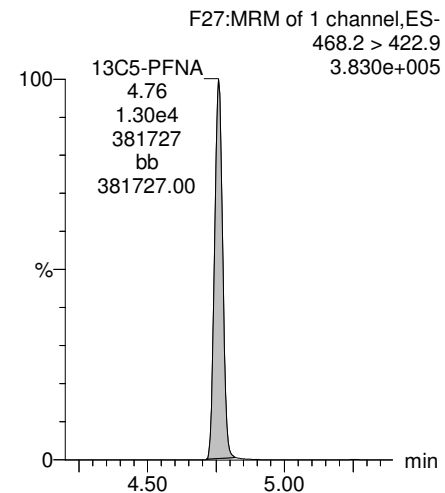
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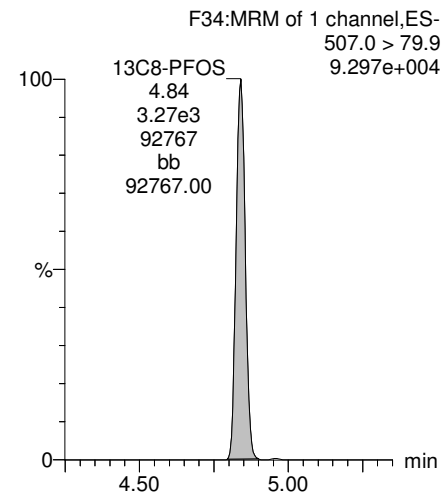
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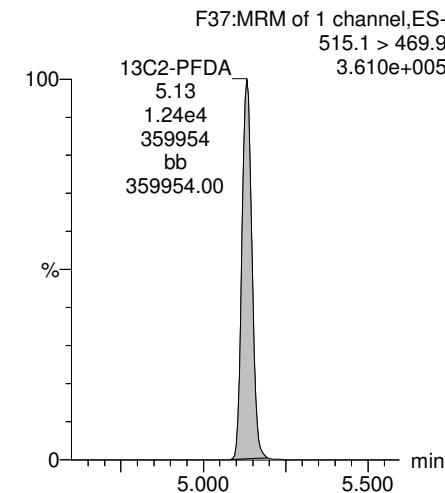
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

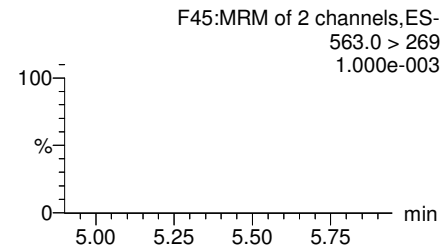
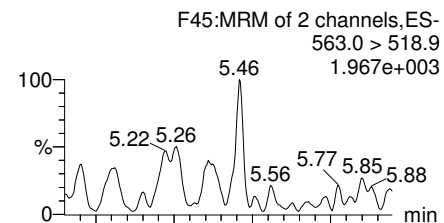


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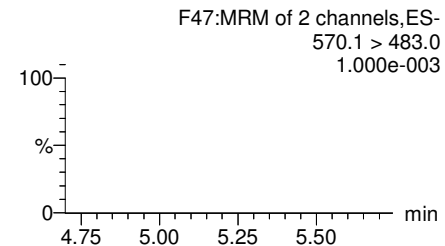
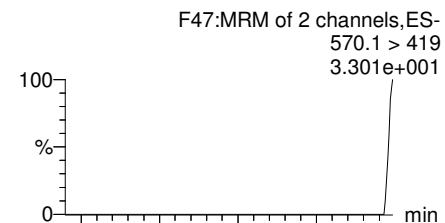
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Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

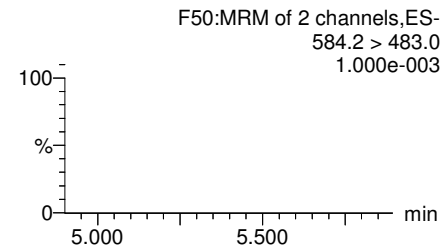
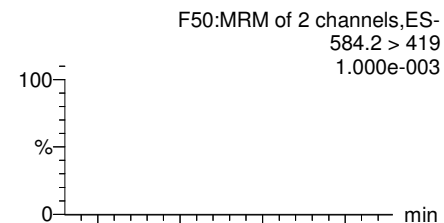
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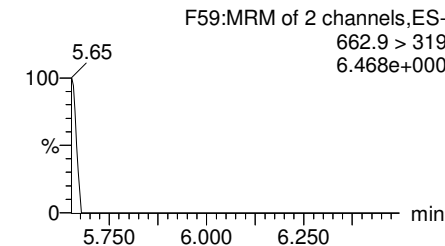
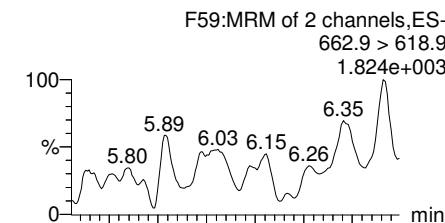
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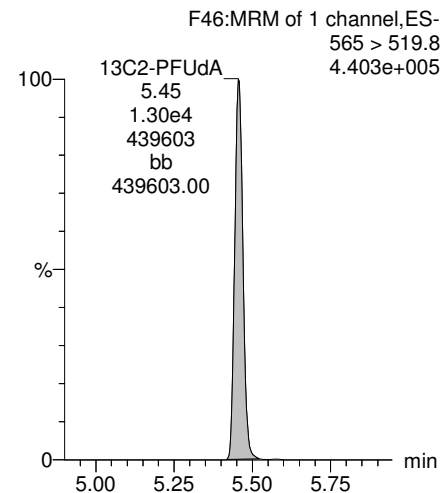
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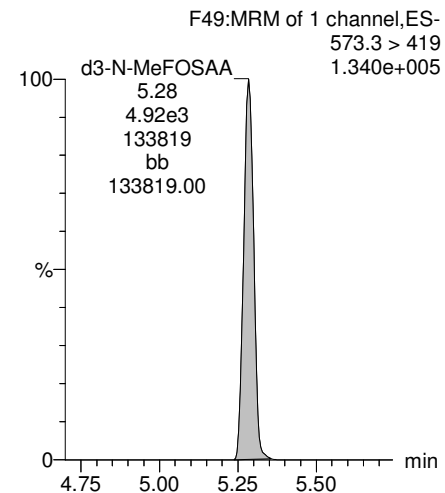
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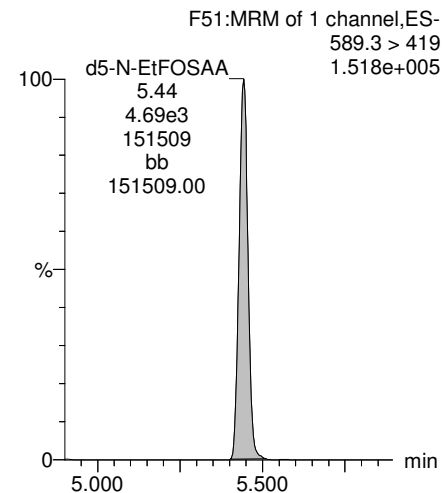
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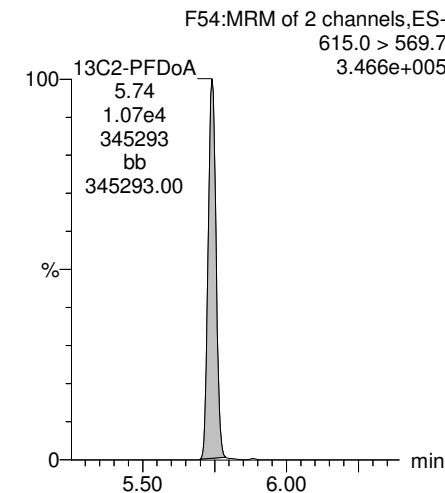
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**d5-N-EtFOSAA**



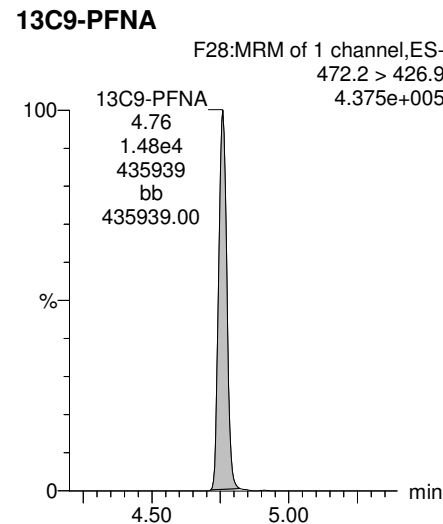
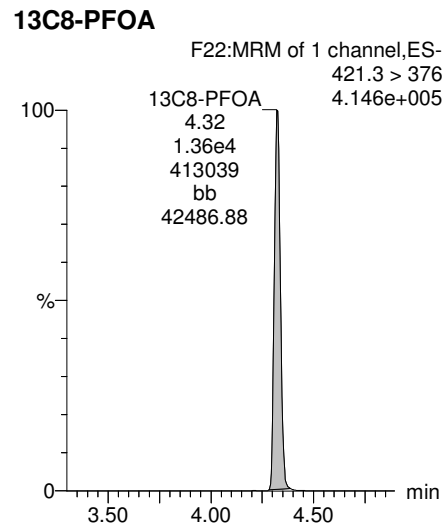
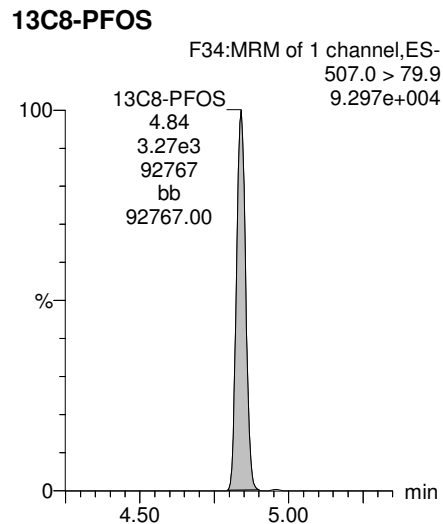
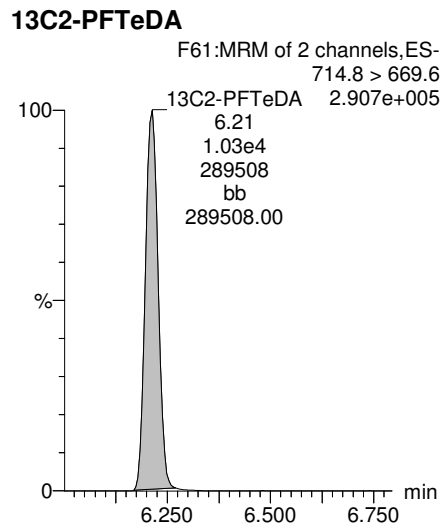
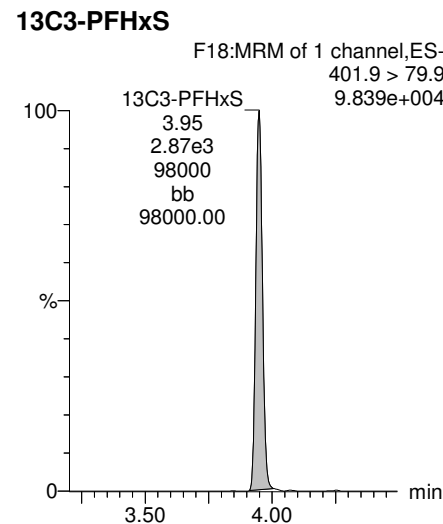
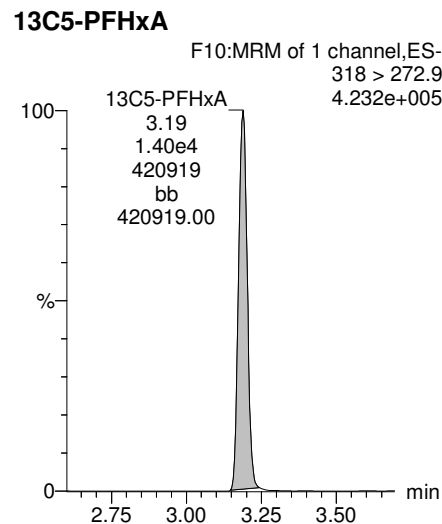
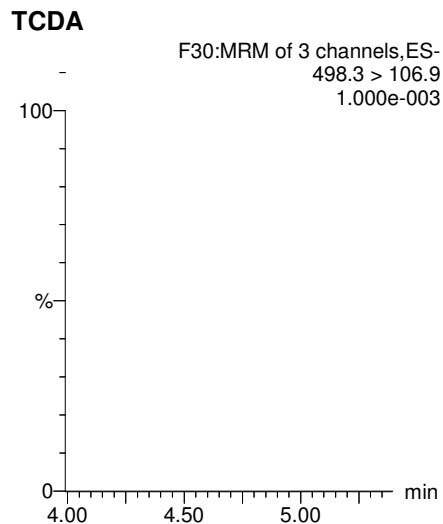
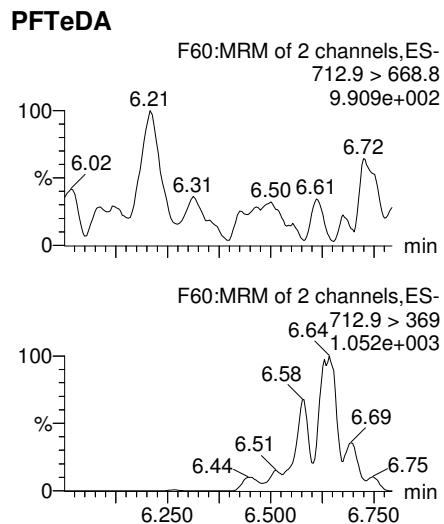
**13C2-PFDoA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

Last Altered: Thursday, March 15, 2018 15:37:32 Pacific Daylight Time  
Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218





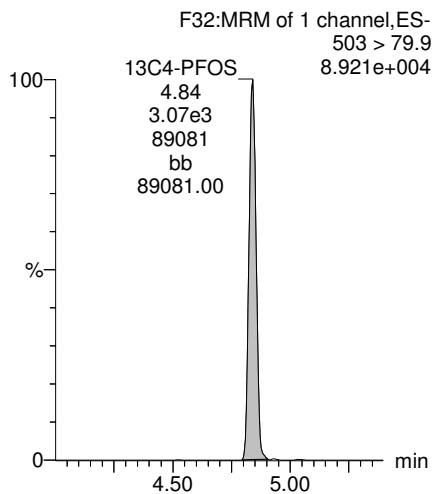
Dataset: Z:\Projects\PFAS.PRO\Results\180307M2\180307M2-19.qld

Last Altered: Thursday, March 15, 2018 15:37:32 Pacific Daylight Time

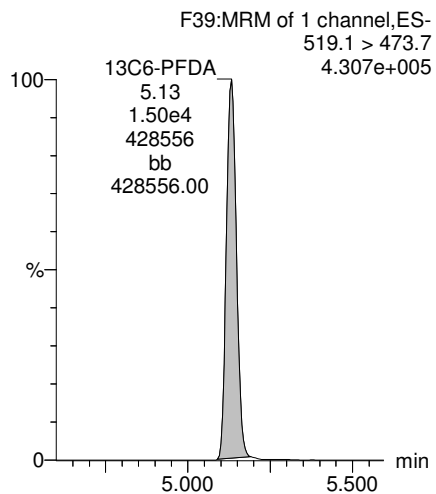
Printed: Thursday, March 15, 2018 15:38:43 Pacific Daylight Time

Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967, Description: WI-AF-EB11-SO-0218

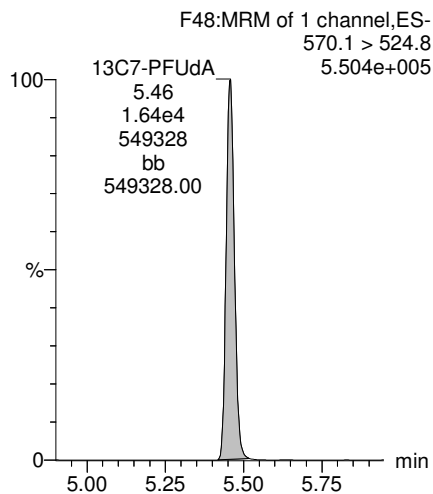
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-7.qld

Last Altered: Wednesday, March 21, 2018 13:04:28 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:52 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_7, Date: 20-Mar-2018, Time: 17:07:27, ID: 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714, Description: WI-AF-EB11-SO-0218

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDaA	612.9 > 569.0		7.21e3		0.1171	5.84				
2	50 13C2-PFDaA	615.0 > 569.7	7.21e3	1.12e4	0.879	0.1171	5.84	5.69	8.07	78.4	73.4
3	64 13C7-PFUdA	570.1 > 524.8	1.12e4	1.12e4	1.000	0.1171	5.56	5.41	12.5	107	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-7.qld

Last Altered: Wednesday, March 21, 2018 13:04:28 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:52 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

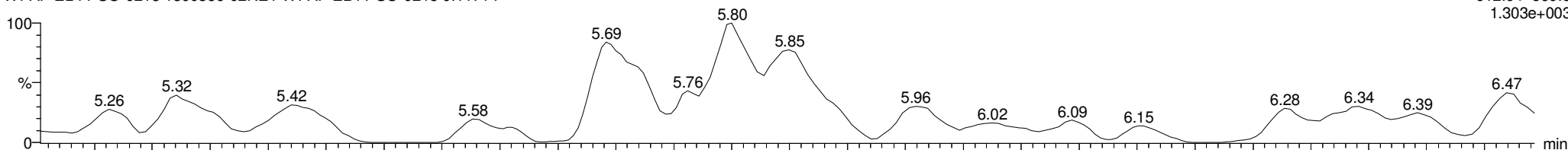
Name: 180320M2\_7, Date: 20-Mar-2018, Time: 17:07:27, ID: 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714, Description: WI-AF-EB11-SO-0218

### PFDoA

180320M2\_7 Smooth(Mn,1x2)

WI-AF-EB11-SO-0218 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714

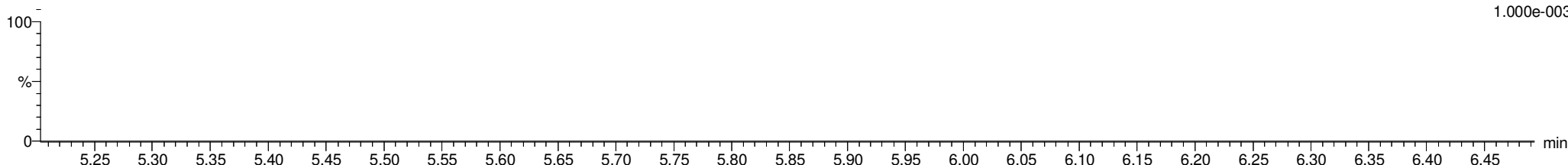
F53:MRM of 4 channels,ES-  
612.9 > 569.0  
1.303e+003



180320M2\_7 Smooth(Mn,1x2)

WI-AF-EB11-SO-0218 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714

F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.000e-003

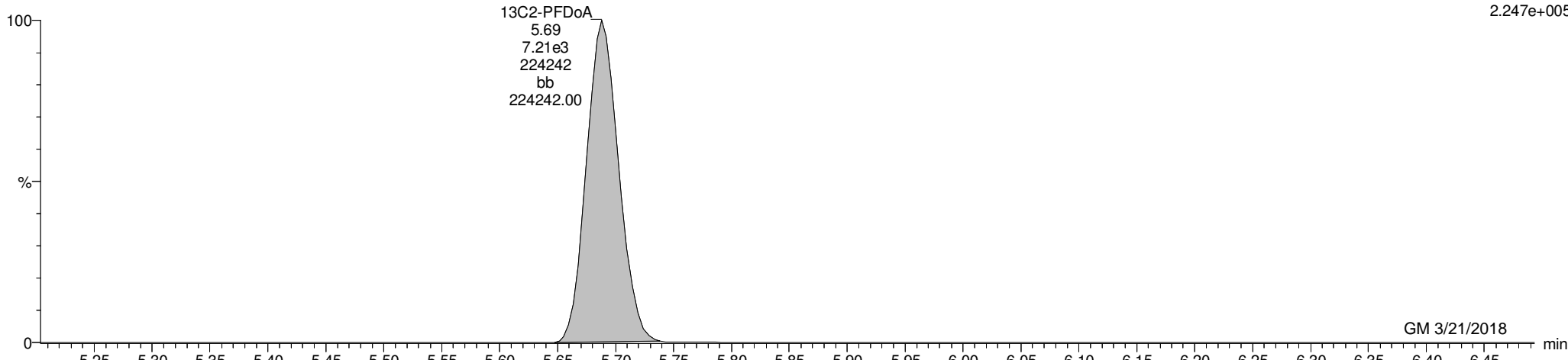


### 13C2-PFDoA

180320M2\_7 Smooth(Mn,1x2)

WI-AF-EB11-SO-0218 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
2.247e+005



13C2-PFDoA  
5.69  
7.21e3  
224242  
bb  
224242.00

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-7.qld

Last Altered: Wednesday, March 21, 2018 13:04:28 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:01:52 Pacific Daylight Time

Name: 180320M2\_7, Date: 20-Mar-2018, Time: 17:07:27, ID: 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714, Description: WI-AF-EB11-SO-0218

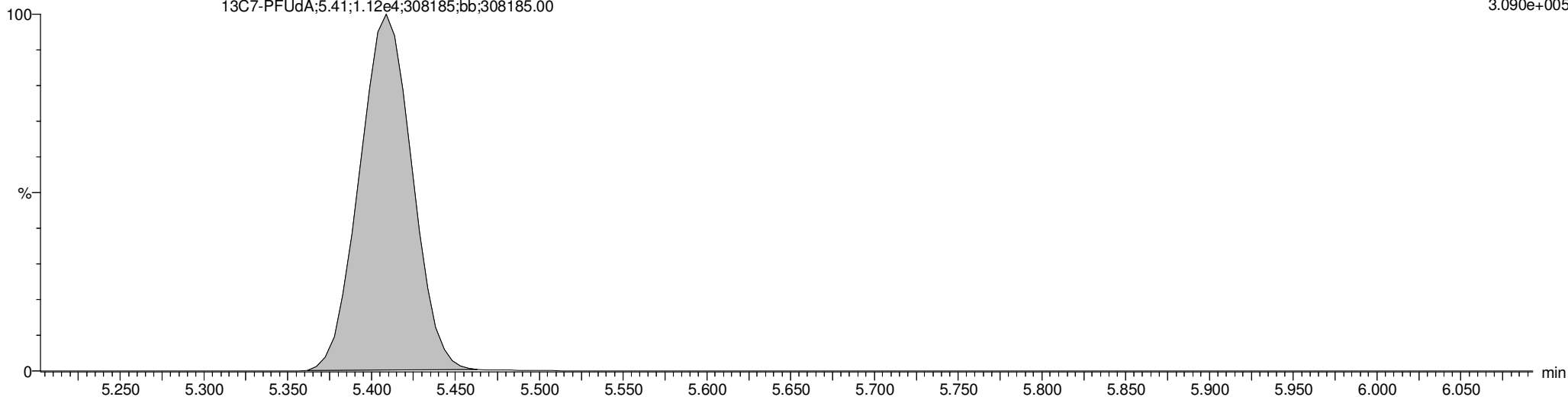
13C7-PFUdA

180320M2\_7 Smooth(Mn,1x2)

WI-AF-EB11-SO-0218 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714

13C7-PFUdA;5.41;1.12e4;308185;bb;308185.00

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.090e+005



**SAMPLE DATA – VAL - PFAS**

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time

Printed: Friday, March 09, 2018 13:46:39 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.98e3	1.00		2.98				
2	5 PFHxA	313.2 > 268.9		5.12e3	1.00		3.48				
3	7 PFHpA	363.0 > 318.9		1.24e4	1.00		4.10				
4	8 L-PFHxS	398.9 > 79.6	5.82e0	1.89e3	1.00		4.24	3.94	0.0385		
5	11 L-PFOA	413 > 368.7		1.70e4	1.00		4.45				
6	14 PFNA	463.0 > 418.8		1.51e4	1.00		5.04				
7	16 L-PFOS	499 > 79.9	2.15e1	4.83e3	1.00		4.84	4.73	0.0556	0.2789	
8	18 PFDA	513 > 468.8		1.39e4	1.00		5.40				
9	21 N-MeFOSAA	570.1 > 419		5.31e3	1.00		5.55				
10	22 N-EtFOSAA	584.2 > 419		5.86e3	1.00		5.70				
11	23 PFUdA	563.0 > 518.9		1.78e4	1.00		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time

Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDa	612.9 > 569.0		1.22e4	1.00		5.99				
2	27 PFTrDA	662.9 > 618.9		1.22e4	1.00		6.22				
3	28 PFTeDA	712.9 > 668.8		8.77e3	1.00		6.41				
4	36 13C3-PFBS	302. > 98.8	1.98e3	2.02e4	1.00	0.096	2.98	2.68	1.22	12.7198	101.8
5	37 13C2-PFHxA	315 > 269.8	5.12e3	2.02e4	1.00	0.697	3.48	3.18	3.16	4.5348	90.7
6	38 13C4-PFHpA	367.2 > 321.8	1.24e4	2.02e4	1.00	0.683	4.10	3.79	7.65	11.1995	89.6
7	39 18O2-PFHxS	403.0 > 102.6	1.89e3	4.65e3	1.00	0.387	4.24	3.94	5.07	13.0930	104.7
8	40 13C2-6:2 FTS	429.1 > 408.9	4.29e3	1.87e4	1.00	0.238	4.56	4.26	2.86	12.0262	96.2
9	41 13C2-PFOA	414.9 > 369.7	1.70e4	1.87e4	1.00	1.079	4.61	4.32	11.4	10.5356	84.3
10	42 13C5-PFNA	468.2 > 422.9	1.51e4	2.09e4	1.00	0.853	5.04	4.75	9.06	10.6250	85.0
11	43 13C8-PFOSA	506.1 > 77.7	1.56e3	2.20e4	1.00	0.159	5.09	4.83	0.886	5.5594	44.5 <sup>H</sup>
12	44 13C8-PFOS	507.0 > 79.9	4.83e3	5.44e3	1.00	0.934	5.11	4.84	11.1	11.8693	95.0
13	45 13C2-PFDA	515.1 > 469.9	1.39e4	1.98e4	1.00	0.898	5.40	5.13	8.81	9.8012	78.4
14	46 13C2-8:2 FTS	529.1 > 508.7	2.98e3	2.02e4	1.00	0.170	5.38	5.10	1.84	10.8426	86.7
15	47 d3-N-MeFOSAA	573.3 > 419	5.31e3	2.20e4	1.00	0.372	5.55	5.28	3.02	8.1153	64.9
16	48 d5-N-EtFOSAA	589.3 > 419	5.86e3	2.20e4	1.00	0.385	5.70	5.44	3.33	8.6622	69.3
17	49 13C2-PFUdA	565 > 519.8	1.78e4	2.20e4	1.00	0.961	5.72	5.45	10.1	10.5247	84.2
18	50 13C2-PFDoA	615.0 > 569.7	1.22e4	2.20e4	1.00	0.864	5.99	5.74	6.95	8.0488	64.4
19	51 d3-N-MeFOSA	515.2 > 168.9		2.20e4	1.00	0.080	5.93				
20	52 13C2-PFTeDA	714.8 > 669.6	8.77e3	2.20e4	1.00	0.692	6.41	6.21	4.99	7.2148	57.7
21	53 d5-N-ETFOSA	531.1 > 168.9		2.20e4	1.00	0.113	6.25				
22	54 13C2-PFHxDA	815 > 769.7	7.34e3	2.20e4	1.00	1.397	6.69	6.54	4.18	2.9900	59.8
23	55 d7-N-MeFOSE	623.1 > 58.9		2.20e4	1.00	0.090	6.31				
24	56 d9-N-EtFOSE	639.2 > 58.8		2.20e4	1.00	0.084	6.45				
25	57 13C4-PFBA	217. > 171.8	1.28e4	1.28e4	1.00	1.000	1.73	1.44	12.5	12.5000	100.0
26	58 13C5-PFHxA	318 > 272.9	2.02e4	2.02e4	1.00	1.000	3.48	3.18	12.5	12.5000	100.0
27	59 13C3-PFHxS	401.9 > 79.9	4.65e3	4.65e3	1.00	1.000	4.24	3.94	12.5	12.5000	100.0
28	60 13C8-PFOA	421.3 > 376	1.87e4	1.87e4	1.00	1.000	4.61	4.32	12.5	12.5000	100.0
29	61 13C9-PFNA	472.2 > 426.9	2.09e4	2.09e4	1.00	1.000	4.70	4.75	12.5	12.5000	100.0
30	62 13C4-PFOS	503 > 79.9	5.44e3	5.44e3	1.00	1.000	5.11	4.84	12.5	12.5000	100.0
31	63 13C6-PFDA	519.1 > 473.7	1.98e4	1.98e4	1.00	1.000	5.40	5.13	12.5	12.5000	100.0
32	64 13C7-PFUdA	570.1 > 524.8	2.20e4	2.20e4	1.00	1.000	5.72	5.45	12.5	12.5000	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time

Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	5.82e0	1.89e3	1.00		4.24		0.000		
34	66 Total PFOA	413 > 368.7	0.00e0	1.70e4	1.00		4.61		0.000		
35	67 Total PFOS	499 > 79.9	2.15e1	4.83e3	1.00		5.11		0.0556	0.2789	



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

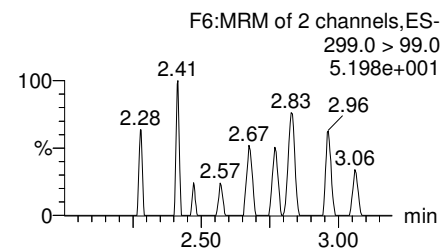
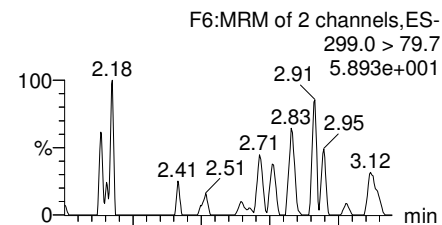
Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

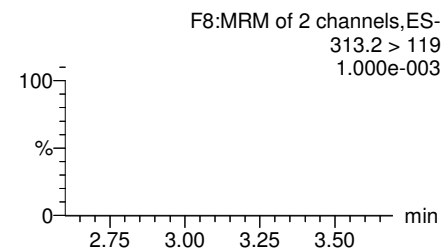
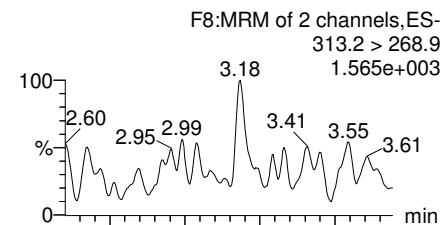
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Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

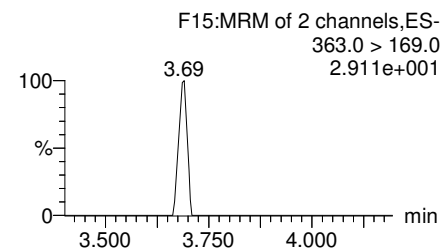
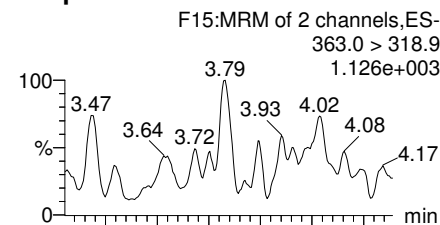
**PFBS**



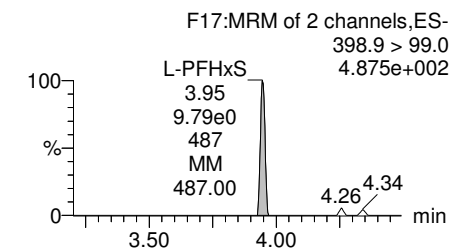
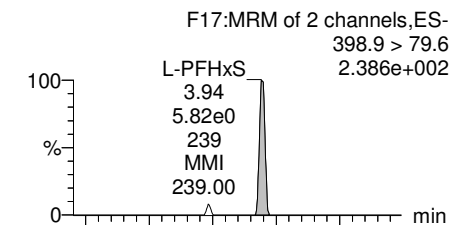
**PFHxA**



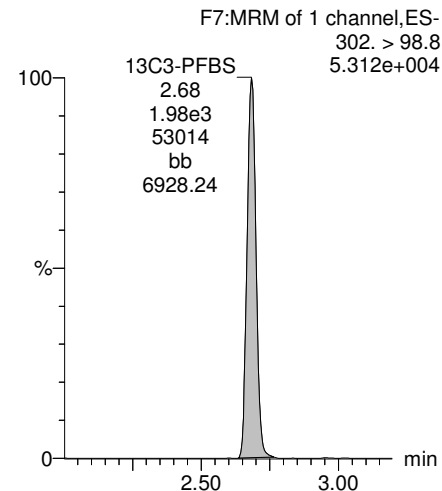
**PFHpA**



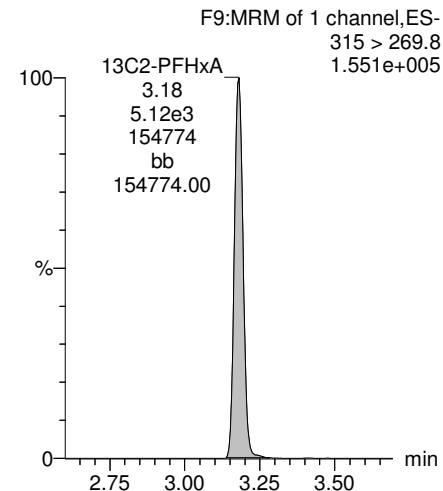
**Total PFHxS**



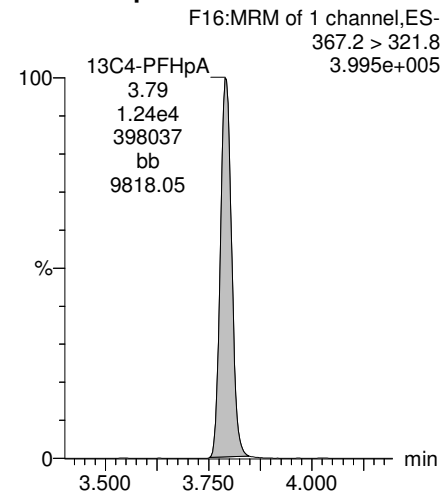
**13C3-PFBS**



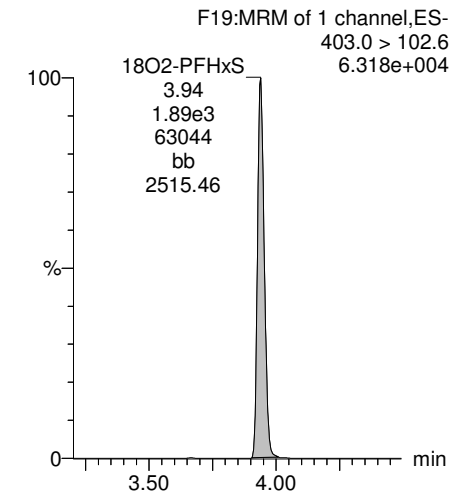
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

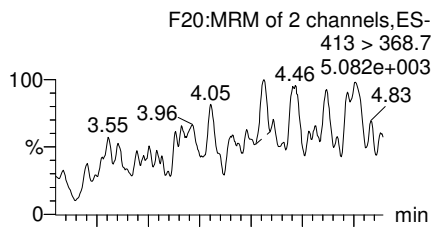


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

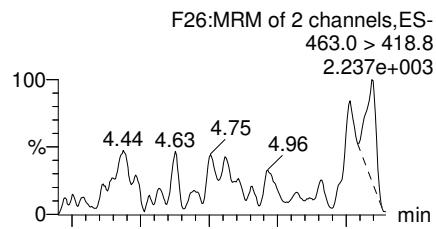
Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

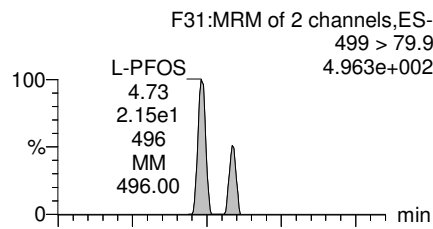
**Total PFOA**



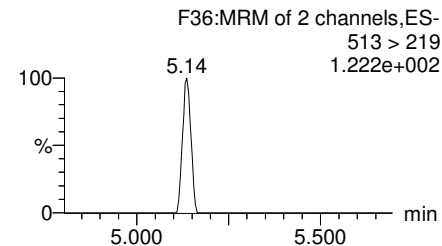
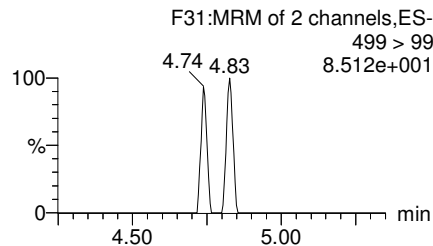
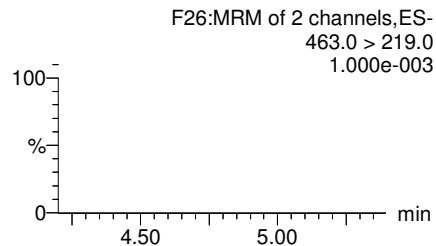
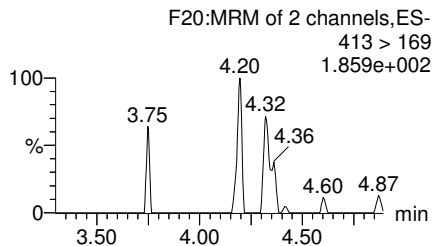
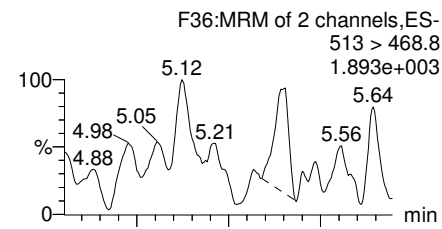
**PFNA**



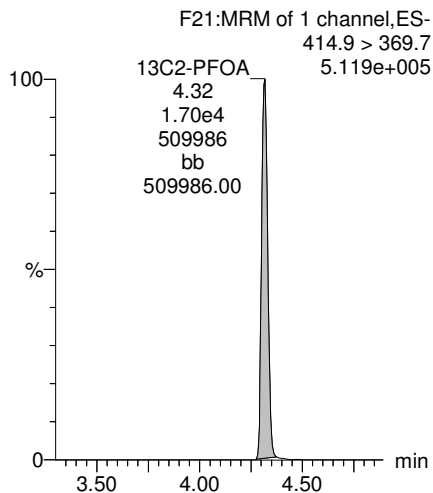
**Total PFOS**



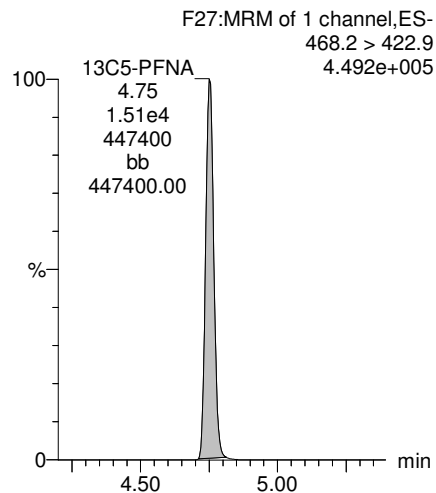
**PFDA**



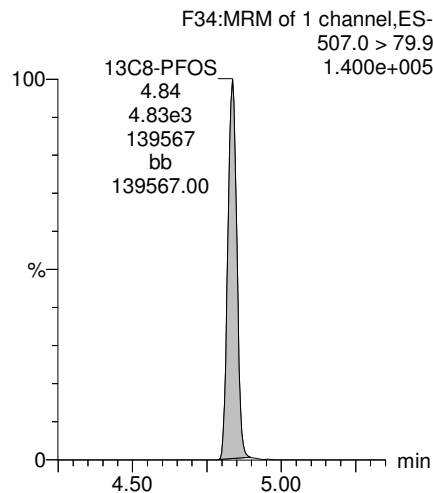
**13C2-PFOA**



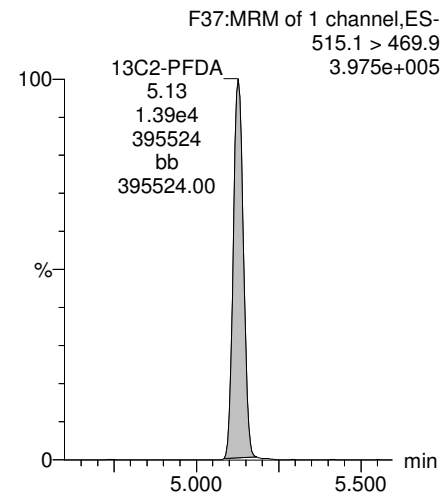
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**



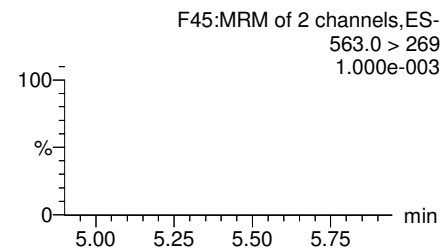
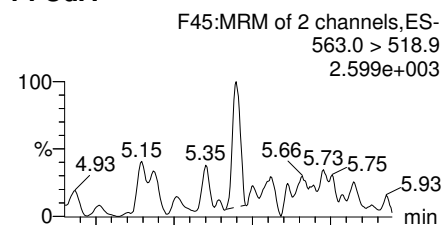
Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time

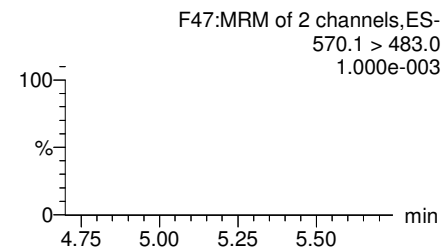
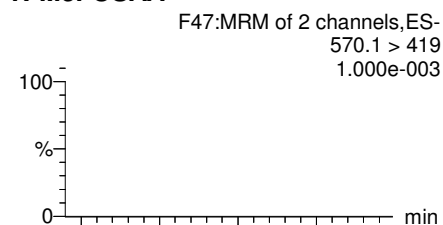
Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

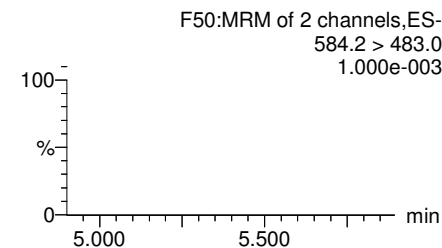
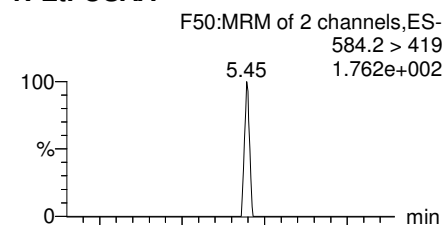
**PFUdA**



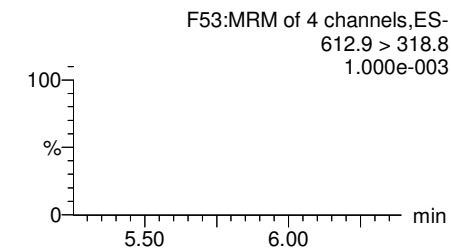
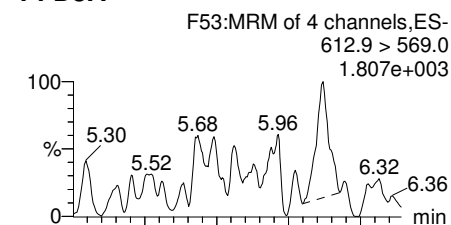
**N-MeFOSAA**



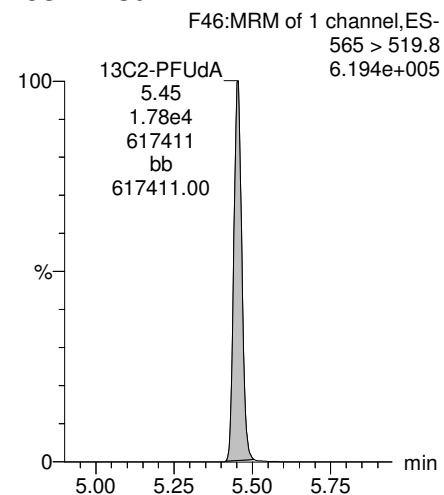
**N-EtFOSAA**



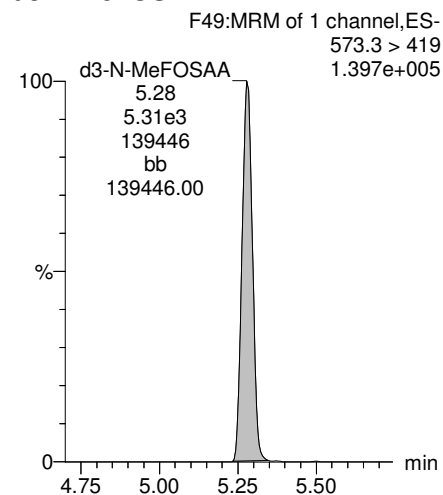
**PFDoA**



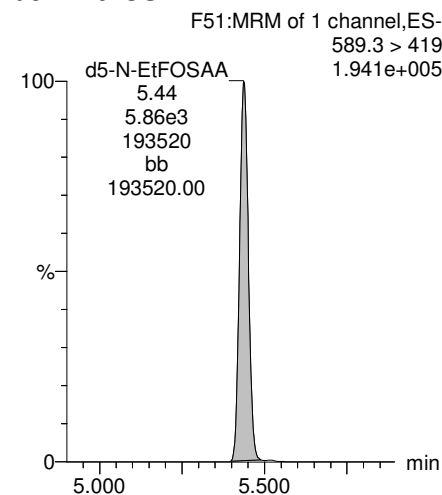
**13C2-PFUdA**



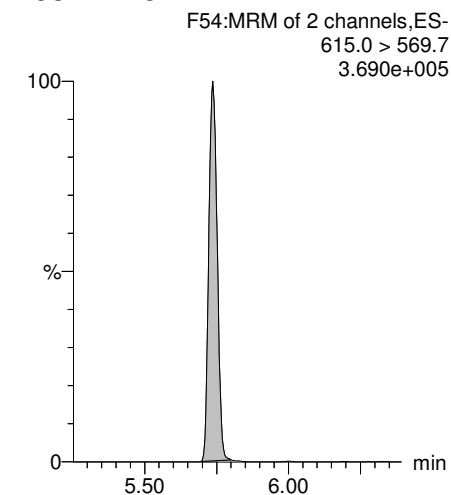
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



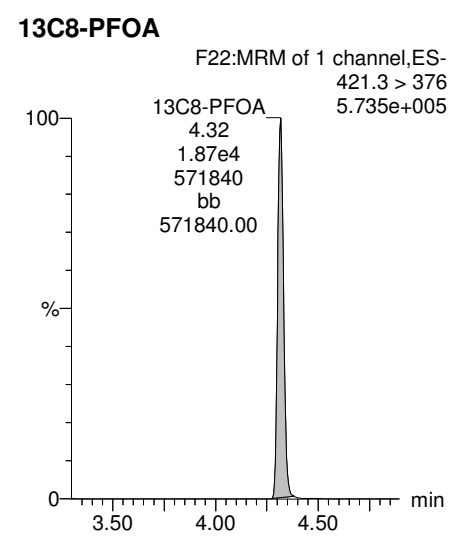
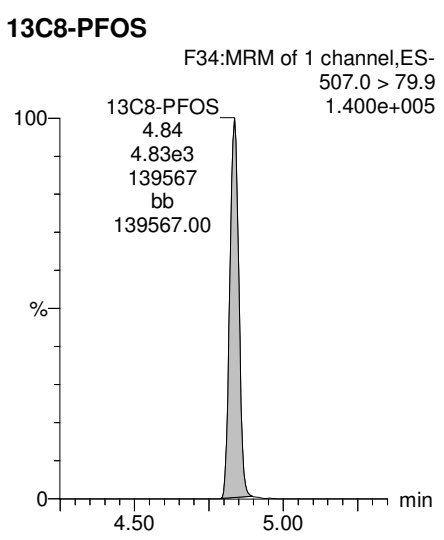
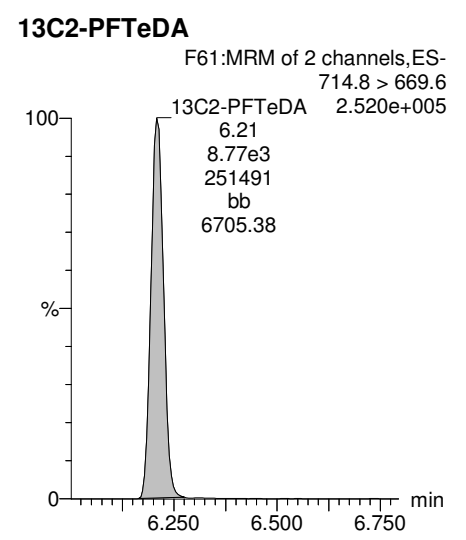
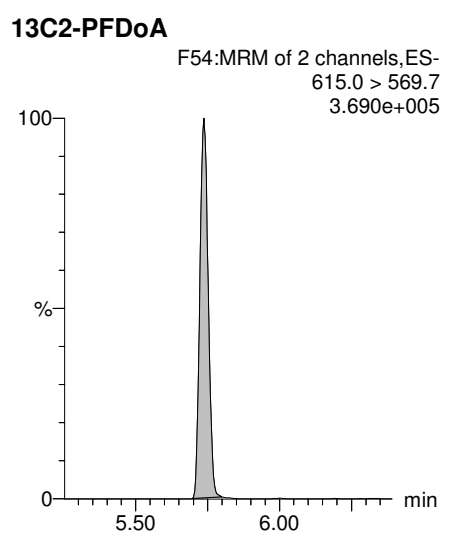
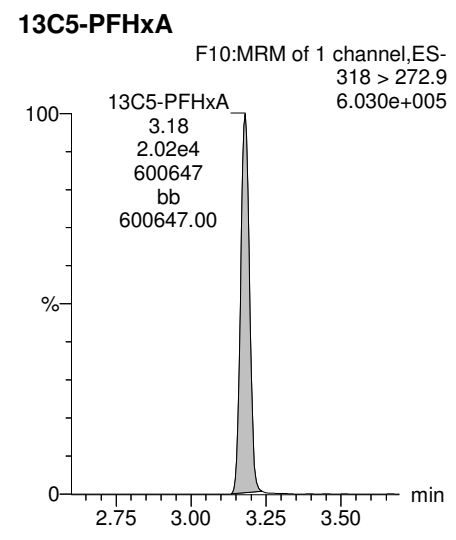
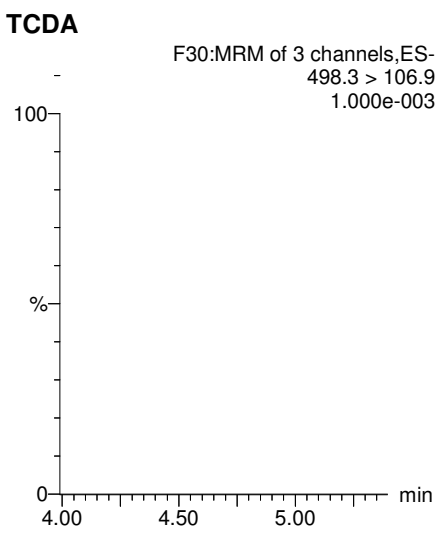
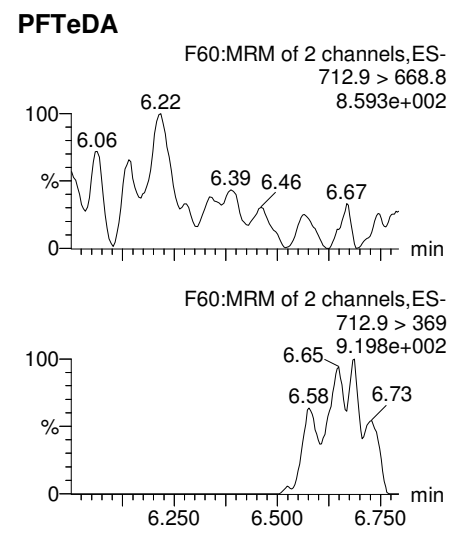
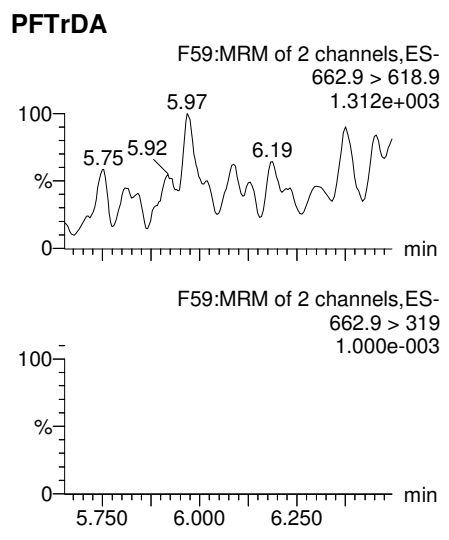
**13C2-PFDoA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank

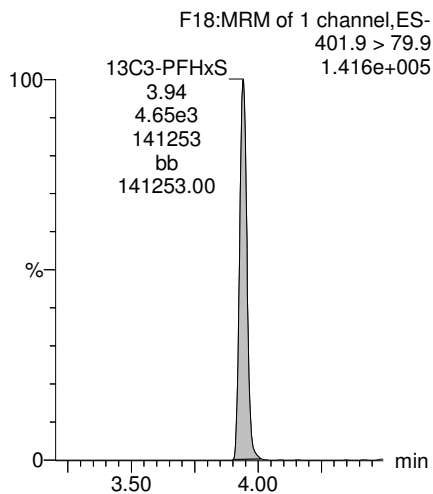


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-69.qld

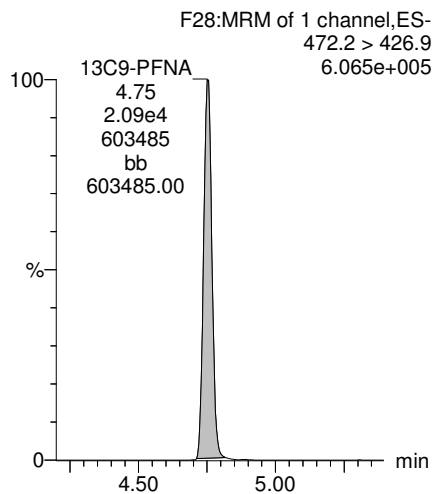
Last Altered: Friday, March 09, 2018 13:45:54 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:46:28 Pacific Standard Time

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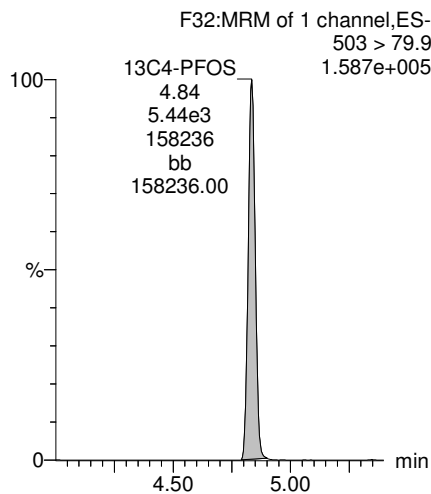
**13C3-PFHxS**



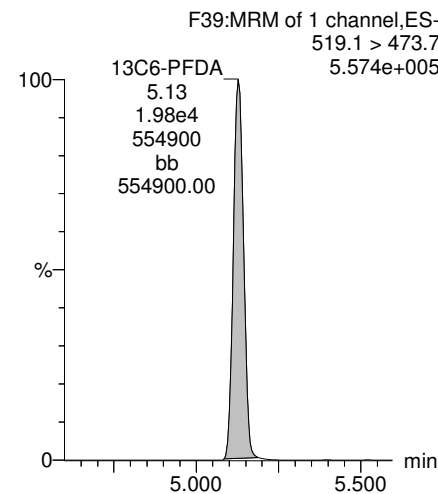
**13C9-PFNA**



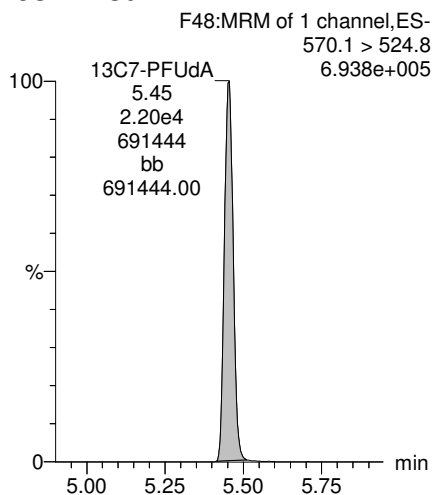
**13C4-PFOS**



**13C6-PFDA**



**13C7-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-68.qld

Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time

Printed: Friday, March 09, 2018 13:40:05 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7	3.81e3	2.53e3	1.00		2.98	2.69	18.8	11.2777	112.8
2	5 PFHxA	313.2 > 268.9	1.53e4	5.16e3	1.00		3.48	3.18	14.9	12.4776	124.8
3	7 PFHpA	363.0 > 318.9	1.45e4	1.41e4	1.00		4.10	3.79	12.8	11.1566	111.6
4	8 L-PFHxS	398.9 > 79.6	3.07e3	2.24e3	1.00		4.24	3.94	17.1	10.9245	109.2
5	11 L-PFOA	413 > 368.7	1.62e4	1.98e4	1.00		4.45	4.32	10.2	11.7437	117.4
6	14 PFNA	463.0 > 418.8	1.66e4	1.68e4	1.00		5.04	4.75	12.4	11.2421	112.4
7	16 L-PFOS	499 > 79.9	3.86e3	4.66e3	1.00		4.84	4.84	10.4	9.6936	96.9
8	18 PFDA	513 > 468.8	1.61e4	1.65e4	1.00		5.40	5.13	12.2	11.6909	116.9
9	21 N-MeFOSAA	570.1 > 419	6.51e3	5.27e3	1.00		5.55	5.28	15.5	11.1356	111.4
10	22 N-EtFOSAA	584.2 > 419	5.75e3	6.85e3	1.00		5.70	5.44	10.5	11.7776	117.8
11	23 PFUdA	563.0 > 518.9	1.68e4	1.75e4	1.00		5.72	5.45	12.0	12.2448	122.4



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-68.qld

Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time

Printed: Friday, March 09, 2018 13:40:13 Pacific Standard Time

Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	3.07e3	2.24e3	1.00		4.24		17.1	10.9245	
34	66 Total PFOA	413 > 368.7	1.62e4	1.98e4	1.00		4.61		10.2	11.7437	
35	67 Total PFOS	499 > 79.9	3.86e3	4.66e3	1.00		5.11		10.4	9.6936	



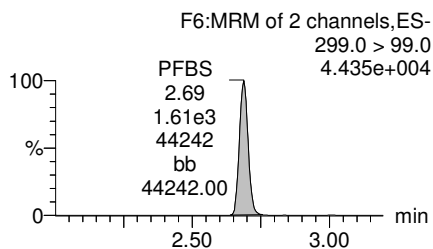
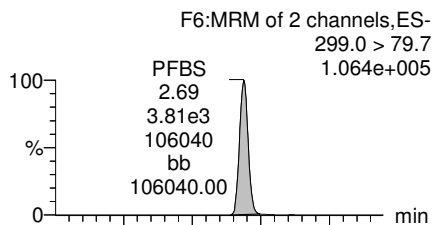
Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-68.qld

Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:40:13 Pacific Standard Time

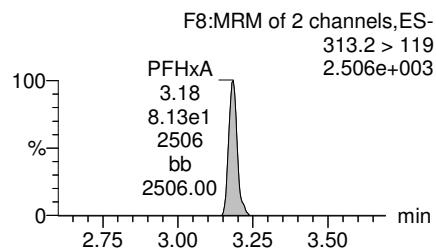
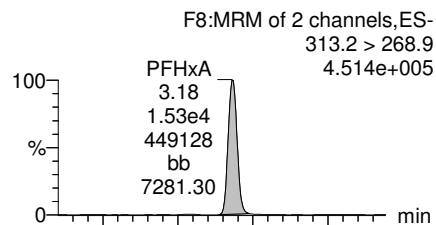
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54  
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

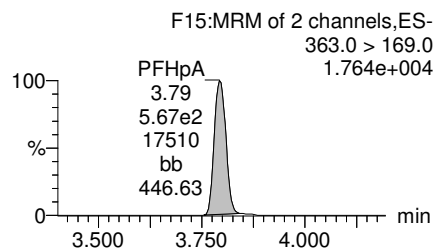
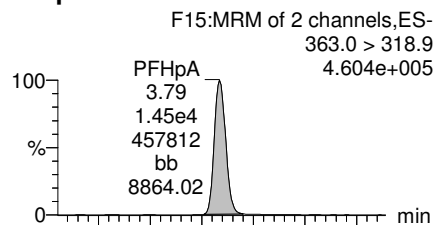
**PFBS**



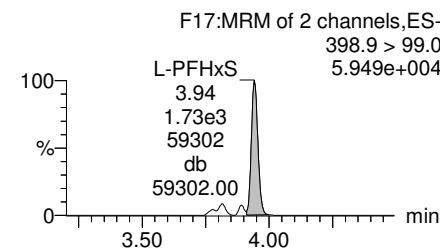
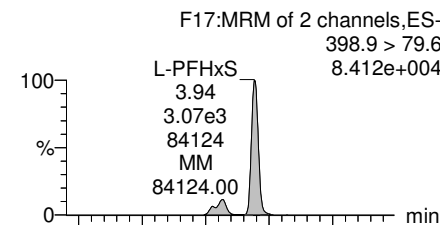
**PFHxA**



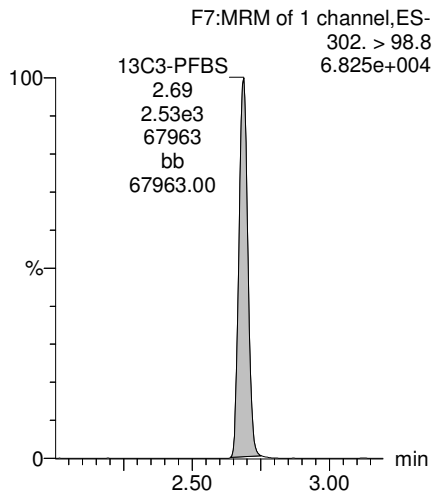
**PFHpA**



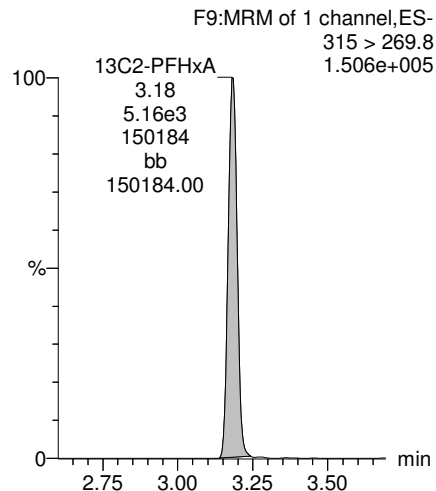
**Total PFHxS**



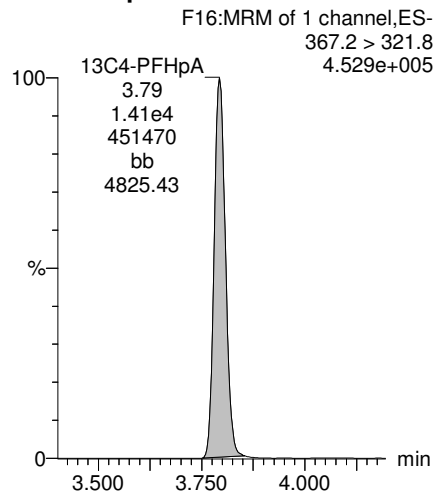
**13C3-PFBS**



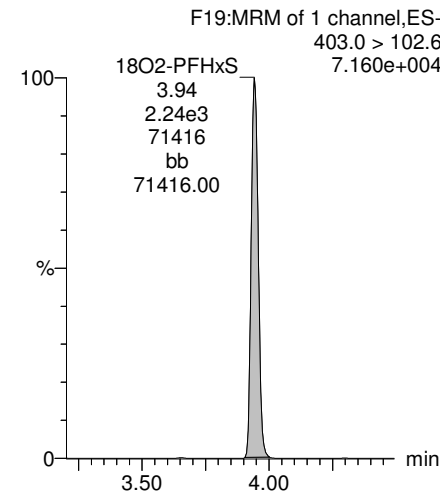
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



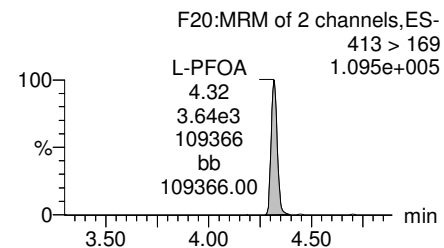
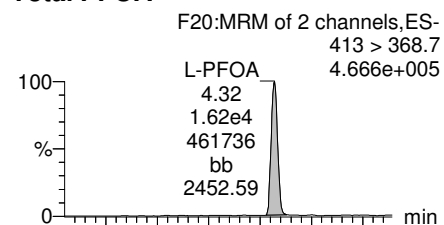
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Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time

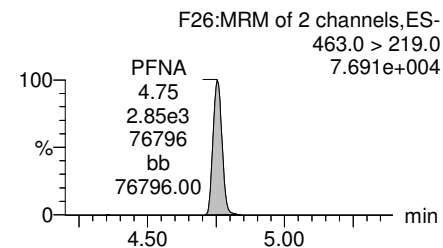
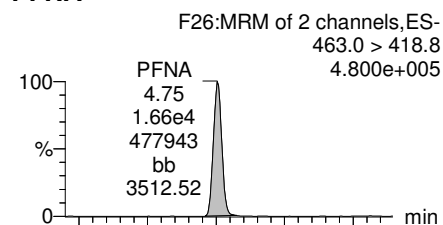
Printed: Friday, March 09, 2018 13:40:13 Pacific Standard Time

Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

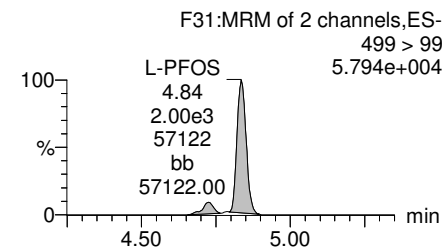
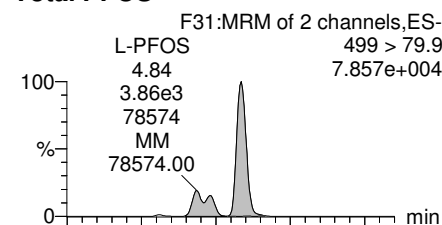
**Total PFOA**



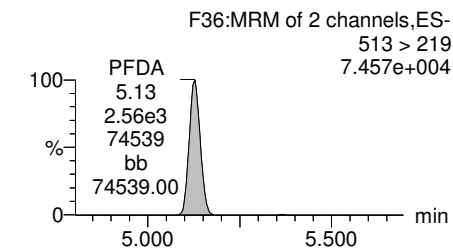
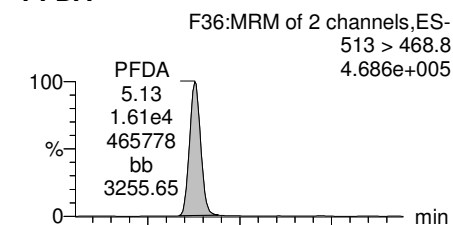
**PFNA**



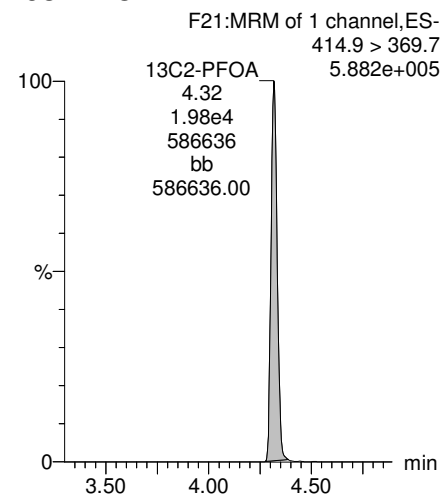
**Total PFOS**



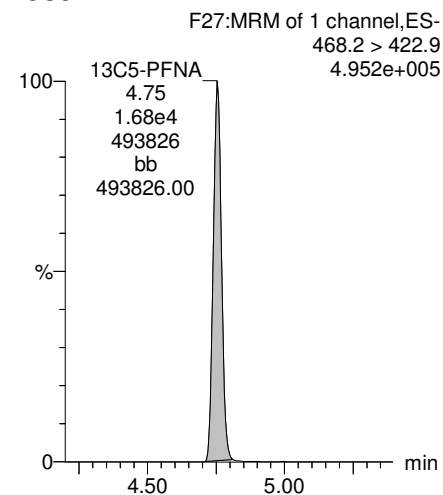
**PFDA**



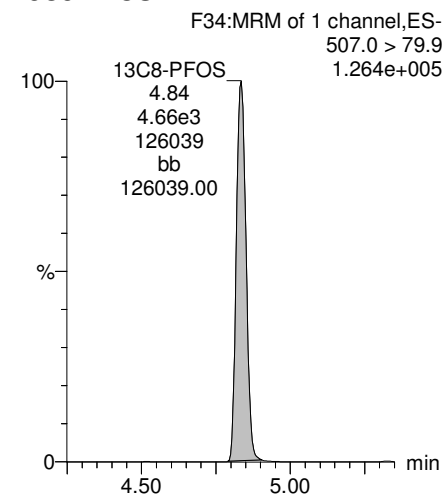
**13C2-PFOA**



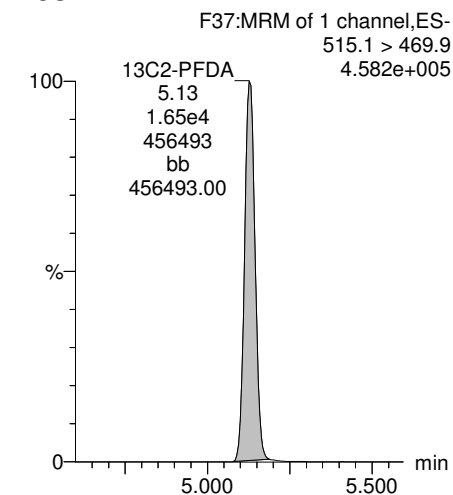
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**



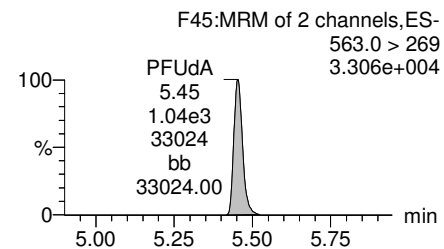
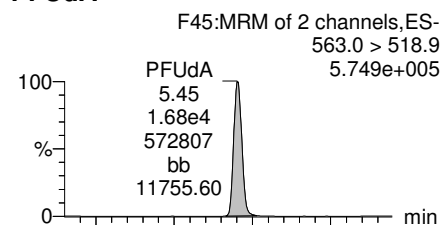
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Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time

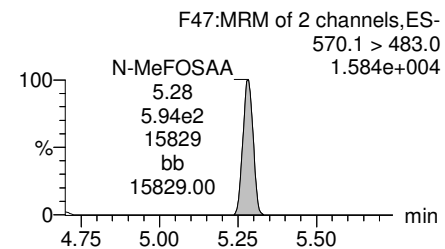
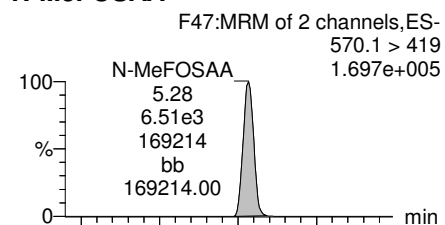
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Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

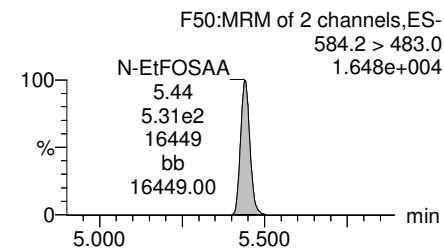
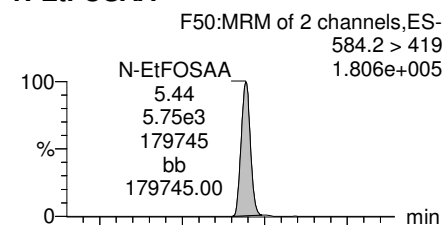
**PFUdA**



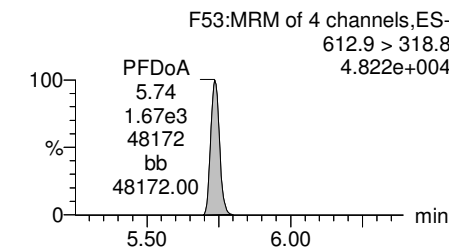
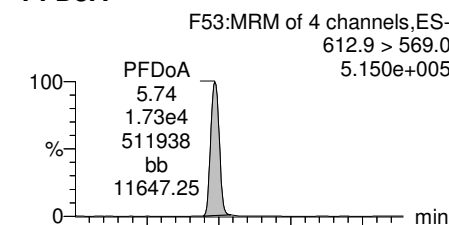
**N-MeFOSAA**



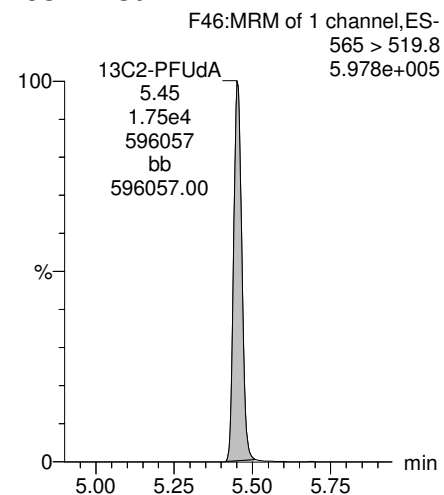
**N-EtFOSAA**



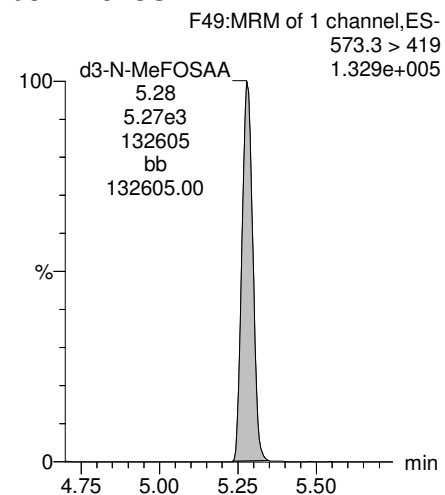
**PFDoA**



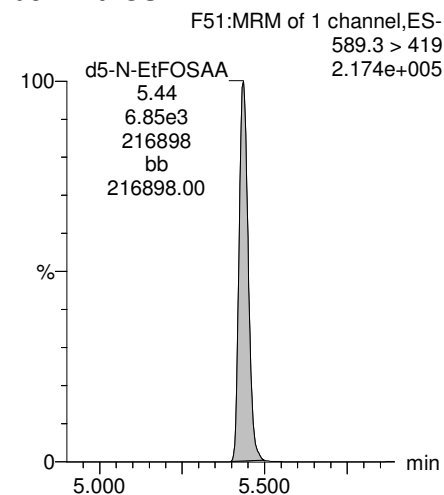
**13C2-PFUdA**



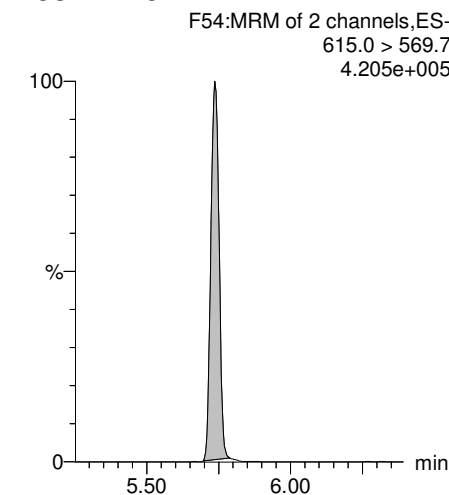
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



**13C2-PFDoA**

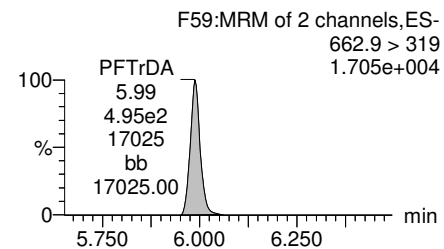
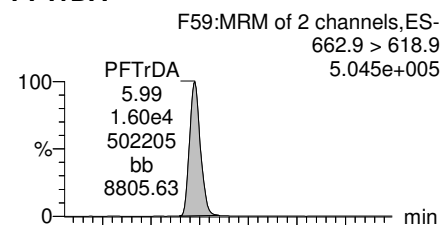


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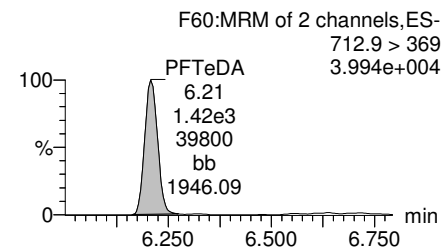
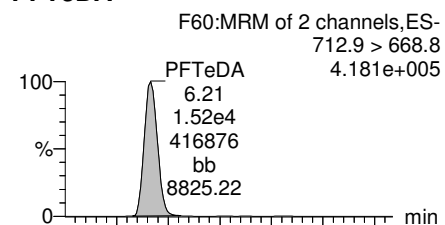
Last Altered: Friday, March 09, 2018 13:37:43 Pacific Standard Time  
Printed: Friday, March 09, 2018 13:40:13 Pacific Standard Time

Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR

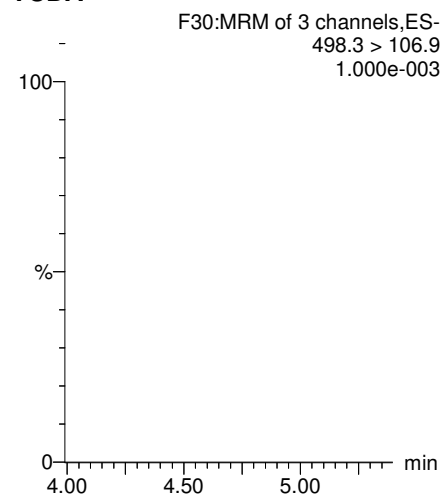
**PFTTrDA**



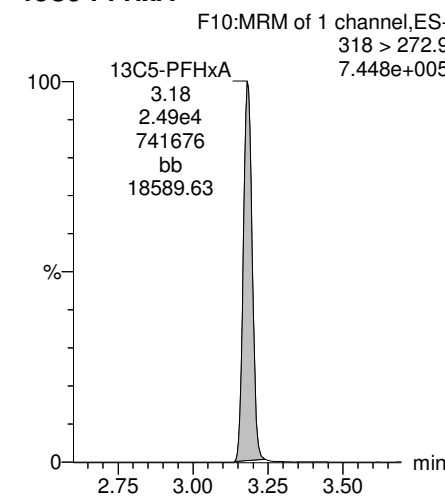
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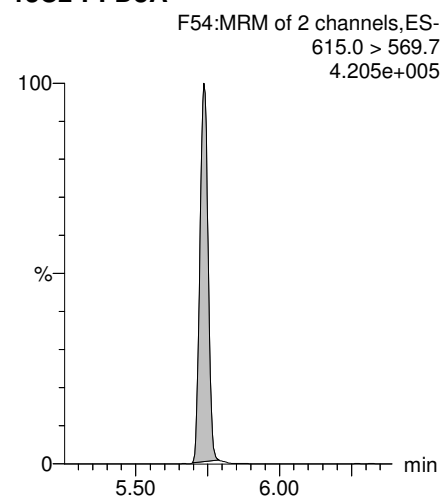
**TCDA**



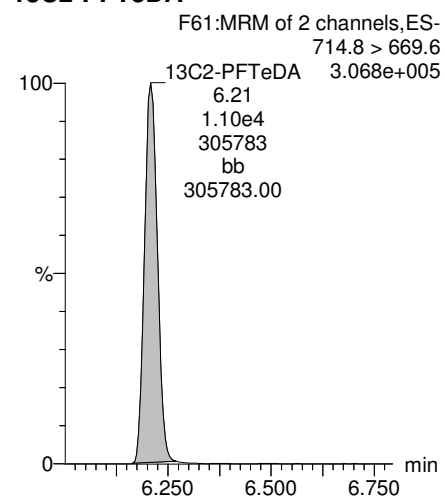
**13C5-PFHxA**



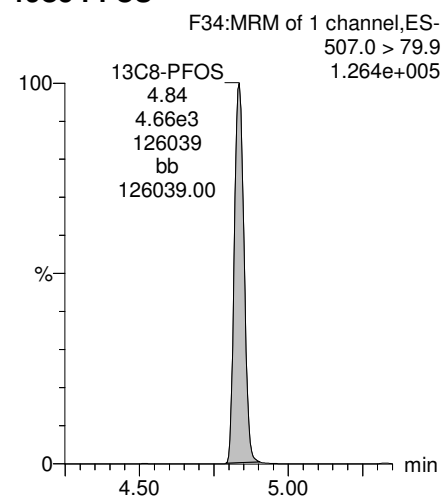
**13C2-PFDoA**



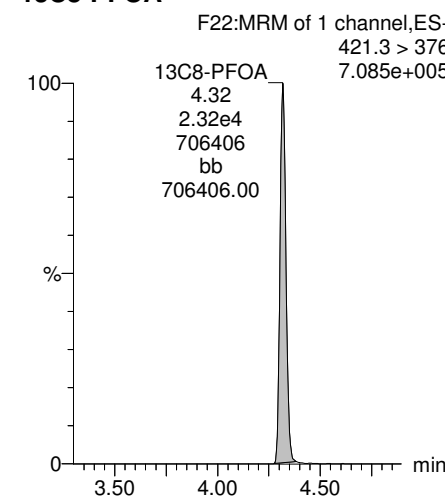
**13C2-PFTeDA**



**13C8-PFOS**



**13C8-PFOA**

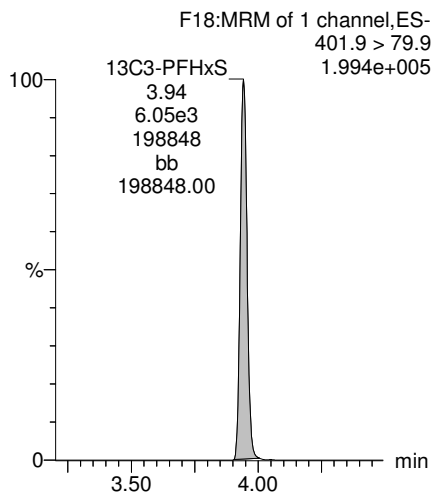


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-68.qld

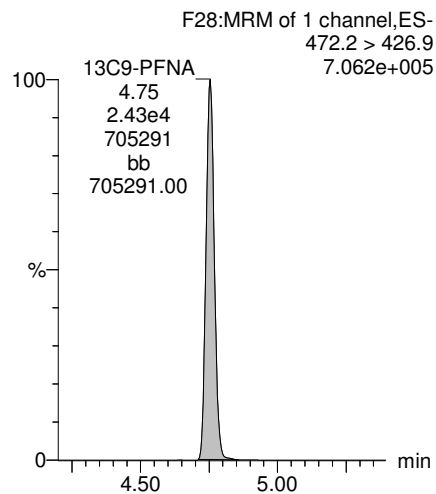
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Printed: Friday, March 09, 2018 13:40:13 Pacific Standard Time

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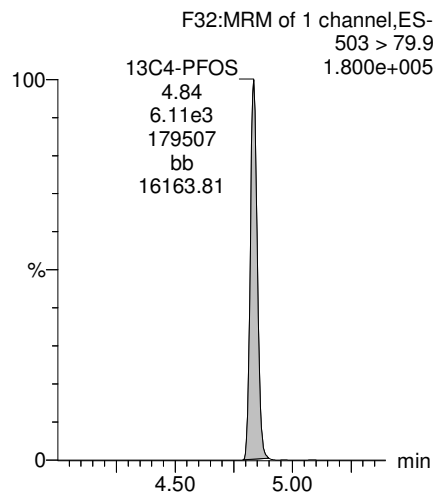
**13C3-PFHxS**



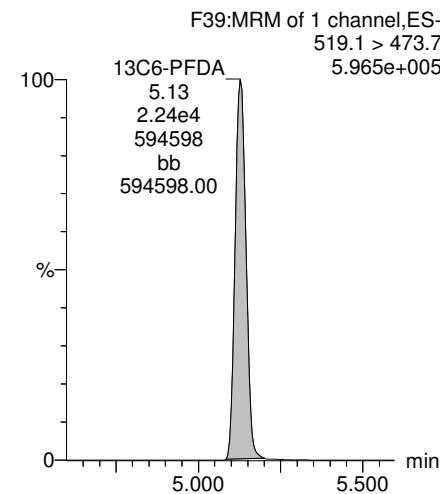
**13C9-PFNA**



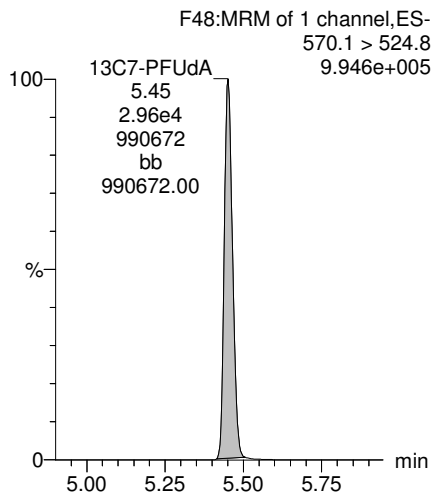
**13C4-PFOS**



**13C6-PFDA**



**13C7-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

Last Altered: Friday, March 09, 2018 14:16:50 Pacific Standard Time

Printed: Friday, March 09, 2018 14:17:36 Pacific Standard Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		9.72e2	0.913		2.98				
2	5 PFHxA	313.2 > 268.9		3.55e3	0.913		3.48				
3	7 PFHpA	363.0 > 318.9		8.93e3	0.913		4.10				
4	8 L-PFHxS	398.9 > 79.6	3.90e0	9.49e2	0.913		4.24	3.94	0.0514		
5	11 L-PFOA	413 > 368.7	3.11e2	1.42e4	0.913		4.45	4.32	0.274	0.2480	
6	14 PFNA	463.0 > 418.8		1.23e4	0.913		5.04				
7	16 L-PFOS	499 > 79.9	1.85e1	3.11e3	0.913		4.84	4.84	0.0744	0.3241	
8	18 PFDA	513 > 468.8		1.19e4	0.913		5.40				
9	21 N-MeFOSAA	570.1 > 419		4.96e3	0.913		5.55				
10	22 N-EtFOSAA	584.2 > 419		6.35e3	0.913		5.70				
11	23 PFUdA	563.0 > 518.9		1.57e4	0.913		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

Last Altered: Friday, March 09, 2018 14:16:50 Pacific Standard Time

Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDa	612.9 > 569.0		1.53e4	0.913		5.99				
2	27 PFTrDA	662.9 > 618.9		1.53e4	0.913		6.22				
3	28 PFTeDA	712.9 > 668.8		1.15e4	0.913		6.41				
4	36 13C3-PFBS	302. > 98.8	9.72e2	2.12e4	0.913	0.096	2.98	2.69	0.573	6.5149	47.6 H
5	37 13C2-PFHxA	315 > 269.8	3.55e3	2.12e4	0.913	0.697	3.48	3.18	2.09	3.2884	60.1
6	38 13C4-PFHpA	367.2 > 321.8	8.93e3	2.12e4	0.913	0.683	4.10	3.80	5.26	8.4276	61.6
7	39 18O2-PFHxS	403.0 > 102.6	9.49e2	4.99e3	0.913	0.387	4.24	3.95	2.38	6.7261	49.2 H
8	40 13C2-6:2 FTS	429.1 > 408.9	2.28e3	1.92e4	0.913	0.238	4.56	4.27	1.48	6.8294	49.9
9	41 13C2-PFOA	414.9 > 369.7	1.42e4	1.92e4	0.913	1.079	4.61	4.32	9.22	9.3601	68.4
10	42 13C5-PFNA	468.2 > 422.9	1.23e4	2.13e4	0.913	0.853	5.04	4.76	7.21	9.2525	67.6
11	43 13C8-PFOSA	506.1 > 77.7	2.76e3	2.22e4	0.913	0.159	5.09	4.83	1.55	10.6626	77.9
12	44 13C8-PFOS	507.0 > 79.9	3.11e3	4.57e3	0.913	0.934	5.11	4.84	8.51	9.9709	72.9
13	45 13C2-PFDA	515.1 > 469.9	1.19e4	2.10e4	0.913	0.898	5.40	5.13	7.08	8.6322	63.1
14	46 13C2-8:2 FTS	529.1 > 508.7	2.33e3	2.12e4	0.913	0.170	5.38	5.10	1.37	8.8496	64.7
15	47 d3-N-MeFOSAA	573.3 > 419	4.96e3	2.22e4	0.913	0.372	5.55	5.28	2.79	8.1916	59.9
16	48 d5-N-EtFOSAA	589.3 > 419	6.35e3	2.22e4	0.913	0.385	5.70	5.44	3.57	10.1528	74.2
17	49 13C2-PFUdA	565 > 519.8	1.57e4	2.22e4	0.913	0.961	5.72	5.46	8.80	10.0227	73.2
18	50 13C2-PFDoA	615.0 > 569.7	1.53e4	2.22e4	0.913	0.864	5.99	5.74	8.62	10.9247	79.8
19	51 d3-N-MeFOSA	515.2 > 168.9		2.22e4	0.913	0.080	5.93				
20	52 13C2-PFTeDA	714.8 > 669.6	1.15e4	2.22e4	0.913	0.692	6.41	6.21	6.49	10.2688	75.0
21	53 d5-N-ETFOSA	531.1 > 168.9		2.22e4	0.913	0.113	6.25				
22	54 13C2-PFHxDA	815 > 769.7	1.20e4	2.22e4	0.913	1.397	6.69	6.55	6.74	5.2863	96.6
23	55 d7-N-MeFOSE	623.1 > 58.9		2.22e4	0.913	0.090	6.31				
24	56 d9-N-EtFOSE	639.2 > 58.8		2.22e4	0.913	0.084	6.45				
25	57 13C4-PFBA	217. > 171.8	1.37e4	1.37e4	0.913	1.000	1.73	1.44	12.5	13.6843	100.0
26	58 13C5-PFHxA	318 > 272.9	2.12e4	2.12e4	0.913	1.000	3.48	3.18	12.5	13.6843	100.0
27	59 13C3-PFHxS	401.9 > 79.9	4.99e3	4.99e3	0.913	1.000	4.24	3.95	12.5	13.6843	100.0
28	60 13C8-PFOA	421.3 > 376	1.92e4	1.92e4	0.913	1.000	4.61	4.32	12.5	13.6843	100.0
29	61 13C9-PFNA	472.2 > 426.9	2.13e4	2.13e4	0.913	1.000	4.70	4.76	12.5	13.6843	100.0
30	62 13C4-PFOS	503 > 79.9	4.57e3	4.57e3	0.913	1.000	5.11	4.84	12.5	13.6843	100.0
31	63 13C6-PFDA	519.1 > 473.7	2.10e4	2.10e4	0.913	1.000	5.40	5.13	12.5	13.6843	100.0
32	64 13C7-PFUdA	570.1 > 524.8	2.22e4	2.22e4	0.913	1.000	5.72	5.45	12.5	13.6843	100.0

AD 3/9/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

Last Altered: Friday, March 09, 2018 14:16:50 Pacific Standard Time

Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	3.90e0	9.49e2	0.913		4.24		0.000		
34	66 Total PFOA	413 > 368.7	3.11e2	1.42e4	0.913		4.61		0.274	0.2480	
35	67 Total PFOS	499 > 79.9	1.85e1	3.11e3	0.913		5.11		0.0744	0.3241	



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

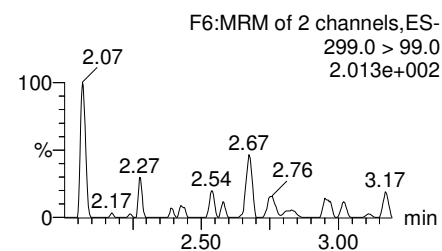
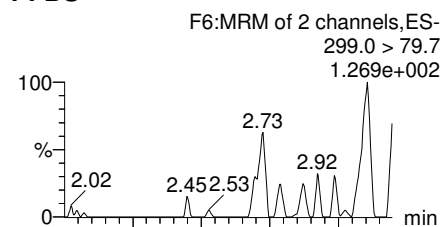
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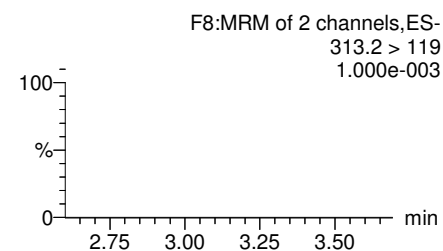
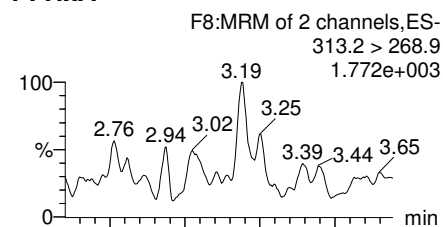
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Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

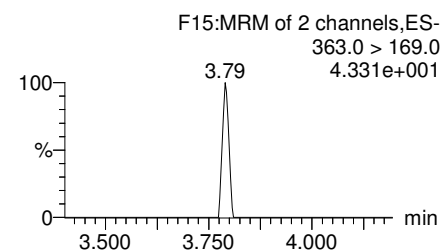
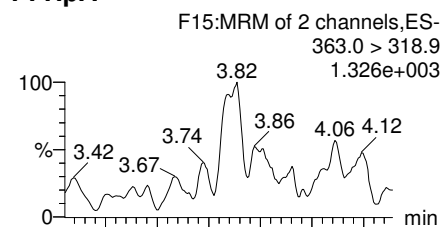
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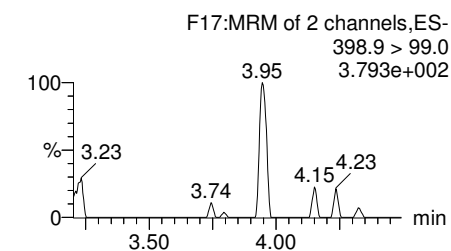
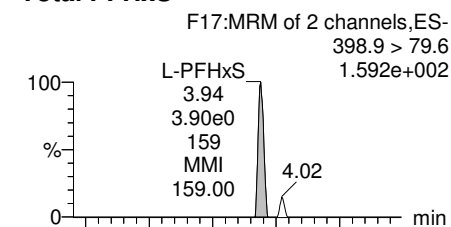
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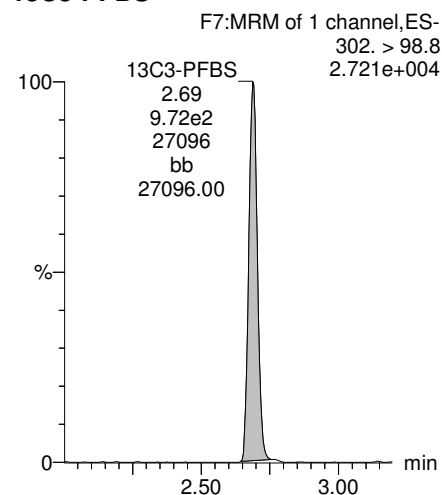
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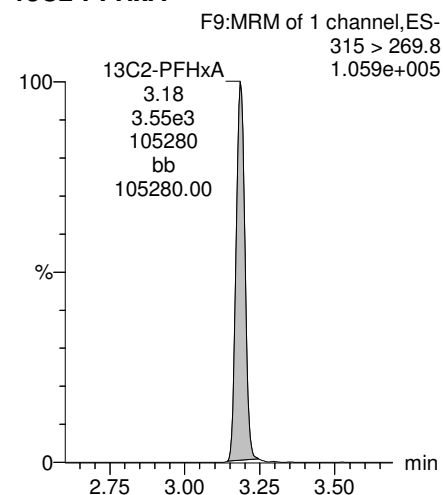
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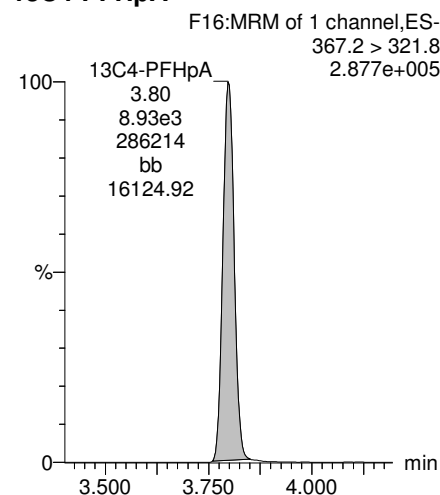
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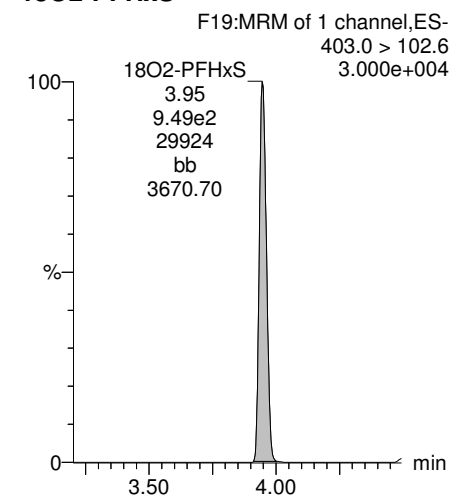
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

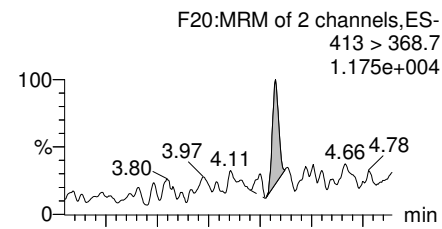


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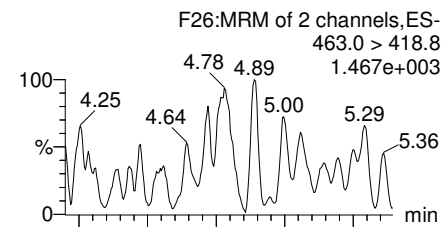
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Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

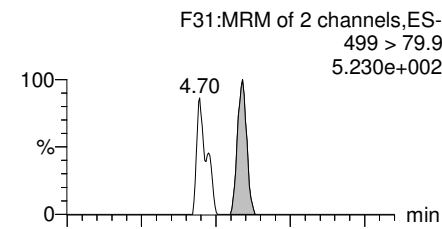
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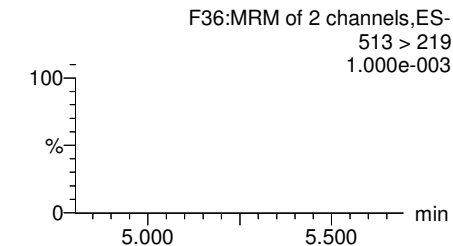
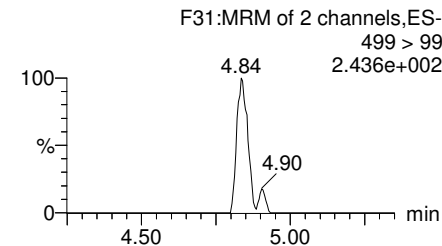
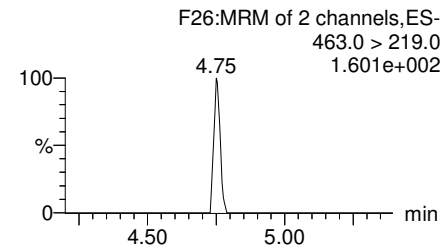
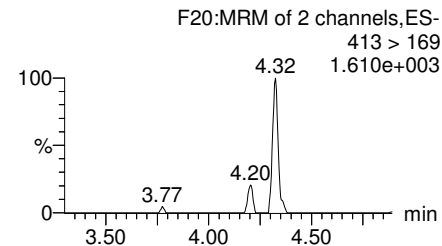
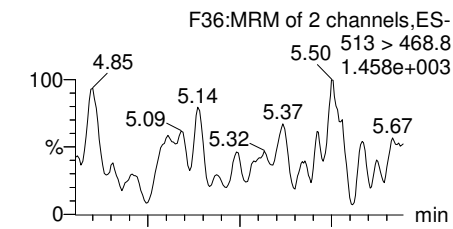
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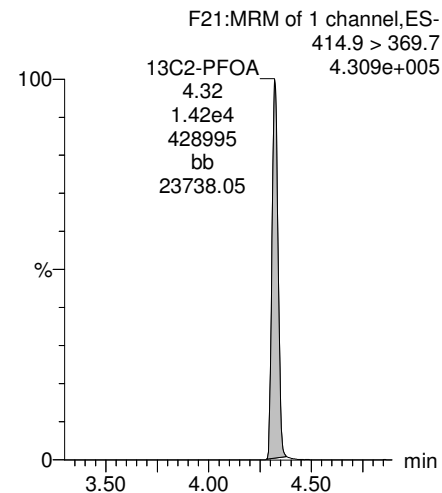
**Total PFOS**



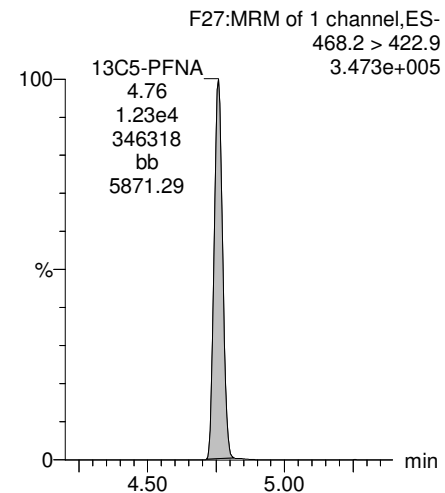
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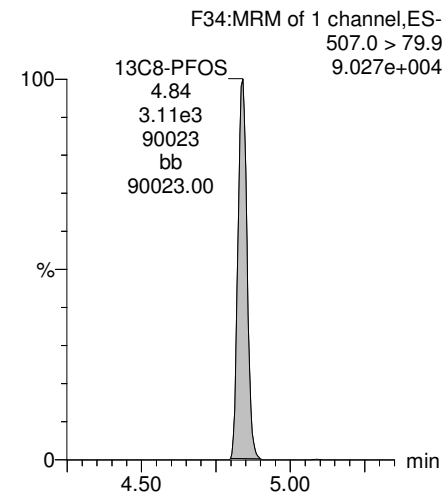
**13C2-PFOA**



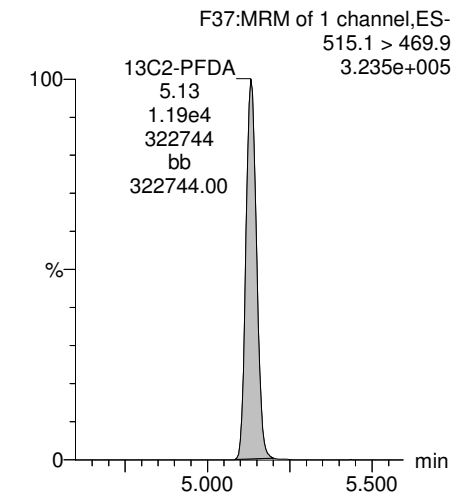
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

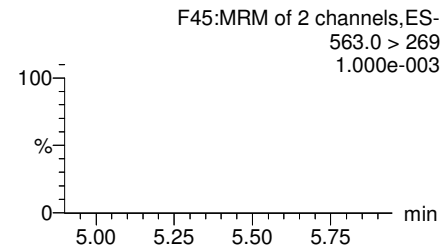
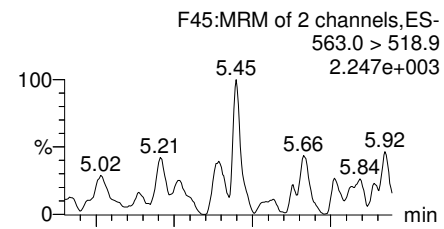


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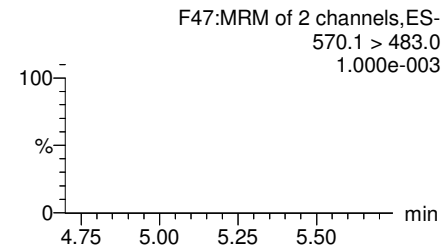
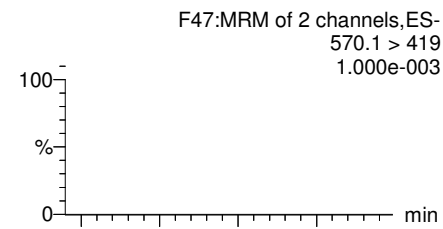
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Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

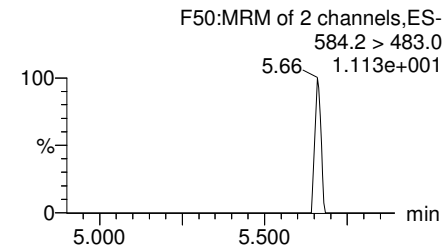
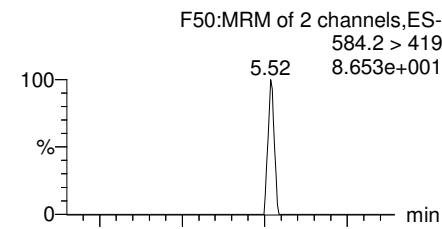
**PFUdA**



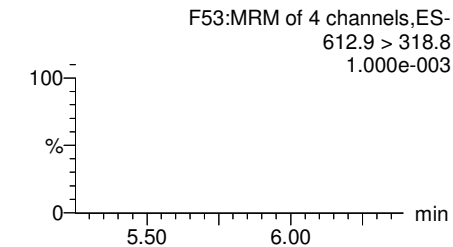
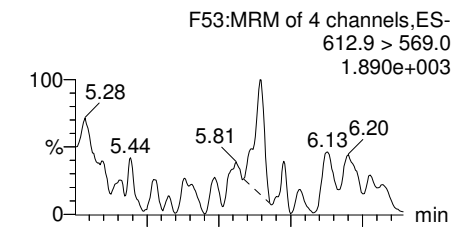
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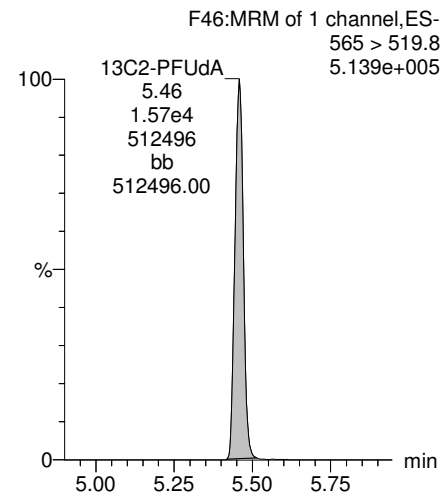
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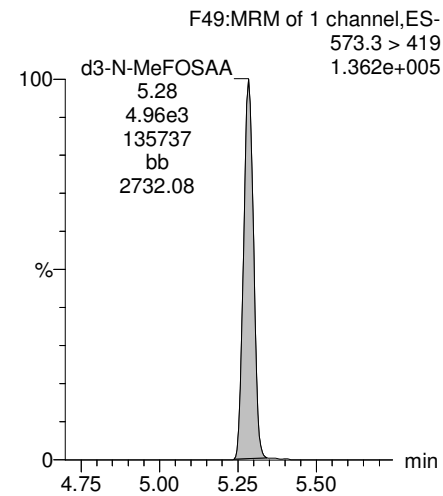
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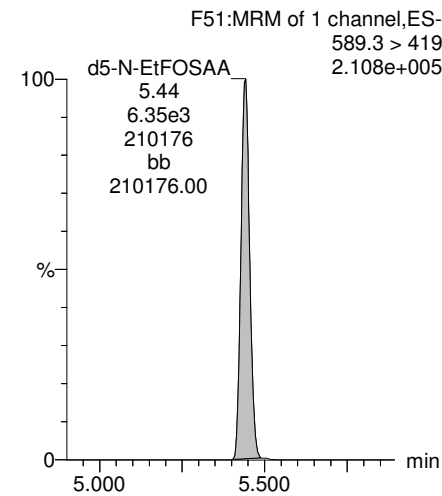
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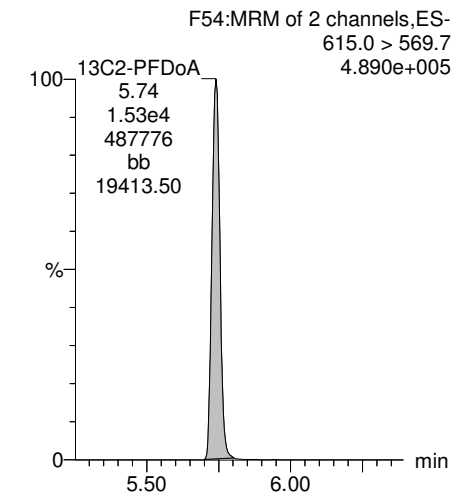
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



**13C2-PFDaA**

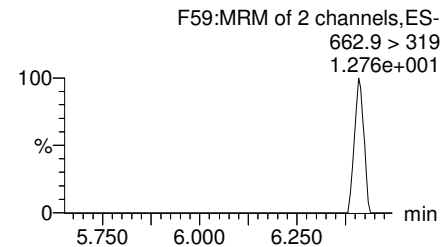
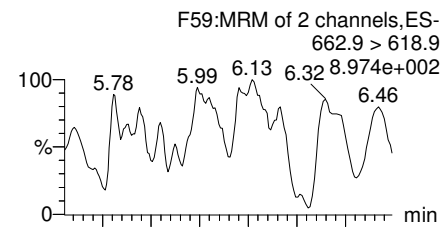


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

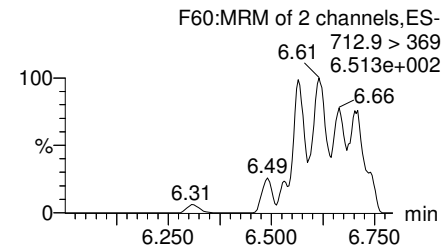
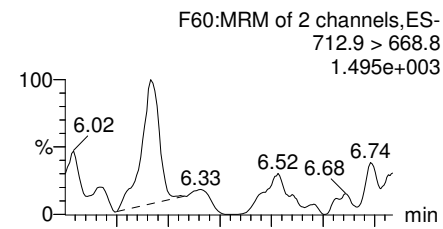
Last Altered: Friday, March 09, 2018 14:16:50 Pacific Standard Time  
Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218

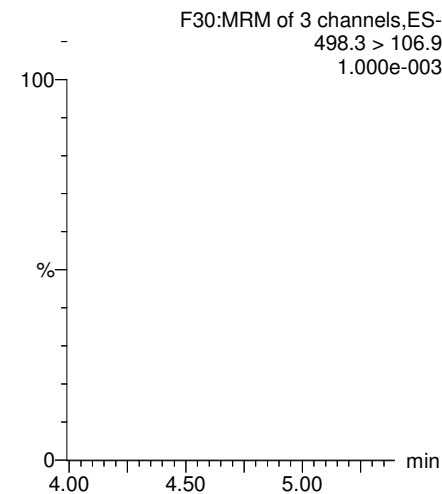
**PFTrDA**



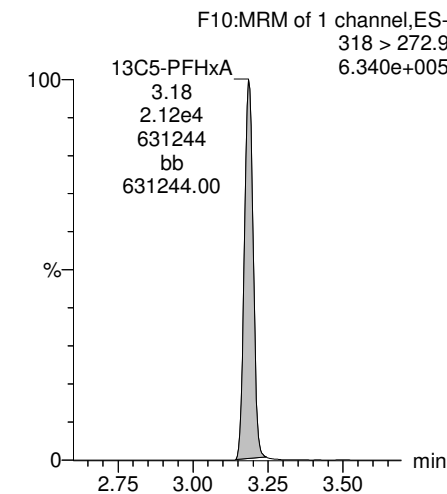
**PFTeDA**



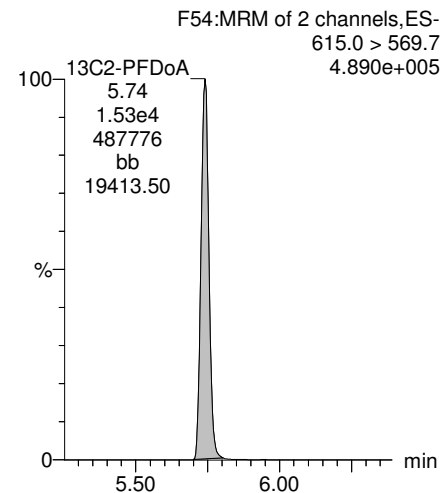
**TCDA**



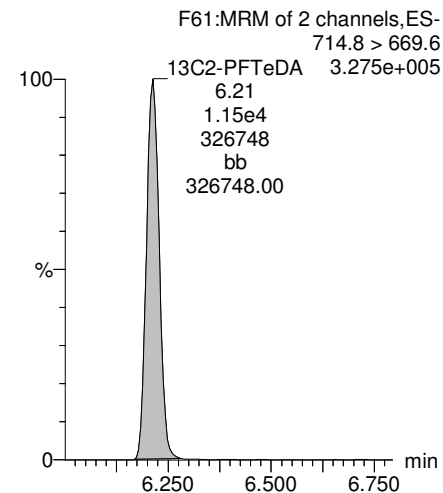
**13C5-PFHxA**



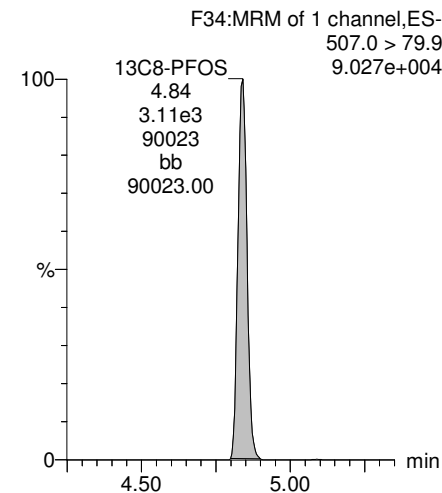
**13C2-PFDoA**



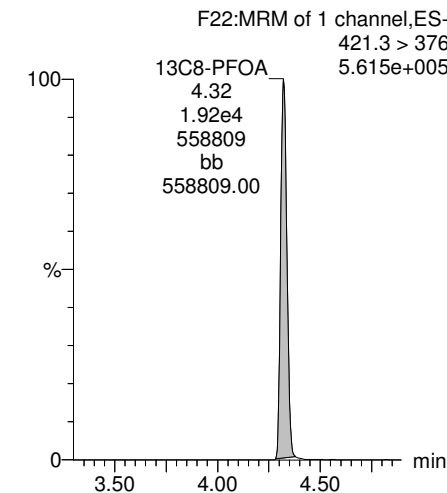
**13C2-PFTeDA**



**13C8-PFOS**



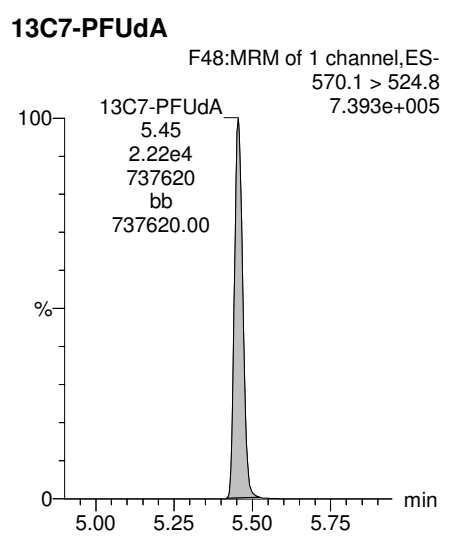
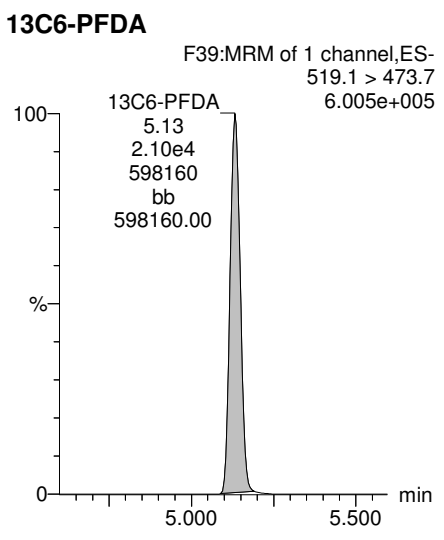
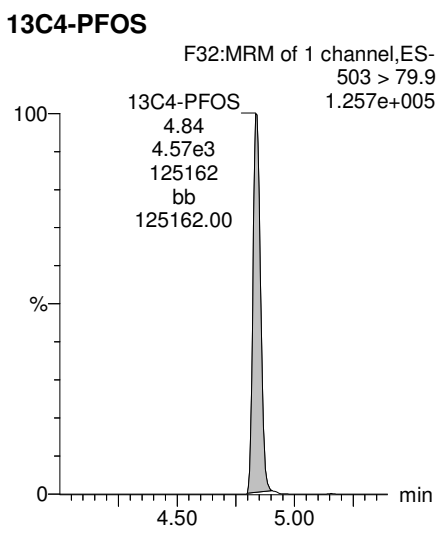
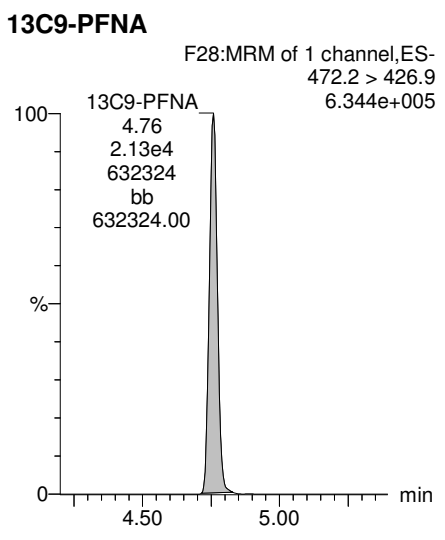
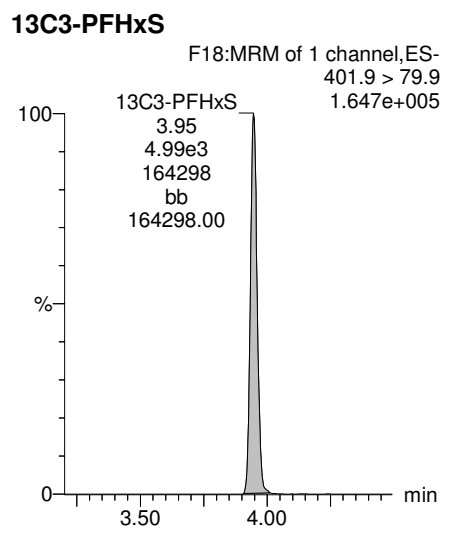
**13C8-PFOA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-75.qld

Last Altered: Friday, March 09, 2018 14:16:50 Pacific Standard Time  
Printed: Friday, March 09, 2018 14:18:55 Pacific Standard Time

Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06, Description: WI-AF-SB611-0H01-0218



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time

Printed: Friday, March 09, 2018 14:22:46 Pacific Standard Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		2.31e3	1.01		2.98				
2	5 PFHxA	313.2 > 268.9		5.79e3	1.01		3.48				
3	7 PFHpA	363.0 > 318.9		1.43e4	1.01		4.10				
4	8 L-PFHxS	398.9 > 79.6	5.82e0	1.69e3	1.01		4.24	3.95	0.0432		
5	11 L-PFOA	413 > 368.7	2.90e2	1.89e4	1.01		4.45	4.32	0.192	0.1304	
6	14 PFNA	463.0 > 418.8		1.65e4	1.01		5.04				
7	16 L-PFOS	499 > 79.9		4.53e3	1.01		4.84				
8	18 PFDA	513 > 468.8		1.62e4	1.01		5.40				
9	21 N-MeFOSAA	570.1 > 419		7.01e3	1.01		5.55				
10	22 N-EtFOSAA	584.2 > 419		8.59e3	1.01		5.70				
11	23 PFUdA	563.0 > 518.9		1.91e4	1.01		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time

Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDa	612.9 > 569.0		1.64e4	1.01		5.99				
2	27 PFTrDA	662.9 > 618.9		1.64e4	1.01		6.22				
3	28 PFTeDA	712.9 > 668.8	6.65e1	1.30e4	1.01		6.41	6.21	0.0642	0.1149	
4	36 13C3-PFBS	302. > 98.8	2.31e3	2.30e4	1.01	0.096	2.98	2.68	1.25	12.9583	104.2
5	37 13C2-PFHxA	315 > 269.8	5.79e3	2.30e4	1.01	0.697	3.48	3.18	3.15	4.4950	90.4
6	38 13C4-PFHpA	367.2 > 321.8	1.43e4	2.30e4	1.01	0.683	4.10	3.79	7.78	11.3202	91.0
7	39 18O2-PFHxS	403.0 > 102.6	1.69e3	5.02e3	1.01	0.387	4.24	3.94	4.20	10.7767	86.7
8	40 13C2-6:2 FTS	429.1 > 408.9	4.51e3	2.19e4	1.01	0.238	4.56	4.26	2.58	10.8040	86.9
9	41 13C2-PFOA	414.9 > 369.7	1.89e4	2.19e4	1.01	1.079	4.61	4.32	10.8	9.9801	80.3
10	42 13C5-PFNA	468.2 > 422.9	1.65e4	2.29e4	1.01	0.853	5.04	4.75	9.01	10.5027	84.5
11	43 13C8-PFOSA	506.1 > 77.7	2.42e3	2.83e4	1.01	0.159	5.09	4.83	1.07	6.6526	53.5
12	44 13C8-PFOS	507.0 > 79.9	4.53e3	5.50e3	1.01	0.934	5.11	4.84	10.3	10.9731	88.2
13	45 13C2-PFDA	515.1 > 469.9	1.62e4	2.27e4	1.01	0.898	5.40	5.13	8.94	9.8972	79.6
14	46 13C2-8:2 FTS	529.1 > 508.7	3.77e3	2.30e4	1.01	0.170	5.38	5.10	2.05	12.0078	96.6
15	47 d3-N-MeFOSAA	573.3 > 419	7.01e3	2.83e4	1.01	0.372	5.55	5.28	3.09	8.2622	66.4
16	48 d5-N-EtFOSAA	589.3 > 419	8.59e3	2.83e4	1.01	0.385	5.70	5.44	3.79	9.7855	78.7
17	49 13C2-PFUdA	565 > 519.8	1.91e4	2.83e4	1.01	0.961	5.72	5.45	8.41	8.7128	70.1
18	50 13C2-PFDoA	615.0 > 569.7	1.64e4	2.83e4	1.01	0.864	5.99	5.74	7.22	8.3215	66.9
19	51 d3-N-MeFOSA	515.2 > 168.9		2.83e4	1.01	0.080	5.93				
20	52 13C2-PFTeDA	714.8 > 669.6	1.30e4	2.83e4	1.01	0.692	6.41	6.21	5.71	8.2169	66.1
21	53 d5-N-ETFOSA	531.1 > 168.9		2.83e4	1.01	0.113	6.25				
22	54 13C2-PFHxDA	815 > 769.7	1.20e4	2.83e4	1.01	1.397	6.69	6.55	5.28	3.7631	75.7
23	55 d7-N-MeFOSE	623.1 > 58.9		2.83e4	1.01	0.090	6.31				
24	56 d9-N-EtFOSE	639.2 > 58.8		2.83e4	1.01	0.084	6.45				
25	57 13C4-PFBA	217. > 171.8	1.46e4	1.46e4	1.01	1.000	1.73	1.44	12.5	12.4343	100.0
26	58 13C5-PFHxA	318 > 272.9	2.30e4	2.30e4	1.01	1.000	3.48	3.18	12.5	12.4343	100.0
27	59 13C3-PFHxS	401.9 > 79.9	5.02e3	5.02e3	1.01	1.000	4.24	3.95	12.5	12.4343	100.0
28	60 13C8-PFOA	421.3 > 376	2.19e4	2.19e4	1.01	1.000	4.61	4.32	12.5	12.4343	100.0
29	61 13C9-PFNA	472.2 > 426.9	2.29e4	2.29e4	1.01	1.000	4.70	4.75	12.5	12.4343	100.0
30	62 13C4-PFOS	503 > 79.9	5.50e3	5.50e3	1.01	1.000	5.11	4.84	12.5	12.4343	100.0
31	63 13C6-PFDA	519.1 > 473.7	2.27e4	2.27e4	1.01	1.000	5.40	5.13	12.5	12.4343	100.0
32	64 13C7-PFUdA	570.1 > 524.8	2.83e4	2.83e4	1.01	1.000	5.72	5.45	12.5	12.4343	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time

Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	5.82e0	1.69e3	1.01		4.24		0.000		
34	66 Total PFOA	413 > 368.7	2.90e2	1.89e4	1.01		4.61		0.192	0.1304	
35	67 Total PFOS	499 > 79.9	0.00e0	4.53e3	1.01		5.11		0.000		



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

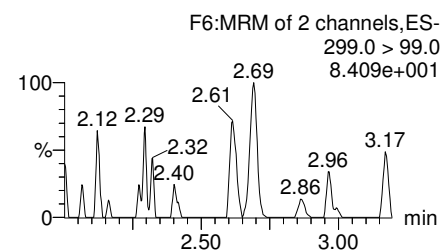
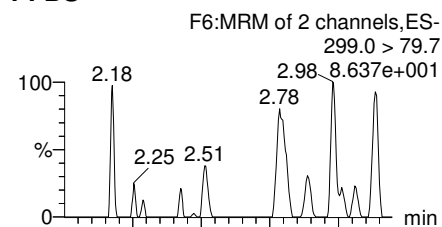
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Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

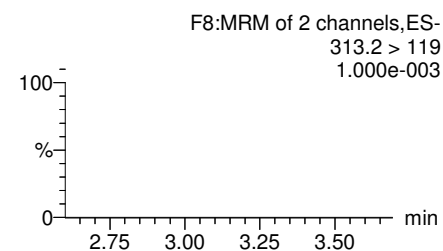
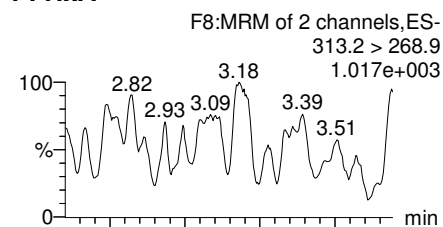
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Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

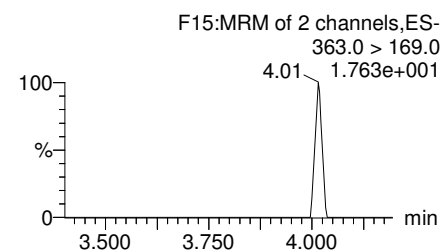
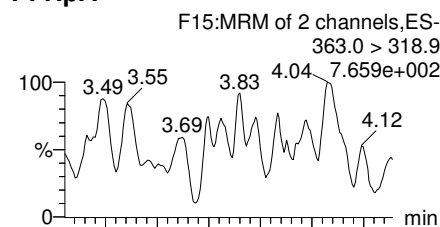
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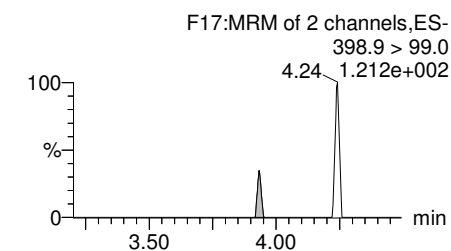
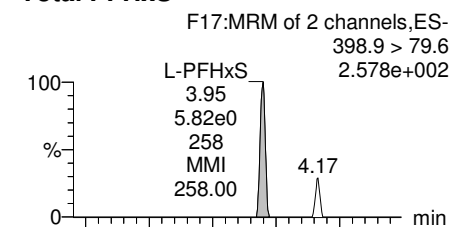
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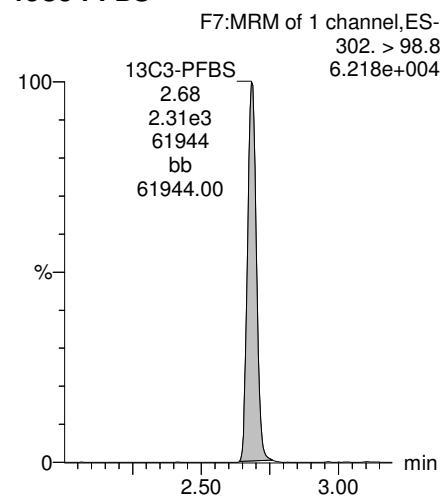
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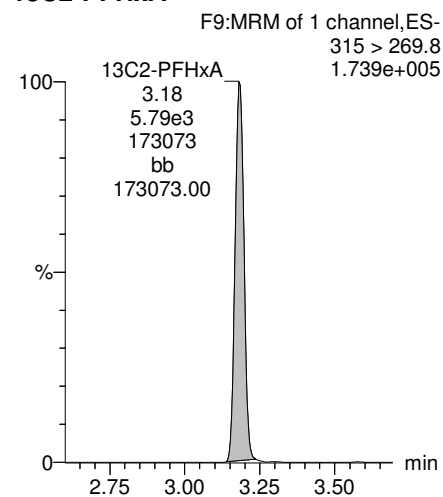
Total PFHxS



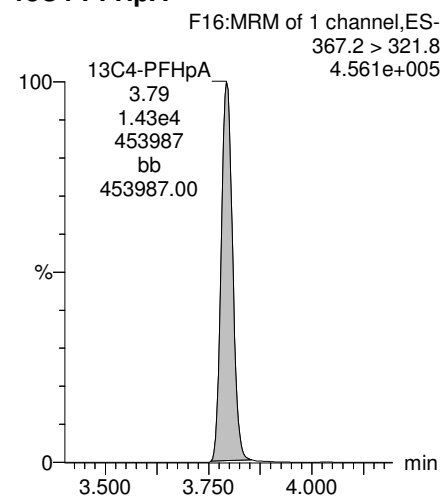
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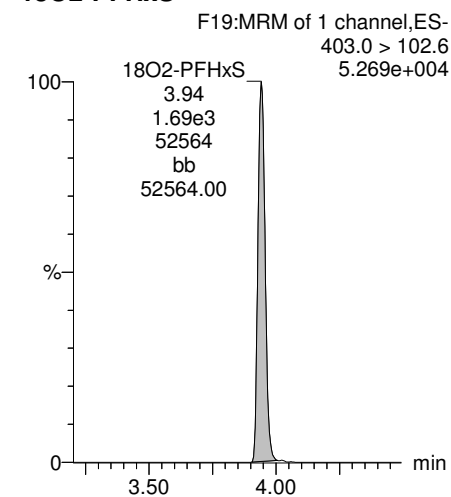
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

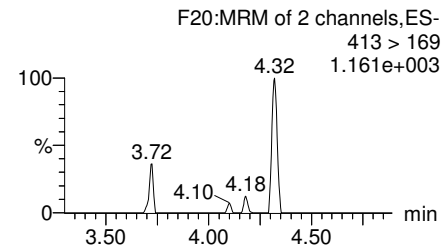
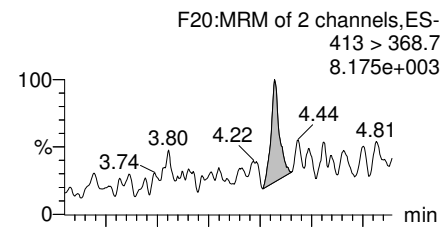


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

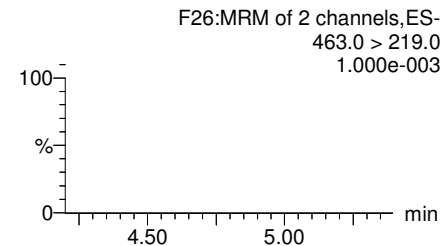
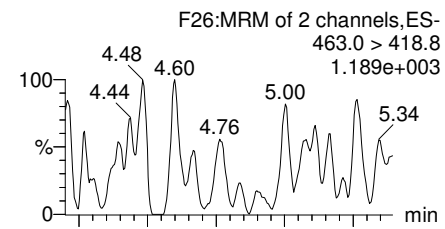
Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time  
Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

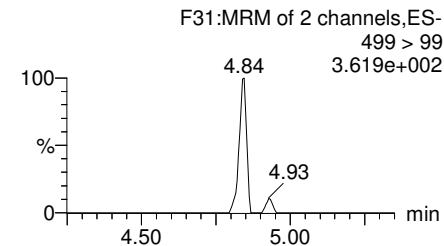
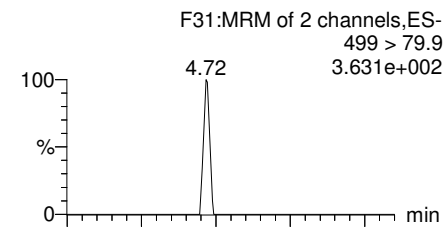
**Total PFOA**



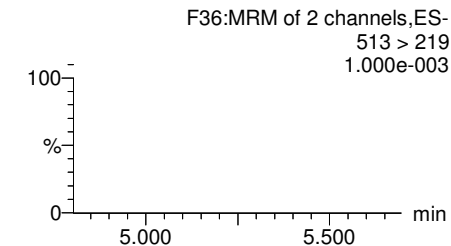
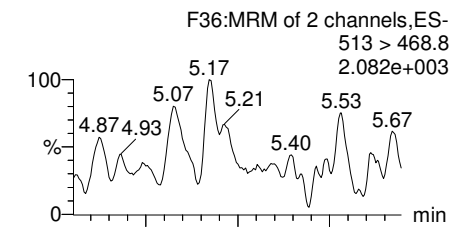
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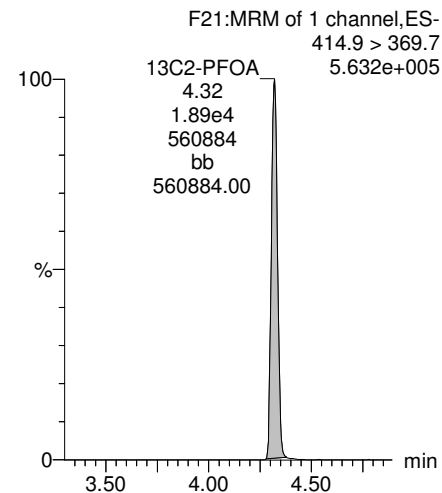
**Total PFOS**



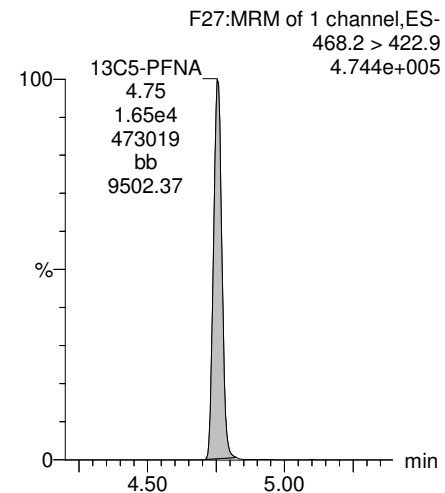
**PFDA**



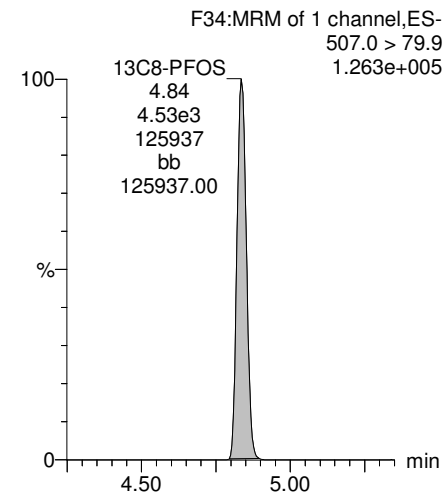
**13C2-PFOA**



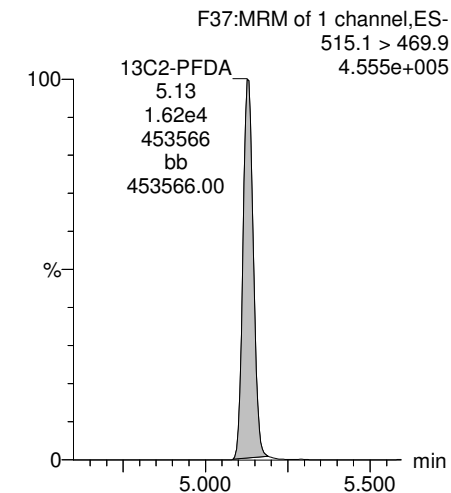
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**



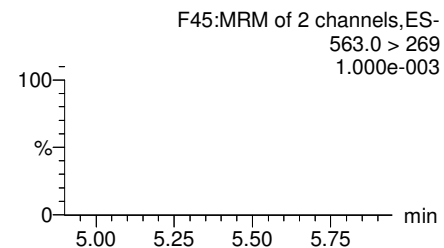
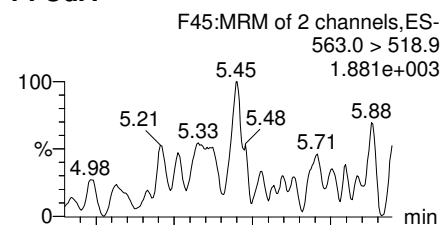
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Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time

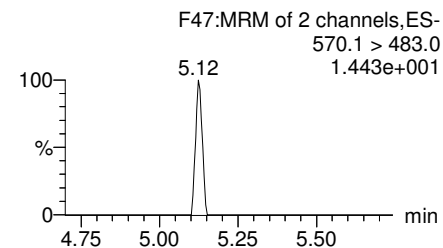
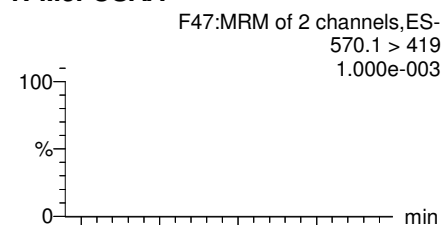
Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218

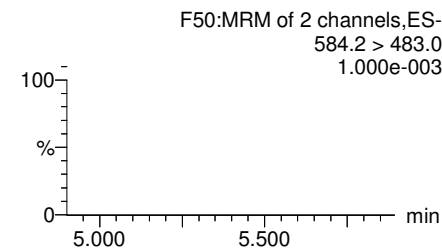
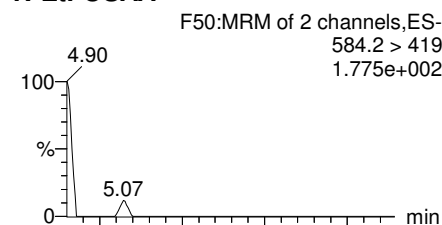
**PFUdA**



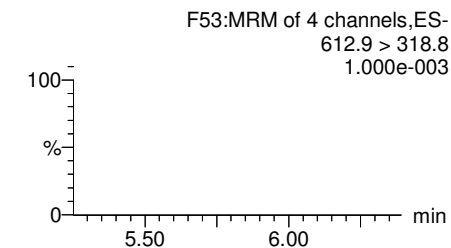
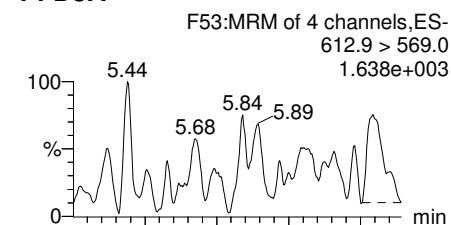
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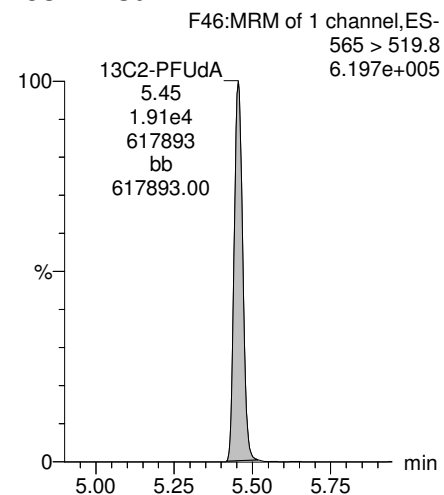
**N-EtFOSAA**



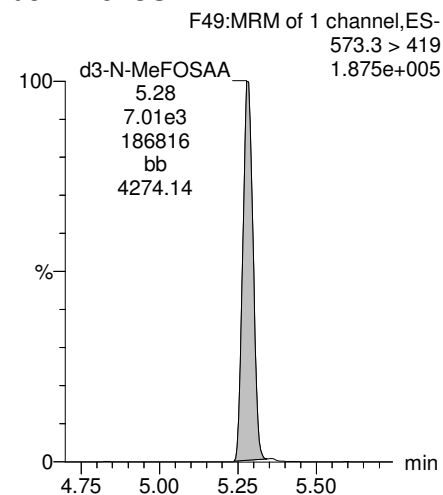
**PFDaA**



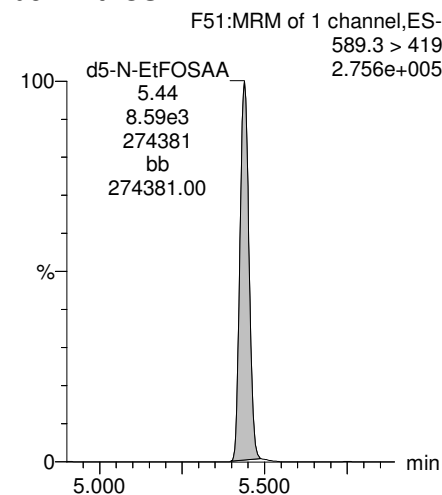
**13C2-PFUdA**



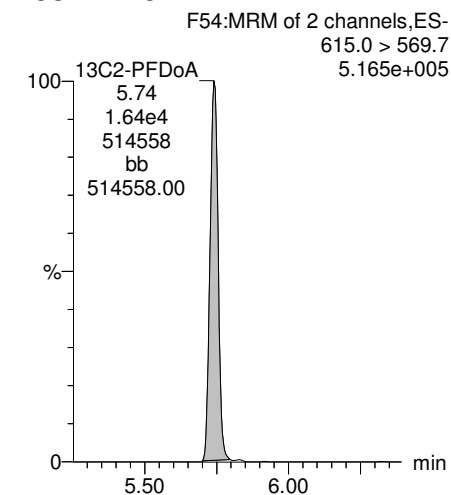
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



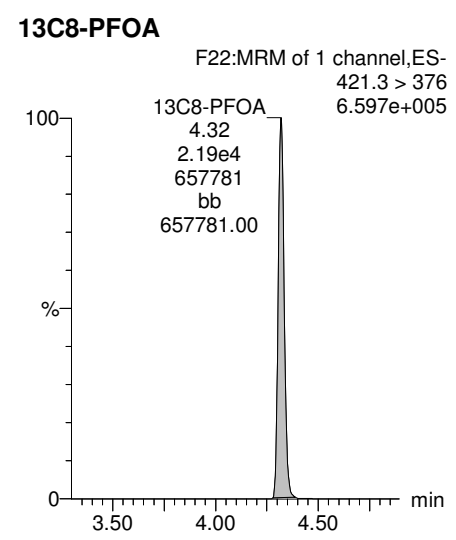
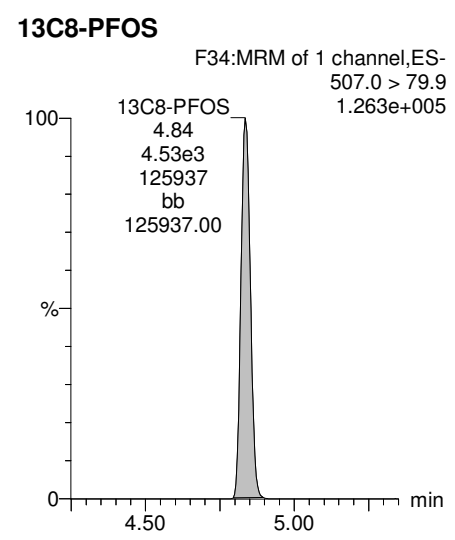
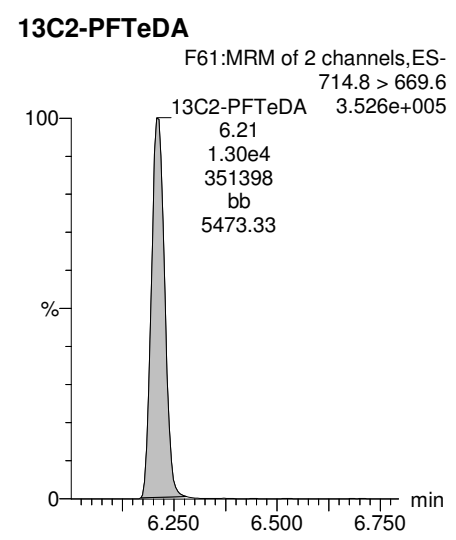
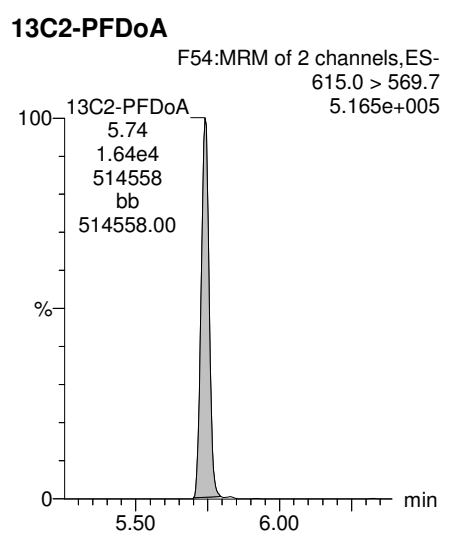
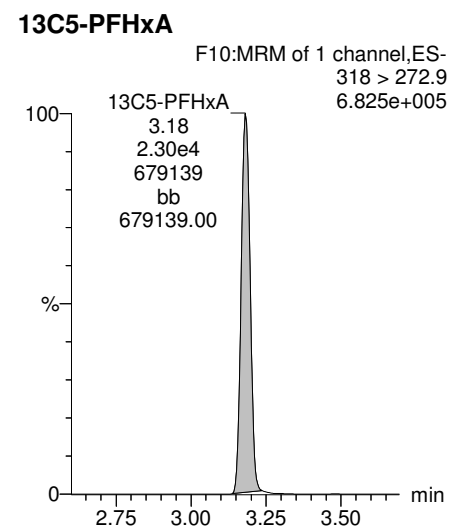
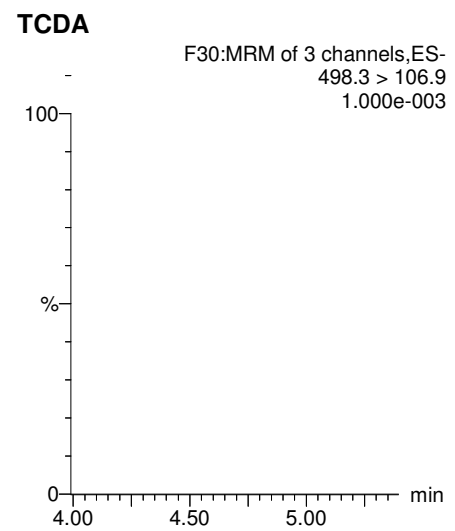
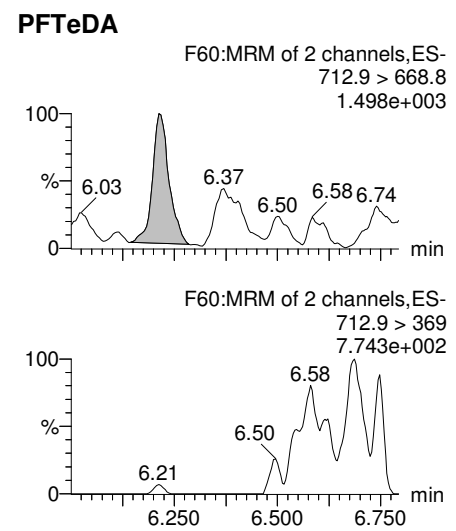
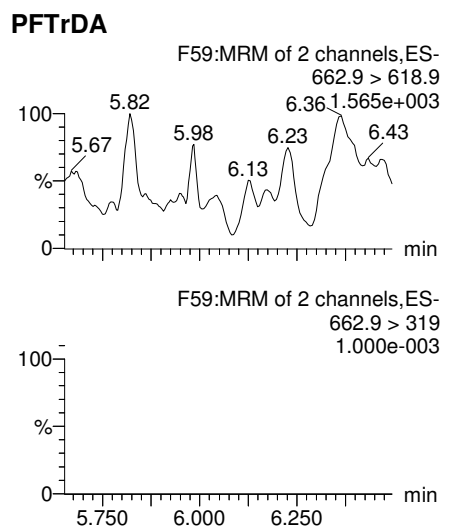
**13C2-PFDaA**



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time  
Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

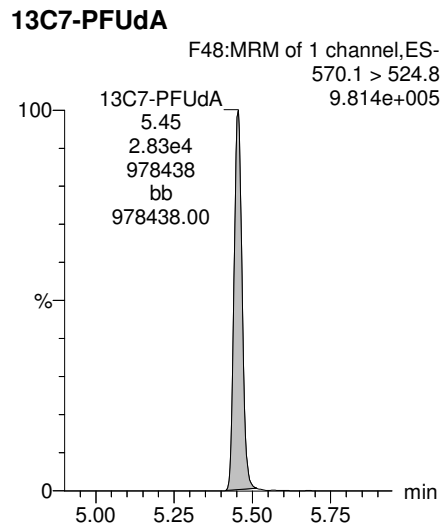
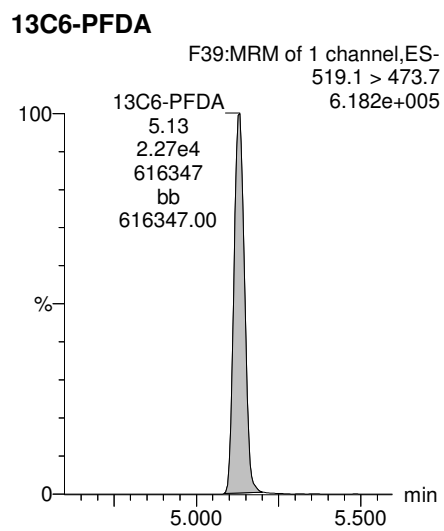
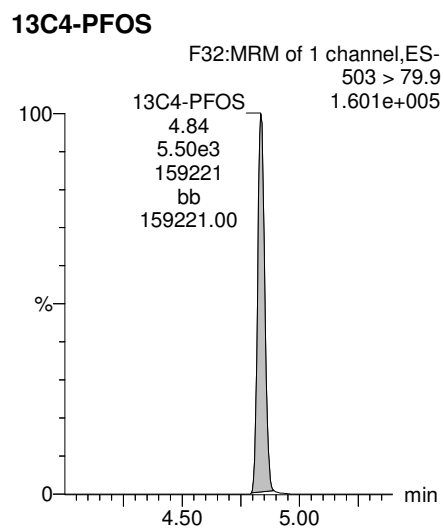
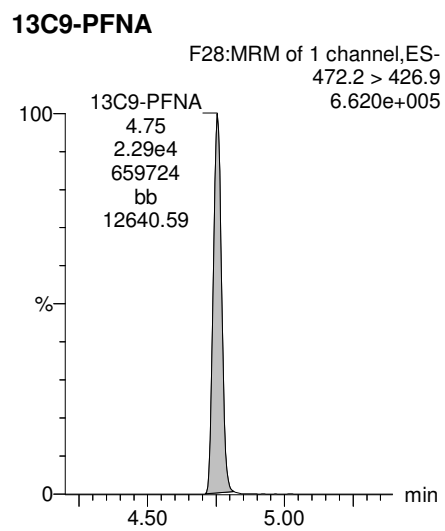
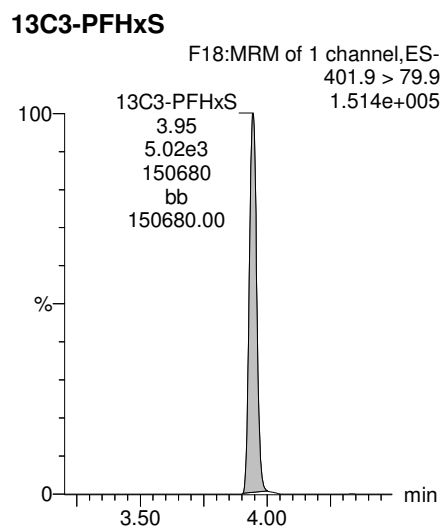
Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-76.qld

Last Altered: Friday, March 09, 2018 14:22:08 Pacific Standard Time  
Printed: Friday, March 09, 2018 14:22:38 Pacific Standard Time

Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07, Description: WI-AF-SB611-0103-0218



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

Last Altered: Friday, March 09, 2018 15:05:05 Pacific Standard Time

Printed: Friday, March 09, 2018 15:05:45 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		2.23e3	1.09		2.98				
2	5 PFHxA	313.2 > 268.9		5.45e3	1.09		3.48				
3	7 PFHpA	363.0 > 318.9		1.34e4	1.09		4.10				
4	8 L-PFHxS	398.9 > 79.6		1.74e3	1.09		4.24				
5	11 L-PFOA	413 > 368.7	1.51e2	1.92e4	1.09		4.45	4.32	0.0983	0.0211	
6	14 PFNA	463.0 > 418.8		1.55e4	1.09		5.04				
7	16 L-PFOS	499 > 79.9		4.33e3	1.09		4.84				
8	18 PFDA	513 > 468.8		1.58e4	1.09		5.40				
9	21 N-MeFOSAA	570.1 > 419		6.95e3	1.09		5.55				
10	22 N-EtFOSAA	584.2 > 419		8.27e3	1.09		5.70				
11	23 PFUdA	563.0 > 518.9		1.86e4	1.09		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

Last Altered: Friday, March 09, 2018 15:05:05 Pacific Standard Time

Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDa	612.9 > 569.0		1.63e4	1.09		5.99				
2	27 PFTDA	662.9 > 618.9		1.63e4	1.09		6.22				
3	28 PFTeDA	712.9 > 668.8		1.20e4	1.09		6.41				
4	36 13C3-PFBS	302. > 98.8	2.23e3	2.25e4	1.09	0.096	2.98	2.69	1.24	11.8595	103.0
5	37 13C2-PFHxA	315 > 269.8	5.45e3	2.25e4	1.09	0.697	3.48	3.18	3.03	3.9986	86.8
6	38 13C4-PFHpA	367.2 > 321.8	1.34e4	2.25e4	1.09	0.683	4.10	3.79	7.45	10.0417	87.2
7	39 18O2-PFHxS	403.0 > 102.6	1.74e3	5.08e3	1.09	0.387	4.24	3.94	4.28	10.1671	88.3
8	40 13C2-6:2 FTS	429.1 > 408.9	4.66e3	2.32e4	1.09	0.238	4.56	4.26	2.52	9.7521	84.7
9	41 13C2-PFOA	414.9 > 369.7	1.92e4	2.32e4	1.09	1.079	4.61	4.32	10.3	8.8370	76.7
10	42 13C5-PFNA	468.2 > 422.9	1.55e4	2.28e4	1.09	0.853	5.04	4.75	8.49	9.1677	79.6
11	43 13C8-PFOSA	506.1 > 77.7	2.83e3	2.45e4	1.09	0.159	5.09	4.83	1.44	8.3470	72.5
12	44 13C8-PFOS	507.0 > 79.9	4.33e3	5.23e3	1.09	0.934	5.11	4.84	10.3	10.2037	88.6
13	45 13C2-PFDA	515.1 > 469.9	1.58e4	1.75e4	1.09	0.898	5.40	5.13	11.3	11.6369	101.1
14	46 13C2-8:2 FTS	529.1 > 508.7	3.90e3	2.25e4	1.09	0.170	5.38	5.10	2.16	11.7356	101.9
15	47 d3-N-MeFOSAA	573.3 > 419	6.95e3	2.45e4	1.09	0.372	5.55	5.28	3.55	8.7707	76.2
16	48 d5-N-EtFOSAA	589.3 > 419	8.27e3	2.45e4	1.09	0.385	5.70	5.44	4.22	10.1050	87.8
17	49 13C2-PFUdA	565 > 519.8	1.86e4	2.45e4	1.09	0.961	5.72	5.45	9.48	9.0899	78.9
18	50 13C2-PFDoA	615.0 > 569.7	1.63e4	2.45e4	1.09	0.864	5.99	5.74	8.34	8.9002	77.3
19	51 d3-N-MeFOSA	515.2 > 168.9		2.45e4	1.09	0.080	5.93				
20	52 13C2-PFTeDA	714.8 > 669.6	1.20e4	2.45e4	1.09	0.692	6.41	6.21	6.13	8.1583	70.9
21	53 d5-N-ETFOSA	531.1 > 168.9		2.45e4	1.09	0.113	6.25				
22	54 13C2-PFHxDA	815 > 769.7	8.59e3	2.45e4	1.09	1.397	6.69	6.54	4.39	2.8929	62.8
23	55 d7-N-MeFOSE	623.1 > 58.9		2.45e4	1.09	0.090	6.31				
24	56 d9-N-EtFOSE	639.2 > 58.8		2.45e4	1.09	0.084	6.45				
25	57 13C4-PFBA	217. > 171.8	1.42e4	1.42e4	1.09	1.000	1.73	1.44	12.5	11.5145	100.0
26	58 13C5-PFHxA	318 > 272.9	2.25e4	2.25e4	1.09	1.000	3.48	3.18	12.5	11.5145	100.0
27	59 13C3-PFHxS	401.9 > 79.9	5.08e3	5.08e3	1.09	1.000	4.24	3.94	12.5	11.5145	100.0
28	60 13C8-PFOA	421.3 > 376	2.32e4	2.32e4	1.09	1.000	4.61	4.32	12.5	11.5145	100.0
29	61 13C9-PFNA	472.2 > 426.9	2.28e4	2.28e4	1.09	1.000	4.70	4.75	12.5	11.5145	100.0
30	62 13C4-PFOS	503 > 79.9	5.23e3	5.23e3	1.09	1.000	5.11	4.84	12.5	11.5145	100.0
31	63 13C6-PFDA	519.1 > 473.7	1.75e4	1.75e4	1.09	1.000	5.40	5.13	12.5	11.5145	100.0
32	64 13C7-PFUdA	570.1 > 524.8	2.45e4	2.45e4	1.09	1.000	5.72	5.45	12.5	11.5145	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

Last Altered: Friday, March 09, 2018 15:05:05 Pacific Standard Time

Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	0.00e0	1.74e3	1.09		4.24		0.000		
34	66 Total PFOA	413 > 368.7	1.51e2	1.92e4	1.09		4.61		0.0983	0.0211	
35	67 Total PFOS	499 > 79.9	0.00e0	4.33e3	1.09		5.11		0.000		



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

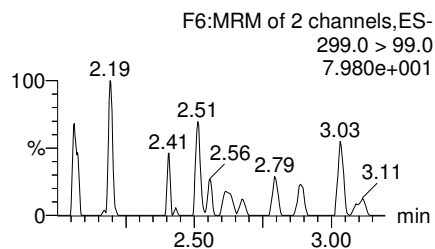
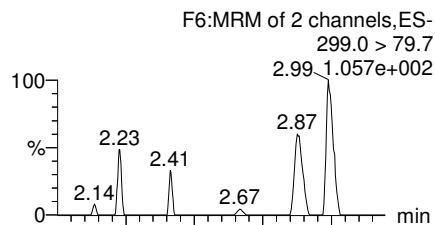
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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

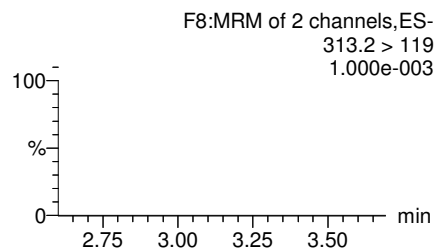
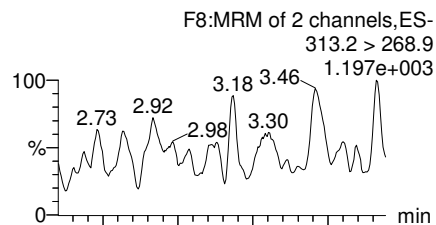
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Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

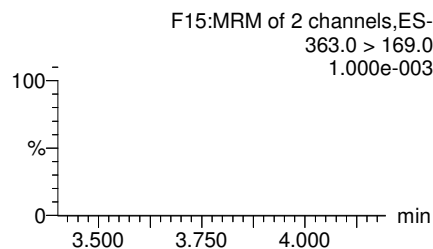
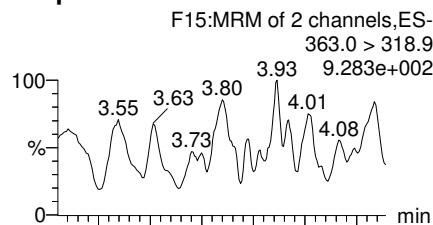
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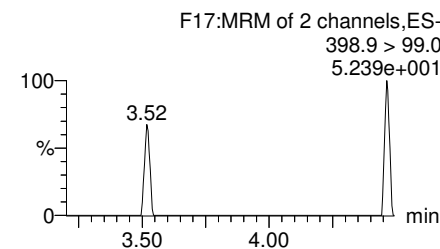
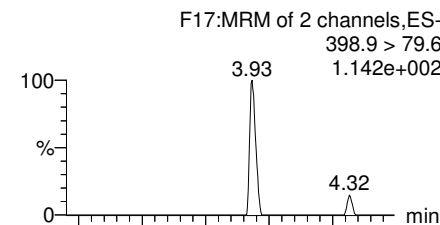
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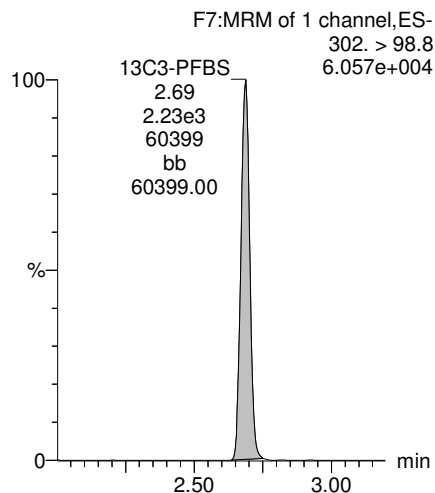
**PFHpA**



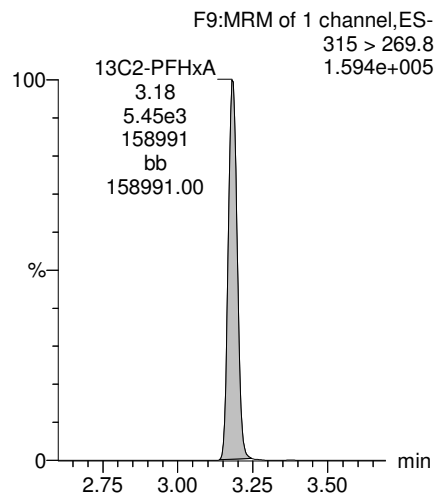
**Total PFHxS**



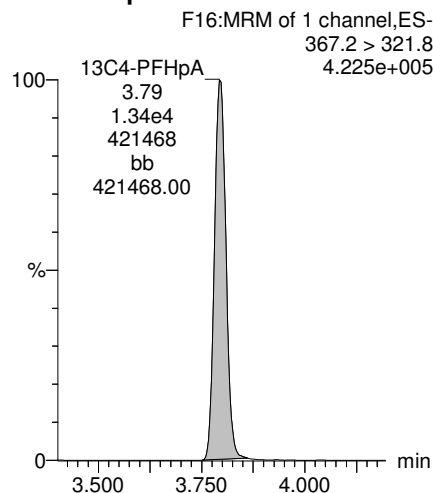
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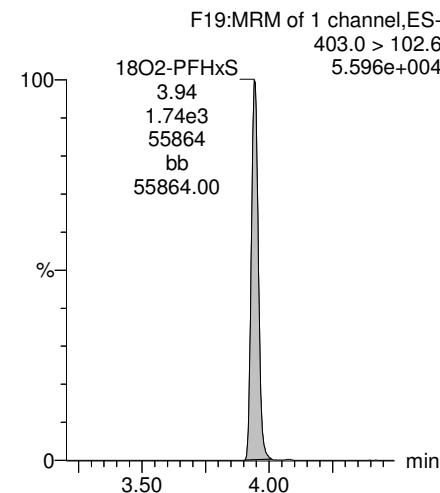
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

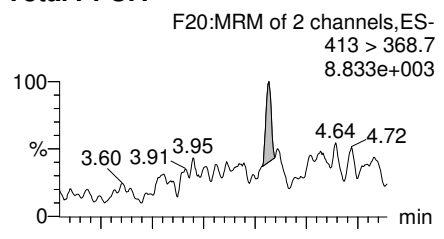


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

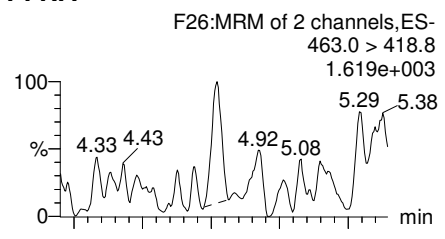
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Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

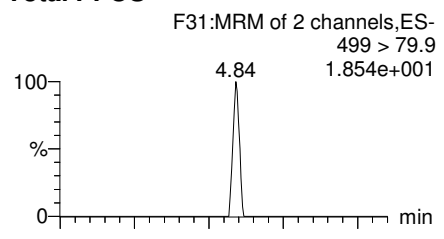
**Total PFOA**



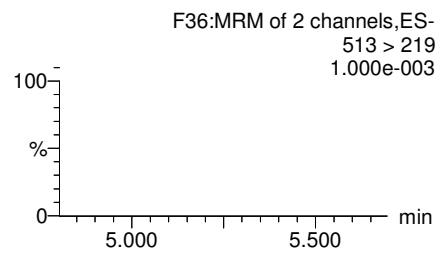
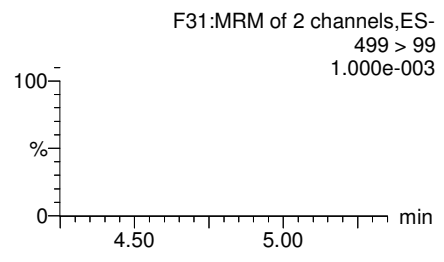
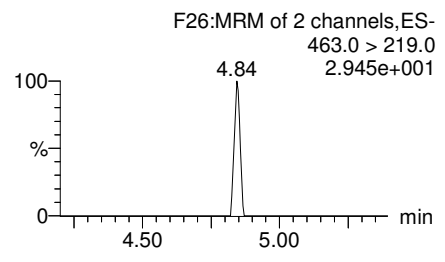
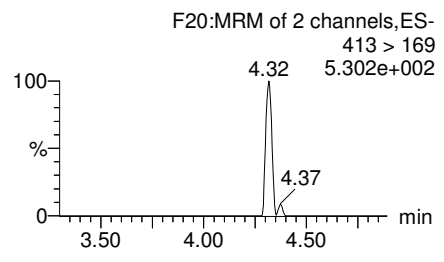
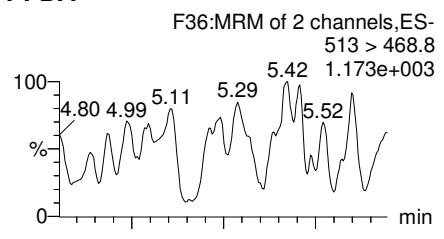
**PFNA**



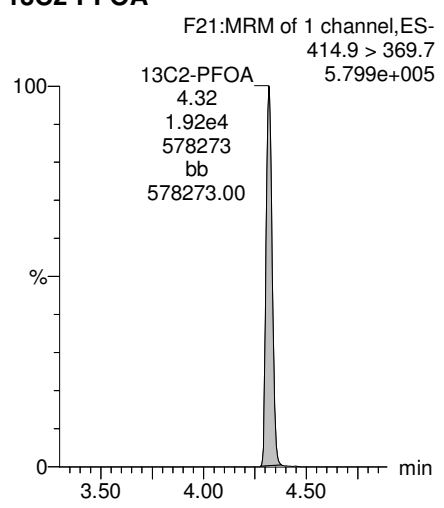
**Total PFOS**



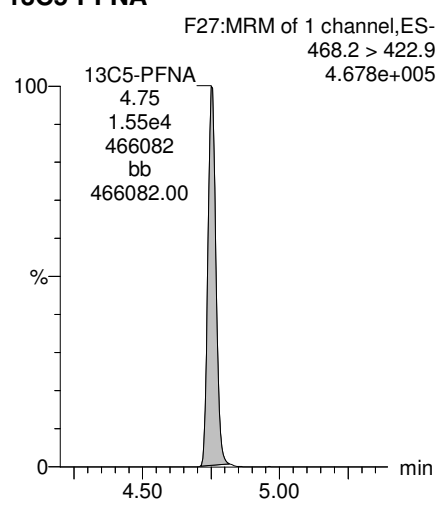
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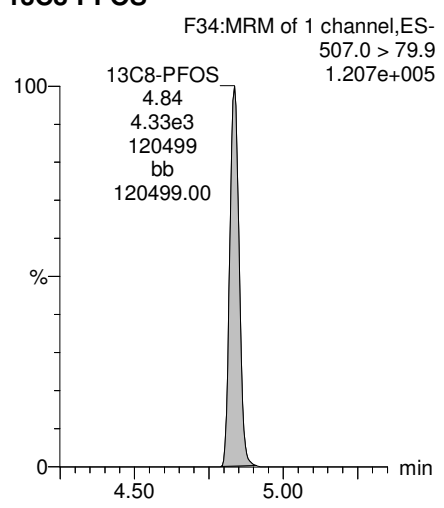
**13C2-PFOA**



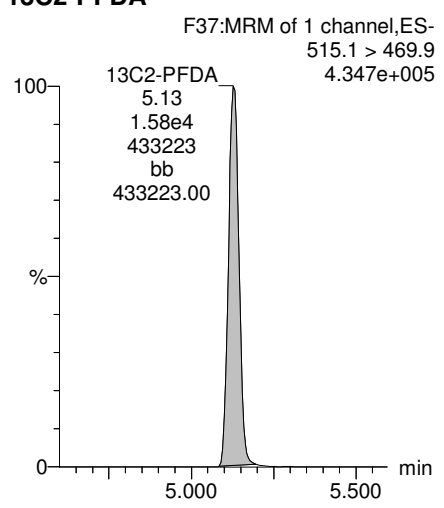
**13C5-PFNA**



**13C8-PFOS**



**13C2-PFDA**

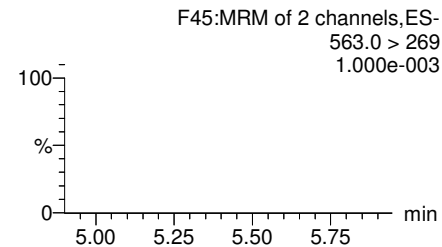
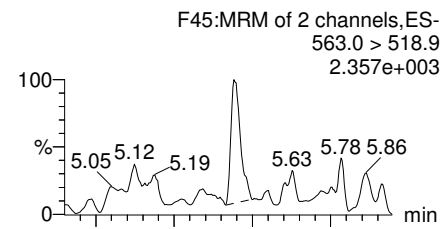


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

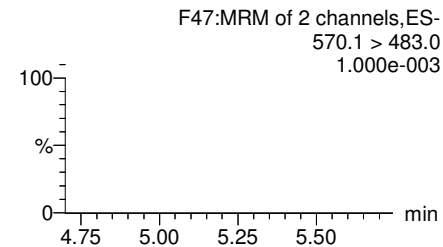
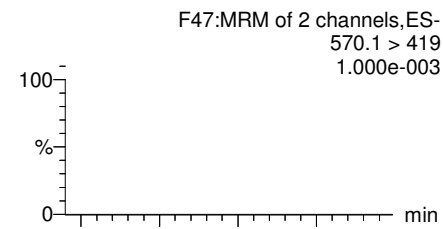
Last Altered: Friday, March 09, 2018 15:05:05 Pacific Standard Time  
Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

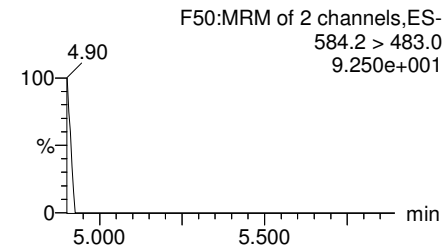
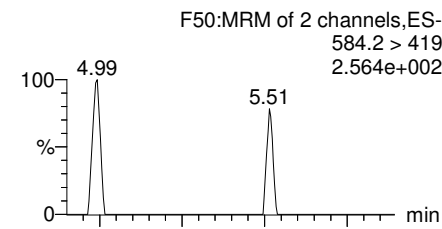
**PFUdA**



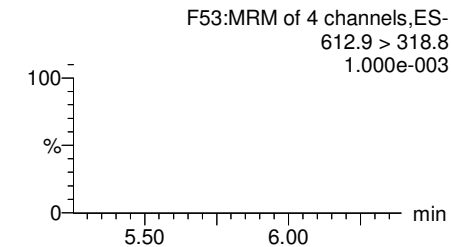
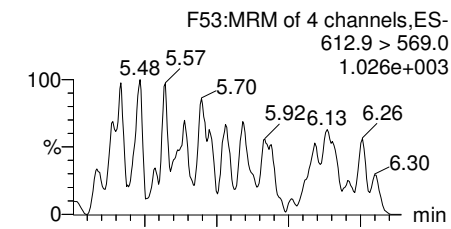
**N-MeFOSAA**



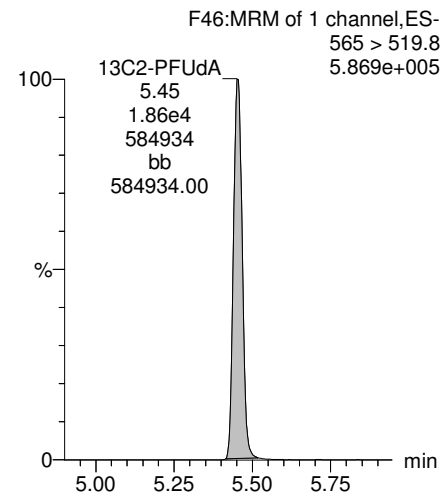
**N-EtFOSAA**



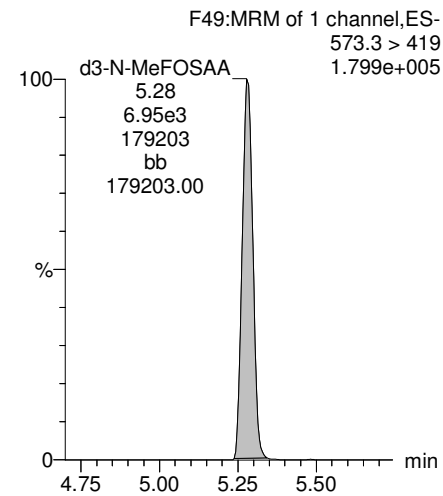
**PFDaA**



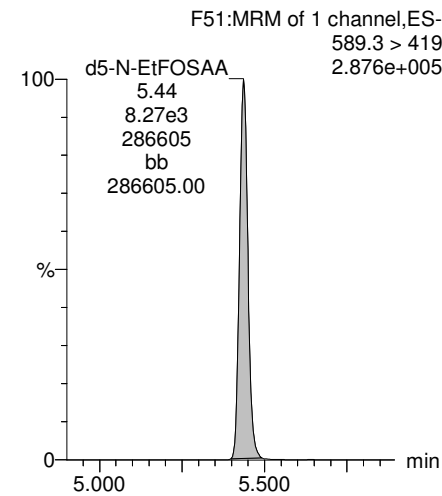
**13C2-PFUdA**



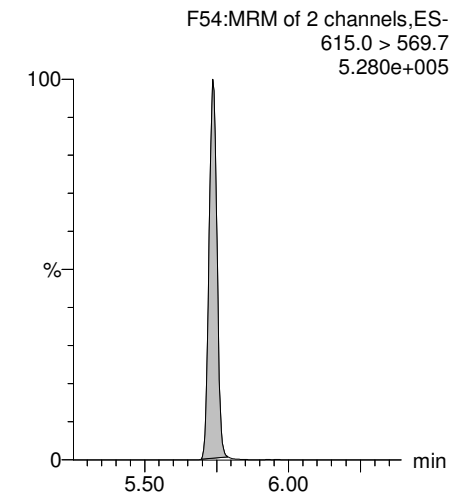
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



**13C2-PFDaA**

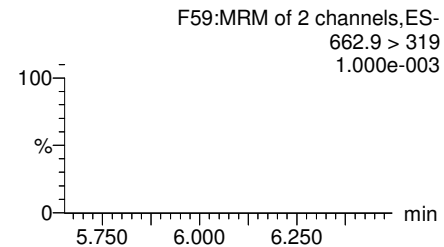
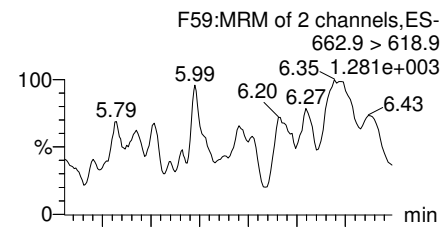


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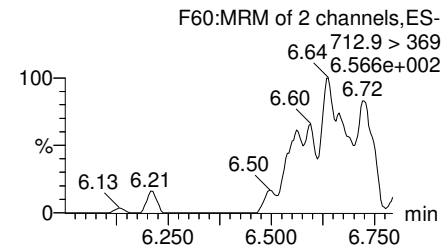
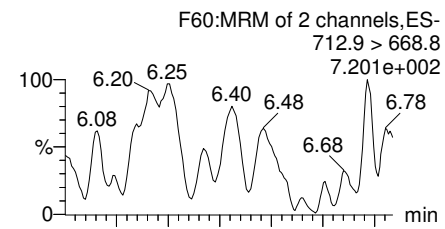
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Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

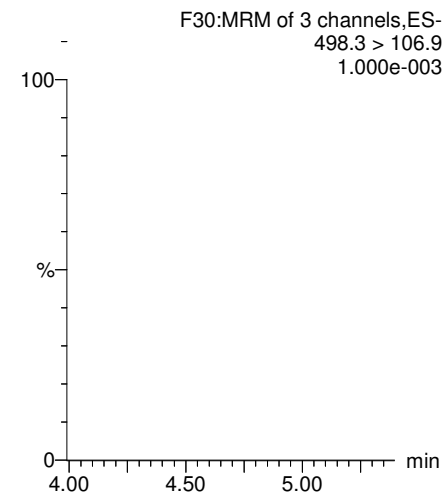
**PFTrDA**



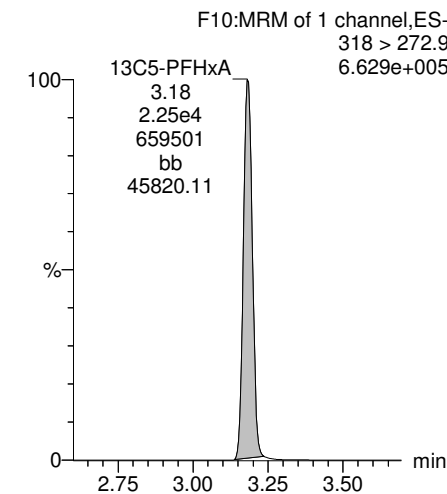
**PFTeDA**



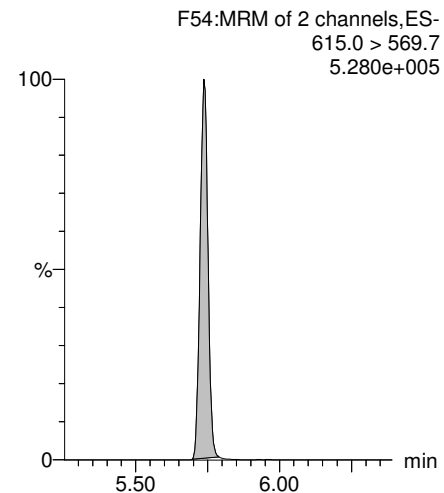
**TCDA**



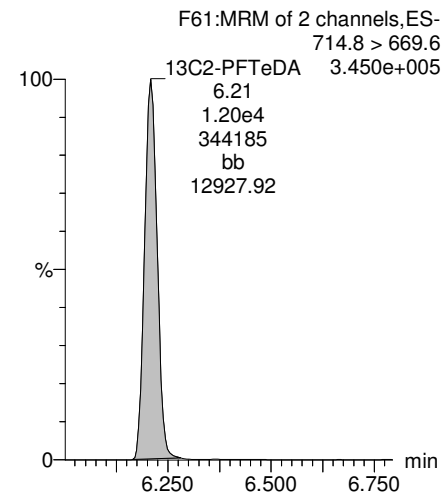
**13C5-PFHxA**



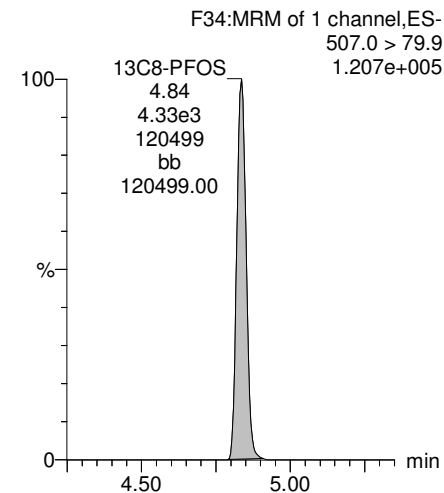
**13C2-PFDoA**



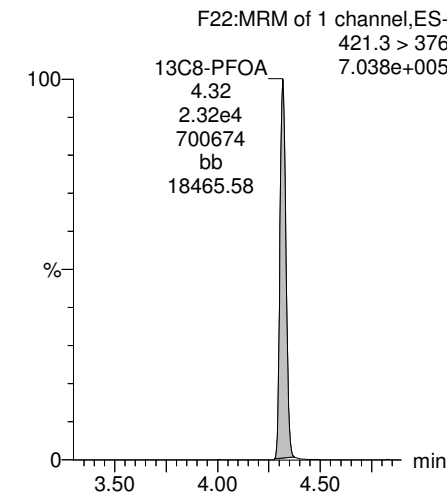
**13C2-PFTeDA**



**13C8-PFOS**



**13C8-PFOA**

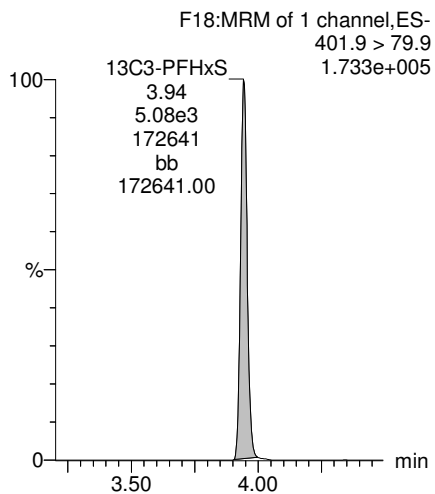


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-77.qld

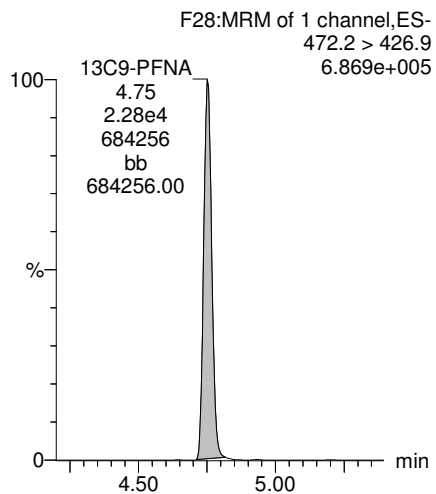
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Printed: Friday, March 09, 2018 15:05:52 Pacific Standard Time

Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16, Description: WI-AF-SB611P-0103-0218

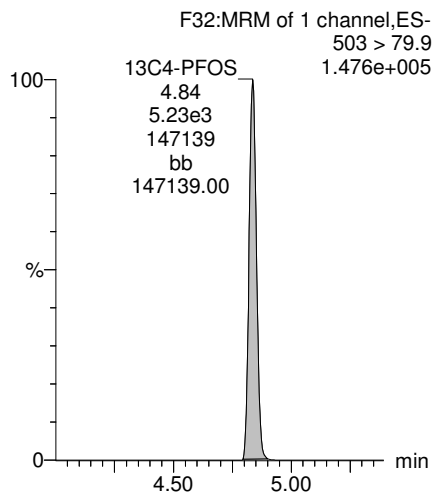
### 13C3-PFHxS



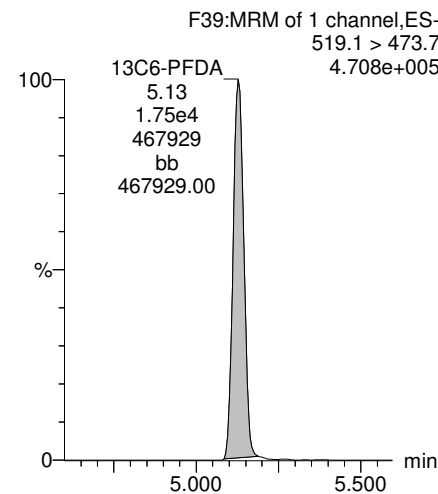
### 13C9-PFNA



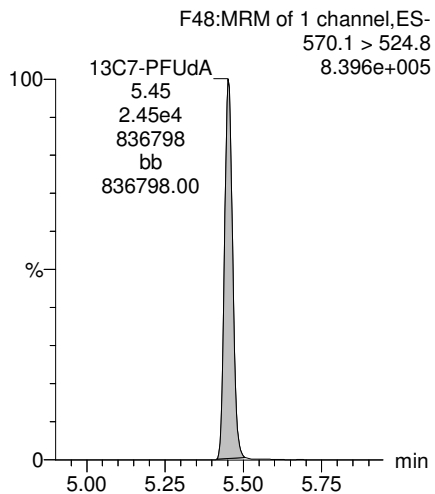
### 13C4-PFOS



### 13C6-PFDA



### 13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-78.qld

Last Altered: Saturday, March 10, 2018 12:33:39 Pacific Standard Time

Printed: Saturday, March 10, 2018 12:34:05 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		2.71e3	0.970		2.98				
2	5 PFHxA	313.2 > 268.9		6.69e3	0.970		3.48				
3	7 PFHpA	363.0 > 318.9		1.66e4	0.970		4.10				
4	8 L-PFHxS	398.9 > 79.6	4.38e0	2.10e3	0.970		4.24	3.95	0.0260		
5	11 L-PFOA	413 > 368.7		2.32e4	0.970		4.45				
6	14 PFNA	463.0 > 418.8		1.99e4	0.970		5.04				
7	16 L-PFOS	499 > 79.9	3.07e0	5.74e3	0.970		4.84	4.72	0.00668	0.2416	
8	18 PFDA	513 > 468.8		1.84e4	0.970		5.40				
9	21 N-MeFOSAA	570.1 > 419		8.01e3	0.970		5.55				
10	22 N-EtFOSAA	584.2 > 419		8.96e3	0.970		5.70				
11	23 PFUdA	563.0 > 518.9		1.69e4	0.970		5.72				

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-78.qld

Last Altered: Saturday, March 10, 2018 12:33:39 Pacific Standard Time

Printed: Saturday, March 10, 2018 12:34:16 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25 PFDa	612.9 > 569.0		1.72e4	0.970		5.99				
2	27 PFTrDA	662.9 > 618.9		1.72e4	0.970		6.22				
3	28 PFTeDA	712.9 > 668.8		1.32e4	0.970		6.41				
4	36 13C3-PFBS	302. > 98.8	2.71e3	2.53e4	0.970	0.096	2.98	2.68	1.34	14.3430	111.3
5	37 13C2-PFHxA	315 > 269.8	6.69e3	2.53e4	0.970	0.697	3.48	3.18	3.31	4.8940	95.0
6	38 13C4-PFHpA	367.2 > 321.8	1.66e4	2.53e4	0.970	0.683	4.10	3.79	8.24	12.4194	96.4
7	39 18O2-PFHxS	403.0 > 102.6	2.10e3	5.72e3	0.970	0.387	4.24	3.94	4.59	12.2056	94.7
8	40 13C2-6:2 FTS	429.1 > 408.9	6.01e3	2.48e4	0.970	0.238	4.56	4.26	3.03	13.1175	101.8
9	41 13C2-PFOA	414.9 > 369.7	2.32e4	2.48e4	0.970	1.079	4.61	4.32	11.7	11.1561	86.6
10	42 13C5-PFNA	468.2 > 422.9	1.99e4	2.45e4	0.970	0.853	5.04	4.75	10.2	12.2859	95.4
11	43 13C8-PFOSA	506.1 > 77.7	2.13e3	2.62e4	0.970	0.159	5.09	4.83	1.02	6.5702	51.0
12	44 13C8-PFOS	507.0 > 79.9	5.74e3	6.39e3	0.970	0.934	5.11	4.84	11.2	12.4007	96.3
13	45 13C2-PFDA	515.1 > 469.9	1.84e4	2.42e4	0.970	0.898	5.40	5.13	9.49	10.8832	84.5
14	46 13C2-8:2 FTS	529.1 > 508.7	3.99e3	2.53e4	0.970	0.170	5.38	5.10	1.98	11.9817	93.0
15	47 d3-N-MeFOSAA	573.3 > 419	8.01e3	2.62e4	0.970	0.372	5.55	5.28	3.82	10.5651	82.0
16	48 d5-N-EtFOSAA	589.3 > 419	8.96e3	2.62e4	0.970	0.385	5.70	5.44	4.27	11.4408	88.8
17	49 13C2-PFUdA	565 > 519.8	1.69e4	2.62e4	0.970	0.961	5.72	5.45	8.07	8.6600	67.2
18	50 13C2-PFDoA	615.0 > 569.7	1.72e4	2.62e4	0.970	0.864	5.99	5.74	8.21	9.7964	76.0
19	51 d3-N-MeFOSA	515.2 > 168.9		2.62e4	0.970	0.080	5.93				
20	52 13C2-PFTeDA	714.8 > 669.6	1.32e4	2.62e4	0.970	0.692	6.41	6.21	6.29	9.3773	72.8
21	53 d5-N-ETFOSA	531.1 > 168.9		2.62e4	0.970	0.113	6.25				
22	54 13C2-PFHxDA	815 > 769.7	1.47e4	2.62e4	0.970	1.397	6.69	6.55	6.99	5.1592	100.1
23	55 d7-N-MeFOSE	623.1 > 58.9		2.62e4	0.970	0.090	6.31				
24	56 d9-N-EtFOSE	639.2 > 58.8		2.62e4	0.970	0.084	6.45				
25	57 13C4-PFBA	217. > 171.8	1.61e4	1.61e4	0.970	1.000	1.73	1.44	12.5	12.8821	100.0
26	58 13C5-PFHxA	318 > 272.9	2.53e4	2.53e4	0.970	1.000	3.48	3.18	12.5	12.8821	100.0
27	59 13C3-PFHxS	401.9 > 79.9	5.72e3	5.72e3	0.970	1.000	4.24	3.94	12.5	12.8821	100.0
28	60 13C8-PFOA	421.3 > 376	2.48e4	2.48e4	0.970	1.000	4.61	4.32	12.5	12.8821	100.0
29	61 13C9-PFNA	472.2 > 426.9	2.45e4	2.45e4	0.970	1.000	4.70	4.75	12.5	12.8821	100.0
30	62 13C4-PFOS	503 > 79.9	6.39e3	6.39e3	0.970	1.000	5.11	4.84	12.5	12.8821	100.0
31	63 13C6-PFDA	519.1 > 473.7	2.42e4	2.42e4	0.970	1.000	5.40	5.13	12.5	12.8821	100.0
32	64 13C7-PFUdA	570.1 > 524.8	2.62e4	2.62e4	0.970	1.000	5.72	5.45	12.5	12.8821	100.0

GM for AD 3/10/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-78.qld

Last Altered: Saturday, March 10, 2018 12:33:39 Pacific Standard Time

Printed: Saturday, March 10, 2018 12:34:16 Pacific Standard Time

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65 Total PFHxS	398.9 > 79.6	4.38e0	2.10e3	0.970		4.24		0.000		
34	66 Total PFOA	413 > 368.7	0.00e0	2.32e4	0.970		4.61		0.000		
35	67 Total PFOS	499 > 79.9	3.07e0	5.74e3	0.970		5.11		0.00668	0.2416	

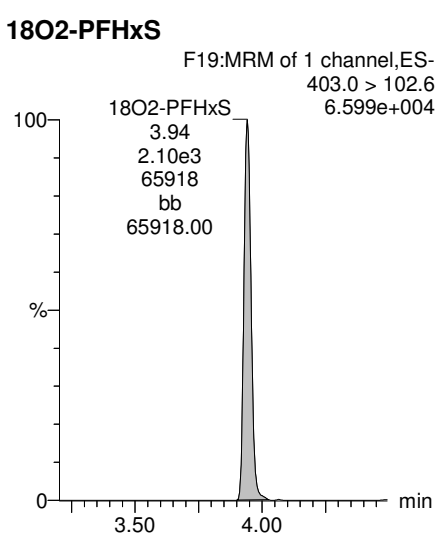
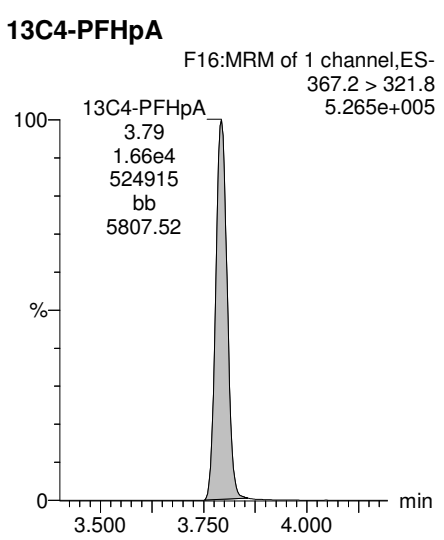
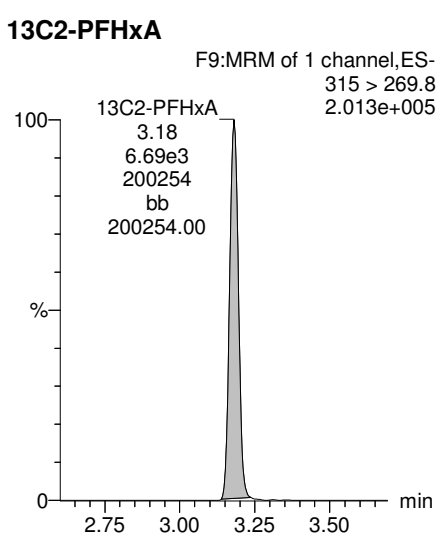
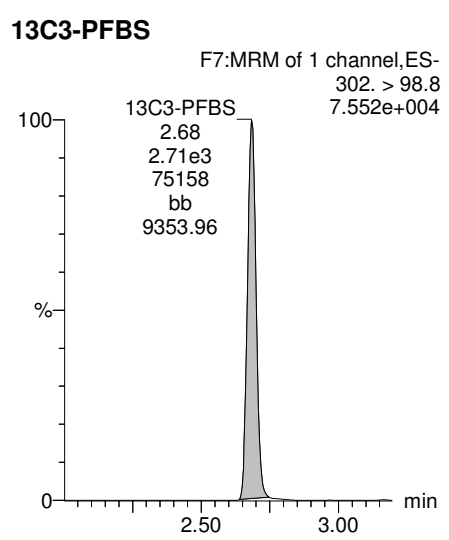
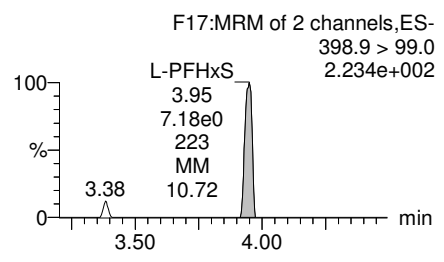
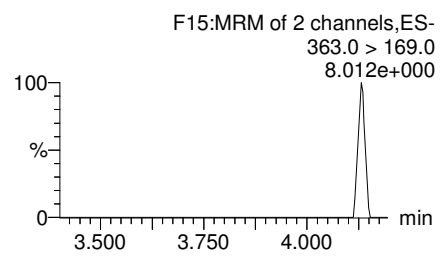
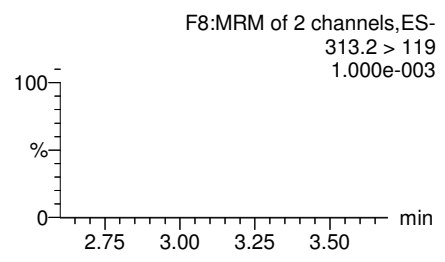
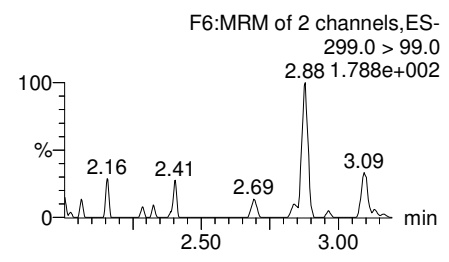
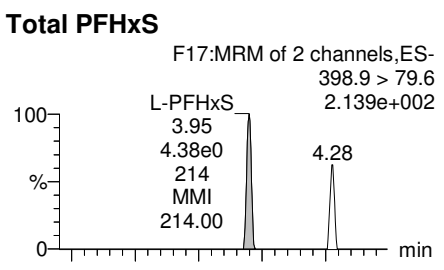
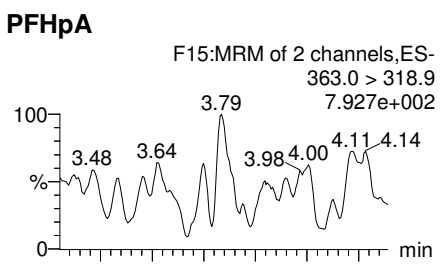
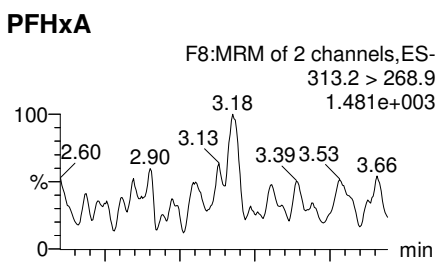
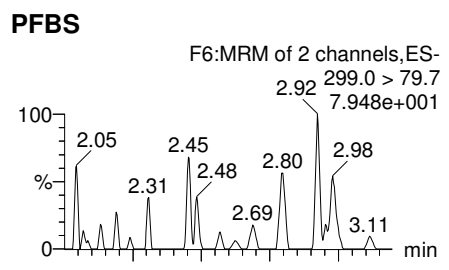


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Last Altered: Saturday, March 10, 2018 12:33:39 Pacific Standard Time  
Printed: Saturday, March 10, 2018 12:34:16 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 14:08:10  
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218



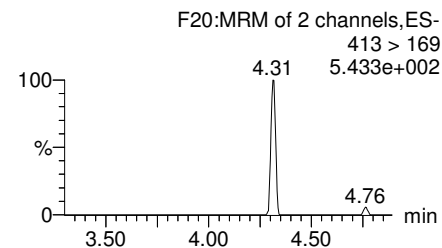
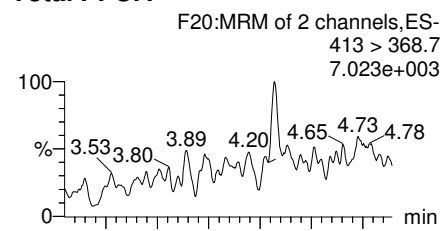
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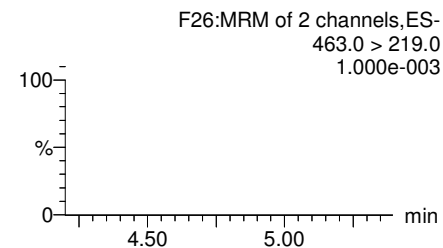
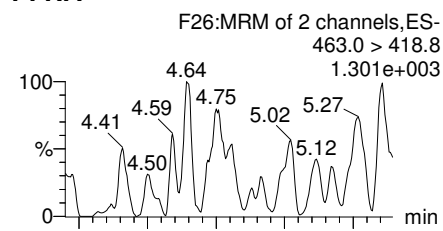
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Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

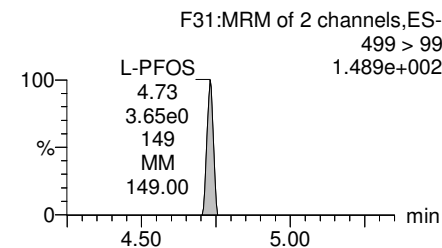
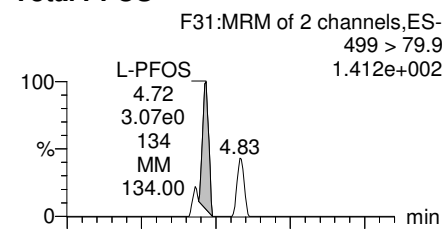
### Total PFOA



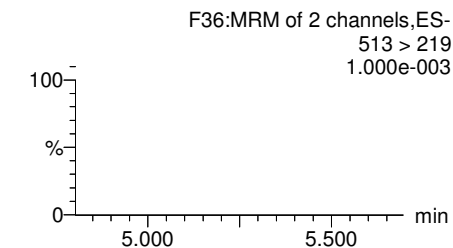
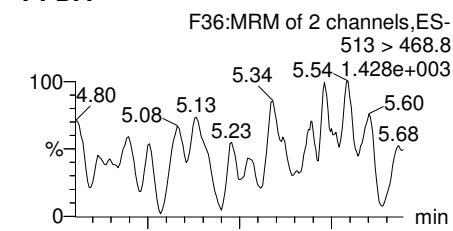
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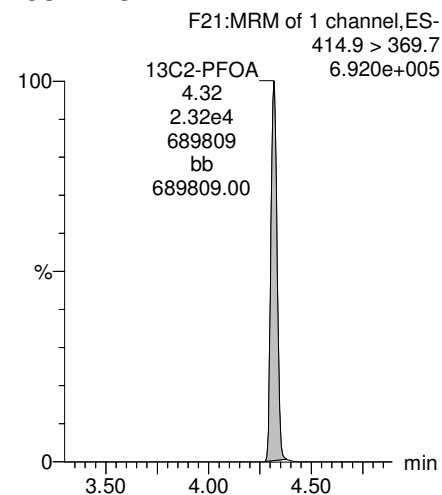
### Total PFOS



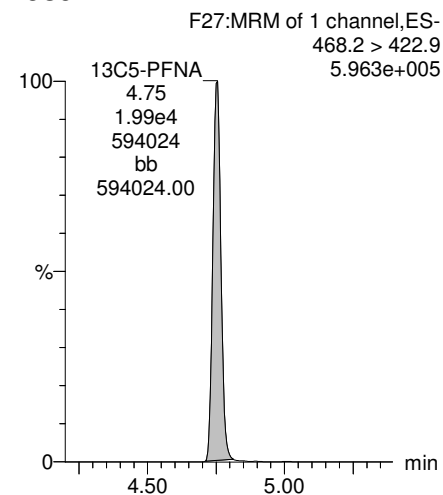
### PFDA



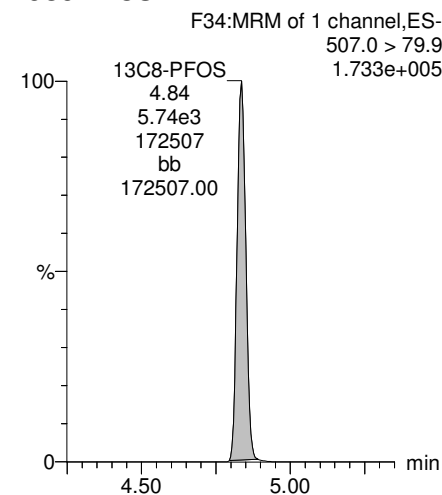
### 13C2-PFOA



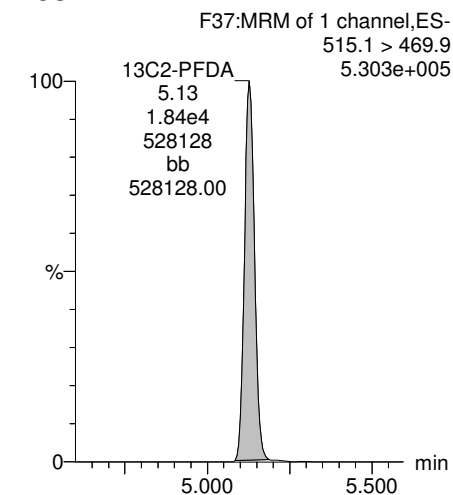
### 13C5-PFNA



### 13C8-PFOS



### 13C2-PFDA



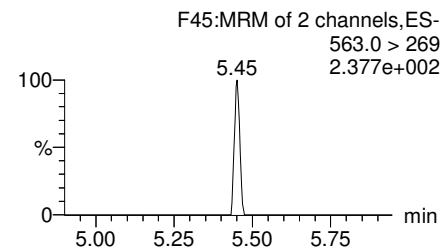
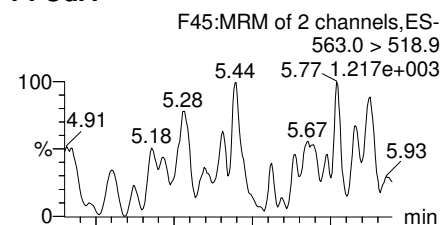
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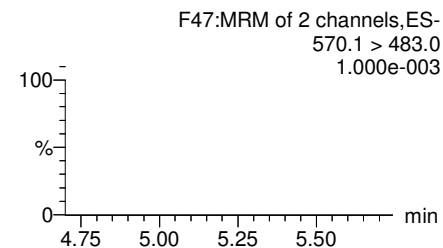
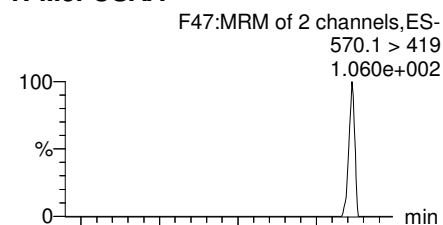
Printed: Saturday, March 10, 2018 12:34:16 Pacific Standard Time

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

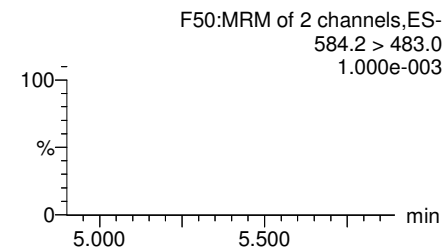
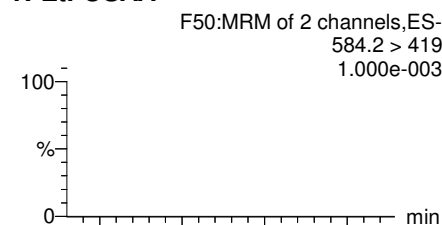
**PFUdA**



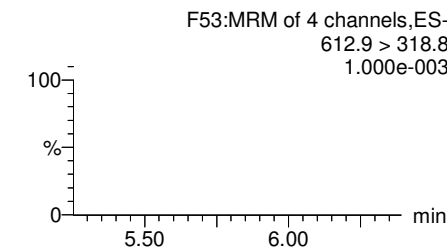
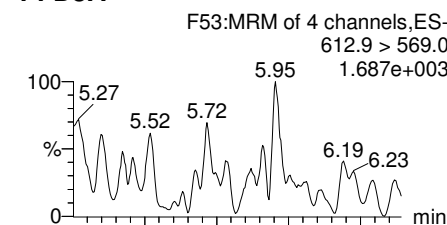
**N-MeFOSAA**



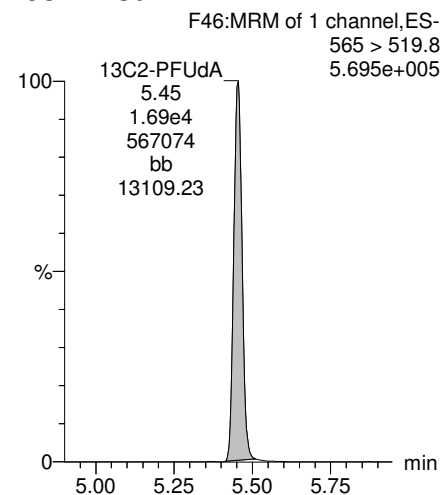
**N-EtFOSAA**



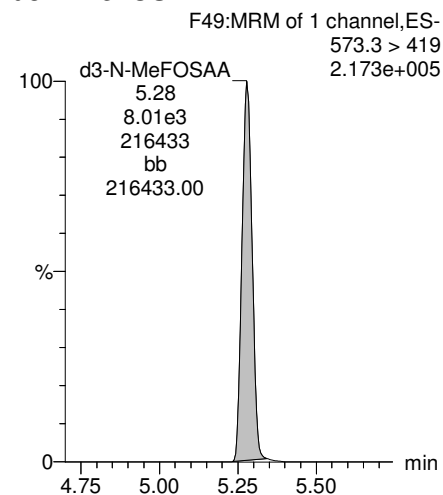
**PFDoA**



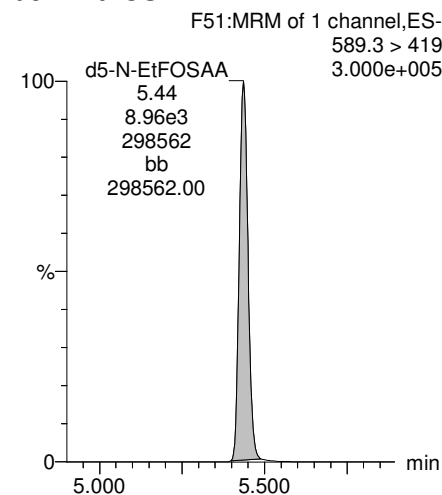
**13C2-PFUdA**



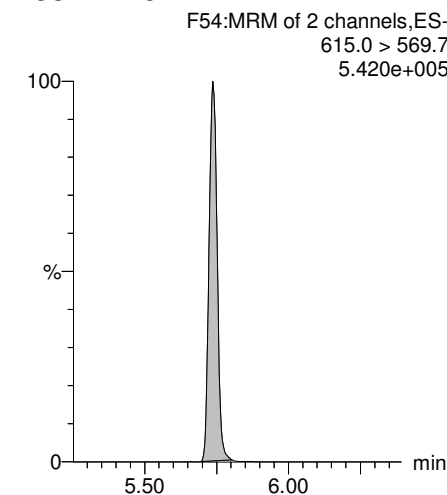
**d3-N-MeFOSAA**



**d5-N-EtFOSAA**



**13C2-PFDoA**

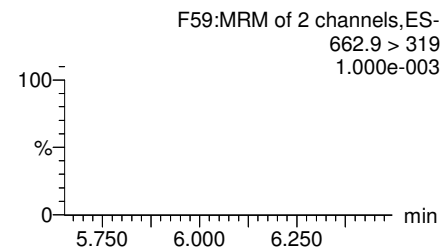
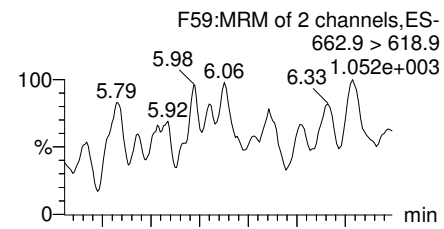


Dataset: Z:\Projects\PFAS.PRO\Results\180307M1\180307M1-78.qld

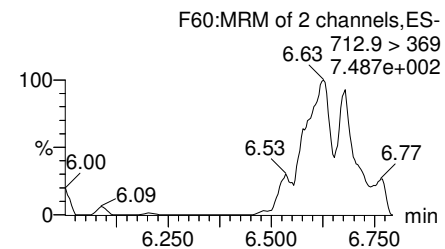
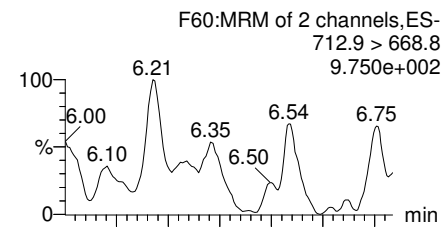
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Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

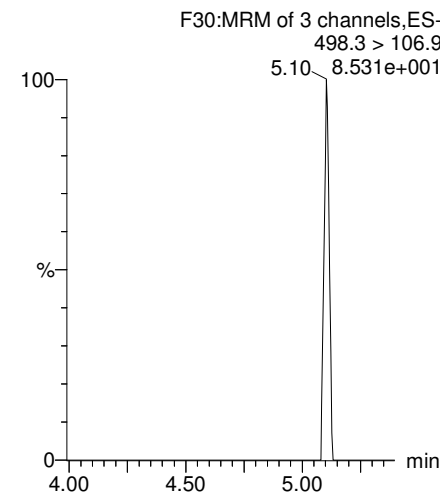
**PFTrDA**



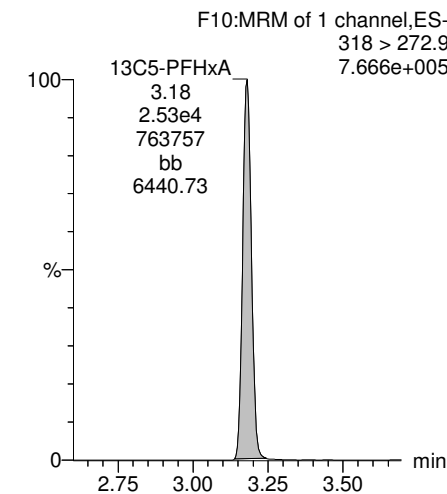
**PFTeDA**



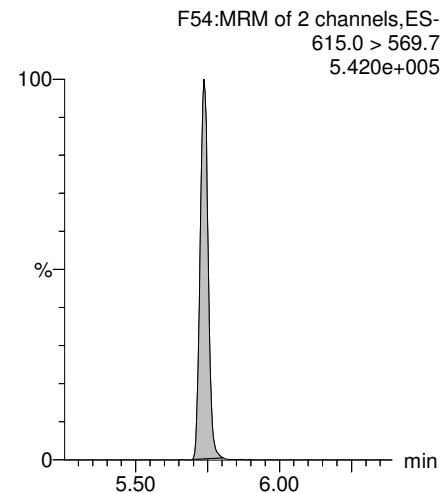
**TCDA**



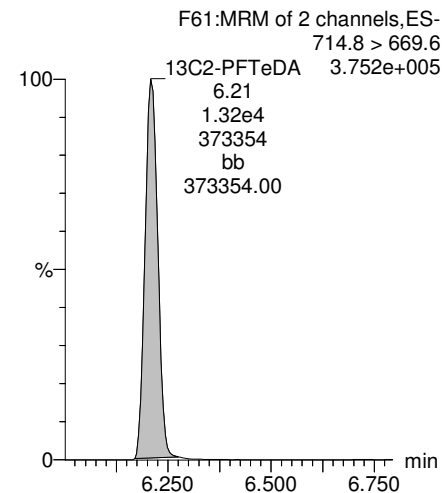
**13C5-PFHxA**



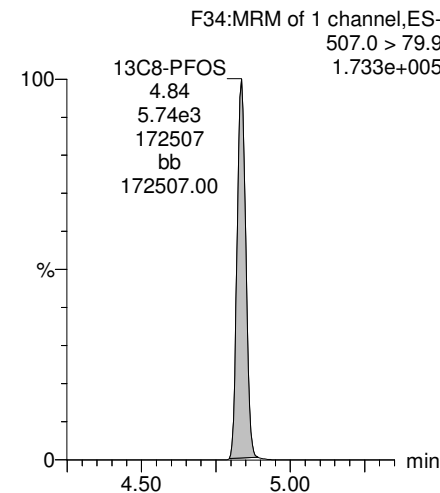
**13C2-PFDoA**



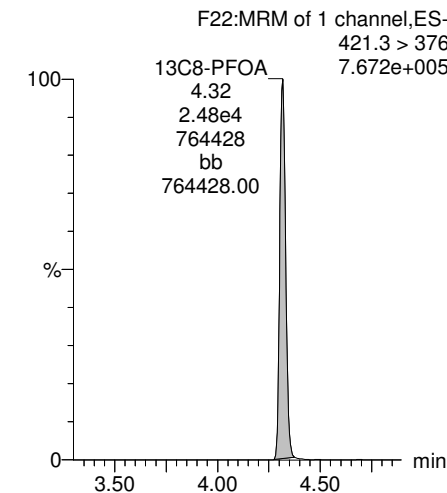
**13C2-PFTeDA**



**13C8-PFOS**



**13C8-PFOA**



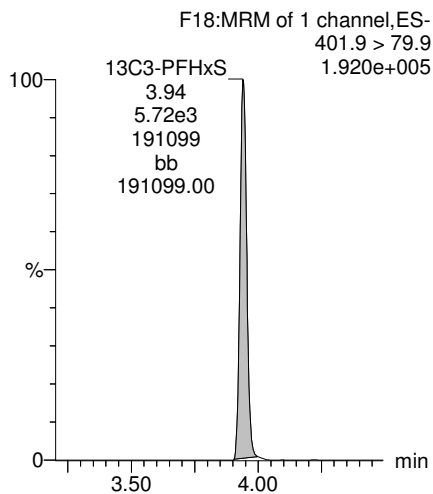
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Last Altered: Saturday, March 10, 2018 12:33:39 Pacific Standard Time

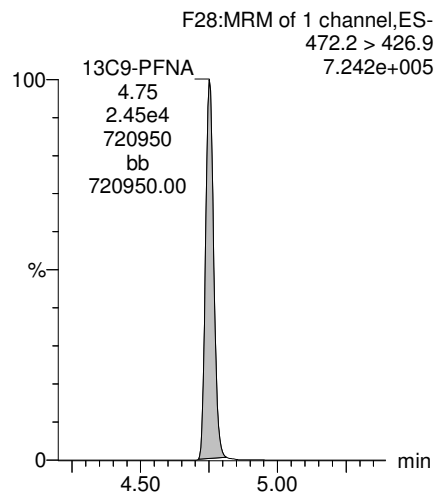
Printed: Saturday, March 10, 2018 12:34:16 Pacific Standard Time

Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1, Description: WI-AF-SB611-1213-0218

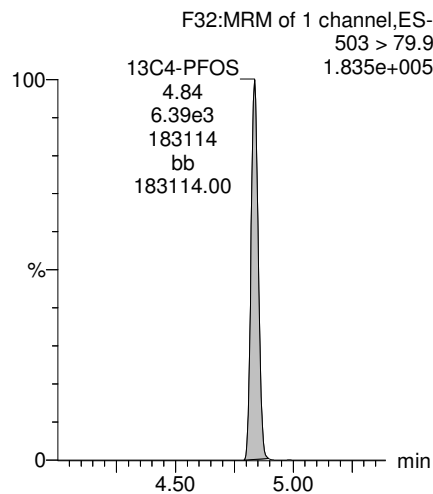
### 13C3-PFHxS



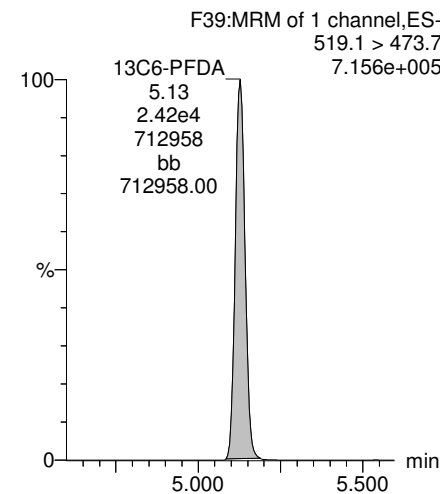
### 13C9-PFNA



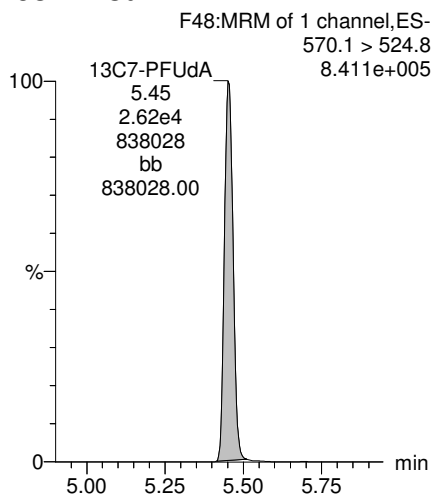
### 13C4-PFOS



### 13C6-PFDA



### 13C7-PFUdA



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

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\IIS.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_RS-2-5-18.mdb 06 Feb 2018 10:46:28

Calibration: 09 Mar 2018 12:50:20

Name: 180307M2\_7, Date: 08-Mar-2018, Time: 08:39:12, ID: ST180307M1-6 PFC CS3 18B2818, Description: PFC CS3 18B2818

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-6 PFC CS3 18B2818	9.97e3	100.0	NO
2	2 13C5-PFHxA	ST180307M1-6 PFC CS3 18B2818	2.42e4	100.0	NO
3	3 13C3-PFHxS	ST180307M1-6 PFC CS3 18B2818	4.34e3	100.0	NO
4	4 13C8-PFOA	ST180307M1-6 PFC CS3 18B2818	2.37e4	100.0	NO
5	5 13C9-PFNA	ST180307M1-6 PFC CS3 18B2818	2.56e4	100.0	NO
6	6 13C4-PFOS	ST180307M1-6 PFC CS3 18B2818	5.48e3	100.0	NO
7	7 13C6-PFDA	ST180307M1-6 PFC CS3 18B2818	2.34e4	100.0	NO
8	8 13C7-PFUDa	ST180307M1-6 PFC CS3 18B2818	2.40e4	100.0	NO

Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-7 PFC CS4 18B2819	1.04e4	104.0	NO
2	2 13C5-PFHxA	ST180307M1-7 PFC CS4 18B2819	2.36e4	97.7	NO
3	3 13C3-PFHxS	ST180307M1-7 PFC CS4 18B2819	4.63e3	106.8	NO
4	4 13C8-PFOA	ST180307M1-7 PFC CS4 18B2819	2.18e4	91.7	NO
5	5 13C9-PFNA	ST180307M1-7 PFC CS4 18B2819	1.89e4	73.6	NO
6	6 13C4-PFOS	ST180307M1-7 PFC CS4 18B2819	4.46e3	81.3	NO
7	7 13C6-PFDA	ST180307M1-7 PFC CS4 18B2819	1.72e4	73.5	NO
8	8 13C7-PFUDa	ST180307M1-7 PFC CS4 18B2819	2.39e4	99.6	NO

Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-8 PFC CS5 18B2820	1.11e4	111.1	NO
2	2 13C5-PFHxA	ST180307M1-8 PFC CS5 18B2820	2.32e4	96.1	NO
3	3 13C3-PFHxS	ST180307M1-8 PFC CS5 18B2820	4.46e3	102.9	NO
4	4 13C8-PFOA	ST180307M1-8 PFC CS5 18B2820	1.99e4	83.8	NO
5	5 13C9-PFNA	ST180307M1-8 PFC CS5 18B2820	2.23e4	86.8	NO
6	6 13C4-PFOS	ST180307M1-8 PFC CS5 18B2820	5.16e3	94.0	NO
7	7 13C6-PFDA	ST180307M1-8 PFC CS5 18B2820	2.53e4	108.2	NO
8	8 13C7-PFUDa	ST180307M1-8 PFC CS5 18B2820	2.19e4	91.2	NO

Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-9 PFC CS6 18B2821	1.13e4	113.7	NO
2	2 13C5-PFHxA	ST180307M1-9 PFC CS6 18B2821	2.15e4	89.1	NO
3	3 13C3-PFHxS	ST180307M1-9 PFC CS6 18B2821	3.87e3	89.3	NO
4	4 13C8-PFOA	ST180307M1-9 PFC CS6 18B2821	1.99e4	83.9	NO
5	5 13C9-PFNA	ST180307M1-9 PFC CS6 18B2821	2.17e4	84.5	NO
6	6 13C4-PFOS	ST180307M1-9 PFC CS6 18B2821	4.26e3	77.6	NO
7	7 13C6-PFDA	ST180307M1-9 PFC CS6 18B2821	2.26e4	96.5	NO
8	8 13C7-PFUDa	ST180307M1-9 PFC CS6 18B2821	2.09e4	87.1	NO

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\IIS.qld

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**Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-10 PFC CS7 18B2822	1.10e4	110.5	NO
2	2 13C5-PFHxA	ST180307M1-10 PFC CS7 18B2822	2.13e4	88.1	NO
3	3 13C3-PFHxS	ST180307M1-10 PFC CS7 18B2822	4.22e3	97.2	NO
4	4 13C8-PFOA	ST180307M1-10 PFC CS7 18B2822	1.98e4	83.4	NO
5	5 13C9-PFNA	ST180307M1-10 PFC CS7 18B2822	1.84e4	72.0	NO
6	6 13C4-PFOS	ST180307M1-10 PFC CS7 18B2822	4.69e3	85.5	NO
7	7 13C6-PFDA	ST180307M1-10 PFC CS7 18B2822	2.02e4	86.2	NO
8	8 13C7-PFUDa	ST180307M1-10 PFC CS7 18B2822	1.91e4	79.4	NO

**Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, 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: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV180307M1-1 PFC ICV 18B2812	9.99e3	100.3	NO
2	2 13C5-PFHxA	ICV180307M1-1 PFC ICV 18B2812	2.21e4	91.7	NO
3	3 13C3-PFHxS	ICV180307M1-1 PFC ICV 18B2812	4.19e3	96.6	NO
4	4 13C8-PFOA	ICV180307M1-1 PFC ICV 18B2812	2.15e4	90.5	NO
5	5 13C9-PFNA	ICV180307M1-1 PFC ICV 18B2812	2.37e4	92.3	NO
6	6 13C4-PFOS	ICV180307M1-1 PFC ICV 18B2812	5.00e3	91.1	NO
7	7 13C6-PFDA	ICV180307M1-1 PFC ICV 18B2812	2.18e4	93.2	NO
8	8 13C7-PFUDa	ICV180307M1-1 PFC ICV 18B2812	2.50e4	104.1	NO

**Name: 180307M2\_14, Date: 08-Mar-2018, Time: 09:59:36, 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	6.29e0	0.0	YES



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**Name: 180307M2\_15, Date: 08-Mar-2018, Time: 10:11:05, ID: B8B0163-BS1 OPR 0.125, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0163-BS1 OPR 0.125	9.13e3	91.6	NO
2	2 13C5-PFHxA	B8B0163-BS1 OPR 0.125	1.49e4	61.9	NO
3	3 13C3-PFHxS	B8B0163-BS1 OPR 0.125	2.79e3	64.3	NO
4	4 13C8-PFOA	B8B0163-BS1 OPR 0.125	1.24e4	52.2	NO
5	5 13C9-PFNA	B8B0163-BS1 OPR 0.125	1.56e4	61.0	NO
6	6 13C4-PFOS	B8B0163-BS1 OPR 0.125	2.93e3	53.5	NO
7	7 13C6-PFDA	B8B0163-BS1 OPR 0.125	1.60e4	68.5	NO
8	8 13C7-PFUDa	B8B0163-BS1 OPR 0.125	1.75e4	72.9	NO

**Name: 180307M2\_16, Date: 08-Mar-2018, Time: 10:22:35, ID: B8B0163-BSD1 LCSD 0.125, Description: LCSD**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0163-BSD1 LCSD 0.125	9.81e3	98.5	NO
2	2 13C5-PFHxA	B8B0163-BSD1 LCSD 0.125	1.46e4	60.2	NO
3	3 13C3-PFHxS	B8B0163-BSD1 LCSD 0.125	2.64e3	60.8	NO
4	4 13C8-PFOA	B8B0163-BSD1 LCSD 0.125	1.52e4	64.1	NO
5	5 13C9-PFNA	B8B0163-BSD1 LCSD 0.125	1.35e4	52.6	NO
6	6 13C4-PFOS	B8B0163-BSD1 LCSD 0.125	3.13e3	57.1	NO
7	7 13C6-PFDA	B8B0163-BSD1 LCSD 0.125	1.60e4	68.3	NO
8	8 13C7-PFUDa	B8B0163-BSD1 LCSD 0.125	1.46e4	61.0	NO

**Name: 180307M2\_17, Date: 08-Mar-2018, Time: 10:34:05, ID: B8B0163-BLK1 Method Blank 0.125, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0163-BLK1 Method Blank 0.125	1.04e4	104.3	NO
2	2 13C5-PFHxA	B8B0163-BLK1 Method Blank 0.125	1.66e4	68.7	NO
3	3 13C3-PFHxS	B8B0163-BLK1 Method Blank 0.125	3.19e3	73.6	NO
4	4 13C8-PFOA	B8B0163-BLK1 Method Blank 0.125	1.39e4	58.4	NO
5	5 13C9-PFNA	B8B0163-BLK1 Method Blank 0.125	1.72e4	67.2	NO
6	6 13C4-PFOS	B8B0163-BLK1 Method Blank 0.125	3.67e3	66.9	NO
7	7 13C6-PFDA	B8B0163-BLK1 Method Blank 0.125	1.62e4	69.1	NO
8	8 13C7-PFUDa	B8B0163-BLK1 Method Blank 0.125	1.67e4	69.7	NO

**Name: 180307M2\_18, Date: 08-Mar-2018, Time: 10:45:32, ID: 1800356-01 WI-AF-SB-FB-022018 0.11754, Description: WI-AF-SB-FB-022018**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-01 WI-AF-SB-FB-022018 0.11...	9.20e3	92.4	NO
2	2 13C5-PFHxA	1800356-01 WI-AF-SB-FB-022018 0.11...	1.45e4	60.1	NO
3	3 13C3-PFHxS	1800356-01 WI-AF-SB-FB-022018 0.11...	2.95e3	68.0	NO
4	4 13C8-PFOA	1800356-01 WI-AF-SB-FB-022018 0.11...	1.40e4	59.0	NO
5	5 13C9-PFNA	1800356-01 WI-AF-SB-FB-022018 0.11...	1.49e4	58.2	NO
6	6 13C4-PFOS	1800356-01 WI-AF-SB-FB-022018 0.11...	3.70e3	67.4	NO
7	7 13C6-PFDA	1800356-01 WI-AF-SB-FB-022018 0.11...	1.43e4	60.9	NO
8	8 13C7-PFUDa	1800356-01 WI-AF-SB-FB-022018 0.11...	1.54e4	64.1	NO

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**Name: 180307M2\_19, Date: 08-Mar-2018, Time: 10:57:01, ID: 1800356-02 WI-AF-EB11-SO-0218 0.11967,**  
**Description: WI-AF-EB11-SO-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-02 WI-AF-EB11-SO-0218 0.11...	8.73e3	87.6	NO
2	2 13C5-PFHxA	1800356-02 WI-AF-EB11-SO-0218 0.11...	1.40e4	58.1	NO
3	3 13C3-PFHxS	1800356-02 WI-AF-EB11-SO-0218 0.11...	2.87e3	66.2	NO
4	4 13C8-PFOA	1800356-02 WI-AF-EB11-SO-0218 0.11...	1.36e4	57.4	NO
5	5 13C9-PFNA	1800356-02 WI-AF-EB11-SO-0218 0.11...	1.48e4	57.8	NO
6	6 13C4-PFOS	1800356-02 WI-AF-EB11-SO-0218 0.11...	3.07e3	55.9	NO
7	7 13C6-PFDA	1800356-02 WI-AF-EB11-SO-0218 0.11...	1.50e4	64.0	NO
8	8 13C7-PFUDa	1800356-02 WI-AF-EB11-SO-0218 0.11...	1.64e4	68.3	NO

**Name: 180307M2\_20, Date: 08-Mar-2018, Time: 11:08:27, ID: 1800361-01 WI-A06-EB01-021918 0.11631,**  
**Description: WI-A06-EB01-021918**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-01 WI-A06-EB01-021918 0.11...	9.74e3	97.8	NO
2	2 13C5-PFHxA	1800361-01 WI-A06-EB01-021918 0.11...	1.49e4	61.8	NO
3	3 13C3-PFHxS	1800361-01 WI-A06-EB01-021918 0.11...	2.69e3	62.1	NO
4	4 13C8-PFOA	1800361-01 WI-A06-EB01-021918 0.11...	1.45e4	61.2	NO
5	5 13C9-PFNA	1800361-01 WI-A06-EB01-021918 0.11...	1.46e4	56.9	NO
6	6 13C4-PFOS	1800361-01 WI-A06-EB01-021918 0.11...	3.00e3	54.7	NO
7	7 13C6-PFDA	1800361-01 WI-A06-EB01-021918 0.11...	1.37e4	58.5	NO
8	8 13C7-PFUDa	1800361-01 WI-A06-EB01-021918 0.11...	1.64e4	68.2	NO

**Name: 180307M2\_21, Date: 08-Mar-2018, Time: 11:19:57, ID: 1800361-02 WI-A06-MW-13-0218 0.12182,**  
**Description: WI-A06-MW-13-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-02 WI-A06-MW-13-0218 0.12...	8.11e3	81.3	NO
2	2 13C5-PFHxA	1800361-02 WI-A06-MW-13-0218 0.12...	1.26e4	52.1	NO
3	3 13C3-PFHxS	1800361-02 WI-A06-MW-13-0218 0.12...	2.66e3	61.4	NO
4	4 13C8-PFOA	1800361-02 WI-A06-MW-13-0218 0.12...	1.14e4	48.1	YES
5	5 13C9-PFNA	1800361-02 WI-A06-MW-13-0218 0.12...	1.34e4	52.3	NO
6	6 13C4-PFOS	1800361-02 WI-A06-MW-13-0218 0.12...	2.69e3	49.1	YES
7	7 13C6-PFDA	1800361-02 WI-A06-MW-13-0218 0.12...	1.04e4	44.6	YES
8	8 13C7-PFUDa	1800361-02 WI-A06-MW-13-0218 0.12...	1.36e4	56.7	NO

**Name: 180307M2\_22, Date: 08-Mar-2018, Time: 11:31:27, ID: 1800361-03 WI-A06-FB01-022018 0.12192,**  
**Description: WI-A06-FB01-022018**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-03 WI-A06-FB01-022018 0.12...	9.71e3	97.4	NO
2	2 13C5-PFHxA	1800361-03 WI-A06-FB01-022018 0.12...	1.54e4	63.8	NO
3	3 13C3-PFHxS	1800361-03 WI-A06-FB01-022018 0.12...	3.28e3	75.5	NO
4	4 13C8-PFOA	1800361-03 WI-A06-FB01-022018 0.12...	1.60e4	67.6	NO
5	5 13C9-PFNA	1800361-03 WI-A06-FB01-022018 0.12...	1.46e4	57.1	NO
6	6 13C4-PFOS	1800361-03 WI-A06-FB01-022018 0.12...	2.95e3	53.8	NO
7	7 13C6-PFDA	1800361-03 WI-A06-FB01-022018 0.12...	1.60e4	68.3	NO
8	8 13C7-PFUDa	1800361-03 WI-A06-FB01-022018 0.12...	1.80e4	75.0	NO

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**Name: 180307M2\_23, Date: 08-Mar-2018, Time: 11:42:57, ID: 1800361-04 WI-A06-6-DW-38A-0218 0.11965,**  
**Description: WI-A06-6-DW-38A-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-04 WI-A06-6-DW-38A-0218 0....	9.77e3	98.1	NO
2	2 13C5-PFHxA	1800361-04 WI-A06-6-DW-38A-0218 0....	1.47e4	61.0	NO
3	3 13C3-PFHxS	1800361-04 WI-A06-6-DW-38A-0218 0....	3.26e3	75.1	NO
4	4 13C8-PFOA	1800361-04 WI-A06-6-DW-38A-0218 0....	1.52e4	64.0	NO
5	5 13C9-PFNA	1800361-04 WI-A06-6-DW-38A-0218 0....	1.48e4	57.9	NO
6	6 13C4-PFOS	1800361-04 WI-A06-6-DW-38A-0218 0....	3.50e3	63.9	NO
7	7 13C6-PFDA	1800361-04 WI-A06-6-DW-38A-0218 0....	1.47e4	63.0	NO
8	8 13C7-PFUDa	1800361-04 WI-A06-6-DW-38A-0218 0....	1.44e4	59.9	NO

**Name: 180307M2\_24, Date: 08-Mar-2018, Time: 11:58:01, ID: 1800361-05 WI-A06-EB01-022018 0.12096,**  
**Description: WI-A06-EB01-022018**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-05 WI-A06-EB01-022018 0.12...	9.65e3	96.9	NO
2	2 13C5-PFHxA	1800361-05 WI-A06-EB01-022018 0.12...	1.49e4	61.7	NO
3	3 13C3-PFHxS	1800361-05 WI-A06-EB01-022018 0.12...	2.78e3	64.1	NO
4	4 13C8-PFOA	1800361-05 WI-A06-EB01-022018 0.12...	1.47e4	61.8	NO
5	5 13C9-PFNA	1800361-05 WI-A06-EB01-022018 0.12...	1.76e4	68.7	NO
6	6 13C4-PFOS	1800361-05 WI-A06-EB01-022018 0.12...	3.36e3	61.3	NO
7	7 13C6-PFDA	1800361-05 WI-A06-EB01-022018 0.12...	1.60e4	68.2	NO
8	8 13C7-PFUDa	1800361-05 WI-A06-EB01-022018 0.12...	1.78e4	74.2	NO

**Name: 180307M2\_25, Date: 08-Mar-2018, Time: 12:09:30, ID: 1800361-06 WI-A06-6-S-27-0218 0.1213,**  
**Description: WI-A06-6-S-27-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-06 WI-A06-6-S-27-0218 0.1213	8.67e3	87.0	NO
2	2 13C5-PFHxA	1800361-06 WI-A06-6-S-27-0218 0.1213	1.34e4	55.5	NO
3	3 13C3-PFHxS	1800361-06 WI-A06-6-S-27-0218 0.1213	3.26e3	75.0	NO
4	4 13C8-PFOA	1800361-06 WI-A06-6-S-27-0218 0.1213	1.37e4	57.9	NO
5	5 13C9-PFNA	1800361-06 WI-A06-6-S-27-0218 0.1213	1.44e4	56.2	NO
6	6 13C4-PFOS	1800361-06 WI-A06-6-S-27-0218 0.1213	2.76e3	50.4	NO
7	7 13C6-PFDA	1800361-06 WI-A06-6-S-27-0218 0.1213	1.21e4	51.8	NO
8	8 13C7-PFUDa	1800361-06 WI-A06-6-S-27-0218 0.1213	1.51e4	63.1	NO

**Name: 180307M2\_26, Date: 08-Mar-2018, Time: 12:21:00, ID: 1800361-07 WI-A06-6-S-28-0218 0.12084,**  
**Description: WI-A06-6-S-28-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-07 WI-A06-6-S-28-0218 0.120...	9.42e3	94.5	NO
2	2 13C5-PFHxA	1800361-07 WI-A06-6-S-28-0218 0.120...	1.49e4	61.8	NO
3	3 13C3-PFHxS	1800361-07 WI-A06-6-S-28-0218 0.120...	3.08e3	70.9	NO
4	4 13C8-PFOA	1800361-07 WI-A06-6-S-28-0218 0.120...	1.33e4	55.9	NO
5	5 13C9-PFNA	1800361-07 WI-A06-6-S-28-0218 0.120...	1.63e4	63.5	NO
6	6 13C4-PFOS	1800361-07 WI-A06-6-S-28-0218 0.120...	2.98e3	54.3	NO
7	7 13C6-PFDA	1800361-07 WI-A06-6-S-28-0218 0.120...	1.48e4	63.3	NO
8	8 13C7-PFUDa	1800361-07 WI-A06-6-S-28-0218 0.120...	1.37e4	57.2	NO

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**Name: 180307M2\_27, Date: 08-Mar-2018, Time: 12:32:30, ID: 1800361-08 WI-A06-FB01-022118 0.11778, Description: WI-A06-FB01-022118**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-08 WI-A06-FB01-022118 0.11...	9.57e3	96.0	NO
2	2 13C5-PFHxA	1800361-08 WI-A06-FB01-022118 0.11...	1.44e4	59.6	NO
3	3 13C3-PFHxS	1800361-08 WI-A06-FB01-022118 0.11...	3.02e3	69.6	NO
4	4 13C8-PFOA	1800361-08 WI-A06-FB01-022118 0.11...	1.31e4	55.2	NO
5	5 13C9-PFNA	1800361-08 WI-A06-FB01-022118 0.11...	1.72e4	66.9	NO
6	6 13C4-PFOS	1800361-08 WI-A06-FB01-022118 0.11...	2.71e3	49.4	YES
7	7 13C6-PFDA	1800361-08 WI-A06-FB01-022118 0.11...	1.61e4	68.8	NO
8	8 13C7-PFUdA	1800361-08 WI-A06-FB01-022118 0.11...	1.53e4	63.9	NO

**Name: 180307M2\_28, Date: 08-Mar-2018, Time: 12:43:59, ID: 1800361-09 WI-A06-MW-01-0218 0.12063, Description: WI-A06-MW-01-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-09 WI-A06-MW-01-0218 0.12...	5.38e3	54.0	NO
2	2 13C5-PFHxA	1800361-09 WI-A06-MW-01-0218 0.12...	9.47e3	39.2	YES
3	3 13C3-PFHxS	1800361-09 WI-A06-MW-01-0218 0.12...	3.14e3	72.5	NO
4	4 13C8-PFOA	1800361-09 WI-A06-MW-01-0218 0.12...	1.09e4	45.8	YES
5	5 13C9-PFNA	1800361-09 WI-A06-MW-01-0218 0.12...	1.27e4	49.6	YES
6	6 13C4-PFOS	1800361-09 WI-A06-MW-01-0218 0.12...	3.63e3	66.3	NO
7	7 13C6-PFDA	1800361-09 WI-A06-MW-01-0218 0.12...	1.25e4	53.3	NO
8	8 13C7-PFUdA	1800361-09 WI-A06-MW-01-0218 0.12...	1.29e4	53.7	NO

**Name: 180307M2\_29, Date: 08-Mar-2018, Time: 12:55:25, ID: 1800361-10 WI-A06-EB01-022118 0.12144, Description: WI-A06-EB01-022118**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800361-10 WI-A06-EB01-022118 0.12...	1.02e4	102.8	NO
2	2 13C5-PFHxA	1800361-10 WI-A06-EB01-022118 0.12...	1.47e4	60.7	NO
3	3 13C3-PFHxS	1800361-10 WI-A06-EB01-022118 0.12...	2.80e3	64.6	NO
4	4 13C8-PFOA	1800361-10 WI-A06-EB01-022118 0.12...	1.48e4	62.4	NO
5	5 13C9-PFNA	1800361-10 WI-A06-EB01-022118 0.12...	1.61e4	62.7	NO
6	6 13C4-PFOS	1800361-10 WI-A06-EB01-022118 0.12...	3.03e3	55.2	NO
7	7 13C6-PFDA	1800361-10 WI-A06-EB01-022118 0.12...	1.42e4	60.5	NO
8	8 13C7-PFUdA	1800361-10 WI-A06-EB01-022118 0.12...	1.76e4	73.1	NO

**Name: 180307M2\_30, Date: 08-Mar-2018, Time: 13:06:54, 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: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-11 PFC CS3 18B2317	9.83e3	98.6	NO
2	2 13C5-PFHxA	ST180307M1-11 PFC CS3 18B2317	2.26e4	93.4	NO
3	3 13C3-PFHxS	ST180307M1-11 PFC CS3 18B2317	4.38e3	101.0	NO
4	4 13C8-PFOA	ST180307M1-11 PFC CS3 18B2317	2.01e4	84.7	NO
5	5 13C9-PFNA	ST180307M1-11 PFC CS3 18B2317	2.32e4	90.6	NO
6	6 13C4-PFOS	ST180307M1-11 PFC CS3 18B2317	4.25e3	77.5	NO
7	7 13C6-PFDA	ST180307M1-11 PFC CS3 18B2317	1.85e4	79.0	NO
8	8 13C7-PFUdA	ST180307M1-11 PFC CS3 18B2317	2.25e4	93.9	NO

**Name: 180307M2\_32, Date: 08-Mar-2018, Time: 13:29:51, 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: 180307M2\_33, Date: 08-Mar-2018, Time: 13:41:21, ID: B8C0006-BS1 OPR 0.25, Description: OPR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0006-BS1 OPR 0.25	1.17e4	117.4	NO
2	2 13C5-PFHxA	B8C0006-BS1 OPR 0.25	1.78e4	73.6	NO
3	3 13C3-PFHxS	B8C0006-BS1 OPR 0.25	3.27e3	75.4	NO
4	4 13C8-PFOA	B8C0006-BS1 OPR 0.25	1.46e4	61.4	NO
5	5 13C9-PFNA	B8C0006-BS1 OPR 0.25	1.85e4	72.0	NO
6	6 13C4-PFOS	B8C0006-BS1 OPR 0.25	3.32e3	60.6	NO
7	7 13C6-PFDA	B8C0006-BS1 OPR 0.25	1.54e4	65.6	NO
8	8 13C7-PFUdA	B8C0006-BS1 OPR 0.25	1.59e4	66.1	NO

**Name: 180307M2\_34, Date: 08-Mar-2018, Time: 13:52:50, ID: B8C0006-BSD1 LCSD 0.25, Description: LCSD**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0006-BSD1 LCSD 0.25	1.13e4	113.0	NO
2	2 13C5-PFHxA	B8C0006-BSD1 LCSD 0.25	1.66e4	68.7	NO
3	3 13C3-PFHxS	B8C0006-BSD1 LCSD 0.25	3.26e3	75.1	NO
4	4 13C8-PFOA	B8C0006-BSD1 LCSD 0.25	1.66e4	70.0	NO
5	5 13C9-PFNA	B8C0006-BSD1 LCSD 0.25	1.60e4	62.3	NO
6	6 13C4-PFOS	B8C0006-BSD1 LCSD 0.25	3.36e3	61.3	NO
7	7 13C6-PFDA	B8C0006-BSD1 LCSD 0.25	1.53e4	65.5	NO
8	8 13C7-PFUdA	B8C0006-BSD1 LCSD 0.25	1.85e4	77.1	NO

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**Name: 180307M2\_35, Date: 08-Mar-2018, Time: 14:04:20, ID: B8C0006-BLK1 Method Blank 0.25, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0006-BLK1 Method Blank 0.25	1.13e4	113.2	NO
2	2 13C5-PFHxA	B8C0006-BLK1 Method Blank 0.25	1.68e4	69.7	NO
3	3 13C3-PFHxS	B8C0006-BLK1 Method Blank 0.25	3.41e3	78.7	NO
4	4 13C8-PFOA	B8C0006-BLK1 Method Blank 0.25	1.45e4	61.2	NO
5	5 13C9-PFNA	B8C0006-BLK1 Method Blank 0.25	1.66e4	64.9	NO
6	6 13C4-PFOS	B8C0006-BLK1 Method Blank 0.25	3.18e3	58.0	NO
7	7 13C6-PFDA	B8C0006-BLK1 Method Blank 0.25	1.32e4	56.4	NO
8	8 13C7-PFUDa	B8C0006-BLK1 Method Blank 0.25	1.13e4	47.1	YES

**Name: 180307M2\_36, Date: 08-Mar-2018, Time: 14:15:49, ID: 1800367-01 WI-A06-EB01-0218 0.12311, Description: WI-A06-EB01-0218**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-01 WI-A06-EB01-0218 0.12311	1.11e4	111.6	NO
2	2 13C5-PFHxA	1800367-01 WI-A06-EB01-0218 0.12311	1.72e4	71.3	NO
3	3 13C3-PFHxS	1800367-01 WI-A06-EB01-0218 0.12311	3.62e3	83.4	NO
4	4 13C8-PFOA	1800367-01 WI-A06-EB01-0218 0.12311	1.67e4	70.5	NO
5	5 13C9-PFNA	1800367-01 WI-A06-EB01-0218 0.12311	1.95e4	76.2	NO
6	6 13C4-PFOS	1800367-01 WI-A06-EB01-0218 0.12311	4.06e3	74.0	NO
7	7 13C6-PFDA	1800367-01 WI-A06-EB01-0218 0.12311	1.60e4	68.3	NO
8	8 13C7-PFUDa	1800367-01 WI-A06-EB01-0218 0.12311	1.45e4	60.2	NO

**Name: 180307M2\_37, Date: 08-Mar-2018, Time: 14:27:19, ID: 1800367-02 WI-A06-MW03B-0218 0.11921, Description: WI-A06-MW03B-0218**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-02 WI-A06-MW03B-0218 0.11...	1.02e4	102.3	NO
2	2 13C5-PFHxA	1800367-02 WI-A06-MW03B-0218 0.11...	1.63e4	67.4	NO
3	3 13C3-PFHxS	1800367-02 WI-A06-MW03B-0218 0.11...	3.13e3	72.2	NO
4	4 13C8-PFOA	1800367-02 WI-A06-MW03B-0218 0.11...	1.52e4	64.0	NO
5	5 13C9-PFNA	1800367-02 WI-A06-MW03B-0218 0.11...	1.33e4	52.1	NO
6	6 13C4-PFOS	1800367-02 WI-A06-MW03B-0218 0.11...	3.18e3	57.9	NO
7	7 13C6-PFDA	1800367-02 WI-A06-MW03B-0218 0.11...	1.36e4	58.3	NO
8	8 13C7-PFUDa	1800367-02 WI-A06-MW03B-0218 0.11...	1.23e4	51.2	NO

**Name: 180307M2\_38, Date: 08-Mar-2018, Time: 14:38:49, ID: 1800367-03 WI-A06-FB01-022218 0.12396, Description: WI-A06-FB01-022218**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-03 WI-A06-FB01-022218 0.12...	1.16e4	116.7	NO
2	2 13C5-PFHxA	1800367-03 WI-A06-FB01-022218 0.12...	1.67e4	68.9	NO
3	3 13C3-PFHxS	1800367-03 WI-A06-FB01-022218 0.12...	3.31e3	76.2	NO
4	4 13C8-PFOA	1800367-03 WI-A06-FB01-022218 0.12...	1.66e4	70.0	NO
5	5 13C9-PFNA	1800367-03 WI-A06-FB01-022218 0.12...	1.85e4	72.2	NO
6	6 13C4-PFOS	1800367-03 WI-A06-FB01-022218 0.12...	3.88e3	70.9	NO
7	7 13C6-PFDA	1800367-03 WI-A06-FB01-022218 0.12...	1.35e4	57.9	NO
8	8 13C7-PFUDa	1800367-03 WI-A06-FB01-022218 0.12...	1.77e4	73.9	NO

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**Name: 180307M2\_39, Date: 08-Mar-2018, Time: 14:50:16, ID: 1800367-04 WI-A06-6-S-02-0218 0.11895,**  
**Description: WI-A06-6-S-02-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-04 WI-A06-6-S-02-0218 0.118...	1.09e4	109.3	NO
2	2 13C5-PFHxA	1800367-04 WI-A06-6-S-02-0218 0.118...	1.61e4	66.6	NO
3	3 13C3-PFHxS	1800367-04 WI-A06-6-S-02-0218 0.118...	3.40e3	78.4	NO
4	4 13C8-PFOA	1800367-04 WI-A06-6-S-02-0218 0.118...	1.59e4	67.0	NO
5	5 13C9-PFNA	1800367-04 WI-A06-6-S-02-0218 0.118...	1.65e4	64.3	NO
6	6 13C4-PFOS	1800367-04 WI-A06-6-S-02-0218 0.118...	3.48e3	63.4	NO
7	7 13C6-PFDA	1800367-04 WI-A06-6-S-02-0218 0.118...	1.29e4	55.1	NO
8	8 13C7-PFUDa	1800367-04 WI-A06-6-S-02-0218 0.118...	1.04e4	43.2	YES

**Name: 180307M2\_40, Date: 08-Mar-2018, Time: 15:01:45, ID: 1800367-05 WI-A06-6-S-05-0218 0.12239,**  
**Description: WI-A06-6-S-05-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-05 WI-A06-6-S-05-0218 0.122...	1.04e4	104.6	NO
2	2 13C5-PFHxA	1800367-05 WI-A06-6-S-05-0218 0.122...	1.72e4	71.2	NO
3	3 13C3-PFHxS	1800367-05 WI-A06-6-S-05-0218 0.122...	3.17e3	73.0	NO
4	4 13C8-PFOA	1800367-05 WI-A06-6-S-05-0218 0.122...	1.43e4	60.1	NO
5	5 13C9-PFNA	1800367-05 WI-A06-6-S-05-0218 0.122...	1.78e4	69.4	NO
6	6 13C4-PFOS	1800367-05 WI-A06-6-S-05-0218 0.122...	3.52e3	64.1	NO
7	7 13C6-PFDA	1800367-05 WI-A06-6-S-05-0218 0.122...	1.23e4	52.5	NO
8	8 13C7-PFUDa	1800367-05 WI-A06-6-S-05-0218 0.122...	1.44e4	60.1	NO

**Name: 180307M2\_41, Date: 08-Mar-2018, Time: 15:13:12, ID: 1800367-06 WI-A06-6-S-05P-0218 0.12532,**  
**Description: WI-A06-6-S-05P-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.10e4	109.9	NO
2	2 13C5-PFHxA	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.56e4	64.4	NO
3	3 13C3-PFHxS	1800367-06 WI-A06-6-S-05P-0218 0.12...	3.18e3	73.3	NO
4	4 13C8-PFOA	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.69e4	71.3	NO
5	5 13C9-PFNA	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.79e4	69.9	NO
6	6 13C4-PFOS	1800367-06 WI-A06-6-S-05P-0218 0.12...	3.01e3	54.9	NO
7	7 13C6-PFDA	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.43e4	60.9	NO
8	8 13C7-PFUDa	1800367-06 WI-A06-6-S-05P-0218 0.12...	1.64e4	68.4	NO

**Name: 180307M2\_42, Date: 08-Mar-2018, Time: 15:24:41, ID: 1800367-07 WI-A06-FB01-022318 0.12195,**  
**Description: WI-A06-FB01-022318**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800367-07 WI-A06-FB01-022318 0.12...	1.07e4	106.9	NO
2	2 13C5-PFHxA	1800367-07 WI-A06-FB01-022318 0.12...	1.49e4	61.7	NO
3	3 13C3-PFHxS	1800367-07 WI-A06-FB01-022318 0.12...	2.90e3	66.8	NO
4	4 13C8-PFOA	1800367-07 WI-A06-FB01-022318 0.12...	1.56e4	65.7	NO
5	5 13C9-PFNA	1800367-07 WI-A06-FB01-022318 0.12...	1.54e4	60.1	NO
6	6 13C4-PFOS	1800367-07 WI-A06-FB01-022318 0.12...	3.56e3	64.9	NO
7	7 13C6-PFDA	1800367-07 WI-A06-FB01-022318 0.12...	1.39e4	59.2	NO
8	8 13C7-PFUDa	1800367-07 WI-A06-FB01-022318 0.12...	1.74e4	72.5	NO

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**Name: 180307M2\_43, Date: 08-Mar-2018, Time: 15:36:11, ID: 1800367-08 WI-A06-EB01-022318 0.12383,**  
**Description: WI-A06-EB01-022318**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800367-08 WI-A06-EB01-022318 0.12...	1.05e4	105.7	NO
2	2	13C5-PFHxA	1800367-08 WI-A06-EB01-022318 0.12...	1.58e4	65.6	NO
3	3	13C3-PFHxS	1800367-08 WI-A06-EB01-022318 0.12...	2.99e3	68.8	NO
4	4	13C8-PFOA	1800367-08 WI-A06-EB01-022318 0.12...	1.50e4	63.4	NO
5	5	13C9-PFNA	1800367-08 WI-A06-EB01-022318 0.12...	1.54e4	60.2	NO
6	6	13C4-PFOS	1800367-08 WI-A06-EB01-022318 0.12...	3.40e3	62.1	NO
7	7	13C6-PFDA	1800367-08 WI-A06-EB01-022318 0.12...	1.39e4	59.5	NO
8	8	13C7-PFUDa	1800367-08 WI-A06-EB01-022318 0.12...	1.05e4	43.6	YES

**Name: 180307M2\_44, Date: 08-Mar-2018, Time: 15:47:41, ID: 1800369-01 GW2630180222RAP 0.25761,**  
**Description: GW2630180222RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800369-01 GW2630180222RAP 0.257...	1.12e4	112.9	NO
2	2	13C5-PFHxA	1800369-01 GW2630180222RAP 0.257...	1.59e4	65.8	NO
3	3	13C3-PFHxS	1800369-01 GW2630180222RAP 0.257...	3.10e3	71.4	NO
4	4	13C8-PFOA	1800369-01 GW2630180222RAP 0.257...	1.45e4	61.3	NO
5	5	13C9-PFNA	1800369-01 GW2630180222RAP 0.257...	1.64e4	64.0	NO
6	6	13C4-PFOS	1800369-01 GW2630180222RAP 0.257...	3.03e3	55.2	NO
7	7	13C6-PFDA	1800369-01 GW2630180222RAP 0.257...	1.16e4	49.5	YES
8	8	13C7-PFUDa	1800369-01 GW2630180222RAP 0.257...	1.53e4	63.6	NO

**Name: 180307M2\_45, Date: 08-Mar-2018, Time: 15:59:10, ID: 1800369-02 GW3640180222RAP 0.24942,**  
**Description: GW3640180222RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800369-02 GW3640180222RAP 0.249...	1.09e4	109.5	NO
2	2	13C5-PFHxA	1800369-02 GW3640180222RAP 0.249...	1.69e4	70.0	NO
3	3	13C3-PFHxS	1800369-02 GW3640180222RAP 0.249...	3.21e3	74.1	NO
4	4	13C8-PFOA	1800369-02 GW3640180222RAP 0.249...	1.64e4	68.9	NO
5	5	13C9-PFNA	1800369-02 GW3640180222RAP 0.249...	1.65e4	64.4	NO
6	6	13C4-PFOS	1800369-02 GW3640180222RAP 0.249...	3.77e3	68.7	NO
7	7	13C6-PFDA	1800369-02 GW3640180222RAP 0.249...	1.50e4	64.0	NO
8	8	13C7-PFUDa	1800369-02 GW3640180222RAP 0.249...	1.53e4	63.6	NO

**Name: 180307M2\_46, Date: 08-Mar-2018, Time: 16:10:40, ID: 1800369-03 GW4650180223RAP 0.2611,**  
**Description: GW4650180223RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800369-03 GW4650180223RAP 0.2611	1.13e4	113.4	NO
2	2	13C5-PFHxA	1800369-03 GW4650180223RAP 0.2611	1.62e4	67.3	NO
3	3	13C3-PFHxS	1800369-03 GW4650180223RAP 0.2611	2.96e3	68.3	NO
4	4	13C8-PFOA	1800369-03 GW4650180223RAP 0.2611	1.69e4	71.2	NO
5	5	13C9-PFNA	1800369-03 GW4650180223RAP 0.2611	1.72e4	66.9	NO
6	6	13C4-PFOS	1800369-03 GW4650180223RAP 0.2611	3.72e3	67.8	NO
7	7	13C6-PFDA	1800369-03 GW4650180223RAP 0.2611	1.62e4	69.1	NO
8	8	13C7-PFUDa	1800369-03 GW4650180223RAP 0.2611	1.58e4	65.7	NO



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**Name: 180307M2\_47, Date: 08-Mar-2018, Time: 16:22:08, ID: 1800370-01 WR1802230920JLB 0.27194, Description: WR1802230920JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-01 WR1802230920JLB 0.27194	1.12e4	112.7	NO
2	2 13C5-PFHxA	1800370-01 WR1802230920JLB 0.27194	1.72e4	71.1	NO
3	3 13C3-PFHxS	1800370-01 WR1802230920JLB 0.27194	3.31e3	76.3	NO
4	4 13C8-PFOA	1800370-01 WR1802230920JLB 0.27194	1.57e4	66.2	NO
5	5 13C9-PFNA	1800370-01 WR1802230920JLB 0.27194	1.73e4	67.6	NO
6	6 13C4-PFOS	1800370-01 WR1802230920JLB 0.27194	3.04e3	55.5	NO
7	7 13C6-PFDA	1800370-01 WR1802230920JLB 0.27194	1.31e4	55.8	NO
8	8 13C7-PFUDa	1800370-01 WR1802230920JLB 0.27194	9.73e3	40.5	YES

**Name: 180307M2\_48, Date: 08-Mar-2018, Time: 16:33:39, ID: 1800370-02 WR1802230950JLB 0.27055, Description: WR1802230950JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-02 WR1802230950JLB 0.27055	1.03e4	102.9	NO
2	2 13C5-PFHxA	1800370-02 WR1802230950JLB 0.27055	1.45e4	59.8	NO
3	3 13C3-PFHxS	1800370-02 WR1802230950JLB 0.27055	3.10e3	71.5	NO
4	4 13C8-PFOA	1800370-02 WR1802230950JLB 0.27055	1.38e4	58.0	NO
5	5 13C9-PFNA	1800370-02 WR1802230950JLB 0.27055	1.55e4	60.4	NO
6	6 13C4-PFOS	1800370-02 WR1802230950JLB 0.27055	3.02e3	55.1	NO
7	7 13C6-PFDA	1800370-02 WR1802230950JLB 0.27055	1.28e4	54.8	NO
8	8 13C7-PFUDa	1800370-02 WR1802230950JLB 0.27055	1.56e4	65.1	NO

**Name: 180307M2\_49, Date: 08-Mar-2018, Time: 16:45:10, ID: 1800370-03 WR1802231025JLB 0.25444, Description: WR1802231025JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-03 WR1802231025JLB 0.25444	1.03e4	103.2	NO
2	2 13C5-PFHxA	1800370-03 WR1802231025JLB 0.25444	1.58e4	65.3	NO
3	3 13C3-PFHxS	1800370-03 WR1802231025JLB 0.25444	3.23e3	74.5	NO
4	4 13C8-PFOA	1800370-03 WR1802231025JLB 0.25444	1.49e4	62.7	NO
5	5 13C9-PFNA	1800370-03 WR1802231025JLB 0.25444	1.57e4	61.2	NO
6	6 13C4-PFOS	1800370-03 WR1802231025JLB 0.25444	3.38e3	61.7	NO
7	7 13C6-PFDA	1800370-03 WR1802231025JLB 0.25444	1.22e4	51.9	NO
8	8 13C7-PFUDa	1800370-03 WR1802231025JLB 0.25444	1.64e4	68.3	NO

**Name: 180307M2\_50, Date: 08-Mar-2018, Time: 16:56:39, 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	5.15e0	0.0	YES
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

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**Name: 180307M2\_51, Date: 08-Mar-2018, Time: 17:08:09, ID: ST180307M1-12 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-12 PFC CS3 18B2317	1.05e4	105.3	NO
2	2 13C5-PFHxA	ST180307M1-12 PFC CS3 18B2317	2.29e4	94.6	NO
3	3 13C3-PFHxS	ST180307M1-12 PFC CS3 18B2317	4.80e3	110.6	NO
4	4 13C8-PFOA	ST180307M1-12 PFC CS3 18B2317	2.08e4	87.6	NO
5	5 13C9-PFNA	ST180307M1-12 PFC CS3 18B2317	2.59e4	101.0	NO
6	6 13C4-PFOS	ST180307M1-12 PFC CS3 18B2317	4.48e3	81.6	NO
7	7 13C6-PFDA	ST180307M1-12 PFC CS3 18B2317	2.22e4	95.0	NO
8	8 13C7-PFUDa	ST180307M1-12 PFC CS3 18B2317	2.44e4	101.5	NO

**Name: 180307M2\_52, Date: 08-Mar-2018, Time: 17:19:39, 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: 180307M2\_53, Date: 08-Mar-2018, Time: 17:31:06, ID: 1800370-04 FB1802231030JLB 0.23963, Description: FB1802231030JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-04 FB1802231030JLB 0.23963	1.09e4	109.5	NO
2	2 13C5-PFHxA	1800370-04 FB1802231030JLB 0.23963	1.58e4	65.2	NO
3	3 13C3-PFHxS	1800370-04 FB1802231030JLB 0.23963	2.96e3	68.2	NO
4	4 13C8-PFOA	1800370-04 FB1802231030JLB 0.23963	1.51e4	63.5	NO
5	5 13C9-PFNA	1800370-04 FB1802231030JLB 0.23963	1.42e4	55.3	NO
6	6 13C4-PFOS	1800370-04 FB1802231030JLB 0.23963	3.71e3	67.6	NO
7	7 13C6-PFDA	1800370-04 FB1802231030JLB 0.23963	1.15e4	49.3	YES
8	8 13C7-PFUDa	1800370-04 FB1802231030JLB 0.23963	9.89e3	41.2	YES

**Name: 180307M2\_54, Date: 08-Mar-2018, Time: 17:42:36, ID: 1800370-05 WR1802231120JLB 0.27209, Description: WR1802231120JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-05 WR1802231120JLB 0.27209	1.05e4	105.5	NO
2	2 13C5-PFHxA	1800370-05 WR1802231120JLB 0.27209	1.48e4	61.1	NO
3	3 13C3-PFHxS	1800370-05 WR1802231120JLB 0.27209	3.00e3	69.0	NO
4	4 13C8-PFOA	1800370-05 WR1802231120JLB 0.27209	1.33e4	56.0	NO
5	5 13C9-PFNA	1800370-05 WR1802231120JLB 0.27209	1.41e4	54.9	NO
6	6 13C4-PFOS	1800370-05 WR1802231120JLB 0.27209	3.23e3	59.0	NO
7	7 13C6-PFDA	1800370-05 WR1802231120JLB 0.27209	1.38e4	59.0	NO
8	8 13C7-PFUDa	1800370-05 WR1802231120JLB 0.27209	1.39e4	57.8	NO

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**Name: 180307M2\_55, Date: 08-Mar-2018, Time: 17:54:03, ID: 1800370-06 WR1802231155JLB 0.255,**  
**Description: WR1802231155JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-06 WR1802231155JLB 0.255	1.03e4	103.8	NO
2	2 13C5-PFHxA	1800370-06 WR1802231155JLB 0.255	1.59e4	65.9	NO
3	3 13C3-PFHxS	1800370-06 WR1802231155JLB 0.255	3.16e3	72.9	NO
4	4 13C8-PFOA	1800370-06 WR1802231155JLB 0.255	1.30e4	54.7	NO
5	5 13C9-PFNA	1800370-06 WR1802231155JLB 0.255	1.47e4	57.2	NO
6	6 13C4-PFOS	1800370-06 WR1802231155JLB 0.255	2.92e3	53.3	NO
7	7 13C6-PFDA	1800370-06 WR1802231155JLB 0.255	1.11e4	47.4	YES
8	8 13C7-PFUDa	1800370-06 WR1802231155JLB 0.255	7.35e3	30.6	YES

**Name: 180307M2\_56, Date: 08-Mar-2018, Time: 18:05:29, ID: 1800370-07 WT1802261035JLB 0.27331,**  
**Description: WT1802261035JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-07 WT1802261035JLB 0.27331	1.01e4	101.7	NO
2	2 13C5-PFHxA	1800370-07 WT1802261035JLB 0.27331	1.58e4	65.4	NO
3	3 13C3-PFHxS	1800370-07 WT1802261035JLB 0.27331	2.99e3	68.8	NO
4	4 13C8-PFOA	1800370-07 WT1802261035JLB 0.27331	1.28e4	54.0	NO
5	5 13C9-PFNA	1800370-07 WT1802261035JLB 0.27331	1.41e4	55.0	NO
6	6 13C4-PFOS	1800370-07 WT1802261035JLB 0.27331	2.95e3	53.8	NO
7	7 13C6-PFDA	1800370-07 WT1802261035JLB 0.27331	1.20e4	51.4	NO
8	8 13C7-PFUDa	1800370-07 WT1802261035JLB 0.27331	8.23e3	34.3	YES

**Name: 180307M2\_57, Date: 08-Mar-2018, Time: 18:16:58, ID: 1800370-08 WT1802261100JLB 0.27258,**  
**Description: WT1802261100JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-08 WT1802261100JLB 0.27258	1.14e4	114.0	NO
2	2 13C5-PFHxA	1800370-08 WT1802261100JLB 0.27258	1.74e4	72.1	NO
3	3 13C3-PFHxS	1800370-08 WT1802261100JLB 0.27258	3.18e3	73.2	NO
4	4 13C8-PFOA	1800370-08 WT1802261100JLB 0.27258	1.65e4	69.7	NO
5	5 13C9-PFNA	1800370-08 WT1802261100JLB 0.27258	1.71e4	66.8	NO
6	6 13C4-PFOS	1800370-08 WT1802261100JLB 0.27258	3.52e3	64.2	NO
7	7 13C6-PFDA	1800370-08 WT1802261100JLB 0.27258	1.35e4	57.7	NO
8	8 13C7-PFUDa	1800370-08 WT1802261100JLB 0.27258	1.68e4	70.2	NO

**Name: 180307M2\_58, Date: 08-Mar-2018, Time: 18:28:27, ID: 1800370-09 WR1802261125JLB 0.25932,**  
**Description: WR1802261125JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800370-09 WR1802261125JLB 0.25932	1.13e4	113.9	NO
2	2 13C5-PFHxA	1800370-09 WR1802261125JLB 0.25932	1.57e4	65.0	NO
3	3 13C3-PFHxS	1800370-09 WR1802261125JLB 0.25932	3.33e3	76.8	NO
4	4 13C8-PFOA	1800370-09 WR1802261125JLB 0.25932	1.34e4	56.4	NO
5	5 13C9-PFNA	1800370-09 WR1802261125JLB 0.25932	1.55e4	60.6	NO
6	6 13C4-PFOS	1800370-09 WR1802261125JLB 0.25932	3.29e3	60.1	NO
7	7 13C6-PFDA	1800370-09 WR1802261125JLB 0.25932	1.31e4	56.2	NO
8	8 13C7-PFUDa	1800370-09 WR1802261125JLB 0.25932	1.46e4	60.9	NO

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	# 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: 180307M2\_60, Date: 08-Mar-2018, Time: 18:51:26, ID: ST180307M1-13 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-13 PFC CS3 18B2317	8.79e3	88.2	NO
2	2 13C5-PFHxA	ST180307M1-13 PFC CS3 18B2317	2.29e4	94.7	NO
3	3 13C3-PFHxS	ST180307M1-13 PFC CS3 18B2317	4.63e3	106.7	NO
4	4 13C8-PFOA	ST180307M1-13 PFC CS3 18B2317	2.20e4	92.6	NO
5	5 13C9-PFNA	ST180307M1-13 PFC CS3 18B2317	2.56e4	99.8	NO
6	6 13C4-PFOS	ST180307M1-13 PFC CS3 18B2317	5.20e3	94.8	NO
7	7 13C6-PFDA	ST180307M1-13 PFC CS3 18B2317	2.10e4	89.5	NO
8	8 13C7-PFUdA	ST180307M1-13 PFC CS3 18B2317	2.40e4	100.1	NO

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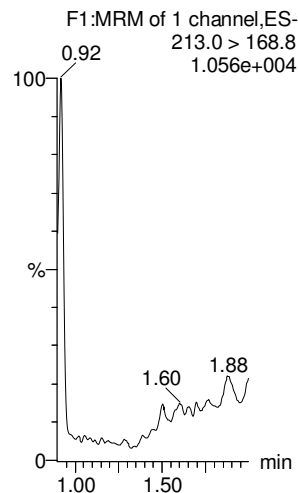
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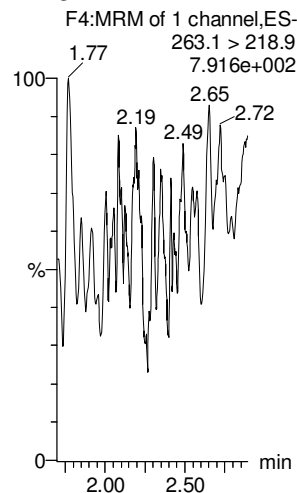
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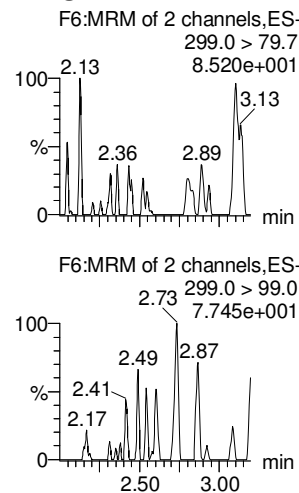
**PFBA**



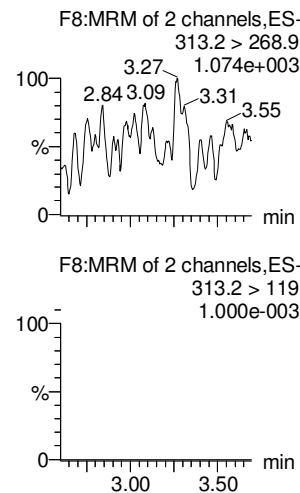
**PFPeA**



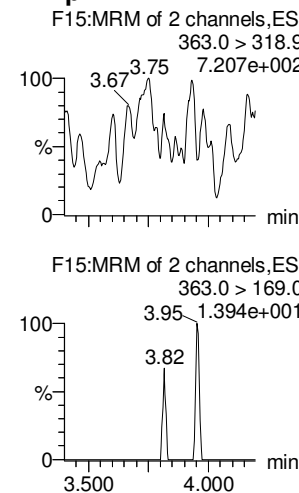
**PFBS**



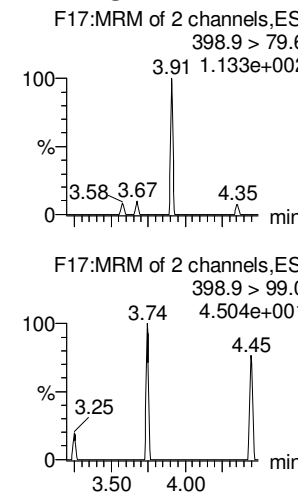
**PFHxA**



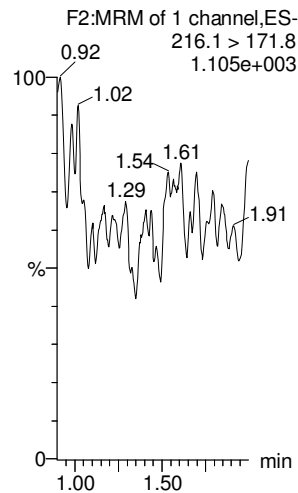
**PFHpA**



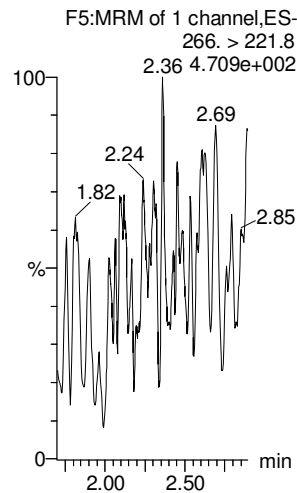
**L-PFHxS**



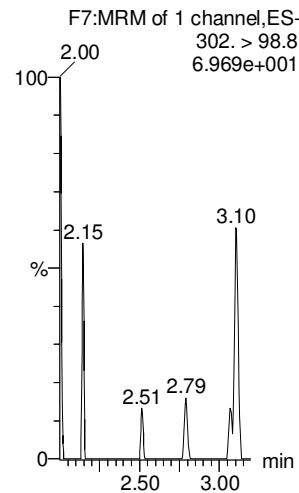
**13C3-PFBA**



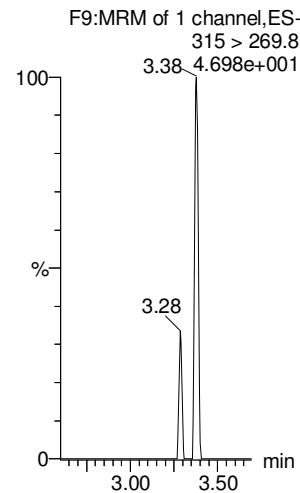
**13C3-PFPeA**



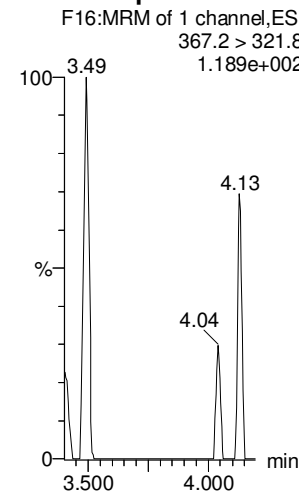
**13C3-PFBS**



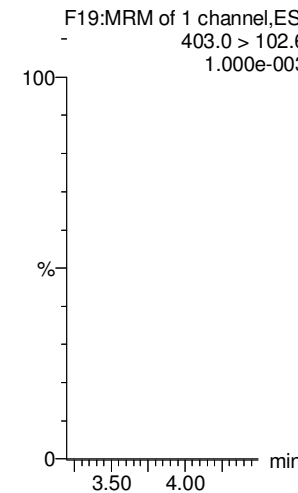
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



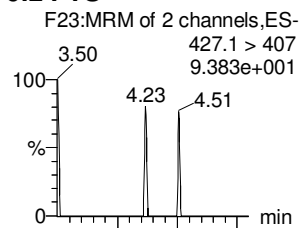
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Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

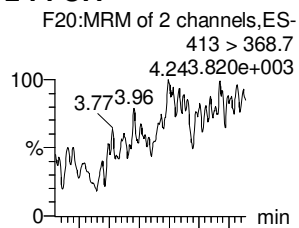
Printed: Thursday, March 08, 2018 12:25:10 Pacific Standard Time

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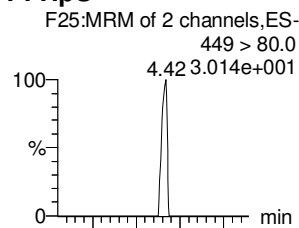
**6:2 FTS**



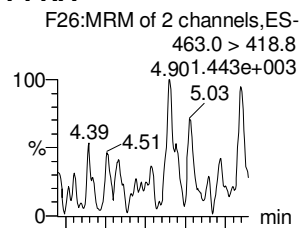
**L-PFOA**



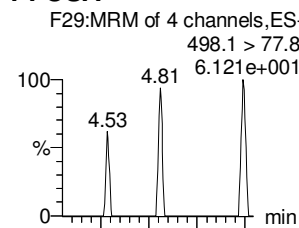
**PFHpS**



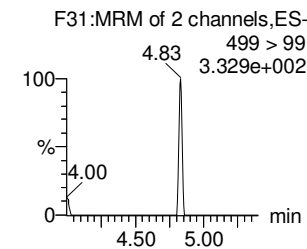
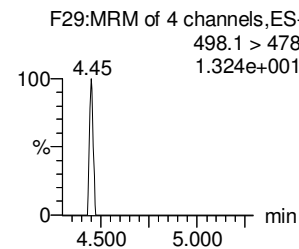
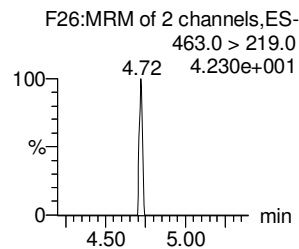
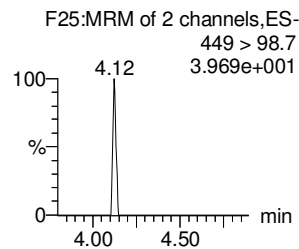
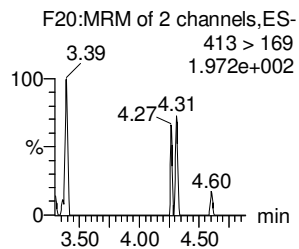
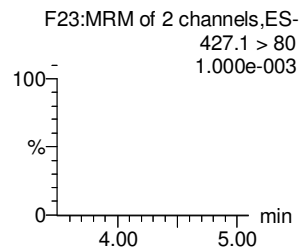
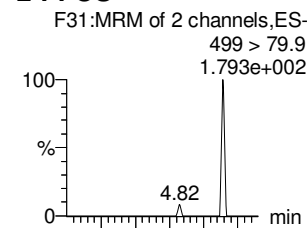
**PFNA**



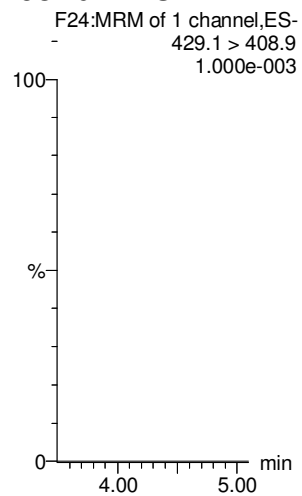
**PFOSA**



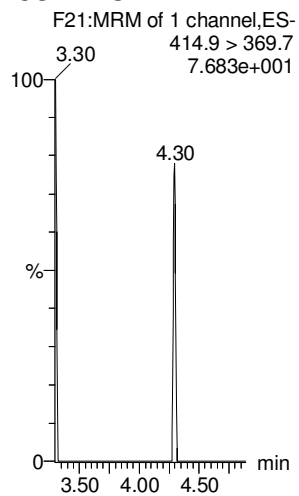
**L-PFOS**



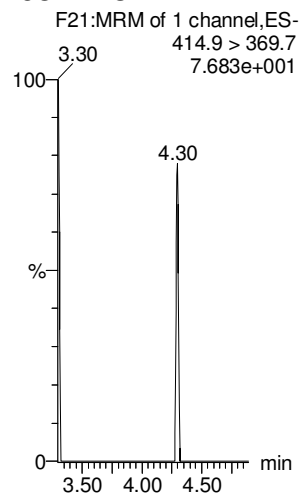
**13C2-6:2 FTS**



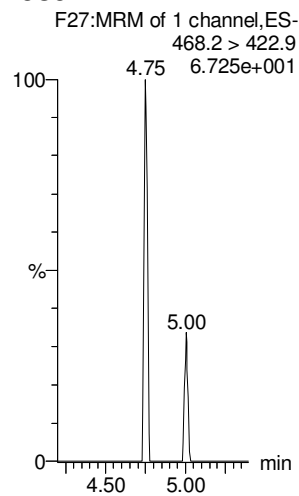
**13C2-PFOA**



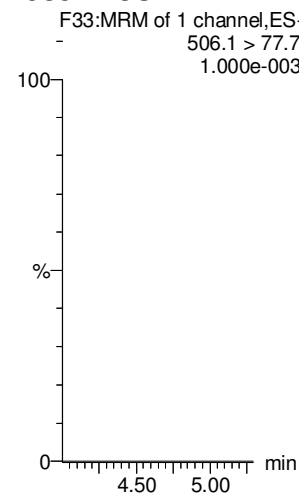
**13C2-PFOA**



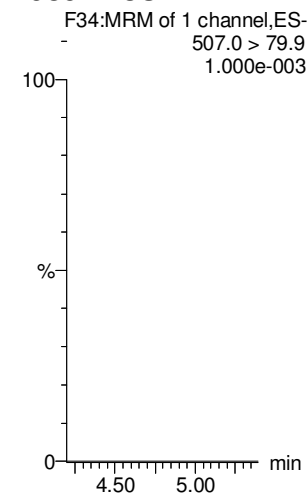
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



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**PFDA**

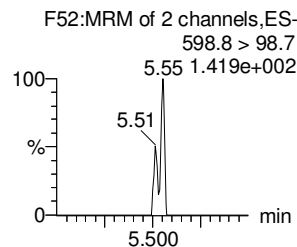
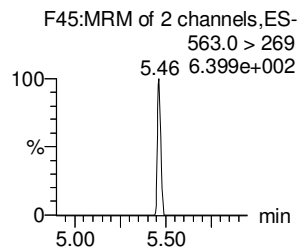
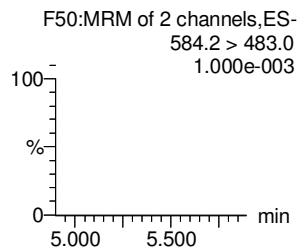
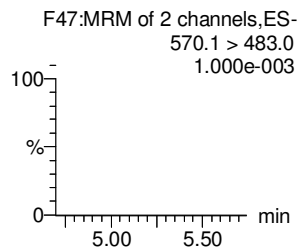
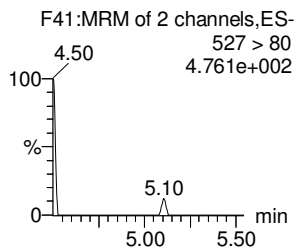
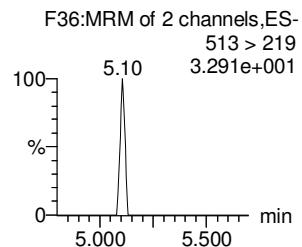
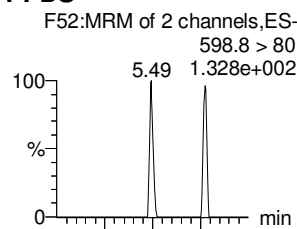
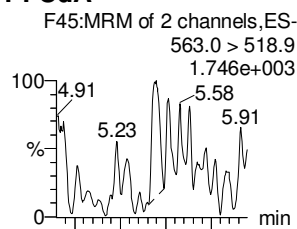
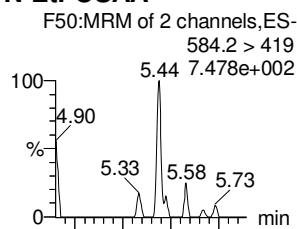
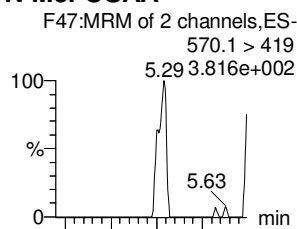
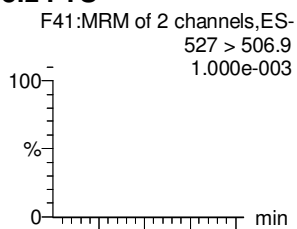
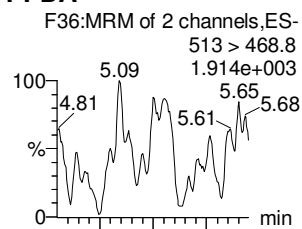
**8:2 FTS**

**N-MeFOSAA**

**N-EtFOSAA**

**PFUdA**

**PFDS**



**13C2-PFDA**

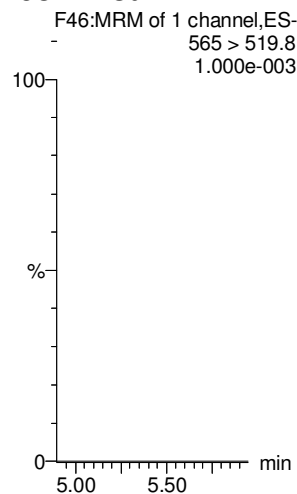
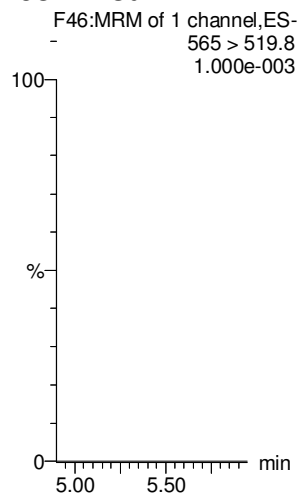
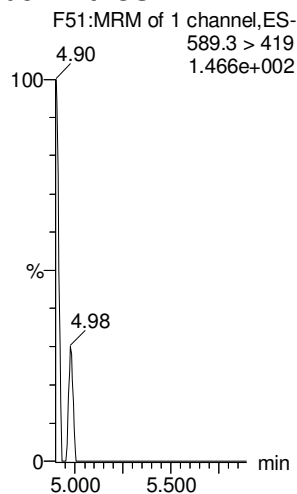
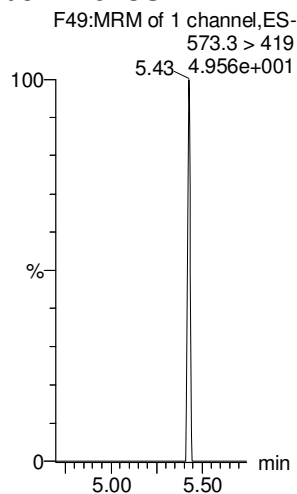
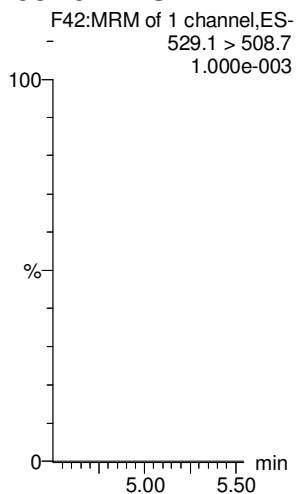
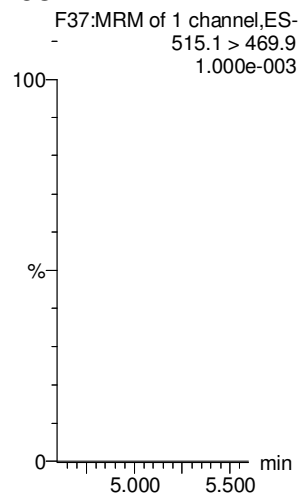
**13C2-8:2 FTS**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUdA**

**13C2-PFUdA**



Dataset: Untitled

Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

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**PFDaA**

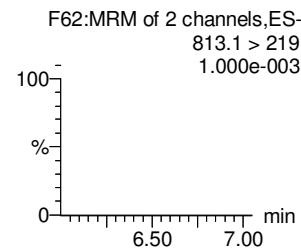
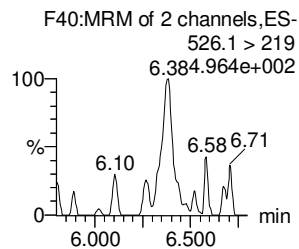
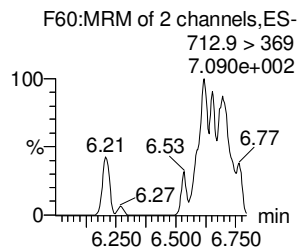
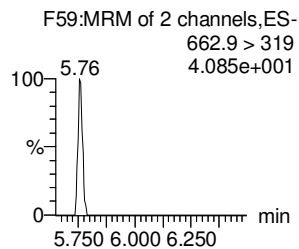
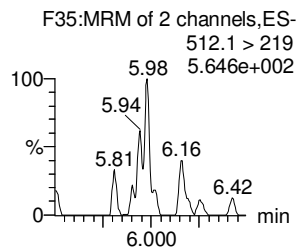
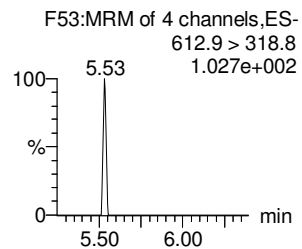
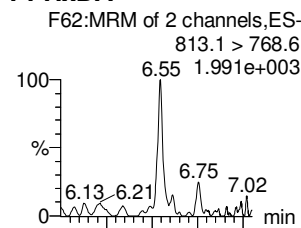
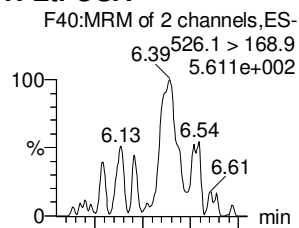
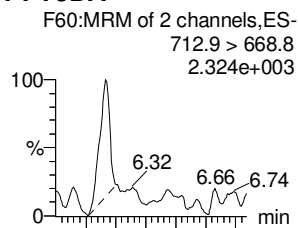
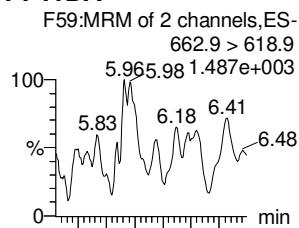
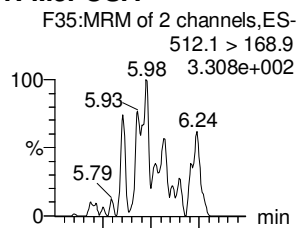
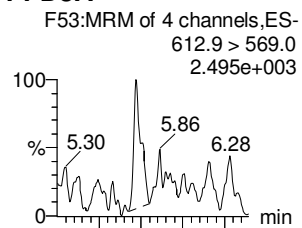
**N-MeFOSA**

**PFTrDA**

**PFTeDA**

**N-EtFOSA**

**PFHxDA**



**13C2-PFDaA**

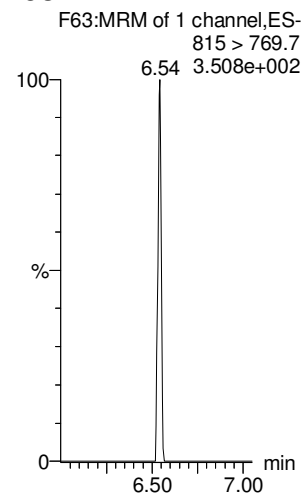
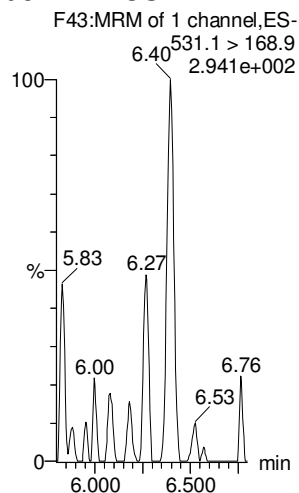
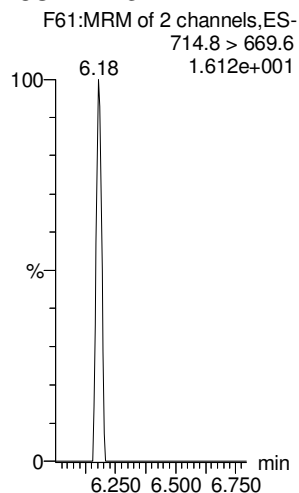
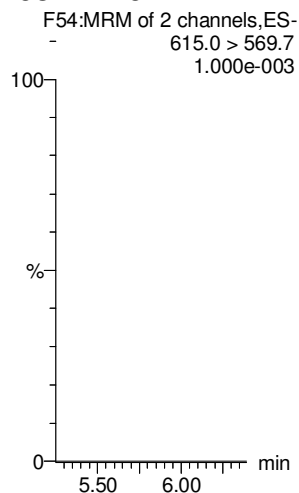
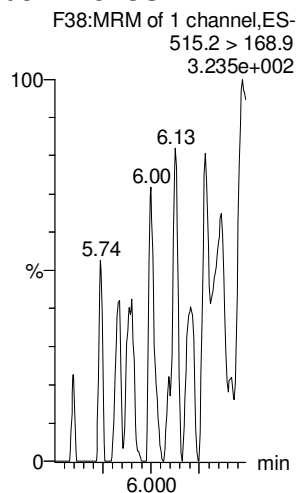
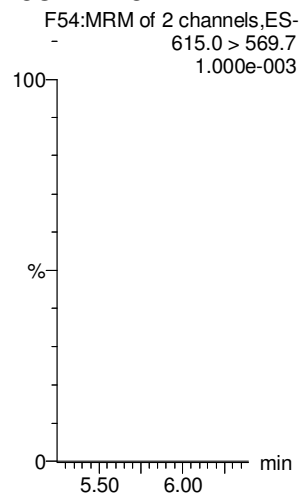
**d3-N-MeFOSA**

**13C2-PFDaA**

**13C2-PFTeDA**

**d5-N-ETFOSA**

**13C2-PFHxDA**





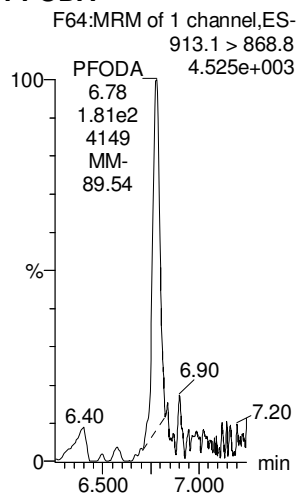
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Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

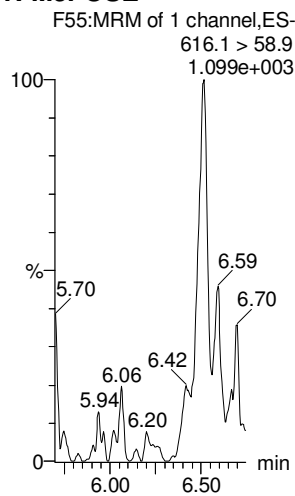
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Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

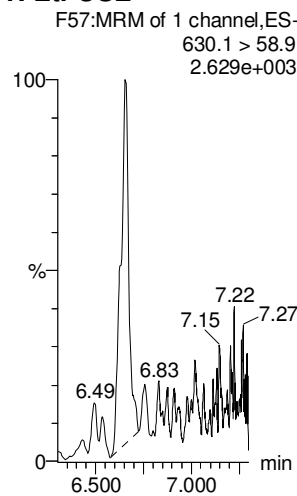
**PFODA**



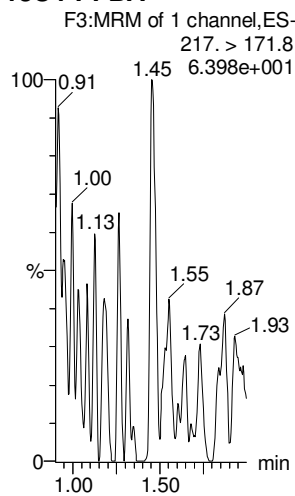
**N-MeFOSE**



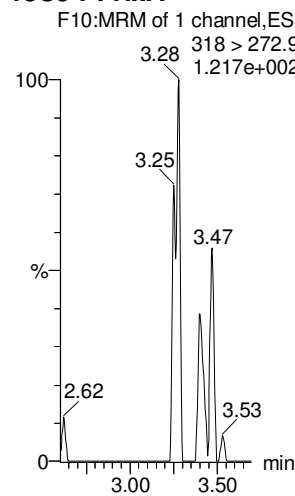
**N-EtFOSE**



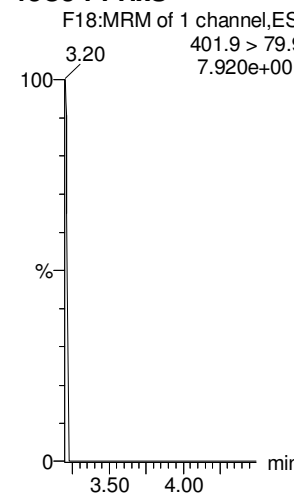
**13C4-PFBA**



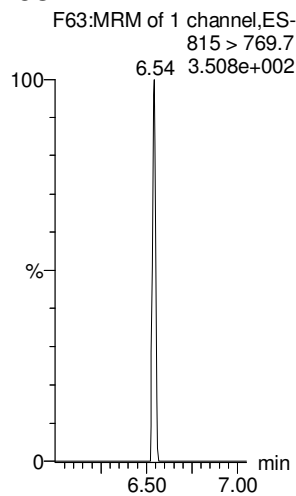
**13C5-PFHxA**



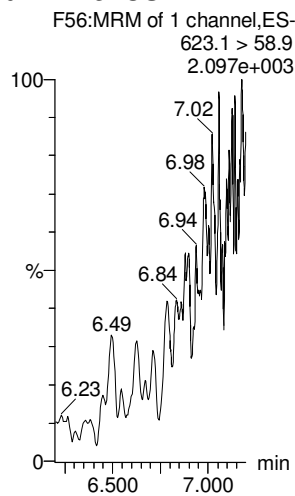
**13C3-PFHxS**



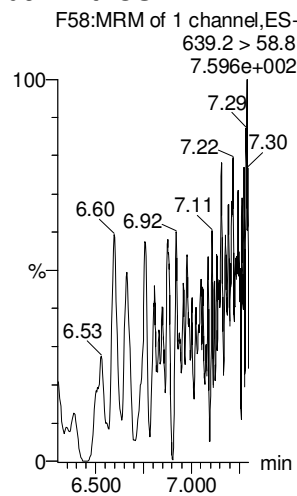
**13C2-PFHxDA**



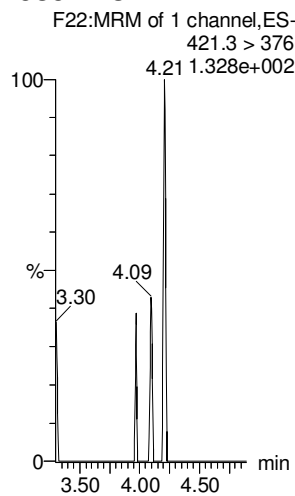
**d7-N-MeFOSE**



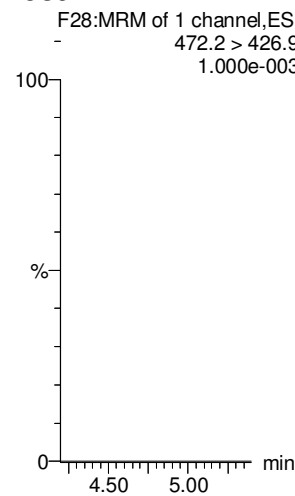
**d9-N-EtFOSE**



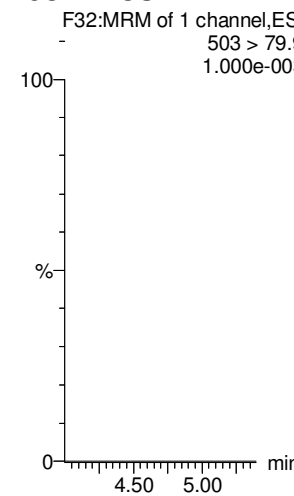
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: Untitled

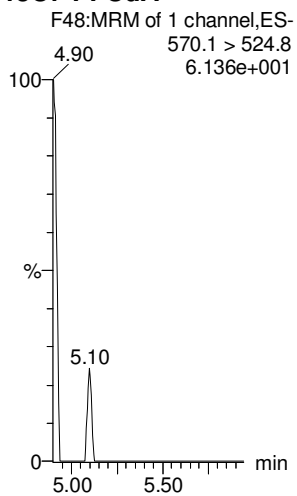
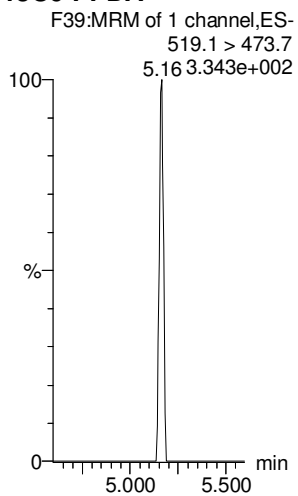
Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

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Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

13C6-PFDA

13C7-PFUdA



# LC Calibration Standards Review Checklist 04

Calibration ID:	L M H	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
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T 72	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
↓ 13	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Mass Cal. Date: 3/7/19

Run Log Present:

# of Samples per Sequence Checked:

Instrument Blank Saved:  (A)

IIS Area Saved:

Reviewed By: KBF 3/12/19  
Initials/Date

**Comments:**

FD0A not used.

(A) IB\_180307M\_FVM.pdf

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M2-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

(A) Not used.  
(B) am 3/12/18  
2010  
(B)

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	6.69e3	7.33e3		1.73	1.46	11.4	9.90	99.0	NO	
2	2 PFPeA	263.1 > 218.9	1.61e4	1.98e4		2.70	2.42	10.2	10.7	107.1	NO	
3	3 PFBS	299.0 > 79.7	3.76e3	2.43e3		2.98	2.69	19.3	10.7	107.5	NO	
4	4 4:2 FTS	327.2>307.2	4.40e3	2.43e3		3.38	3.09	22.6	11.2	112.4	NO	
5	5 PFHxA	313.2 > 268.9	2.03e4	7.06e3		3.48	3.19	14.4	10.4	104.1	NO	
6	6 PFPeS	349.1>80.1	3.37e3	2.43e3		3.67	3.39	17.3	10.3	103.1	NO	
7	7 PFHpA	363.0 > 318.9	1.80e4	1.67e4		4.10	3.80	13.5	10.5	105.3	NO	
8	8 L-PFHxS	398.9 > 79.6	2.67e3	2.00e3		4.24	3.95	16.7	9.32	93.2	NO	
9	10 6:2 FTS	427.1 > 407	4.30e3	5.17e3		4.56	4.27	10.4	10.2	102.4	NO	
10	11 L-PFOA	413 > 368.7	2.03e4	2.30e4		4.45	4.32	11.0	10.5	105.4	NO	
11	13 PFHpS	449 > 80.0	3.91e3	2.30e4		4.71	4.43	2.13	12.1	121.0	NO	
12	14 PFNA	463.0 > 418.8	2.27e4	2.14e4		5.04	4.76	13.3	10.9	108.6	NO	
13	15 PFOSA	498.1 > 77.8	3.55e3	4.31e3		5.09	4.83	10.3	10.1	101.5	NO	
14	16 L-PFOS	499 > 79.9	4.13e3	5.07e3		4.84	4.84	10.2	9.81	98.1	NO	
15	18 PFDA	513 > 468.8	2.34e4	2.29e4		5.40	5.13	12.8	12.7	126.8	NO	
16	19 8:2 FTS	527 > 506.9	5.43e3	4.62e3		5.38	5.10	14.7	9.08	90.8	NO	
17	20 PFNS	549.1>80.1	3.55e3	5.07e3		5.46	5.20	8.76	10.3	103.4	NO	
18	21 N-MeFOSAA	570.1 > 419	1.21e4	9.13e3		5.55	5.29	16.6	10.7	106.6	NO	
19	22 N-EtFOSAA	584.2 > 419	1.05e4	1.16e4		5.70	5.45	11.3	9.85	98.5	NO	
20	23 PFUdA	563.0 > 518.9	2.08e4	2.39e4		5.72	5.46	10.8	10.7	107.4	NO	
21	24 PFDS	598.8 > 80	4.32e3	2.39e4		5.76	5.50	2.25	11.1	111.0	NO	
22	25 PFDoA	612.9 > 569.0	2.14e2	1.80e4		5.99	5.74	0.148	19.5	195.0	YES (A)	
23	26 N-MeFOSA	512.1 > 168.9	1.11e4	2.98e4		5.93	5.99	55.9	51.4	102.9	NO	
24	27 PFTrDA	662.9 > 618.9	2.12e4	1.80e4		6.22	5.99	14.7	12.1	120.6	NO	
25	28 PFTeDA	712.9 > 668.8	1.92e4	1.19e4		6.41	6.21	20.2	11.3	113.3	NO	
26	29 N-EtFOSA	526.1 > 168.9	1.44e4	4.43e4		6.25	6.38	48.7	51.8	103.7	NO	
27	30 PFHxDA	813.1 > 768.6	1.15e4	1.12e4		6.69	6.55	5.15	10.9	108.9	NO	
28	31 PFOA	913.1 > 868.8	2.08e4	1.12e4		6.90	6.78	9.29	9.71	97.1	NO	
29	32 N-MeFOSE	616.1 > 58.9	1.06e4	3.40e4		6.31	6.51	46.7	50.0	100.0	NO	
30	33 N-EtFOSE	630.1 > 58.9	1.27e4	3.03e4		6.45	6.66	62.9	57.7	115.4	NO	
31	34 13C3-PFBA	216.1 > 171.8	7.33e3	8.22e3	0.882	1.73	1.46	11.1	12.6	101.1	NO	

✓ 180307M2\_31 am 3/12/18

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	1.98e4	2.26e4	0.888	2.70	2.42	10.9	12.3	98.6	NO
33	36 13C3-PFBS	302. > 98.8	2.43e3	2.26e4	0.101	2.98	2.69	1.35	13.4	106.9	NO
34	37 13C2-PFHxA	315 > 269.8	7.06e3	2.26e4	0.744	3.48	3.18	3.92	5.26	105.3	NO
35	38 13C4-PFHpA	367.2 > 321.8	1.67e4	2.26e4	0.740	4.10	3.80	9.28	12.5	100.3	NO
36	39 18O2-PFHxS	403.0 > 102.6	2.00e3	4.38e3	0.424	4.24	3.95	5.70	13.4	107.4	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	5.17e3	2.01e4	0.254	4.56	4.27	3.22	12.7	101.5	NO
38	41 13C2-PFOA	414.9 > 369.7	2.30e4	2.01e4	1.129	4.61	4.32	14.3	12.7	101.3	NO
39	42 13C5-PFNA	468.2 > 422.9	2.14e4	2.32e4	1.006	5.04	4.76	11.5	11.5	91.6	NO
40	43 13C8-PFOA	506.1 > 77.7	4.31e3	2.25e4	0.182	5.09	4.84	2.39	13.1	105.1	NO
41	44 13C8-PFOS	507.0 > 79.9	5.07e3	4.25e3	1.049	5.11	4.84	14.9	14.2	113.7	NO
42	45 13C2-PFDA	515.1 > 469.9	2.29e4	1.85e4	1.082	5.40	5.13	15.5	14.3	114.3	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	4.62e3	2.26e4	0.161	5.38	5.10	2.56	15.9	127.4	NO
44	47 d3-N-MeFOSAA	573.3 > 419	9.13e3	2.25e4	0.426	5.55	5.29	5.06	11.9	95.1	NO
45	48 d5-N-EtFOSAA	589.3 > 419	1.16e4	2.25e4	0.459	5.70	5.44	6.43	14.0	111.9	NO
46	49 13C2-PFUdA	565 > 519.8	2.39e4	2.25e4	1.051	5.72	5.46	13.3	12.6	101.1	NO
47	50 13C2-PFDoA	615.0 > 569.7	1.80e4	2.25e4	0.827	5.99	5.74	9.98	12.1	96.6	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	2.98e4	2.25e4	0.107	5.93	6.02	16.5	155	103.0	NO
49	52 13C2-PFTeDA	714.8 > 669.6	1.19e4	2.25e4	0.514	6.41	6.21	6.60	12.8	102.7	NO
50	53 d5-N-ETFOSA	531.1 > 168.9	4.43e4	2.25e4	0.152	6.25	6.40	24.6	162	108.0	NO
51	54 13C2-PFHxDA	815 > 769.7	1.12e4	2.25e4	1.185	6.69	6.55	6.21	5.24	104.9	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	3.40e4	2.25e4	0.122	6.31	6.50	18.8	154	102.9	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	3.03e4	2.25e4	0.109	6.45	6.65	16.8	155	103.2	NO
54	57 13C4-PFBA	217. > 171.8	8.22e3	8.22e3	1.000	1.73	1.46	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	2.26e4	2.26e4	1.000	3.48	3.18	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	4.38e3	4.38e3	1.000	4.24	3.95	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	2.01e4	2.01e4	1.000	4.61	4.33	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	2.32e4	2.32e4	1.000	4.70	4.76	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	4.25e3	4.25e3	1.000	5.11	4.84	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	1.85e4	1.85e4	1.000	5.40	5.13	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	2.25e4	2.25e4	1.000	5.72	5.46	12.5	12.5	100.0	NO

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, March 12, 2018 08:30:05 Pacific Daylight Time

Printed: Monday, March 12, 2018 08:31:14 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 09 Mar 2018 15:08:10

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 13:43:20

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180307M2_1	IPA	08-Mar-18	07:30:22
2	180307M2_2	ST180307M2-1 PFC CS-2 18B2813	08-Mar-18	07:41:47
3	180307M2_3	ST180307M2-2 PFC CS-1 18B2814	08-Mar-18	07:53:13
4	180307M2_4	ST180307M2-3 PFC CS0 18B2815	08-Mar-18	08:04:42
5	180307M2_5	ST180307M2-4 PFC CS1 18B2816	08-Mar-18	08:16:12
6	180307M2_6	ST180307M2-5 PFC CS2 18B2817	08-Mar-18	08:27:42
7	180307M2_7	ST180307M2-6 PFC CS3 18B2818	08-Mar-18	08:39:12
8	180307M2_8	ST180307M2-7 PFC CS4 18B2819	08-Mar-18	08:50:42
9	180307M2_9	ST180307M2-8 PFC CS5 18B2820	08-Mar-18	09:02:11
10	180307M2_10	ST180307M-9 PFC CS6 18B2821	08-Mar-18	09:13:38
11	180307M2_11	ST180307M2-10 PFC CS7 18B2822	08-Mar-18	09:25:07
12	180307M2_12	IPA	08-Mar-18	09:36:36
13	180307M2_13	ICV180307M2-1 PFC ICV 18B2812	08-Mar-18	09:48:06
14	180307M2_14	IPA	08-Mar-18	09:59:36
15	180307M2_15	B8B0163-BS1 OPR 0.125	08-Mar-18	10:11:05
16	180307M2_16	B8B0163-BSD1 LCSD 0.125	08-Mar-18	10:22:35
17	180307M2_17	B8B0163-BLK1 Method Blank 0.125	08-Mar-18	10:34:05
18	180307M2_18	1800356-01 WI-AF-SB-FB-022018 0.11754	08-Mar-18	10:45:32
19	180307M2_19	1800356-02 WI-AF-EB11-SO-0218 0.11967	08-Mar-18	10:57:01
20	180307M2_20	1800361-01 WI-A06-EB01-021918 0.11631	08-Mar-18	11:08:27
21	180307M2_21	1800361-02 WI-A06-MW-13-0218 0.12182	08-Mar-18	11:19:57
22	180307M2_22	1800361-03 WI-A06-FB01-022018 0.12192	08-Mar-18	11:31:27
23	180307M2_23	1800361-04 WI-A06-6-DW-38A-0218 0.11965	08-Mar-18	11:42:57
24	180307M2_24	1800361-05 WI-A06-EB01-022018 0.12096	08-Mar-18	11:58:01
25	180307M2_25	1800361-06 WI-A06-6-S-27-0218 0.1213	08-Mar-18	12:09:30
26	180307M2_26	1800361-07 WI-A06-6-S-28-0218 0.12084	08-Mar-18	12:21:00
27	180307M2_27	1800361-08 WI-A06-FB01-022118 0.11778	08-Mar-18	12:32:30
28	180307M2_28	1800361-09 WI-A06-MW-01-0218 0.12063	08-Mar-18	12:43:59
29	180307M2_29	1800361-10 WI-A06-EB01-022118 0.12144	08-Mar-18	12:55:25
30	180307M2_30	IPA	08-Mar-18	13:06:54
31	180307M2_31	ST180307M2-11 PFC CS3 18B2818	08-Mar-18	13:18:21

Dataset: Untitled

Last Altered: Monday, March 12, 2018 08:30:05 Pacific Daylight Time

Printed: Monday, March 12, 2018 08:31:14 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180307M2_32	IPA	08-Mar-18	13:29:51
33	180307M2_33	B8C0006-BS1 OPR 0.25	08-Mar-18	13:41:21
34	180307M2_34	B8C0006-BSD1 LCSD 0.25	08-Mar-18	13:52:50
35	180307M2_35	B8C0006-BLK1 Method Blank 0.25	08-Mar-18	14:04:20
36	180307M2_36	1800367-01 WI-A06-EB01-0218 0.12311	08-Mar-18	14:15:49
37	180307M2_37	1800367-02 WI-A06-MW03B-0218 0.11921	08-Mar-18	14:27:19
38	180307M2_38	1800367-03 WI-A06-FB01-022218 0.12396	08-Mar-18	14:38:49
39	180307M2_39	1800367-04 WI-A06-6-S-02-0218 0.11895	08-Mar-18	14:50:16
40	180307M2_40	1800367-05 WI-A06-6-S-05-0218 0.12239	08-Mar-18	15:01:45
41	180307M2_41	1800367-06 WI-A06-6-S-05P-0218 0.12532	08-Mar-18	15:13:12
42	180307M2_42	1800367-07 WI-A06-FB01-022318 0.12195	08-Mar-18	15:24:41
43	180307M2_43	1800367-08 WI-A06-EB01-022318 0.12383	08-Mar-18	15:36:11
44	180307M2_44	1800369-01 GW2630180222RAP 0.25761	08-Mar-18	15:47:41
45	180307M2_45	1800369-02 GW3640180222RAP 0.24942	08-Mar-18	15:59:10
46	180307M2_46	1800369-03 GW4650180223RAP 0.2611	08-Mar-18	16:10:40
47	180307M2_47	1800370-01 WR1802230920JLB 0.27194	08-Mar-18	16:22:08
48	180307M2_48	1800370-02 WR1802230950JLB 0.27055	08-Mar-18	16:33:39
49	180307M2_49	1800370-03 WR1802231025JLB 0.25444	08-Mar-18	16:45:10
50	180307M2_50	IPA	08-Mar-18	16:56:39
51	180307M2_51	ST180307M2-12 PFC CS3 18B2818	08-Mar-18	17:08:09
52	180307M2_52	IPA	08-Mar-18	17:19:39
53	180307M2_53	1800370-04 FB1802231030JLB 0.23963	08-Mar-18	17:31:06
54	180307M2_54	1800370-05 WR1802231120JLB 0.27209	08-Mar-18	17:42:36
55	180307M2_55	1800370-06 WR1802231155JLB 0.255	08-Mar-18	17:54:03
56	180307M2_56	1800370-07 WT1802261035JLB 0.27331	08-Mar-18	18:05:29
57	180307M2_57	1800370-08 WT1802261100JLB 0.27258	08-Mar-18	18:16:58
58	180307M2_58	1800370-09 WR1802261125JLB 0.25932	08-Mar-18	18:28:27
59	180307M2_59	IPA	08-Mar-18	18:39:56
60	180307M2_60	ST180307M2-13 PFC CS3 18B2818	08-Mar-18	18:51:26
61	180307M2_61	IPA	08-Mar-18	19:02:55

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

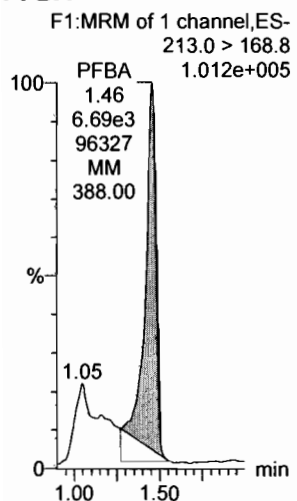
*5 am 3/12/18*

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

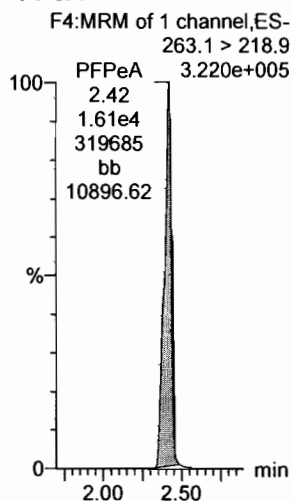
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M2\_31\_11 PFC CS3 18B2317, Description: PFC CS3 18B2317

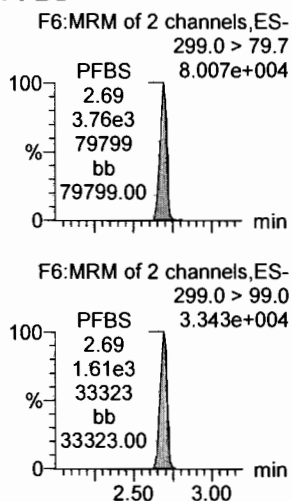
**PFBA**



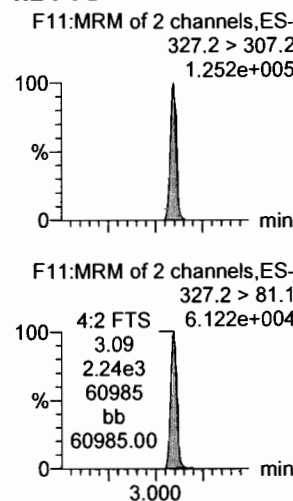
**PFPeA**



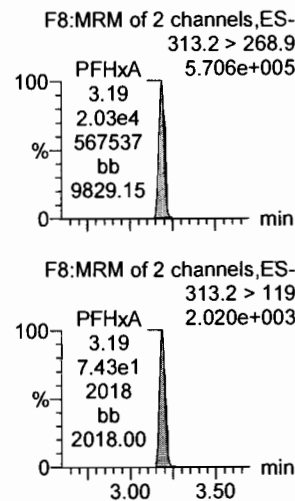
**PFBS**



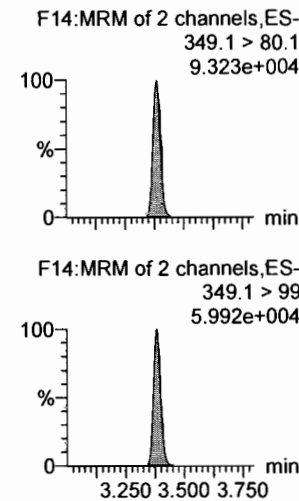
**4:2 FTS**



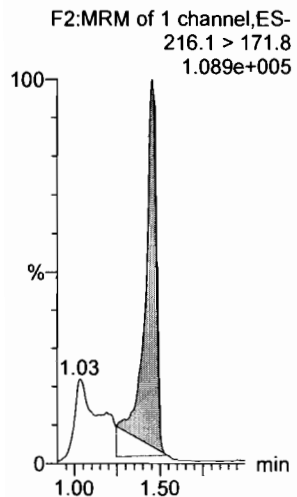
**PFHxA**



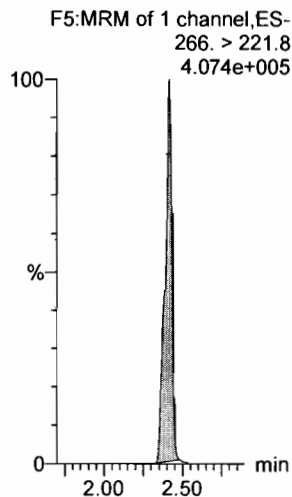
**PFPeS**



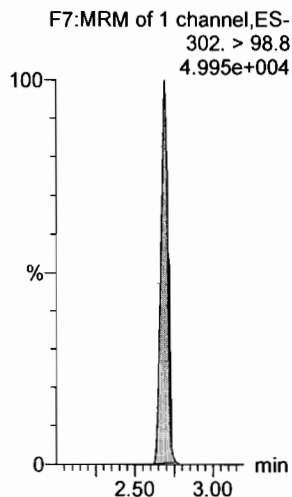
**13C3-PFBA**



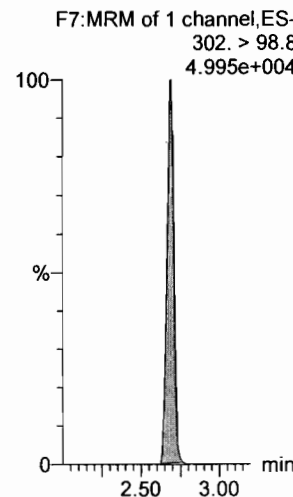
**13C3-PFPeA**



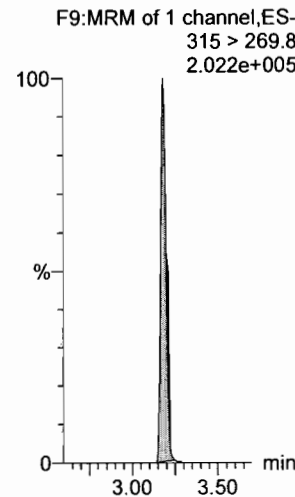
**13C3-PFBS**



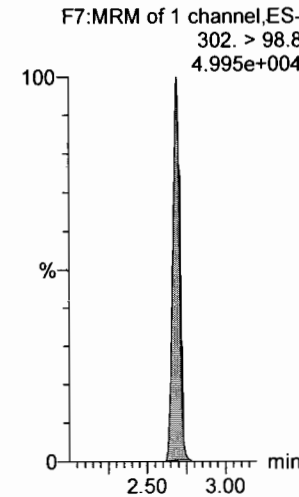
**13C3-PFBS**



**13C2-PFHxA**



**13C3-PFBS**



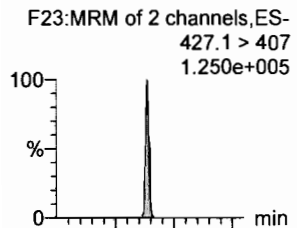


Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

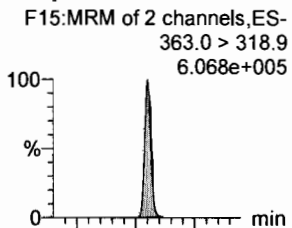
Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time  
Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

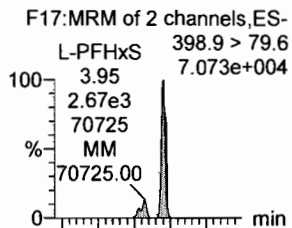
**6:2 FTS**



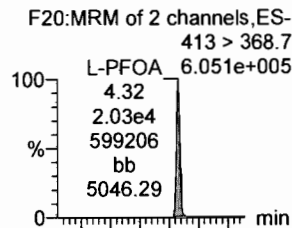
**PFHpA**



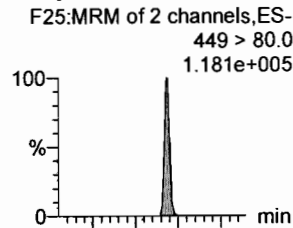
**L-PFHxS**



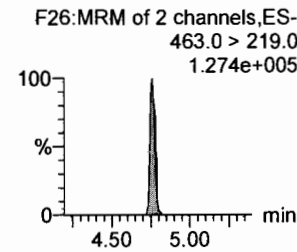
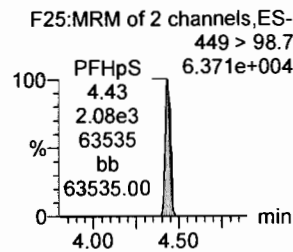
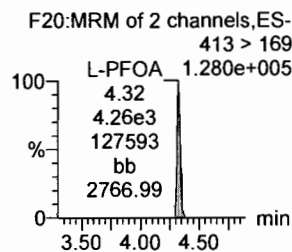
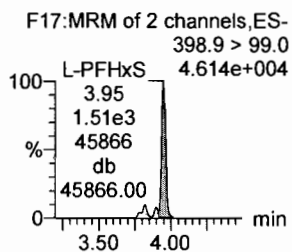
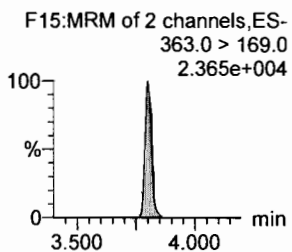
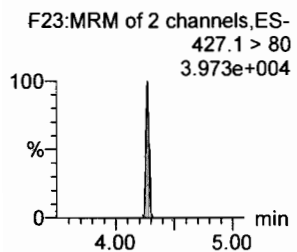
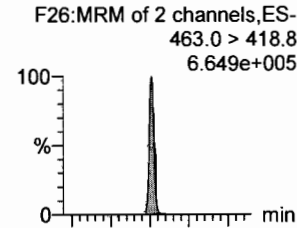
**L-PFOA**



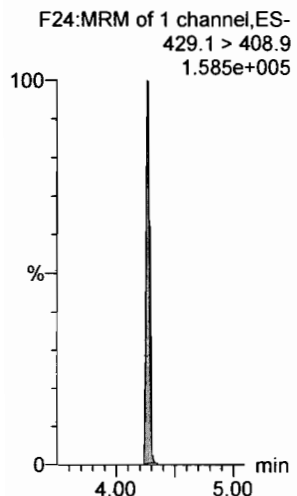
**PFHpS**



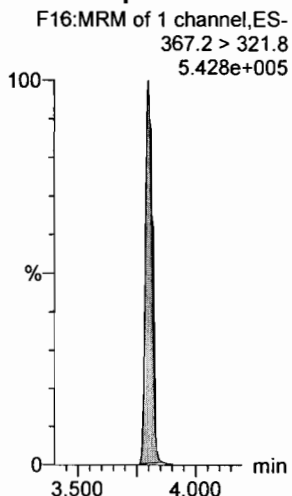
**PFNA**



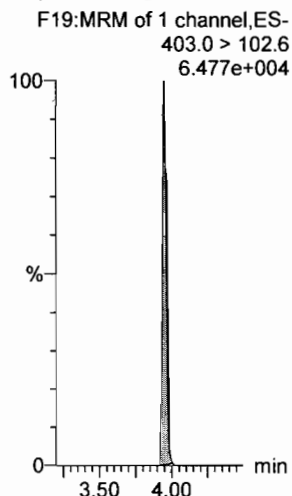
**13C2-6:2 FTS**



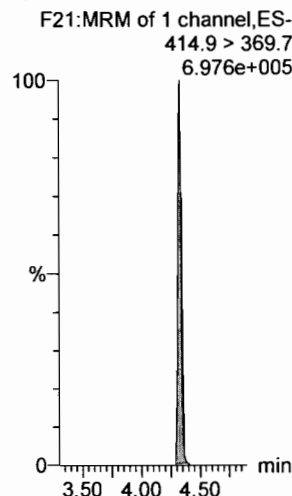
**13C4-PFHpA**



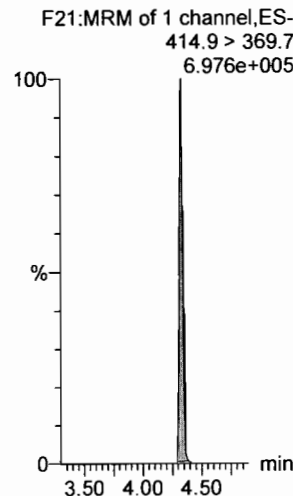
**18O2-PFHxS**



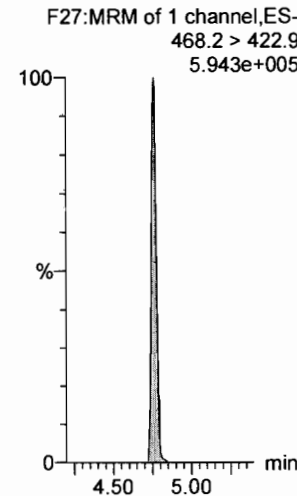
**13C2-PFOA**



**13C2-PFOA**



**13C5-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

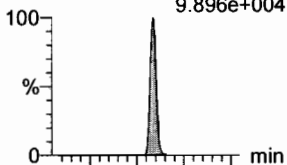
Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

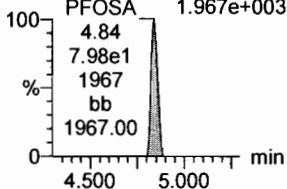
Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
9.896e+004

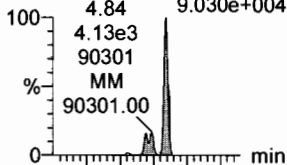


F29:MRM of 4 channels,ES-  
498.1 > 478  
1.967e+003

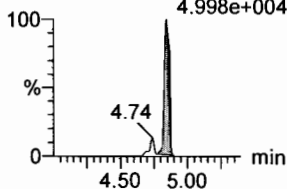


**L-PFOS**

F31:MRM of 2 channels,ES-  
L-PFOS 499 > 79.9  
4.84 9.030e+004  
4.13e3  
90301  
MM  
90301.00



F31:MRM of 2 channels,ES-  
499 > 99  
4.998e+004

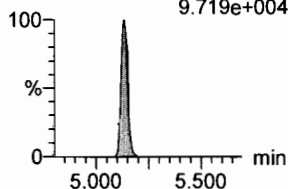


**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
6.854e+005

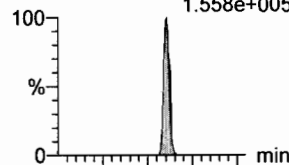


F36:MRM of 2 channels,ES-  
513 > 219  
9.719e+004

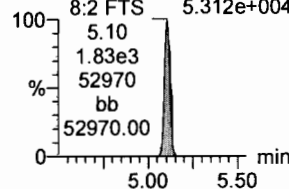


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.558e+005

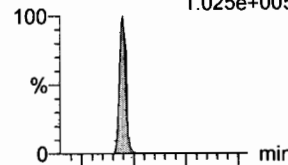


F41:MRM of 2 channels,ES-  
527 > 80  
5.312e+004

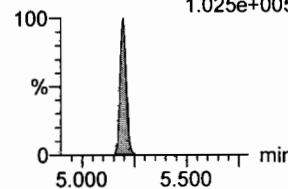


**PFNS**

F44:MRM of 2 channels,ES-  
549.1 > 80.1  
1.025e+005

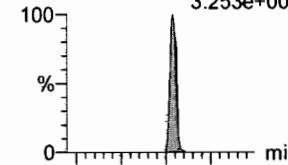


F44:MRM of 2 channels,ES-  
549.1 > 80.1  
1.025e+005

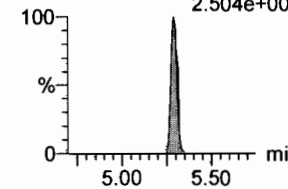


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
3.253e+005

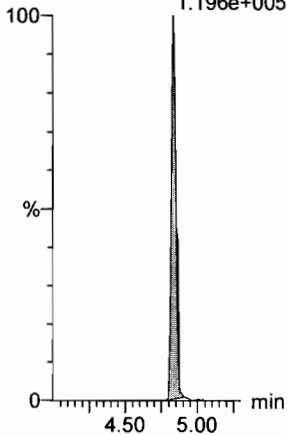


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
2.504e+004



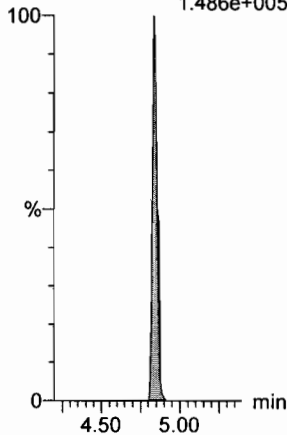
**13C8-PFOSA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
1.196e+005



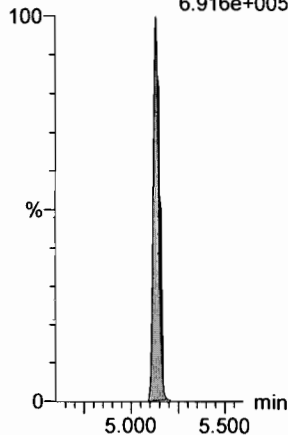
**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
1.486e+005



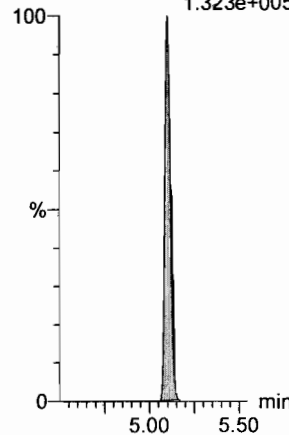
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
6.916e+005



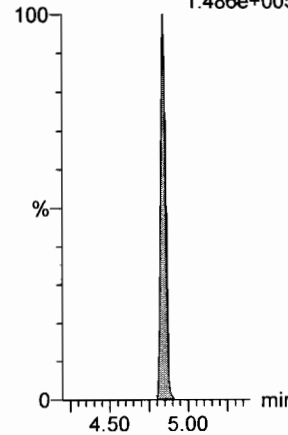
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.323e+005



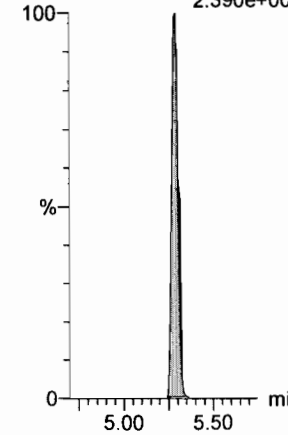
**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
1.486e+005



**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.390e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

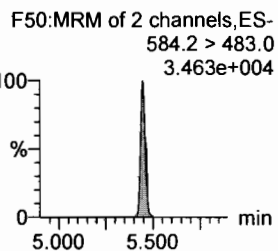
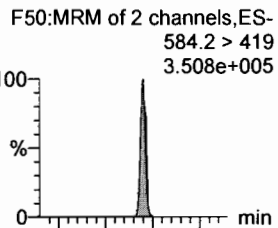
Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

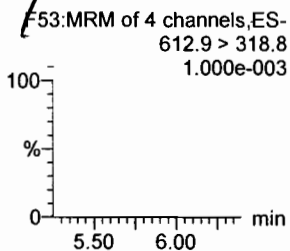
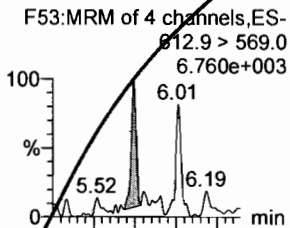
Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

*am 3/12/18*

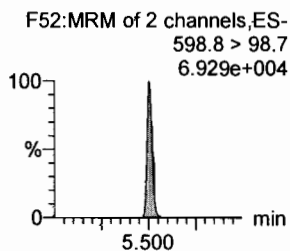
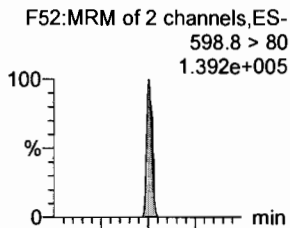
**N-EtFOSAA**



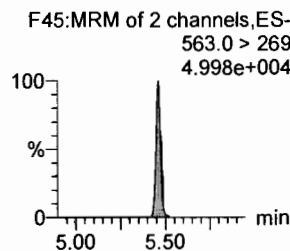
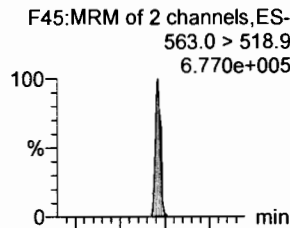
**PFDoA**



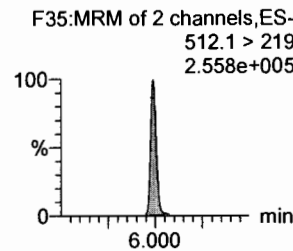
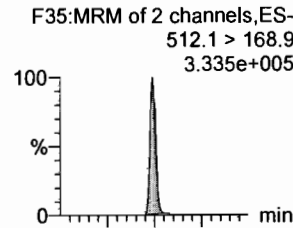
**PFDS**



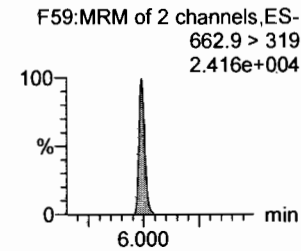
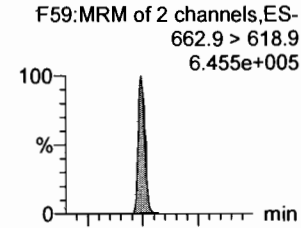
**PFUdA**



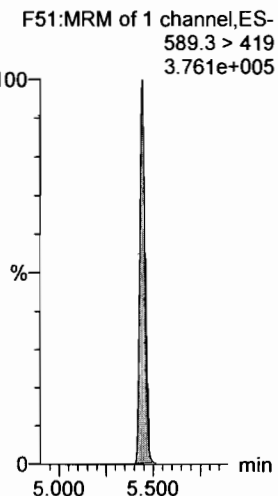
**N-MeFOSA**



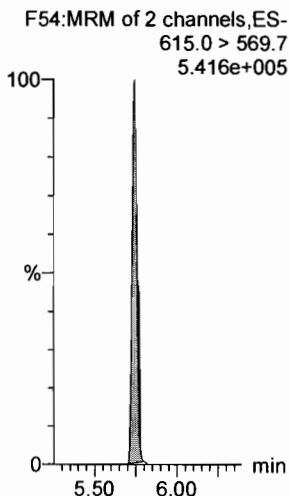
**PFTrDA**



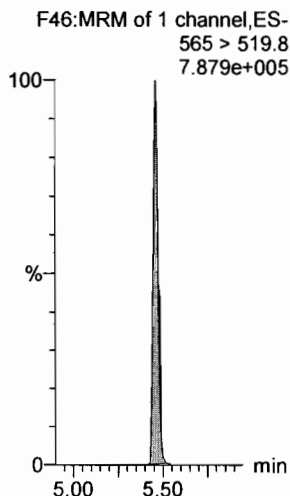
**d5-N-EtFOSAA**



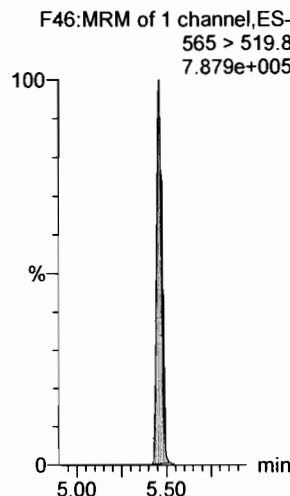
**13C2-PFDoA**



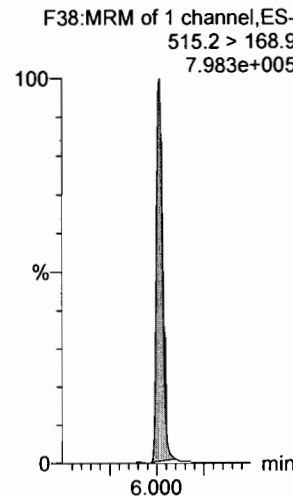
**13C2-PFUdA**



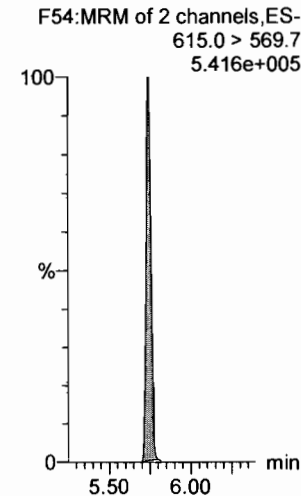
**13C2-PFUdA**



**d3-N-MeFOSA**



**13C2-PFDoA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

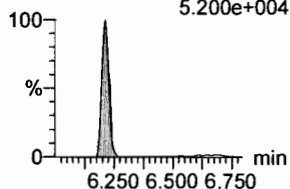
Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
5.276e+005

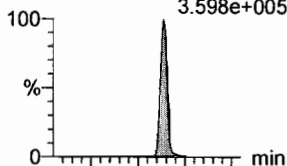


F60:MRM of 2 channels,ES-  
712.9 > 369  
5.200e+004

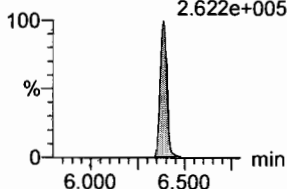


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
3.598e+005

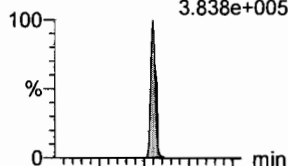


F40:MRM of 2 channels,ES-  
526.1 > 219  
2.622e+005

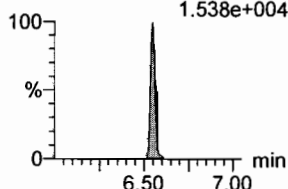


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
3.838e+005

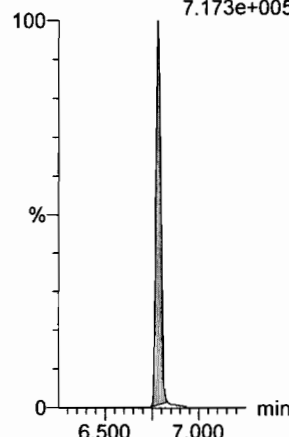


F62:MRM of 2 channels,ES-  
813.1 > 219  
1.538e+004



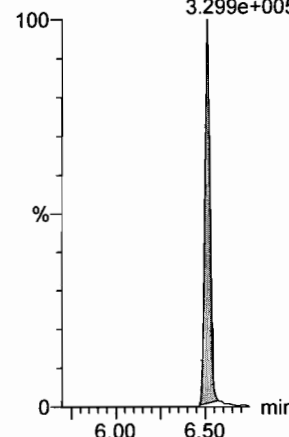
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
7.173e+005



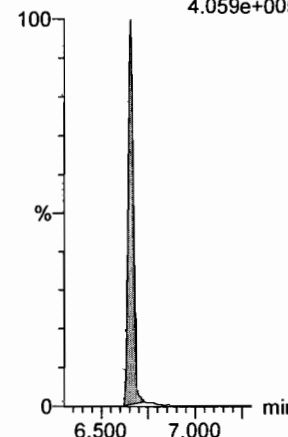
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
3.299e+005



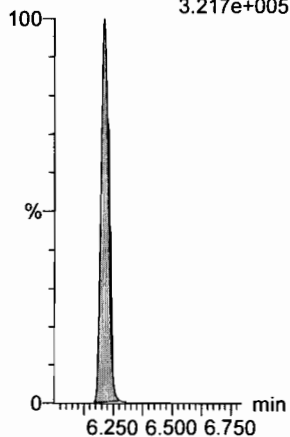
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
4.059e+005



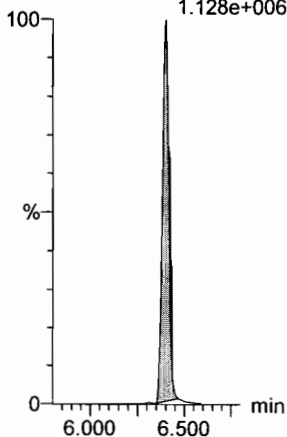
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
3.217e+005



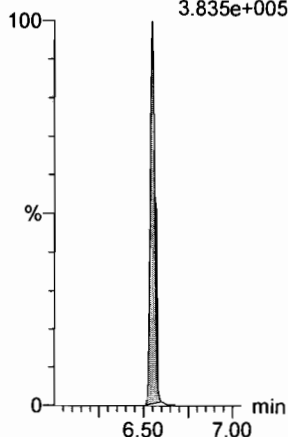
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.128e+006



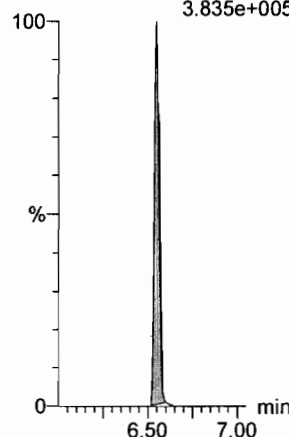
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
3.835e+005



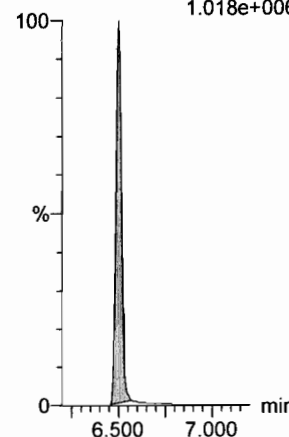
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
3.835e+005



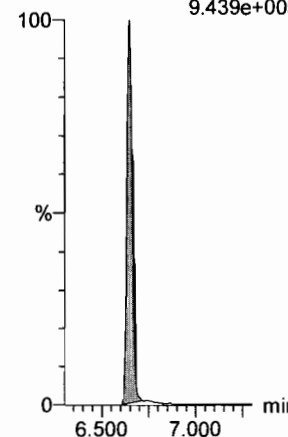
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.018e+006



**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
9.439e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-31.qld

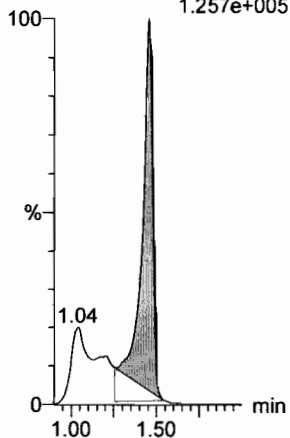
Last Altered: Friday, March 09, 2018 14:43:04 Pacific Standard Time

Printed: Monday, March 12, 2018 13:10:27 Pacific Daylight Time

Name: 180307M2\_31, Date: 08-Mar-2018, Time: 13:18:21, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

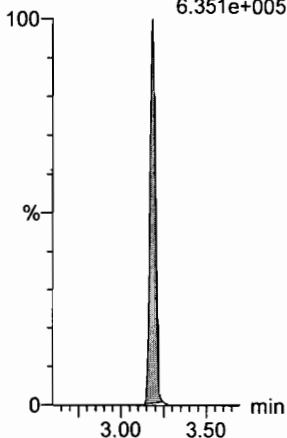
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.257e+005



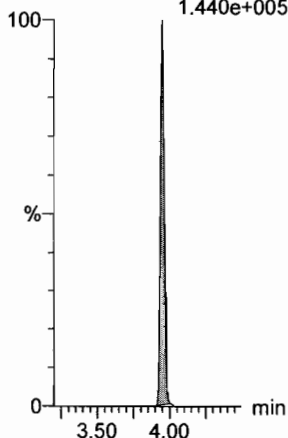
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
6.351e+005



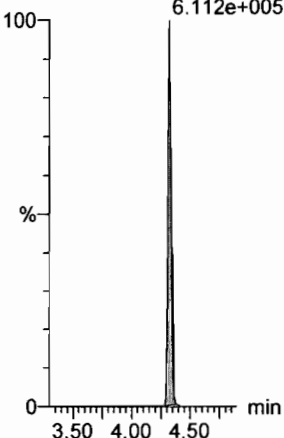
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.440e+005



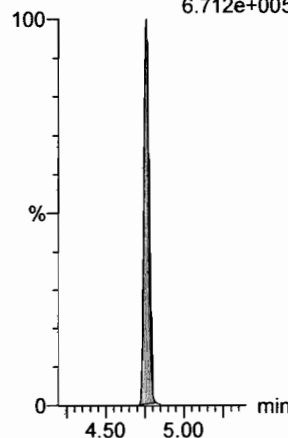
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
6.112e+005



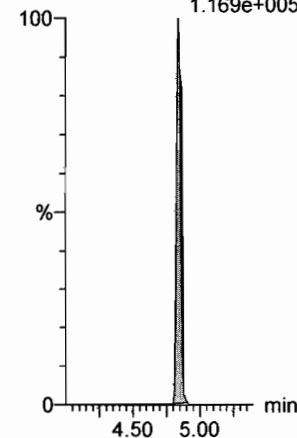
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
6.712e+005



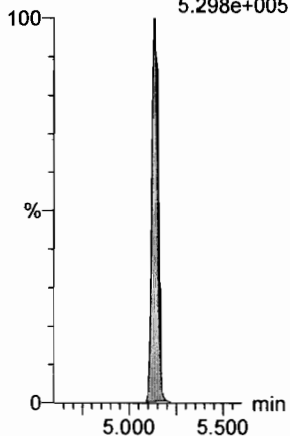
**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.169e+005



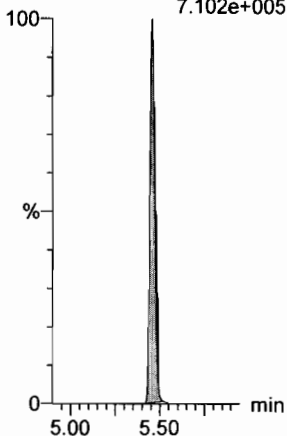
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
5.298e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
7.102e+005



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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_RS-2-5-18.mdb 06 Feb 2018 10:46:28  
Calibration: 08 Mar 2018 14:25:57

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-6 PFC CS3 18C0607	1.40e4	100.0	NO
2	2 13C5-PFHxA	ST180307M1-6 PFC CS3 18C0607	3.06e4	100.0	NO
3	3 13C3-PFHxS	ST180307M1-6 PFC CS3 18C0607	6.44e3	100.0	NO
4	4 13C8-PFOA	ST180307M1-6 PFC CS3 18C0607	3.00e4	100.0	NO
5	5 13C9-PFNA	ST180307M1-6 PFC CS3 18C0607	2.82e4	100.0	NO
6	6 13C4-PFOS	ST180307M1-6 PFC CS3 18C0607	6.86e3	100.0	NO
7	7 13C6-PFDA	ST180307M1-6 PFC CS3 18C0607	3.37e4	100.0	NO
8	8 13C7-PFUDa	ST180307M1-6 PFC CS3 18C0607	3.32e4	100.0	NO

Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-7 PFC CS4 18C0608	1.39e4	99.3	NO
2	2 13C5-PFHxA	ST180307M1-7 PFC CS4 18C0608	2.95e4	96.2	NO
3	3 13C3-PFHxS	ST180307M1-7 PFC CS4 18C0608	5.60e3	86.9	NO
4	4 13C8-PFOA	ST180307M1-7 PFC CS4 18C0608	2.92e4	97.1	NO
5	5 13C9-PFNA	ST180307M1-7 PFC CS4 18C0608	3.03e4	107.1	NO
6	6 13C4-PFOS	ST180307M1-7 PFC CS4 18C0608	6.63e3	96.6	NO
7	7 13C6-PFDA	ST180307M1-7 PFC CS4 18C0608	3.08e4	91.4	NO
8	8 13C7-PFUDa	ST180307M1-7 PFC CS4 18C0608	3.11e4	93.6	NO

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-8 PFC CS5 18C0609	1.43e4	102.3	NO
2	2 13C5-PFHxA	ST180307M1-8 PFC CS5 18C0609	2.96e4	96.6	NO
3	3 13C3-PFHxS	ST180307M1-8 PFC CS5 18C0609	6.44e3	99.9	NO
4	4 13C8-PFOA	ST180307M1-8 PFC CS5 18C0609	2.92e4	97.2	NO
5	5 13C9-PFNA	ST180307M1-8 PFC CS5 18C0609	2.97e4	105.1	NO
6	6 13C4-PFOS	ST180307M1-8 PFC CS5 18C0609	5.87e3	85.5	NO
7	7 13C6-PFDA	ST180307M1-8 PFC CS5 18C0609	3.03e4	90.0	NO
8	8 13C7-PFUDa	ST180307M1-8 PFC CS5 18C0609	3.50e4	105.5	NO

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-9 PFC CS6 18C0610	1.38e4	99.0	NO
2	2 13C5-PFHxA	ST180307M1-9 PFC CS6 18C0610	2.91e4	94.9	NO
3	3 13C3-PFHxS	ST180307M1-9 PFC CS6 18C0610	5.21e3	80.9	NO
4	4 13C8-PFOA	ST180307M1-9 PFC CS6 18C0610	2.84e4	94.5	NO
5	5 13C9-PFNA	ST180307M1-9 PFC CS6 18C0610	2.96e4	104.7	NO
6	6 13C4-PFOS	ST180307M1-9 PFC CS6 18C0610	5.73e3	83.5	NO
7	7 13C6-PFDA	ST180307M1-9 PFC CS6 18C0610	3.14e4	93.2	NO
8	8 13C7-PFUDa	ST180307M1-9 PFC CS6 18C0610	2.74e4	82.6	NO

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**Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-10 PFC CS7 18C0611	1.48e4	106.2	NO
2	2 13C5-PFHxA	ST180307M1-10 PFC CS7 18C0611	2.65e4	86.4	NO
3	3 13C3-PFHxS	ST180307M1-10 PFC CS7 18C0611	4.78e3	74.2	NO
4	4 13C8-PFOA	ST180307M1-10 PFC CS7 18C0611	2.56e4	85.4	NO
5	5 13C9-PFNA	ST180307M1-10 PFC CS7 18C0611	2.64e4	93.4	NO
6	6 13C4-PFOS	ST180307M1-10 PFC CS7 18C0611	5.73e3	83.5	NO
7	7 13C6-PFDA	ST180307M1-10 PFC CS7 18C0611	2.78e4	82.4	NO
8	8 13C7-PFUDa	ST180307M1-10 PFC CS7 18C0611	3.02e4	91.0	NO

**Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, 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	8.35e0	0.0	YES
8	8 13C7-PFUDa	IPA			NO

**Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV180307M1-1 PFC ICV 18C0601	1.55e4	111.2	NO
2	2 13C5-PFHxA	ICV180307M1-1 PFC ICV 18C0601	3.13e4	102.3	NO
3	3 13C3-PFHxS	ICV180307M1-1 PFC ICV 18C0601	6.80e3	105.5	NO
4	4 13C8-PFOA	ICV180307M1-1 PFC ICV 18C0601	2.48e4	82.7	NO
5	5 13C9-PFNA	ICV180307M1-1 PFC ICV 18C0601	3.40e4	120.4	NO
6	6 13C4-PFOS	ICV180307M1-1 PFC ICV 18C0601	6.57e3	95.7	NO
7	7 13C6-PFDA	ICV180307M1-1 PFC ICV 18C0601	2.77e4	82.3	NO
8	8 13C7-PFUDa	ICV180307M1-1 PFC ICV 18C0601	3.53e4	106.4	NO

**Name: 180307M1\_18, Date: 07-Mar-2018, Time: 19:15:34, 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: 180307M1\_19, Date: 07-Mar-2018, Time: 19:27:06, ID: 1800342-15 WI-AF-FB01-021718 0.11145, Description: WI-AF-FB01-021718**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-15 WI-AF-FB01-021718 0.11145	1.41e4	101.1	NO
2	2 13C5-PFHxA	1800342-15 WI-AF-FB01-021718 0.11145	2.21e4	72.2	NO
3	3 13C3-PFHxS	1800342-15 WI-AF-FB01-021718 0.11145	4.95e3	76.9	NO
4	4 13C8-PFOA	1800342-15 WI-AF-FB01-021718 0.11145	1.94e4	64.6	NO
5	5 13C9-PFNA	1800342-15 WI-AF-FB01-021718 0.11145	2.32e4	82.0	NO
6	6 13C4-PFOS	1800342-15 WI-AF-FB01-021718 0.11145	4.62e3	67.3	NO
7	7 13C6-PFDA	1800342-15 WI-AF-FB01-021718 0.11145	2.25e4	66.7	NO
8	8 13C7-PFUdA	1800342-15 WI-AF-FB01-021718 0.11145	2.99e4	90.0	NO

**Name: 180307M1\_20, Date: 07-Mar-2018, Time: 19:38:30, ID: B8B0147-BS1 OPR 0.25, Description: OPR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0147-BS1 OPR 0.25	2.98e4	213.5	YES
2	2 13C5-PFHxA	B8B0147-BS1 OPR 0.25	4.62e4	150.8	YES
3	3 13C3-PFHxS	B8B0147-BS1 OPR 0.25	1.04e4	161.0	YES
4	4 13C8-PFOA	B8B0147-BS1 OPR 0.25	4.88e4	162.4	YES
5	5 13C9-PFNA	B8B0147-BS1 OPR 0.25	5.46e4	193.1	YES
6	6 13C4-PFOS	B8B0147-BS1 OPR 0.25	1.11e4	161.6	YES
7	7 13C6-PFDA	B8B0147-BS1 OPR 0.25	5.19e4	153.9	YES
8	8 13C7-PFUdA	B8B0147-BS1 OPR 0.25	5.09e4	153.4	YES

**Name: 180307M1\_21, Date: 07-Mar-2018, Time: 19:49:57, ID: B8B0147-BLK1 Method Blank 0.25, Description: Method Blank**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0147-BLK1 Method Blank 0.25	2.51e4	179.8	YES
2	2 13C5-PFHxA	B8B0147-BLK1 Method Blank 0.25	3.58e4	117.0	NO
3	3 13C3-PFHxS	B8B0147-BLK1 Method Blank 0.25	8.02e3	124.5	NO
4	4 13C8-PFOA	B8B0147-BLK1 Method Blank 0.25	3.69e4	122.9	NO
5	5 13C9-PFNA	B8B0147-BLK1 Method Blank 0.25	3.81e4	135.0	NO
6	6 13C4-PFOS	B8B0147-BLK1 Method Blank 0.25	8.71e3	126.8	NO
7	7 13C6-PFDA	B8B0147-BLK1 Method Blank 0.25	3.76e4	111.4	NO
8	8 13C7-PFUdA	B8B0147-BLK1 Method Blank 0.25	4.31e4	129.7	NO

**Name: 180307M1\_22, Date: 07-Mar-2018, Time: 20:01:28, ID: B8B0147-MS1 Matrix Spike 0.25376, Description: Matrix Spike**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0147-MS1 Matrix Spike 0.25376	2.73e4	195.2	YES
2	2 13C5-PFHxA	B8B0147-MS1 Matrix Spike 0.25376	4.16e4	135.7	NO
3	3 13C3-PFHxS	B8B0147-MS1 Matrix Spike 0.25376	9.00e3	139.6	NO
4	4 13C8-PFOA	B8B0147-MS1 Matrix Spike 0.25376	4.07e4	135.6	NO
5	5 13C9-PFNA	B8B0147-MS1 Matrix Spike 0.25376	4.49e4	159.0	YES
6	6 13C4-PFOS	B8B0147-MS1 Matrix Spike 0.25376	1.03e4	149.9	NO
7	7 13C6-PFDA	B8B0147-MS1 Matrix Spike 0.25376	3.94e4	116.9	NO
8	8 13C7-PFUdA	B8B0147-MS1 Matrix Spike 0.25376	4.63e4	139.3	NO



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**Name: 180307M1\_23, Date: 07-Mar-2018, Time: 20:12:55, ID: B8B0147-MSD1 Matrix Spike Dup 0.25664, Description: Matrix Spike Dup**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0147-MSD1 Matrix Spike Dup 0.256...	2.17e4	155.6	YES
2	2	13C5-PFHxA	B8B0147-MSD1 Matrix Spike Dup 0.256...	3.37e4	110.0	NO
3	3	13C3-PFHxS	B8B0147-MSD1 Matrix Spike Dup 0.256...	6.64e3	103.0	NO
4	4	13C8-PFOA	B8B0147-MSD1 Matrix Spike Dup 0.256...	3.05e4	101.7	NO
5	5	13C9-PFNA	B8B0147-MSD1 Matrix Spike Dup 0.256...	2.84e4	100.6	NO
6	6	13C4-PFOS	B8B0147-MSD1 Matrix Spike Dup 0.256...	7.55e3	110.0	NO
7	7	13C6-PFDA	B8B0147-MSD1 Matrix Spike Dup 0.256...	3.20e4	95.1	NO
8	8	13C7-PFUDa	B8B0147-MSD1 Matrix Spike Dup 0.256...	3.50e4	105.3	NO

**Name: 180307M1\_24, Date: 07-Mar-2018, Time: 20:24:24, ID: 1800284-16RE1 OF-RW31-0218 0.11777, Description: OF-RW31-0218**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800284-16RE1 OF-RW31-0218 0.11777	1.55e4	111.0	NO
2	2	13C5-PFHxA	1800284-16RE1 OF-RW31-0218 0.11777	2.54e4	82.9	NO
3	3	13C3-PFHxS	1800284-16RE1 OF-RW31-0218 0.11777	8.56e3	132.9	NO
4	4	13C8-PFOA	1800284-16RE1 OF-RW31-0218 0.11777	2.28e4	76.0	NO
5	5	13C9-PFNA	1800284-16RE1 OF-RW31-0218 0.11777	3.16e4	111.7	NO
6	6	13C4-PFOS	1800284-16RE1 OF-RW31-0218 0.11777	8.83e3	128.7	NO
7	7	13C6-PFDA	1800284-16RE1 OF-RW31-0218 0.11777	3.26e4	96.8	NO
8	8	13C7-PFUDa	1800284-16RE1 OF-RW31-0218 0.11777	3.75e4	113.0	NO

**Name: 180307M1\_25, Date: 07-Mar-2018, Time: 20:35:50, ID: 1800328-01 RS 1 0.11484, Description: RS 1**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800328-01 RS 1 0.11484	2.48e4	177.6	YES
2	2	13C5-PFHxA	1800328-01 RS 1 0.11484	3.76e4	122.7	NO
3	3	13C3-PFHxS	1800328-01 RS 1 0.11484	8.12e3	125.9	NO
4	4	13C8-PFOA	1800328-01 RS 1 0.11484	3.66e4	121.9	NO
5	5	13C9-PFNA	1800328-01 RS 1 0.11484	4.54e4	160.6	YES
6	6	13C4-PFOS	1800328-01 RS 1 0.11484	9.01e3	131.2	NO
7	7	13C6-PFDA	1800328-01 RS 1 0.11484	4.04e4	119.8	NO
8	8	13C7-PFUDa	1800328-01 RS 1 0.11484	4.27e4	128.5	NO

**Name: 180307M1\_26, Date: 07-Mar-2018, Time: 20:47:20, ID: 1800330-01 MW-3 0.1111, Description: MW-3**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800330-01 MW-3 0.1111	2.61e4	186.8	YES
2	2	13C5-PFHxA	1800330-01 MW-3 0.1111	3.71e4	121.1	NO
3	3	13C3-PFHxS	1800330-01 MW-3 0.1111	8.52e3	132.3	NO
4	4	13C8-PFOA	1800330-01 MW-3 0.1111	3.79e4	126.1	NO
5	5	13C9-PFNA	1800330-01 MW-3 0.1111	4.23e4	149.8	NO
6	6	13C4-PFOS	1800330-01 MW-3 0.1111	8.59e3	125.1	NO
7	7	13C6-PFDA	1800330-01 MW-3 0.1111	3.69e4	109.6	NO
8	8	13C7-PFUDa	1800330-01 MW-3 0.1111	4.35e4	131.1	NO

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**Name: 180307M1\_27, Date: 07-Mar-2018, Time: 20:58:50, ID: 1800335-01 IRPSite3-GW-03GW01-20180213 0.26463, Description: IRPSite3-GW-03GW01-20180213**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800335-01 IRPSite3-GW-03GW01-20...	2.13e4	152.5	YES
2	2 13C5-PFHxA	1800335-01 IRPSite3-GW-03GW01-20...	3.29e4	107.5	NO
3	3 13C3-PFHxS	1800335-01 IRPSite3-GW-03GW01-20...	8.20e3	127.2	NO
4	4 13C8-PFOA	1800335-01 IRPSite3-GW-03GW01-20...	2.93e4	97.6	NO
5	5 13C9-PFNA	1800335-01 IRPSite3-GW-03GW01-20...	3.79e4	134.2	NO
6	6 13C4-PFOS	1800335-01 IRPSite3-GW-03GW01-20...	8.00e3	116.6	NO
7	7 13C6-PFDA	1800335-01 IRPSite3-GW-03GW01-20...	3.67e4	109.0	NO
8	8 13C7-PFUdA	1800335-01 IRPSite3-GW-03GW01-20...	3.69e4	111.3	NO

**Name: 180307M1\_28, Date: 07-Mar-2018, Time: 21:10:20, ID: 1800335-02 IRPSite3-GW-03GW02-20180213 0.26126, Description: IRPSite3-GW-03GW02-20180213**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800335-02 IRPSite3-GW-03GW02-20...	2.91e4	208.0	YES
2	2 13C5-PFHxA	1800335-02 IRPSite3-GW-03GW02-20...	4.12e4	134.5	NO
3	3 13C3-PFHxS	1800335-02 IRPSite3-GW-03GW02-20...	9.41e3	146.0	NO
4	4 13C8-PFOA	1800335-02 IRPSite3-GW-03GW02-20...	4.04e4	134.4	NO
5	5 13C9-PFNA	1800335-02 IRPSite3-GW-03GW02-20...	4.65e4	164.7	YES
6	6 13C4-PFOS	1800335-02 IRPSite3-GW-03GW02-20...	8.83e3	128.7	NO
7	7 13C6-PFDA	1800335-02 IRPSite3-GW-03GW02-20...	4.55e4	135.0	NO
8	8 13C7-PFUdA	1800335-02 IRPSite3-GW-03GW02-20...	5.68e4	171.0	YES

**Name: 180307M1\_29, Date: 07-Mar-2018, Time: 21:21:49, ID: 1800335-03 IRPSite3-GW-03GW03-20180213 0.25846, Description: IRPSite3-GW-03GW03-20180213**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800335-03 IRPSite3-GW-03GW03-20...	2.76e4	197.3	YES
2	2 13C5-PFHxA	1800335-03 IRPSite3-GW-03GW03-20...	3.79e4	123.7	NO
3	3 13C3-PFHxS	1800335-03 IRPSite3-GW-03GW03-20...	8.60e3	133.5	NO
4	4 13C8-PFOA	1800335-03 IRPSite3-GW-03GW03-20...	3.42e4	113.9	NO
5	5 13C9-PFNA	1800335-03 IRPSite3-GW-03GW03-20...	4.59e4	162.6	YES
6	6 13C4-PFOS	1800335-03 IRPSite3-GW-03GW03-20...	9.14e3	133.1	NO
7	7 13C6-PFDA	1800335-03 IRPSite3-GW-03GW03-20...	3.73e4	110.8	NO
8	8 13C7-PFUdA	1800335-03 IRPSite3-GW-03GW03-20...	4.29e4	129.3	NO

**Name: 180307M1\_30, Date: 07-Mar-2018, Time: 21:33:19, ID: 1800335-04 IRPSite3-GW-DUP01-20180213 0.25753, Description: IRPSite3-GW-DUP01-20180213**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800335-04 IRPSite3-GW-DUP01-2018...	2.43e4	173.6	YES
2	2 13C5-PFHxA	1800335-04 IRPSite3-GW-DUP01-2018...	3.71e4	121.2	NO
3	3 13C3-PFHxS	1800335-04 IRPSite3-GW-DUP01-2018...	7.57e3	117.4	NO
4	4 13C8-PFOA	1800335-04 IRPSite3-GW-DUP01-2018...	3.83e4	127.7	NO
5	5 13C9-PFNA	1800335-04 IRPSite3-GW-DUP01-2018...	3.52e4	124.8	NO
6	6 13C4-PFOS	1800335-04 IRPSite3-GW-DUP01-2018...	9.01e3	131.3	NO
7	7 13C6-PFDA	1800335-04 IRPSite3-GW-DUP01-2018...	3.81e4	113.1	NO
8	8 13C7-PFUdA	1800335-04 IRPSite3-GW-DUP01-2018...	4.03e4	121.3	NO

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**Name: 180307M1\_31, Date: 07-Mar-2018, Time: 21:44:46, ID: 1800335-05 IRPSite3-GW-EB01-20180213 0.26186,**  
**Description: IRPSite3-GW-EB01-20180213**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800335-05 IRPSite3-GW-EB01-20180...	2.19e4	156.5	YES
2	2	13C5-PFHxA	1800335-05 IRPSite3-GW-EB01-20180...	3.28e4	107.0	NO
3	3	13C3-PFHxS	1800335-05 IRPSite3-GW-EB01-20180...	7.40e3	114.8	NO
4	4	13C8-PFOA	1800335-05 IRPSite3-GW-EB01-20180...	3.13e4	104.2	NO
5	5	13C9-PFNA	1800335-05 IRPSite3-GW-EB01-20180...	3.29e4	116.4	NO
6	6	13C4-PFOS	1800335-05 IRPSite3-GW-EB01-20180...	8.21e3	119.6	NO
7	7	13C6-PFDA	1800335-05 IRPSite3-GW-EB01-20180...	3.93e4	116.5	NO
8	8	13C7-PFUDa	1800335-05 IRPSite3-GW-EB01-20180...	4.30e4	129.5	NO

**Name: 180307M1\_32, Date: 07-Mar-2018, Time: 21:56:15, ID: 1800335-06 IRPSite3-GW-FRB01-20180213 0.25863,**  
**Description: IRPSite3-GW-FRB01-20180213**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800335-06 IRPSite3-GW-FRB01-2018...	2.69e4	192.7	YES
2	2	13C5-PFHxA	1800335-06 IRPSite3-GW-FRB01-2018...	4.38e4	142.9	NO
3	3	13C3-PFHxS	1800335-06 IRPSite3-GW-FRB01-2018...	8.01e3	124.4	NO
4	4	13C8-PFOA	1800335-06 IRPSite3-GW-FRB01-2018...	3.88e4	129.3	NO
5	5	13C9-PFNA	1800335-06 IRPSite3-GW-FRB01-2018...	4.71e4	166.6	YES
6	6	13C4-PFOS	1800335-06 IRPSite3-GW-FRB01-2018...	9.93e3	144.6	NO
7	7	13C6-PFDA	1800335-06 IRPSite3-GW-FRB01-2018...	4.04e4	119.7	NO
8	8	13C7-PFUDa	1800335-06 IRPSite3-GW-FRB01-2018...	4.99e4	150.2	YES

**Name: 180307M1\_33, Date: 07-Mar-2018, Time: 22:07:45, ID: 1800335-07 IRPSite3-GW-SWB01-20180213 0.26489,**  
**Description: IRPSite3-GW-SWB01-20180213**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800335-07 IRPSite3-GW-SWB01-201...	2.22e4	159.1	YES
2	2	13C5-PFHxA	1800335-07 IRPSite3-GW-SWB01-201...	3.47e4	113.3	NO
3	3	13C3-PFHxS	1800335-07 IRPSite3-GW-SWB01-201...	7.03e3	109.2	NO
4	4	13C8-PFOA	1800335-07 IRPSite3-GW-SWB01-201...	3.20e4	106.6	NO
5	5	13C9-PFNA	1800335-07 IRPSite3-GW-SWB01-201...	3.59e4	126.9	NO
6	6	13C4-PFOS	1800335-07 IRPSite3-GW-SWB01-201...	6.53e3	95.1	NO
7	7	13C6-PFDA	1800335-07 IRPSite3-GW-SWB01-201...	3.14e4	93.2	NO
8	8	13C7-PFUDa	1800335-07 IRPSite3-GW-SWB01-201...	3.75e4	113.0	NO

**Name: 180307M1\_34, Date: 07-Mar-2018, Time: 22:19:15, ID: 1800343-01 YMCA Maintenance Bldg 0.25915,**  
**Description: YMCA Maintenance Bldg**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800343-01 YMCA Maintenance Bldg 0....	1.84e4	131.8	NO
2	2	13C5-PFHxA	1800343-01 YMCA Maintenance Bldg 0....	2.87e4	93.7	NO
3	3	13C3-PFHxS	1800343-01 YMCA Maintenance Bldg 0....	5.95e3	92.4	NO
4	4	13C8-PFOA	1800343-01 YMCA Maintenance Bldg 0....	2.54e4	84.6	NO
5	5	13C9-PFNA	1800343-01 YMCA Maintenance Bldg 0....	2.90e4	102.5	NO
6	6	13C4-PFOS	1800343-01 YMCA Maintenance Bldg 0....	6.53e3	95.1	NO
7	7	13C6-PFDA	1800343-01 YMCA Maintenance Bldg 0....	2.93e4	87.0	NO
8	8	13C7-PFUDa	1800343-01 YMCA Maintenance Bldg 0....	3.50e4	105.3	NO

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**Name: 180307M1\_35, Date: 07-Mar-2018, Time: 22:30:42, ID: 1800343-02 YMCA Residence 0.26136, Description: YMCA Residence**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800343-02 YMCA Residence 0.26136	2.41e4	172.7	YES
2	2 13C5-PFHxA	1800343-02 YMCA Residence 0.26136	3.70e4	120.7	NO
3	3 13C3-PFHxS	1800343-02 YMCA Residence 0.26136	8.15e3	126.5	NO
4	4 13C8-PFOA	1800343-02 YMCA Residence 0.26136	3.49e4	116.2	NO
5	5 13C9-PFNA	1800343-02 YMCA Residence 0.26136	3.24e4	114.8	NO
6	6 13C4-PFOS	1800343-02 YMCA Residence 0.26136	9.67e3	140.9	NO
7	7 13C6-PFDA	1800343-02 YMCA Residence 0.26136	3.00e4	89.1	NO
8	8 13C7-PFUdA	1800343-02 YMCA Residence 0.26136	4.31e4	129.8	NO

**Name: 180307M1\_36, Date: 07-Mar-2018, Time: 22:42:11, 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: 180307M1\_37, Date: 07-Mar-2018, Time: 22:53:40, ID: ST180307M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-11 PFC CS3 18B2317	1.55e4	111.2	NO
2	2 13C5-PFHxA	ST180307M1-11 PFC CS3 18B2317	3.16e4	103.3	NO
3	3 13C3-PFHxS	ST180307M1-11 PFC CS3 18B2317	6.69e3	103.8	NO
4	4 13C8-PFOA	ST180307M1-11 PFC CS3 18B2317	3.18e4	105.9	NO
5	5 13C9-PFNA	ST180307M1-11 PFC CS3 18B2317	3.76e4	133.2	NO
6	6 13C4-PFOS	ST180307M1-11 PFC CS3 18B2317	6.65e3	96.9	NO
7	7 13C6-PFDA	ST180307M1-11 PFC CS3 18B2317	3.15e4	93.6	NO
8	8 13C7-PFUdA	ST180307M1-11 PFC CS3 18B2317	3.60e4	108.3	NO

**Name: 180307M1\_38, Date: 07-Mar-2018, Time: 23:05:10, 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	7.05e0	0.0	YES
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA	8.07e0	0.0	YES
8	8 13C7-PFUdA	IPA			NO

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**Name: 180307M1\_39, Date: 07-Mar-2018, Time: 23:16:40, ID: 1800346-01 WI-AF-SB-FB01-021418 0.11713, Description: WI-AF-SB-FB01-021418**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800346-01 WI-AF-SB-FB01-021418 0....	2.21e4	158.2	YES
2	2 13C5-PFHxA	1800346-01 WI-AF-SB-FB01-021418 0....	3.02e4	98.6	NO
3	3 13C3-PFHxS	1800346-01 WI-AF-SB-FB01-021418 0....	6.87e3	106.6	NO
4	4 13C8-PFOA	1800346-01 WI-AF-SB-FB01-021418 0....	3.30e4	109.9	NO
5	5 13C9-PFNA	1800346-01 WI-AF-SB-FB01-021418 0....	3.21e4	113.5	NO
6	6 13C4-PFOS	1800346-01 WI-AF-SB-FB01-021418 0....	7.71e3	112.3	NO
7	7 13C6-PFDA	1800346-01 WI-AF-SB-FB01-021418 0....	3.45e4	102.4	NO
8	8 13C7-PFUdA	1800346-01 WI-AF-SB-FB01-021418 0....	3.48e4	104.7	NO

**Name: 180307M1\_40, Date: 07-Mar-2018, Time: 23:28:10, ID: 1800346-02 WI-AF-SB-FB01-021318 0.11317, Description: WI-AF-SB-FB01-021318**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800346-02 WI-AF-SB-FB01-021318 0....	2.29e4	164.1	YES
2	2 13C5-PFHxA	1800346-02 WI-AF-SB-FB01-021318 0....	3.39e4	110.9	NO
3	3 13C3-PFHxS	1800346-02 WI-AF-SB-FB01-021318 0....	7.90e3	122.7	NO
4	4 13C8-PFOA	1800346-02 WI-AF-SB-FB01-021318 0....	3.36e4	111.9	NO
5	5 13C9-PFNA	1800346-02 WI-AF-SB-FB01-021318 0....	3.12e4	110.5	NO
6	6 13C4-PFOS	1800346-02 WI-AF-SB-FB01-021318 0....	7.86e3	114.5	NO
7	7 13C6-PFDA	1800346-02 WI-AF-SB-FB01-021318 0....	3.74e4	111.0	NO
8	8 13C7-PFUdA	1800346-02 WI-AF-SB-FB01-021318 0....	4.04e4	121.7	NO

**Name: 180307M1\_41, Date: 07-Mar-2018, Time: 23:39:39, ID: B8B0157-BS1 OPR 0.25, Description: OPR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0157-BS1 OPR 0.25	2.11e4	151.3	YES
2	2 13C5-PFHxA	B8B0157-BS1 OPR 0.25	2.93e4	95.7	NO
3	3 13C3-PFHxS	B8B0157-BS1 OPR 0.25	6.28e3	97.5	NO
4	4 13C8-PFOA	B8B0157-BS1 OPR 0.25	2.70e4	90.1	NO
5	5 13C9-PFNA	B8B0157-BS1 OPR 0.25	3.13e4	110.9	NO
6	6 13C4-PFOS	B8B0157-BS1 OPR 0.25	7.24e3	105.5	NO
7	7 13C6-PFDA	B8B0157-BS1 OPR 0.25	2.75e4	81.7	NO
8	8 13C7-PFUdA	B8B0157-BS1 OPR 0.25	3.44e4	103.6	NO

**Name: 180307M1\_42, Date: 07-Mar-2018, Time: 23:51:06, ID: B8B0157-BSD1 LCSD 0.25, Description: LCSD**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0157-BSD1 LCSD 0.25	1.98e4	141.4	NO
2	2 13C5-PFHxA	B8B0157-BSD1 LCSD 0.25	3.00e4	98.1	NO
3	3 13C3-PFHxS	B8B0157-BSD1 LCSD 0.25	5.84e3	90.7	NO
4	4 13C8-PFOA	B8B0157-BSD1 LCSD 0.25	3.04e4	101.3	NO
5	5 13C9-PFNA	B8B0157-BSD1 LCSD 0.25	2.96e4	104.7	NO
6	6 13C4-PFOS	B8B0157-BSD1 LCSD 0.25	6.56e3	95.6	NO
7	7 13C6-PFDA	B8B0157-BSD1 LCSD 0.25	2.84e4	84.4	NO
8	8 13C7-PFUdA	B8B0157-BSD1 LCSD 0.25	2.86e4	86.3	NO

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**Name: 180307M1\_43, Date: 08-Mar-2018, Time: 00:02:34, ID: B8B0157-BLK1 Method Blank 0.25, Description: Method Blank**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0157-BLK1 Method Blank 0.25	1.96e4	140.2	NO
2	2 13C5-PFHxA	B8B0157-BLK1 Method Blank 0.25	2.93e4	95.7	NO
3	3 13C3-PFHxS	B8B0157-BLK1 Method Blank 0.25	6.12e3	95.0	NO
4	4 13C8-PFOA	B8B0157-BLK1 Method Blank 0.25	2.87e4	95.6	NO
5	5 13C9-PFNA	B8B0157-BLK1 Method Blank 0.25	3.24e4	114.8	NO
6	6 13C4-PFOS	B8B0157-BLK1 Method Blank 0.25	7.37e3	107.3	NO
7	7 13C6-PFDA	B8B0157-BLK1 Method Blank 0.25	3.10e4	92.1	NO
8	8 13C7-PFUdA	B8B0157-BLK1 Method Blank 0.25	3.15e4	95.0	NO

**Name: 180307M1\_44, Date: 08-Mar-2018, Time: 00:14:04, ID: 1800331-01 906A 0.12044, Description: 906A**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800331-01 906A 0.12044	1.69e4	120.8	NO
2	2 13C5-PFHxA	1800331-01 906A 0.12044	2.58e4	84.4	NO
3	3 13C3-PFHxS	1800331-01 906A 0.12044	5.80e3	90.0	NO
4	4 13C8-PFOA	1800331-01 906A 0.12044	2.33e4	77.4	NO
5	5 13C9-PFNA	1800331-01 906A 0.12044	2.43e4	86.1	NO
6	6 13C4-PFOS	1800331-01 906A 0.12044	5.53e3	80.6	NO
7	7 13C6-PFDA	1800331-01 906A 0.12044	2.70e4	80.2	NO
8	8 13C7-PFUdA	1800331-01 906A 0.12044	2.74e4	82.5	NO

**Name: 180307M1\_45, Date: 08-Mar-2018, Time: 00:25:31, ID: 1800331-02 906b 0.11572, Description: 906b**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800331-02 906b 0.11572	1.61e4	115.0	NO
2	2 13C5-PFHxA	1800331-02 906b 0.11572	2.30e4	75.0	NO
3	3 13C3-PFHxS	1800331-02 906b 0.11572	7.47e3	115.9	NO
4	4 13C8-PFOA	1800331-02 906b 0.11572	2.20e4	73.3	NO
5	5 13C9-PFNA	1800331-02 906b 0.11572	2.56e4	90.8	NO
6	6 13C4-PFOS	1800331-02 906b 0.11572	8.37e3	121.9	NO
7	7 13C6-PFDA	1800331-02 906b 0.11572	2.80e4	82.9	NO
8	8 13C7-PFUdA	1800331-02 906b 0.11572	3.37e4	101.6	NO

**Name: 180307M1\_46, Date: 08-Mar-2018, Time: 00:37:01, ID: 1800331-03 908 0.11722, Description: 908**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800331-03 908 0.11722	1.74e4	124.8	NO
2	2 13C5-PFHxA	1800331-03 908 0.11722	2.46e4	80.4	NO
3	3 13C3-PFHxS	1800331-03 908 0.11722	6.20e3	96.2	NO
4	4 13C8-PFOA	1800331-03 908 0.11722	2.51e4	83.5	NO
5	5 13C9-PFNA	1800331-03 908 0.11722	2.71e4	95.8	NO
6	6 13C4-PFOS	1800331-03 908 0.11722	5.51e3	80.2	NO
7	7 13C6-PFDA	1800331-03 908 0.11722	2.48e4	73.7	NO
8	8 13C7-PFUdA	1800331-03 908 0.11722	2.17e4	65.5	NO

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**Name: 180307M1\_47, Date: 08-Mar-2018, Time: 00:48:30, ID: 1800331-04 911 0.11887, Description: 911**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800331-04 911 0.11887	1.67e4	119.4	NO
2	2 13C5-PFHxA	1800331-04 911 0.11887	2.27e4	74.2	NO
3	3 13C3-PFHxS	1800331-04 911 0.11887	6.05e3	93.8	NO
4	4 13C8-PFOA	1800331-04 911 0.11887	2.01e4	67.0	NO
5	5 13C9-PFNA	1800331-04 911 0.11887	2.49e4	88.0	NO
6	6 13C4-PFOS	1800331-04 911 0.11887	5.73e3	83.6	NO
7	7 13C6-PFDA	1800331-04 911 0.11887	2.09e4	62.1	NO
8	8 13C7-PFUdA	1800331-04 911 0.11887	2.28e4	68.7	NO

**Name: 180307M1\_48, Date: 08-Mar-2018, Time: 00:59:59, ID: 1800331-05 731 0.11762, Description: 731**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800331-05 731 0.11762	2.14e4	153.5	YES
2	2 13C5-PFHxA	1800331-05 731 0.11762	3.11e4	101.6	NO
3	3 13C3-PFHxS	1800331-05 731 0.11762	7.72e3	119.8	NO
4	4 13C8-PFOA	1800331-05 731 0.11762	2.96e4	98.5	NO
5	5 13C9-PFNA	1800331-05 731 0.11762	3.37e4	119.3	NO
6	6 13C4-PFOS	1800331-05 731 0.11762	7.68e3	112.0	NO
7	7 13C6-PFDA	1800331-05 731 0.11762	3.32e4	98.6	NO
8	8 13C7-PFUdA	1800331-05 731 0.11762	3.74e4	112.6	NO

**Name: 180307M1\_49, Date: 08-Mar-2018, Time: 01:11:29, ID: 1800344-01 GW4751180215RAP 0.25614, Description: GW4751180215RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800344-01 GW4751180215RAP 0.256...	1.95e4	139.7	NO
2	2 13C5-PFHxA	1800344-01 GW4751180215RAP 0.256...	2.85e4	93.1	NO
3	3 13C3-PFHxS	1800344-01 GW4751180215RAP 0.256...	6.40e3	99.3	NO
4	4 13C8-PFOA	1800344-01 GW4751180215RAP 0.256...	2.62e4	87.4	NO
5	5 13C9-PFNA	1800344-01 GW4751180215RAP 0.256...	2.86e4	101.1	NO
6	6 13C4-PFOS	1800344-01 GW4751180215RAP 0.256...	6.02e3	87.7	NO
7	7 13C6-PFDA	1800344-01 GW4751180215RAP 0.256...	3.01e4	89.3	NO
8	8 13C7-PFUdA	1800344-01 GW4751180215RAP 0.256...	3.06e4	92.3	NO

**Name: 180307M1\_50, Date: 08-Mar-2018, Time: 01:22:58, ID: 1800344-02 GW5357180215RAP 0.26043, Description: GW5357180215RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800344-02 GW5357180215RAP 0.260...	1.91e4	136.5	NO
2	2 13C5-PFHxA	1800344-02 GW5357180215RAP 0.260...	2.79e4	91.2	NO
3	3 13C3-PFHxS	1800344-02 GW5357180215RAP 0.260...	6.38e3	99.0	NO
4	4 13C8-PFOA	1800344-02 GW5357180215RAP 0.260...	2.65e4	88.2	NO
5	5 13C9-PFNA	1800344-02 GW5357180215RAP 0.260...	2.96e4	104.7	NO
6	6 13C4-PFOS	1800344-02 GW5357180215RAP 0.260...	6.11e3	89.0	NO
7	7 13C6-PFDA	1800344-02 GW5357180215RAP 0.260...	2.96e4	87.9	NO
8	8 13C7-PFUdA	1800344-02 GW5357180215RAP 0.260...	2.91e4	87.5	NO

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**Name: 180307M1\_51, Date: 08-Mar-2018, Time: 01:34:28, ID: 1800344-03 GW1620180216RAP 0.26555, Description: GW1620180216RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800344-03 GW1620180216RAP 0.265...	1.91e4	136.6	NO
2	2 13C5-PFHxA	1800344-03 GW1620180216RAP 0.265...	2.70e4	88.1	NO
3	3 13C3-PFHxS	1800344-03 GW1620180216RAP 0.265...	6.37e3	98.9	NO
4	4 13C8-PFOA	1800344-03 GW1620180216RAP 0.265...	2.77e4	92.4	NO
5	5 13C9-PFNA	1800344-03 GW1620180216RAP 0.265...	2.69e4	95.2	NO
6	6 13C4-PFOS	1800344-03 GW1620180216RAP 0.265...	6.61e3	96.3	NO
7	7 13C6-PFDA	1800344-03 GW1620180216RAP 0.265...	2.58e4	76.6	NO
8	8 13C7-PFUDa	1800344-03 GW1620180216RAP 0.265...	2.69e4	80.9	NO

**Name: 180307M1\_52, Date: 08-Mar-2018, Time: 01:45:58, ID: 1800344-04 GW2630180216RAP 0.26027, Description: GW2630180216RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800344-04 GW2630180216RAP 0.260...	2.02e4	144.5	NO
2	2 13C5-PFHxA	1800344-04 GW2630180216RAP 0.260...	2.67e4	87.2	NO
3	3 13C3-PFHxS	1800344-04 GW2630180216RAP 0.260...	5.99e3	93.0	NO
4	4 13C8-PFOA	1800344-04 GW2630180216RAP 0.260...	2.69e4	89.7	NO
5	5 13C9-PFNA	1800344-04 GW2630180216RAP 0.260...	2.72e4	96.3	NO
6	6 13C4-PFOS	1800344-04 GW2630180216RAP 0.260...	7.06e3	102.8	NO
7	7 13C6-PFDA	1800344-04 GW2630180216RAP 0.260...	2.93e4	87.1	NO
8	8 13C7-PFUDa	1800344-04 GW2630180216RAP 0.260...	2.63e4	79.2	NO

**Name: 180307M1\_53, Date: 08-Mar-2018, Time: 01:57:28, ID: 1800344-05 GW3640180216RAP 0.26103, Description: GW3640180216RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800344-05 GW3640180216RAP 0.261...	1.85e4	132.1	NO
2	2 13C5-PFHxA	1800344-05 GW3640180216RAP 0.261...	2.50e4	81.8	NO
3	3 13C3-PFHxS	1800344-05 GW3640180216RAP 0.261...	6.30e3	97.8	NO
4	4 13C8-PFOA	1800344-05 GW3640180216RAP 0.261...	2.78e4	92.5	NO
5	5 13C9-PFNA	1800344-05 GW3640180216RAP 0.261...	2.80e4	99.2	NO
6	6 13C4-PFOS	1800344-05 GW3640180216RAP 0.261...	5.91e3	86.2	NO
7	7 13C6-PFDA	1800344-05 GW3640180216RAP 0.261...	2.83e4	83.8	NO
8	8 13C7-PFUDa	1800344-05 GW3640180216RAP 0.261...	2.84e4	85.5	NO

**Name: 180307M1\_54, Date: 08-Mar-2018, Time: 02:08:54, ID: 1800353-01 WI-AF-N2-5-0218 0.11121, Description: WI-AF-N2-5-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-01 WI-AF-N2-5-0218 0.11121	2.45e4	175.3	YES
2	2 13C5-PFHxA	1800353-01 WI-AF-N2-5-0218 0.11121	3.51e4	114.7	NO
3	3 13C3-PFHxS	1800353-01 WI-AF-N2-5-0218 0.11121	6.76e3	104.9	NO
4	4 13C8-PFOA	1800353-01 WI-AF-N2-5-0218 0.11121	3.35e4	111.4	NO
5	5 13C9-PFNA	1800353-01 WI-AF-N2-5-0218 0.11121	3.79e4	134.1	NO
6	6 13C4-PFOS	1800353-01 WI-AF-N2-5-0218 0.11121	4.79e3	69.7	NO
7	7 13C6-PFDA	1800353-01 WI-AF-N2-5-0218 0.11121	3.60e4	106.9	NO
8	8 13C7-PFUDa	1800353-01 WI-AF-N2-5-0218 0.11121	3.62e4	109.0	NO



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**Name: 180307M1\_55, Date: 08-Mar-2018, Time: 02:20:25, ID: 1800353-02 WI-AF-FB01-022018 0.11958, Description: WI-AF-FB01-022018**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-02 WI-AF-FB01-022018 0.119...	2.00e4	143.4	NO
2	2 13C5-PFHxA	1800353-02 WI-AF-FB01-022018 0.119...	3.16e4	103.3	NO
3	3 13C3-PFHxS	1800353-02 WI-AF-FB01-022018 0.119...	6.02e3	93.4	NO
4	4 13C8-PFOA	1800353-02 WI-AF-FB01-022018 0.119...	2.86e4	95.3	NO
5	5 13C9-PFNA	1800353-02 WI-AF-FB01-022018 0.119...	3.16e4	111.9	NO
6	6 13C4-PFOS	1800353-02 WI-AF-FB01-022018 0.119...	6.29e3	91.6	NO
7	7 13C6-PFDA	1800353-02 WI-AF-FB01-022018 0.119...	3.12e4	92.4	NO
8	8 13C7-PFUDa	1800353-02 WI-AF-FB01-022018 0.119...	3.35e4	100.9	NO

**Name: 180307M1\_56, Date: 08-Mar-2018, Time: 02:31:52, ID: 1800353-03 WI-AF-MW-3-0218 0.11741, Description: WI-AF-MW-3-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-03 WI-AF-MW-3-0218 0.11741	2.12e4	151.9	YES
2	2 13C5-PFHxA	1800353-03 WI-AF-MW-3-0218 0.11741	3.06e4	100.1	NO
3	3 13C3-PFHxS	1800353-03 WI-AF-MW-3-0218 0.11741	6.56e3	101.8	NO
4	4 13C8-PFOA	1800353-03 WI-AF-MW-3-0218 0.11741	3.05e4	101.6	NO
5	5 13C9-PFNA	1800353-03 WI-AF-MW-3-0218 0.11741	3.04e4	107.5	NO
6	6 13C4-PFOS	1800353-03 WI-AF-MW-3-0218 0.11741	5.64e3	82.2	NO
7	7 13C6-PFDA	1800353-03 WI-AF-MW-3-0218 0.11741	3.02e4	89.5	NO
8	8 13C7-PFUDa	1800353-03 WI-AF-MW-3-0218 0.11741	3.89e4	117.0	NO

**Name: 180307M1\_57, Date: 08-Mar-2018, Time: 02:43:21, ID: 1800353-04 WI-AF-MW-202-0218 0.11256, Description: WI-AF-MW-202-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-04 WI-AF-MW-202-0218 0.11...	1.83e4	131.0	NO
2	2 13C5-PFHxA	1800353-04 WI-AF-MW-202-0218 0.11...	2.48e4	80.9	NO
3	3 13C3-PFHxS	1800353-04 WI-AF-MW-202-0218 0.11...	5.27e3	81.8	NO
4	4 13C8-PFOA	1800353-04 WI-AF-MW-202-0218 0.11...	2.60e4	86.5	NO
5	5 13C9-PFNA	1800353-04 WI-AF-MW-202-0218 0.11...	2.43e4	85.9	NO
6	6 13C4-PFOS	1800353-04 WI-AF-MW-202-0218 0.11...	3.91e3	57.0	NO
7	7 13C6-PFDA	1800353-04 WI-AF-MW-202-0218 0.11...	2.70e4	80.1	NO
8	8 13C7-PFUDa	1800353-04 WI-AF-MW-202-0218 0.11...	2.65e4	79.8	NO

**Name: 180307M1\_58, Date: 08-Mar-2018, Time: 02:54:51, ID: 1800353-05 WI-AF-MW-204-0218 0.11807, Description: WI-AF-MW-204-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-05 WI-AF-MW-204-0218 0.11...	2.00e4	143.3	NO
2	2 13C5-PFHxA	1800353-05 WI-AF-MW-204-0218 0.11...	2.86e4	93.4	NO
3	3 13C3-PFHxS	1800353-05 WI-AF-MW-204-0218 0.11...	5.28e3	82.0	NO
4	4 13C8-PFOA	1800353-05 WI-AF-MW-204-0218 0.11...	2.68e4	89.2	NO
5	5 13C9-PFNA	1800353-05 WI-AF-MW-204-0218 0.11...	2.72e4	96.3	NO
6	6 13C4-PFOS	1800353-05 WI-AF-MW-204-0218 0.11...	3.55e3	51.7	NO
7	7 13C6-PFDA	1800353-05 WI-AF-MW-204-0218 0.11...	2.82e4	83.6	NO
8	8 13C7-PFUDa	1800353-05 WI-AF-MW-204-0218 0.11...	2.95e4	88.8	NO

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**Name: 180307M1\_59, Date: 08-Mar-2018, Time: 03:06:21, 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

**Name: 180307M1\_60, Date: 08-Mar-2018, Time: 03:17:50, ID: ST180307M1-12 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-12 PFC CS3 18B2317	1.62e4	116.0	NO
2	2 13C5-PFHxA	ST180307M1-12 PFC CS3 18B2317	3.40e4	110.9	NO
3	3 13C3-PFHxS	ST180307M1-12 PFC CS3 18B2317	6.08e3	94.4	NO
4	4 13C8-PFOA	ST180307M1-12 PFC CS3 18B2317	3.49e4	116.3	NO
5	5 13C9-PFNA	ST180307M1-12 PFC CS3 18B2317	3.78e4	133.9	NO
6	6 13C4-PFOS	ST180307M1-12 PFC CS3 18B2317	7.93e3	115.6	NO
7	7 13C6-PFDA	ST180307M1-12 PFC CS3 18B2317	3.18e4	94.4	NO
8	8 13C7-PFUDa	ST180307M1-12 PFC CS3 18B2317	3.30e4	99.5	NO

**Name: 180307M1\_61, Date: 08-Mar-2018, Time: 03:29:19, ID: IPA, Description: IPA**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	6.36e0	0.0	YES
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: 180307M1\_62, Date: 08-Mar-2018, Time: 03:40:49, ID: 1800353-06 WI-AF-MW-114-0218 0.11872, Description: WI-AF-MW-114-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-06 WI-AF-MW-114-0218 0.118...	1.98e4	141.8	NO
2	2 13C5-PFHxA	1800353-06 WI-AF-MW-114-0218 0.118...	2.94e4	96.1	NO
3	3 13C3-PFHxS	1800353-06 WI-AF-MW-114-0218 0.118...	6.04e3	93.7	NO
4	4 13C8-PFOA	1800353-06 WI-AF-MW-114-0218 0.118...	2.51e4	83.7	NO
5	5 13C9-PFNA	1800353-06 WI-AF-MW-114-0218 0.118...	3.11e4	110.0	NO
6	6 13C4-PFOS	1800353-06 WI-AF-MW-114-0218 0.118...	3.63e3	52.9	NO
7	7 13C6-PFDA	1800353-06 WI-AF-MW-114-0218 0.118...	3.14e4	93.3	NO
8	8 13C7-PFUDa	1800353-06 WI-AF-MW-114-0218 0.118...	3.32e4	99.9	NO

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**Name: 180307M1\_63, Date: 08-Mar-2018, Time: 03:52:16, ID: 1800353-07 WI-AF-EB03-022018 0.12247, Description: WI-AF-EB03-022018**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800353-07 WI-AF-EB03-022018 0.122...	2.04e4	146.0	NO
2	2 13C5-PFHxA	1800353-07 WI-AF-EB03-022018 0.122...	2.96e4	96.8	NO
3	3 13C3-PFHxS	1800353-07 WI-AF-EB03-022018 0.122...	6.39e3	99.1	NO
4	4 13C8-PFOA	1800353-07 WI-AF-EB03-022018 0.122...	2.64e4	88.0	NO
5	5 13C9-PFNA	1800353-07 WI-AF-EB03-022018 0.122...	3.04e4	107.7	NO
6	6 13C4-PFOS	1800353-07 WI-AF-EB03-022018 0.122...	7.59e3	110.6	NO
7	7 13C6-PFDA	1800353-07 WI-AF-EB03-022018 0.122...	2.92e4	86.8	NO
8	8 13C7-PFUDa	1800353-07 WI-AF-EB03-022018 0.122...	3.24e4	97.6	NO

**Name: 180307M1\_64, Date: 08-Mar-2018, Time: 04:03:45, 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: 180307M1\_65, Date: 08-Mar-2018, Time: 04:15:12, ID: ST180307M1-13 PFC CS3 18B2317, Description: PFC CS3 18B2317**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-13 PFC CS3 18B2317	1.57e4	112.4	NO
2	2 13C5-PFHxA	ST180307M1-13 PFC CS3 18B2317	3.56e4	116.4	NO
3	3 13C3-PFHxS	ST180307M1-13 PFC CS3 18B2317	7.51e3	116.5	NO
4	4 13C8-PFOA	ST180307M1-13 PFC CS3 18B2317	3.53e4	117.7	NO
5	5 13C9-PFNA	ST180307M1-13 PFC CS3 18B2317	3.92e4	138.8	NO
6	6 13C4-PFOS	ST180307M1-13 PFC CS3 18B2317	7.30e3	106.4	NO
7	7 13C6-PFDA	ST180307M1-13 PFC CS3 18B2317	3.31e4	98.3	NO
8	8 13C7-PFUDa	ST180307M1-13 PFC CS3 18B2317	3.60e4	108.4	NO

**Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180307M1-14 PFC CS0 18C0604	1.60e4	114.7	NO
2	2 13C5-PFHxA	ST180307M1-14 PFC CS0 18C0604	3.44e4	112.4	NO
3	3 13C3-PFHxS	ST180307M1-14 PFC CS0 18C0604	7.36e3	114.2	NO
4	4 13C8-PFOA	ST180307M1-14 PFC CS0 18C0604	3.28e4	109.3	NO
5	5 13C9-PFNA	ST180307M1-14 PFC CS0 18C0604	3.37e4	119.4	NO
6	6 13C4-PFOS	ST180307M1-14 PFC CS0 18C0604	8.20e3	119.5	NO
7	7 13C6-PFDA	ST180307M1-14 PFC CS0 18C0604	3.57e4	106.1	NO
8	8 13C7-PFUDa	ST180307M1-14 PFC CS0 18C0604	3.67e4	110.5	NO

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**Name: 180307M1\_67, Date: 08-Mar-2018, Time: 04:38:08, 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

**Name: 180307M1\_68, Date: 08-Mar-2018, Time: 04:49:38, ID: B8B0151-BS1 OPR 1, Description: OPR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0151-BS1 OPR 1	1.61e4	115.3	NO
2	2 13C5-PFHxA	B8B0151-BS1 OPR 1	2.49e4	81.4	NO
3	3 13C3-PFHxS	B8B0151-BS1 OPR 1	6.05e3	93.9	NO
4	4 13C8-PFOA	B8B0151-BS1 OPR 1	2.32e4	77.4	NO
5	5 13C9-PFNA	B8B0151-BS1 OPR 1	2.43e4	86.2	NO
6	6 13C4-PFOS	B8B0151-BS1 OPR 1	6.11e3	89.0	NO
7	7 13C6-PFDA	B8B0151-BS1 OPR 1	2.24e4	66.6	NO
8	8 13C7-PFUdA	B8B0151-BS1 OPR 1	2.96e4	89.2	NO

**Name: 180307M1\_69, Date: 08-Mar-2018, Time: 05:01:04, ID: B8B0151-BLK1 Method Blank 1, Description: Method Blank**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0151-BLK1 Method Blank 1	1.28e4	91.5	NO
2	2 13C5-PFHxA	B8B0151-BLK1 Method Blank 1	2.02e4	66.0	NO
3	3 13C3-PFHxS	B8B0151-BLK1 Method Blank 1	4.65e3	72.2	NO
4	4 13C8-PFOA	B8B0151-BLK1 Method Blank 1	1.87e4	62.4	NO
5	5 13C9-PFNA	B8B0151-BLK1 Method Blank 1	2.09e4	73.8	NO
6	6 13C4-PFOS	B8B0151-BLK1 Method Blank 1	5.44e3	79.3	NO
7	7 13C6-PFDA	B8B0151-BLK1 Method Blank 1	1.98e4	58.7	NO
8	8 13C7-PFUdA	B8B0151-BLK1 Method Blank 1	2.20e4	66.2	NO

**Name: 180307M1\_70, Date: 08-Mar-2018, Time: 05:12:34, ID: B8B0151-MS1 Matrix Spike 1.1, Description: Matrix Spike**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0151-MS1 Matrix Spike 1.1	1.45e4	104.1	NO
2	2 13C5-PFHxA	B8B0151-MS1 Matrix Spike 1.1	2.04e4	66.7	NO
3	3 13C3-PFHxS	B8B0151-MS1 Matrix Spike 1.1	5.32e3	82.5	NO
4	4 13C8-PFOA	B8B0151-MS1 Matrix Spike 1.1	1.97e4	65.6	NO
5	5 13C9-PFNA	B8B0151-MS1 Matrix Spike 1.1	2.05e4	72.7	NO
6	6 13C4-PFOS	B8B0151-MS1 Matrix Spike 1.1	5.86e3	85.4	NO
7	7 13C6-PFDA	B8B0151-MS1 Matrix Spike 1.1	2.03e4	60.1	NO
8	8 13C7-PFUdA	B8B0151-MS1 Matrix Spike 1.1	2.52e4	75.9	NO

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Name: 180307M1\_71, Date: 08-Mar-2018, Time: 05:24:03, ID: B8B0151-MSD1 Matrix Spike Dup 1.09, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0151-MSD1 Matrix Spike Dup 1.09	1.30e4	93.1	NO
2	2 13C5-PFHxA	B8B0151-MSD1 Matrix Spike Dup 1.09	1.98e4	64.5	NO
3	3 13C3-PFHxS	B8B0151-MSD1 Matrix Spike Dup 1.09	5.01e3	77.8	NO
4	4 13C8-PFOA	B8B0151-MSD1 Matrix Spike Dup 1.09	1.93e4	64.4	NO
5	5 13C9-PFNA	B8B0151-MSD1 Matrix Spike Dup 1.09	2.39e4	84.5	NO
6	6 13C4-PFOS	B8B0151-MSD1 Matrix Spike Dup 1.09	5.26e3	76.6	NO
7	7 13C6-PFDA	B8B0151-MSD1 Matrix Spike Dup 1.09	1.87e4	55.4	NO
8	8 13C7-PFUDa	B8B0151-MSD1 Matrix Spike Dup 1.09	2.20e4	66.2	NO

Name: 180307M1\_72, Date: 08-Mar-2018, Time: 05:35:33, ID: 1800346-03 WI-AF-SB615-6768-0218 1.08, Description: WI-AF-SB615-6768-0218

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800346-03 WI-AF-SB615-6768-0218 1...	1.66e4	118.9	NO
2	2 13C5-PFHxA	1800346-03 WI-AF-SB615-6768-0218 1...	2.48e4	81.1	NO
3	3 13C3-PFHxS	1800346-03 WI-AF-SB615-6768-0218 1...	5.79e3	89.9	NO
4	4 13C8-PFOA	1800346-03 WI-AF-SB615-6768-0218 1...	2.43e4	81.0	NO
5	5 13C9-PFNA	1800346-03 WI-AF-SB615-6768-0218 1...	2.34e4	83.0	NO
6	6 13C4-PFOS	1800346-03 WI-AF-SB615-6768-0218 1...	5.61e3	81.7	NO
7	7 13C6-PFDA	1800346-03 WI-AF-SB615-6768-0218 1...	2.15e4	63.9	NO
8	8 13C7-PFUDa	1800346-03 WI-AF-SB615-6768-0218 1...	2.53e4	76.1	NO

Name: 180307M1\_73, Date: 08-Mar-2018, Time: 05:47:00, ID: 1800346-04 WI-AF-SB615-0001-0218 1.33, Description: WI-AF-SB615-0001-0218

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800346-04 WI-AF-SB615-0001-0218 1...	1.72e4	123.3	NO
2	2 13C5-PFHxA	1800346-04 WI-AF-SB615-0001-0218 1...	2.77e4	90.4	NO
3	3 13C3-PFHxS	1800346-04 WI-AF-SB615-0001-0218 1...	6.25e3	97.1	NO
4	4 13C8-PFOA	1800346-04 WI-AF-SB615-0001-0218 1...	2.60e4	86.5	NO
5	5 13C9-PFNA	1800346-04 WI-AF-SB615-0001-0218 1...	2.58e4	91.4	NO
6	6 13C4-PFOS	1800346-04 WI-AF-SB615-0001-0218 1...	6.56e3	95.6	NO
7	7 13C6-PFDA	1800346-04 WI-AF-SB615-0001-0218 1...	2.74e4	81.3	NO
8	8 13C7-PFUDa	1800346-04 WI-AF-SB615-0001-0218 1...	2.61e4	78.5	NO

Name: 180307M1\_74, Date: 08-Mar-2018, Time: 05:58:31, ID: 1800346-05 WI-AF-SB615-0506-0218 1.2, Description: WI-AF-SB615-0506-0218

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800346-05 WI-AF-SB615-0506-0218 1.2	1.38e4	98.7	NO
2	2 13C5-PFHxA	1800346-05 WI-AF-SB615-0506-0218 1.2	2.06e4	67.1	NO
3	3 13C3-PFHxS	1800346-05 WI-AF-SB615-0506-0218 1.2	5.35e3	83.0	NO
4	4 13C8-PFOA	1800346-05 WI-AF-SB615-0506-0218 1.2	2.06e4	68.6	NO
5	5 13C9-PFNA	1800346-05 WI-AF-SB615-0506-0218 1.2	2.41e4	85.3	NO
6	6 13C4-PFOS	1800346-05 WI-AF-SB615-0506-0218 1.2	5.28e3	77.0	NO
7	7 13C6-PFDA	1800346-05 WI-AF-SB615-0506-0218 1.2	2.33e4	69.1	NO
8	8 13C7-PFUDa	1800346-05 WI-AF-SB615-0506-0218 1.2	2.29e4	69.0	NO

Dataset: Untitled

Last Altered: Thursday, March 08, 2018 14:25:57 Pacific Standard Time  
Printed: Thursday, March 08, 2018 14:49:35 Pacific Standard Time

**Name: 180307M1\_75, Date: 08-Mar-2018, Time: 06:09:57, ID: 1800356-03 WI-AF-SB611-0H01-0218 1.06,**  
**Description: WI-AF-SB611-0H01-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-03 WI-AF-SB611-0H01-0218 ...	1.37e4	97.9	NO
2	2 13C5-PFHxA	1800356-03 WI-AF-SB611-0H01-0218 ...	2.12e4	69.3	NO
3	3 13C3-PFHxS	1800356-03 WI-AF-SB611-0H01-0218 ...	4.99e3	77.4	NO
4	4 13C8-PFOA	1800356-03 WI-AF-SB611-0H01-0218 ...	1.92e4	63.9	NO
5	5 13C9-PFNA	1800356-03 WI-AF-SB611-0H01-0218 ...	2.13e4	75.2	NO
6	6 13C4-PFOS	1800356-03 WI-AF-SB611-0H01-0218 ...	4.64e3	67.7	NO
7	7 13C6-PFDA	1800356-03 WI-AF-SB611-0H01-0218 ...	2.10e4	62.2	NO
8	8 13C7-PFUDa	1800356-03 WI-AF-SB611-0H01-0218 ...	2.22e4	67.0	NO

**Name: 180307M1\_76, Date: 08-Mar-2018, Time: 06:21:27, ID: 1800356-04 WI-AF-SB611-0103-0218 1.07,**  
**Description: WI-AF-SB611-0103-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-04 WI-AF-SB611-0103-0218 1...	1.46e4	104.4	NO
2	2 13C5-PFHxA	1800356-04 WI-AF-SB611-0103-0218 1...	2.30e4	75.0	NO
3	3 13C3-PFHxS	1800356-04 WI-AF-SB611-0103-0218 1...	5.02e3	77.9	NO
4	4 13C8-PFOA	1800356-04 WI-AF-SB611-0103-0218 1...	2.19e4	72.8	NO
5	5 13C9-PFNA	1800356-04 WI-AF-SB611-0103-0218 1...	2.29e4	81.0	NO
6	6 13C4-PFOS	1800356-04 WI-AF-SB611-0103-0218 1...	5.50e3	80.2	NO
7	7 13C6-PFDA	1800356-04 WI-AF-SB611-0103-0218 1...	2.27e4	67.3	NO
8	8 13C7-PFUDa	1800356-04 WI-AF-SB611-0103-0218 1...	2.83e4	85.4	NO

**Name: 180307M1\_77, Date: 08-Mar-2018, Time: 06:32:56, ID: 1800356-05 WI-AF-SB611P-0103-0218 1.16,**  
**Description: WI-AF-SB611P-0103-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-05 WI-AF-SB611P-0103-0218 ...	1.42e4	102.0	NO
2	2 13C5-PFHxA	1800356-05 WI-AF-SB611P-0103-0218 ...	2.25e4	73.5	NO
3	3 13C3-PFHxS	1800356-05 WI-AF-SB611P-0103-0218 ...	5.08e3	78.9	NO
4	4 13C8-PFOA	1800356-05 WI-AF-SB611P-0103-0218 ...	2.32e4	77.1	NO
5	5 13C9-PFNA	1800356-05 WI-AF-SB611P-0103-0218 ...	2.28e4	80.8	NO
6	6 13C4-PFOS	1800356-05 WI-AF-SB611P-0103-0218 ...	5.23e3	76.2	NO
7	7 13C6-PFDA	1800356-05 WI-AF-SB611P-0103-0218 ...	1.75e4	51.8	NO
8	8 13C7-PFUDa	1800356-05 WI-AF-SB611P-0103-0218 ...	2.45e4	73.8	NO

**Name: 180307M1\_78, Date: 08-Mar-2018, Time: 06:44:27, ID: 1800356-06 WI-AF-SB611-1213-0218 1.1,**  
**Description: WI-AF-SB611-1213-0218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-06 WI-AF-SB611-1213-0218 1.1	1.61e4	115.4	NO
2	2 13C5-PFHxA	1800356-06 WI-AF-SB611-1213-0218 1.1	2.52e4	82.3	NO
3	3 13C3-PFHxS	1800356-06 WI-AF-SB611-1213-0218 1.1	5.72e3	88.8	NO
4	4 13C8-PFOA	1800356-06 WI-AF-SB611-1213-0218 1.1	2.48e4	82.7	NO
5	5 13C9-PFNA	1800356-06 WI-AF-SB611-1213-0218 1.1	2.45e4	86.6	NO
6	6 13C4-PFOS	1800356-06 WI-AF-SB611-1213-0218 1.1	6.39e3	93.0	NO
7	7 13C6-PFDA	1800356-06 WI-AF-SB611-1213-0218 1.1	2.42e4	71.9	NO
8	8 13C7-PFUDa	1800356-06 WI-AF-SB611-1213-0218 1.1	2.62e4	79.0	NO

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Name: 180307M1\_79, Date: 08-Mar-2018, Time: 06:55:57, 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: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180307M1-15 PFC CS3 18B2317	1.61e4	115.0	NO
2	2	13C5-PFHxA	ST180307M1-15 PFC CS3 18B2317	3.87e4	126.5	NO
3	3	13C3-PFHxS	ST180307M1-15 PFC CS3 18B2317	7.25e3	112.5	NO
4	4	13C8-PFOA	ST180307M1-15 PFC CS3 18B2317	2.97e4	98.8	NO
5	5	13C9-PFNA	ST180307M1-15 PFC CS3 18B2317	3.66e4	129.5	NO
6	6	13C4-PFOS	ST180307M1-15 PFC CS3 18B2317	8.11e3	118.2	NO
7	7	13C6-PFDA	ST180307M1-15 PFC CS3 18B2317	3.42e4	101.5	NO
8	8	13C7-PFUdA	ST180307M1-15 PFC CS3 18B2317	3.65e4	110.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

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*(A) Above limit criteria.*

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	8.56e2	1.13e4		1.73	1.45	0.942	0.957	95.7		NO
2	2 PFPeA	263.1 > 218.9	2.05e3	2.97e4		2.70	2.41	0.863	1.00	100.2		NO
3	3 PFBS	299.0 > 79.7	4.26e2	3.05e3		2.98	2.68	1.74	1.08	108.1		NO
4	4 4:2 FTS	327.2>307.2	4.88e2	3.05e3		3.38	3.09	2.00	1.06	106.3		NO
5	5 PFHxA	313.2 > 268.9	2.52e3	9.78e3		3.48	3.18	1.29	1.02	101.6		NO
6	6 PFPeS	349.1>80.1	4.55e2	3.05e3		3.67	3.38	1.86	1.27	127.0		NO
7	7 PFHpA	363.0 > 318.9	2.05e3	2.48e4		4.10	3.79	1.03	0.814	81.4		NO
8	8 L-PFHxS	398.9 > 79.6	3.61e2	2.88e3		4.24	3.94	1.57	0.881	88.1		NO
9	10 6:2 FTS	427.1 > 407	5.18e2	7.39e3		4.56	4.26	0.875	0.959	95.9		NO
10	11 L-PFOA	413 > 368.7	2.43e3	3.57e4		4.45	4.32	0.852	0.895	89.5		NO
11	13 PFHpS	449 > 80.0	4.93e2	3.57e4		4.71	4.43	0.173	1.08	108.5		NO
12	14 PFNA	463.0 > 418.8	2.85e3	3.08e4		5.04	4.75	1.16	0.966	96.6		NO
13	15 PFOSA	498.1 > 77.8	4.69e2	6.32e3		5.09	4.83	0.927	1.07	106.7		NO
14	16 L-PFOS	499 > 79.9	4.23e2	6.46e3		4.84	4.84	0.818	0.974	97.4		NO
15	18 PFDA	513 > 468.8	2.34e3	3.01e4		5.40	5.13	0.973	0.948	94.8		NO
16	19 8:2 FTS	527 > 506.9	5.95e2	3.69e3		5.38	5.10	2.02	1.70	169.9		YES (A)
17	20 PFNS	549.1>80.1	4.68e2	6.46e3		5.46	5.19	0.907	1.13	113.5		NO
18	21 N-MeFOSAA	570.1 > 419	1.65e3	1.44e4		5.55	5.28	1.43	1.12	111.6		NO
19	22 N-EtFOSAA	584.2 > 419	1.12e3	1.51e4		5.70	5.45	0.927	1.05	105.0		NO
20	23 PFUdA	563.0 > 518.9	2.99e3	3.65e4		5.72	5.45	1.03	1.04	104.2		NO
21	24 PFDS	598.8 > 80	5.13e2	3.65e4		5.76	5.50	0.176	0.965	96.5		NO
22	25 PFDaA	612.9 > 569.0	3.07e3	3.13e4		5.99	5.74	1.23	1.00	100.0		NO
23	26 N-MeFOSA	512.1 > 168.9	1.38e3	3.61e4		5.93	5.98	5.72	5.22	104.5		NO
24	27 PFTrDA	662.9 > 618.9	3.37e3	3.13e4		6.22	5.99	1.35	1.08	108.4		NO
25	28 PFTeDA	712.9 > 668.8	2.50e3	2.24e4		6.41	6.21	1.40	1.02	102.1		NO
26	29 N-EtFOSA	526.1 > 168.9	1.87e3	5.32e4		6.25	6.38	5.26	5.14	102.8		NO
27	30 PFHxDA	813.1 > 768.6	1.85e3	1.99e4		6.69	6.55	0.467	0.956	95.6		NO
28	31 PFODA	913.1 > 868.8	3.04e3	1.99e4		6.90	6.78	0.766	1.02	101.6		NO
29	32 N-MeFOSE	616.1 > 58.9	1.47e3	4.02e4		6.31	6.51	5.47	5.72	114.5		NO
30	33 N-EtFOSE	630.1 > 58.9	1.43e3	4.59e4		6.45	6.66	4.67	4.02	80.4		NO
31	34 13C3-PFBA	216.1 > 171.8	1.13e4	1.37e4	0.829	1.73	1.45	10.3	12.5	99.6		NO

*✓ VAF 3/9/18  
DM  
3/9/18*



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

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Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	2.97e4	3.44e4	0.814	2.70	2.41	10.8	13.2	106.0	NO
33	36 13C3-PFBS	302. > 98.8	3.05e3	3.44e4	0.096	2.98	2.68	1.11	11.5	92.1	NO
34	37 13C2-PFHxA	315 > 269.8	9.78e3	3.44e4	0.697	3.48	3.18	3.55	5.09	101.8	NO
35	38 13C4-PFHpA	367.2 > 321.8	2.48e4	3.44e4	0.683	4.10	3.79	9.01	13.2	105.5	NO
36	39 18O2-PFHxS	403.0 > 102.6	2.88e3	7.27e3	0.387	4.24	3.94	4.94	12.8	102.0	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	7.39e3	3.28e4	0.238	4.56	4.26	2.81	11.8	94.7	NO
38	41 13C2-PFOA	414.9 > 369.7	3.57e4	3.28e4	1.079	4.61	4.32	13.6	12.6	100.7	NO
39	42 13C5-PFNA	468.2 > 422.9	3.08e4	3.37e4	0.853	5.04	4.75	11.4	13.4	106.9	NO
40	43 13C8-PFOSA	506.1 > 77.7	6.32e3	3.67e4	0.159	5.09	4.83	2.15	13.5	108.1	NO
41	44 13C8-PFOS	507.0 > 79.9	6.46e3	8.20e3	0.934	5.11	4.84	9.85	10.5	84.4	NO
42	45 13C2-PFDA	515.1 > 469.9	3.01e4	3.57e4	0.898	5.40	5.13	10.5	11.7	93.8	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	3.69e3	3.44e4	0.170	5.38	5.10	1.34	7.88	63.0	NO
44	47 d3-N-MeFOSAA	573.3 > 419	1.44e4	3.67e4	0.372	5.55	5.28	4.92	13.2	105.8	NO
45	48 d5-N-EtFOSAA	589.3 > 419	1.51e4	3.67e4	0.385	5.70	5.44	5.16	13.4	107.1	NO
46	49 13C2-PFUdA	565 > 519.8	3.65e4	3.67e4	0.961	5.72	5.45	12.4	12.9	103.5	NO
47	50 13C2-PFDoA	615.0 > 569.7	3.13e4	3.67e4	0.864	5.99	5.74	10.7	12.3	98.7	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	3.61e4	3.67e4	0.080	5.93	6.00	12.3	155	103.1	NO
49	52 13C2-PFTeDA	714.8 > 669.6	2.24e4	3.67e4	0.692	6.41	6.21	7.63	11.0	88.2	NO
50	53 d5-N-ETFOSA	531.1 > 168.9	5.32e4	3.67e4	0.113	6.25	6.39	18.1	160	106.6	NO
51	54 13C2-PFHxDA	815 > 769.7	1.99e4	3.67e4	1.397	6.69	6.55	6.77	4.85	96.9	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	4.02e4	3.67e4	0.090	6.31	6.50	13.7	153	102.0	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	4.59e4	3.67e4	0.084	6.45	6.64	15.6	186	124.2	NO
54	57 13C4-PFBA	217. > 171.8	1.37e4	1.37e4	1.000	1.73	1.45	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	3.44e4	3.44e4	1.000	3.48	3.18	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	7.27e3	7.27e3	1.000	4.24	3.94	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	3.28e4	3.28e4	1.000	4.61	4.32	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	3.37e4	3.37e4	1.000	4.70	4.75	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	8.20e3	8.20e3	1.000	5.11	4.84	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	3.57e4	3.57e4	1.000	5.40	5.13	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	3.67e4	3.67e4	1.000	5.72	5.45	12.5	12.5	100.0	NO

Vista Analytical Laboratory

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180307M1_5	IPA	07-Mar-18	16:46:27
2	180307M1_6	ST180307M1-1 PFC CS-2 18C0602	07-Mar-18	16:57:52
3	180307M1_7	ST180307M1-2 PFC CS-1 18C0603	07-Mar-18	17:09:19
4	180307M1_8	ST180307M1-3 PFC CS0 18C0604	07-Mar-18	17:20:45
5	180307M1_9	ST180307M1-4 PFC CS1 18C0605	07-Mar-18	17:32:12
6	180307M1_10	ST180307M1-5 PFC CS2 18C0606	07-Mar-18	17:43:42
7	180307M1_11	ST180307M1-6 PFC CS3 18C0607	07-Mar-18	17:55:11
8	180307M1_12	ST180307M1-7 PFC CS4 18C0608	07-Mar-18	18:06:41
9	180307M1_13	ST180307M1-8 PFC CS5 18C0609	07-Mar-18	18:18:12
10	180307M1_14	ST180307M1-9 PFC CS6 18C0610	07-Mar-18	18:29:40
11	180307M1_15	ST180307M1-10 PFC CS7 18C0611	07-Mar-18	18:41:09
12	180307M1_16	IPA	07-Mar-18	18:52:38
13	180307M1_17	ICV180307M1-1 PFC ICV 18C0601	07-Mar-18	19:04:07
14	180307M1_18	IPA	07-Mar-18	19:15:34
15	180307M1_19	1800342-15 WI-AF-FB01-021718 0.11145	07-Mar-18	19:27:06
16	180307M1_20	B8B0147-BS1 OPR 0.25	07-Mar-18	19:38:30
17	180307M1_21	B8B0147-BLK1 Method Blank 0.25	07-Mar-18	19:49:57
18	180307M1_22	B8B0147-MS1 Matrix Spike 0.25376	07-Mar-18	20:01:28
19	180307M1_23	B8B0147-MSD1 Matrix Spike Dup 0.25664	07-Mar-18	20:12:55
20	180307M1_24	1800284-16RE1 OF-RW31-0218 0.11777	07-Mar-18	20:24:24
21	180307M1_25	1800328-01 RS 1 0.11484	07-Mar-18	20:35:50
22	180307M1_26	1800330-01 MW-3 0.1111	07-Mar-18	20:47:20
23	180307M1_27	1800335-01 IRPSite3-GW-03GW01-20180213 ...	07-Mar-18	20:58:50
24	180307M1_28	1800335-02 IRPSite3-GW-03GW02-20180213 ...	07-Mar-18	21:10:20
25	180307M1_29	1800335-03 IRPSite3-GW-03GW03-20180213 ...	07-Mar-18	21:21:49
26	180307M1_30	1800335-04 IRPSite3-GW-DUP01-20180213 0....	07-Mar-18	21:33:19
27	180307M1_31	1800335-05 IRPSite3-GW-EB01-20180213 0.2...	07-Mar-18	21:44:46
28	180307M1_32	1800335-06 IRPSite3-GW-FRB01-20180213 0....	07-Mar-18	21:56:15
29	180307M1_33	1800335-07 IRPSite3-GW-SWB01-20180213 0....	07-Mar-18	22:07:45
30	180307M1_34	1800343-01 YMCA Maintenance Bldg 0.25915	07-Mar-18	22:19:15
31	180307M1_35	1800343-02 YMCA Residence 0.26136	07-Mar-18	22:30:42

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:36:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:38:29 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180307M1_36	IPA	07-Mar-18	22:42:11
33	180307M1_37	ST180307M1-11 PFC CS3 18B2317	07-Mar-18	22:53:40
34	180307M1_38	IPA	07-Mar-18	23:05:10
35	180307M1_39	1800346-01 WI-AF-SB-FB01-021418 0.11713	07-Mar-18	23:16:40
36	180307M1_40	1800346-02 WI-AF-SB-FB01-021318 0.11317	07-Mar-18	23:28:10
37	180307M1_41	B8B0157-BS1 OPR 0.25	07-Mar-18	23:39:39
38	180307M1_42	B8B0157-BSD1 LCSD 0.25	07-Mar-18	23:51:06
39	180307M1_43	B8B0157-BLK1 Method Blank 0.25	08-Mar-18	00:02:34
40	180307M1_44	1800331-01 906A 0.12044	08-Mar-18	00:14:04
41	180307M1_45	1800331-02 906b 0.11572	08-Mar-18	00:25:31
42	180307M1_46	1800331-03 908 0.11722	08-Mar-18	00:37:01
43	180307M1_47	1800331-04 911 0.11887	08-Mar-18	00:48:30
44	180307M1_48	1800331-05 731 0.11762	08-Mar-18	00:59:59
45	180307M1_49	1800344-01 GW4751180215RAP 0.25614	08-Mar-18	01:11:29
46	180307M1_50	1800344-02 GW5357180215RAP 0.26043	08-Mar-18	01:22:58
47	180307M1_51	1800344-03 GW1620180216RAP 0.26555	08-Mar-18	01:34:28
48	180307M1_52	1800344-04 GW2630180216RAP 0.26027	08-Mar-18	01:45:58
49	180307M1_53	1800344-05 GW3640180216RAP 0.26103	08-Mar-18	01:57:28
50	180307M1_54	1800353-01 WI-AF-N2-5-0218 0.11121	08-Mar-18	02:08:54
51	180307M1_55	1800353-02 WI-AF-FB01-022018 0.11958	08-Mar-18	02:20:25
52	180307M1_56	1800353-03 WI-AF-MW-3-0218 0.11741	08-Mar-18	02:31:52
53	180307M1_57	1800353-04 WI-AF-MW-202-0218 0.11256	08-Mar-18	02:43:21
54	180307M1_58	1800353-05 WI-AF-MW-204-0218 0.11807	08-Mar-18	02:54:51
55	180307M1_59	IPA	08-Mar-18	03:06:21
56	180307M1_60	ST180307M1-12 PFC CS3 18B2317	08-Mar-18	03:17:50
57	180307M1_61	IPA	08-Mar-18	03:29:19
58	180307M1_62	1800353-06 WI-AF-MW-114-0218 0.11872	08-Mar-18	03:40:49
59	180307M1_63	1800353-07 WI-AF-EB03-022018 0.12247	08-Mar-18	03:52:16
60	180307M1_64	IPA	08-Mar-18	04:03:45
61	180307M1_65	ST180307M1-13 PFC CS3 18B2317	08-Mar-18	04:15:12
62	180307M1_66	ST180307M1-14 PFC CS0 18C0604	08-Mar-18	04:26:42
63	180307M1_67	IPA	08-Mar-18	04:38:08
64	180307M1_68	B8B0151-BS1 OPR 1	08-Mar-18	04:49:38
65	180307M1_69	B8B0151-BLK1 Method Blank 1	08-Mar-18	05:01:04

(A) Invalid, over 10 samples.  
 On 3/9/18

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:36:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:38:29 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180307M1_70	B8B0151-MS1 Matrix Spike 1.1	08-Mar-18	05:12:34
67	180307M1_71	B8B0151-MSD1 Matrix Spike Dup 1.09	08-Mar-18	05:24:03
68	180307M1_72	1800346-03 WI-AF-SB615-6768-0218 1.08	08-Mar-18	05:35:33
69	180307M1_73	1800346-04 WI-AF-SB615-0001-0218 1.33	08-Mar-18	05:47:00
70	180307M1_74	1800346-05 WI-AF-SB615-0506-0218 1.2	08-Mar-18	05:58:31
71	180307M1_75	1800356-03 WI-AF-SB611-0H01-0218 1.06	08-Mar-18	06:09:57
72	180307M1_76	1800356-04 WI-AF-SB611-0103-0218 1.07	08-Mar-18	06:21:27
73	180307M1_77	1800356-05 WI-AF-SB611P-0103-0218 1.16	08-Mar-18	06:32:56
74	180307M1_78	1800356-06 WI-AF-SB611-1213-0218 1.1	08-Mar-18	06:44:27
75	180307M1_79	IPA	08-Mar-18	06:55:57
76	180307M1_80	ST180307M1-15 PFC CS3 18B2317	08-Mar-18	07:07:26
77	180307M1_81	IPA	08-Mar-18	07:18:52

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

Last Altered: Friday, March 09, 2018 09:30:45 Pacific Standard Time

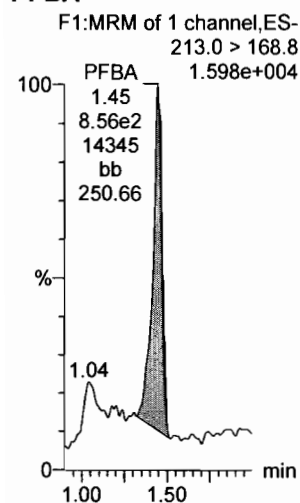
Printed: Friday, March 09, 2018 09:30:55 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

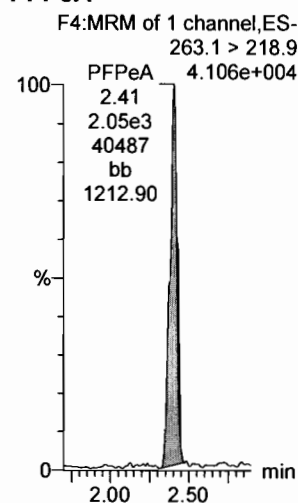
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

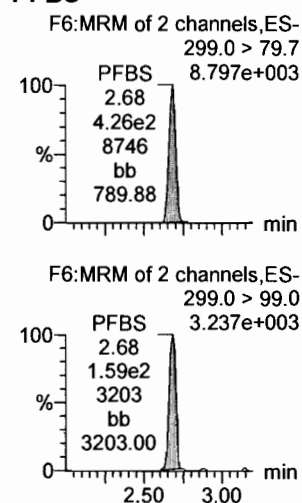
**PFBA**



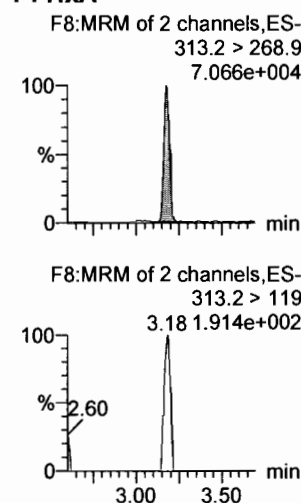
**PFPeA**



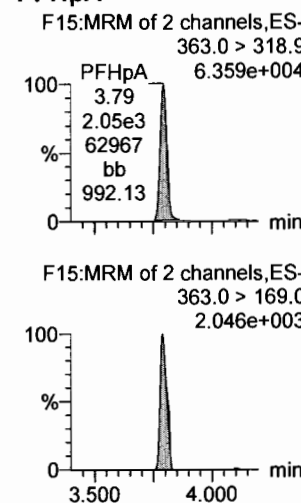
**PFBS**



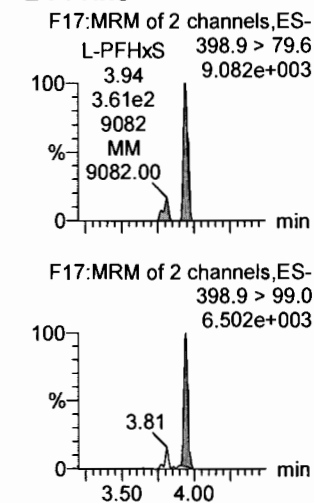
**PFHxA**



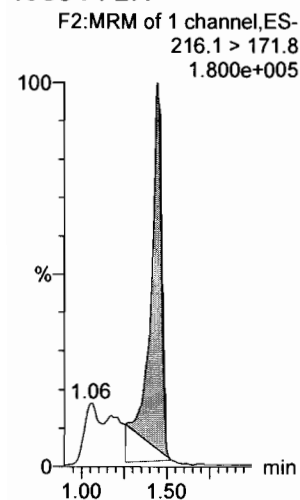
**PFHpA**



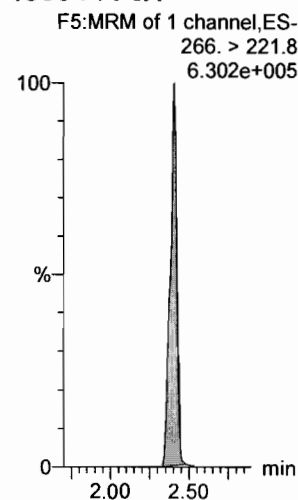
**L-PFHxS**



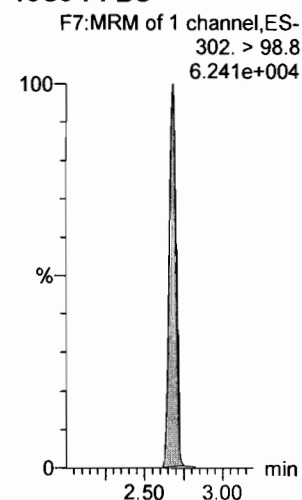
**13C3-PFBA**



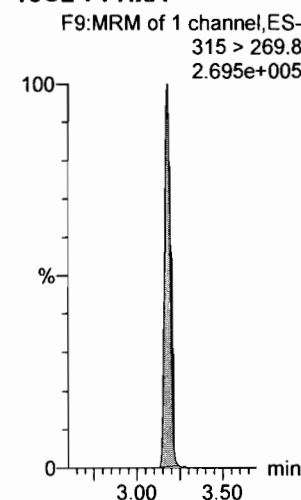
**13C3-PFPeA**



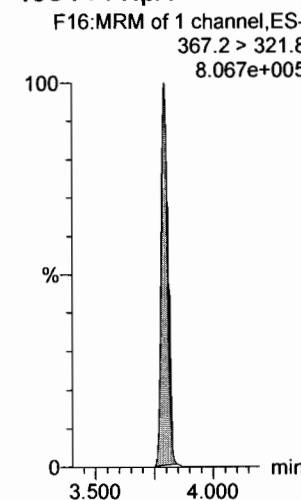
**13C3-PFBS**



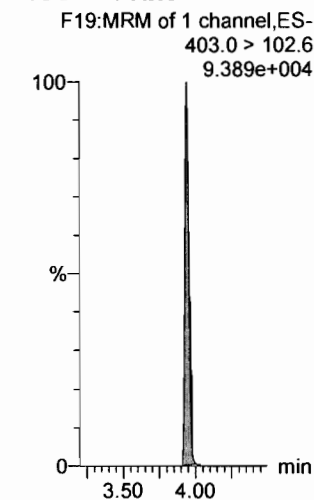
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



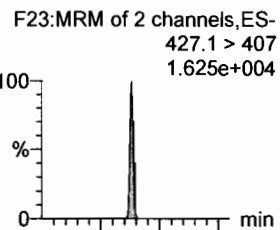
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

Last Altered: Friday, March 09, 2018 09:30:45 Pacific Standard Time

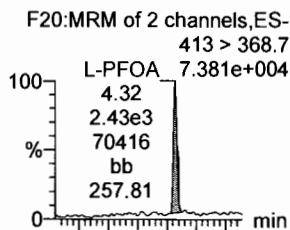
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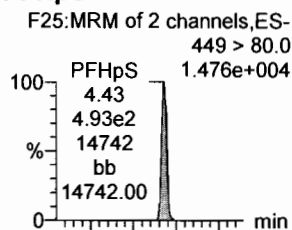
6:2 FTS



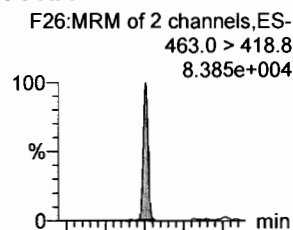
L-PFOA



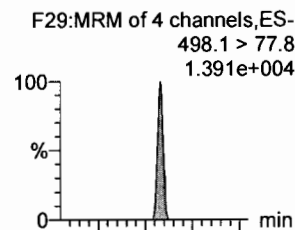
PFHpS



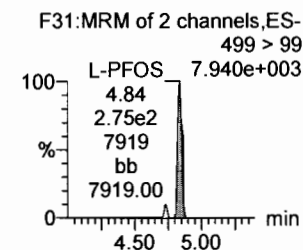
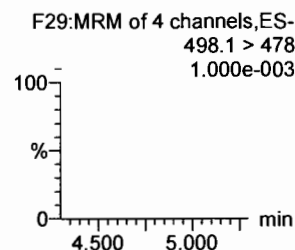
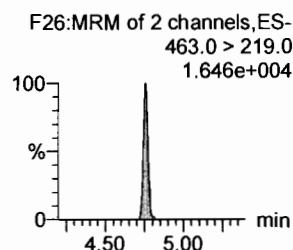
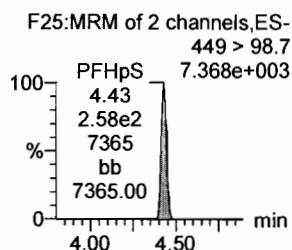
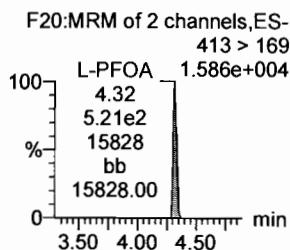
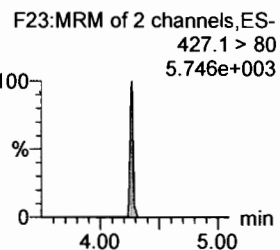
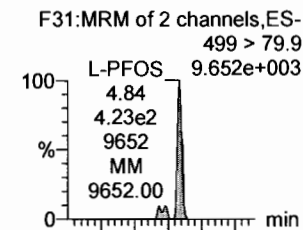
PFNA



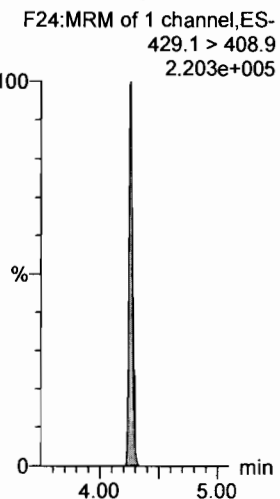
PFOSA



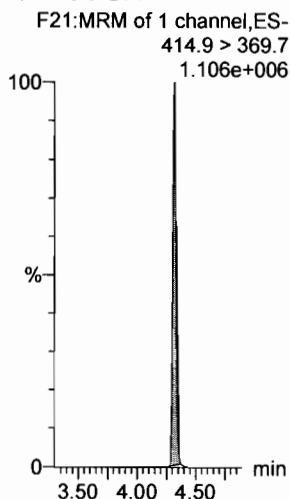
L-PFOS



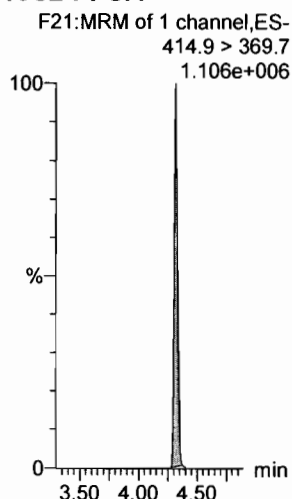
13C2-6:2 FTS



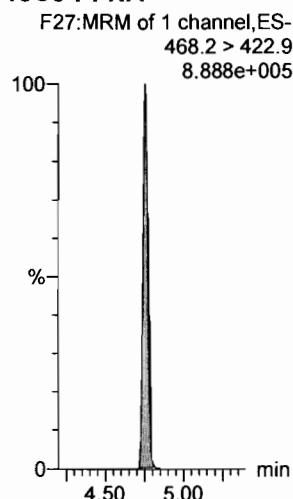
13C2-PFOA



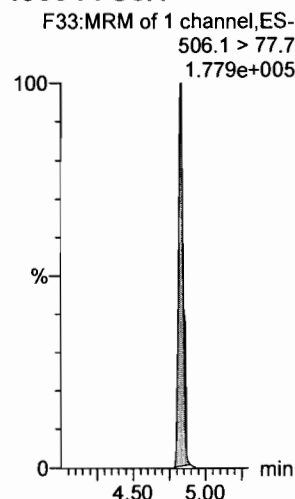
13C2-PFOA



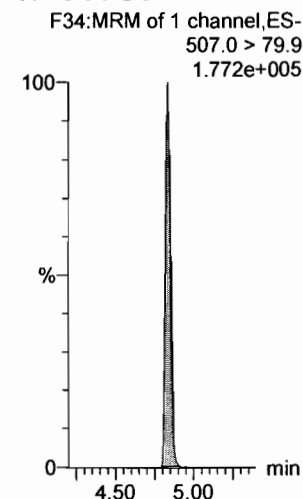
13C5-PFNA



13C8-PFOSA



13C8-PFOS



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

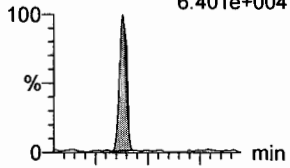
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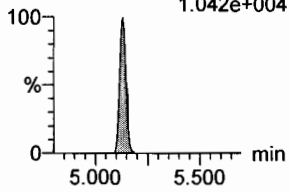
Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
6.401e+004

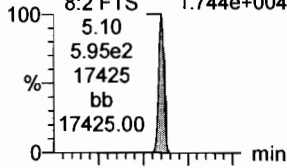


F36:MRM of 2 channels,ES-  
513 > 219  
1.042e+004

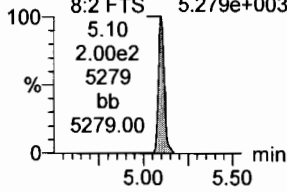


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.744e+004

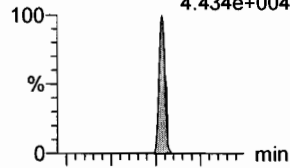


F41:MRM of 2 channels,ES-  
527 > 80  
5.279e+003

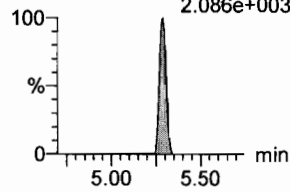


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
4.434e+004

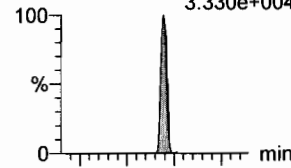


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
2.086e+003

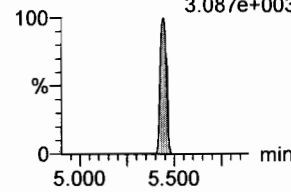


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
3.330e+004

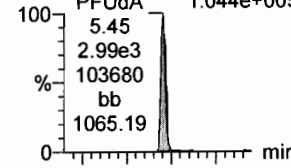


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
3.087e+003

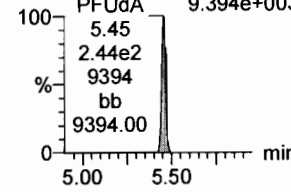


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.044e+005

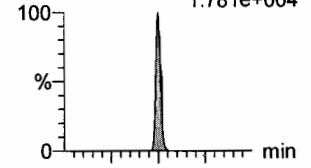


F45:MRM of 2 channels,ES-  
563.0 > 269  
9.394e+003

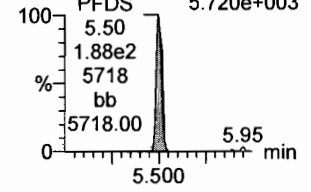


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
1.781e+004

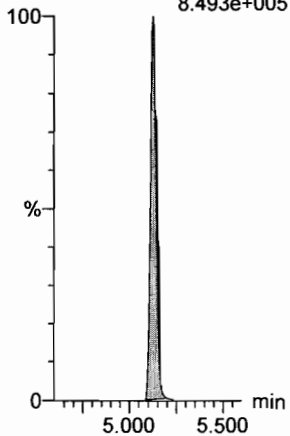


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
5.720e+003



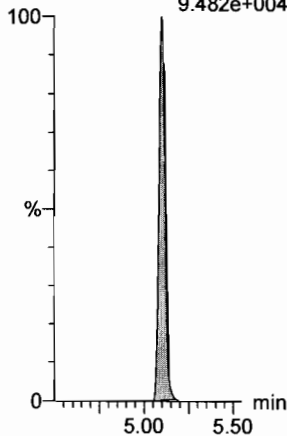
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.493e+005



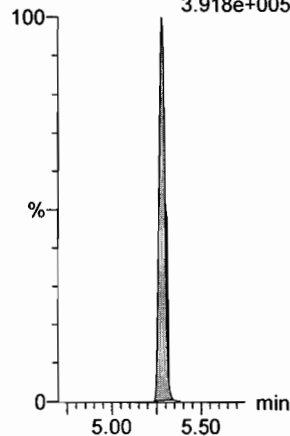
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
9.482e+004



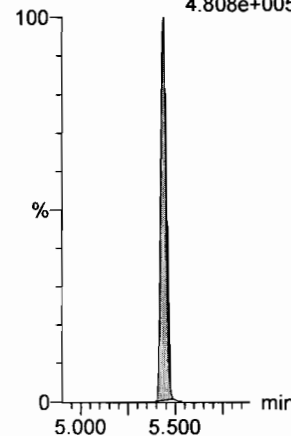
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.918e+005



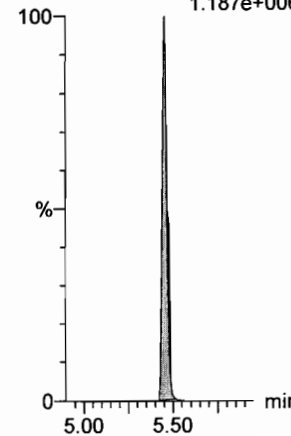
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
4.808e+005



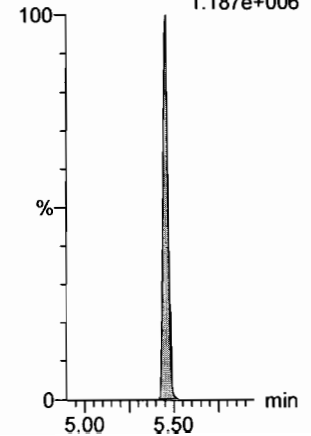
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.187e+006



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.187e+006



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

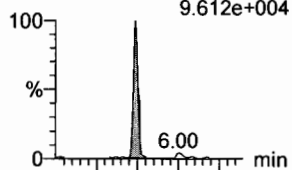
Last Altered: Friday, March 09, 2018 09:30:45 Pacific Standard Time

Printed: Friday, March 09, 2018 09:30:55 Pacific Standard Time

Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

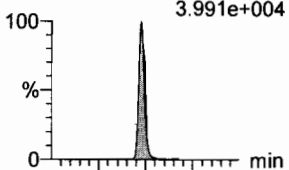
**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
9.612e+004



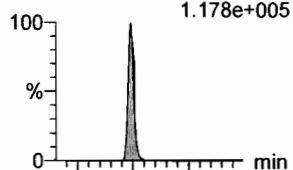
**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
3.991e+004



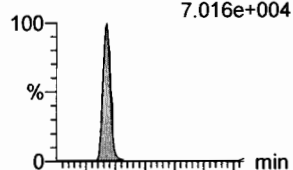
**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.178e+005



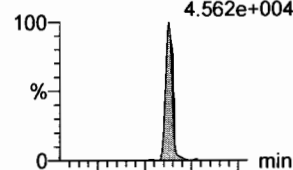
**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
7.016e+004



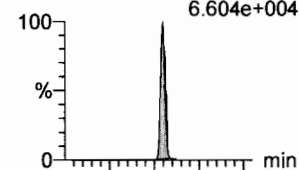
**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
4.562e+004

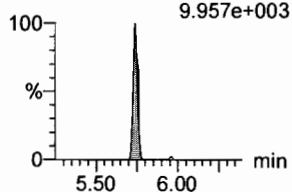


**PFHxDA**

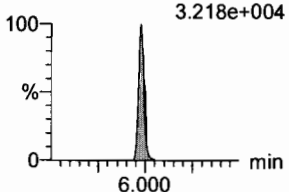
F62:MRM of 2 channels,ES-  
813.1 > 768.6  
6.604e+004



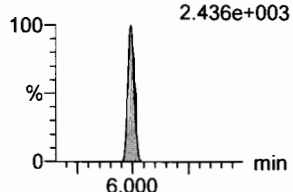
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
9.957e+003



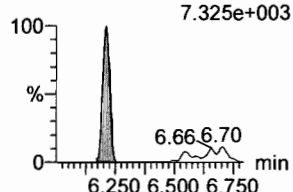
F35:MRM of 2 channels,ES-  
512.1 > 219  
3.218e+004



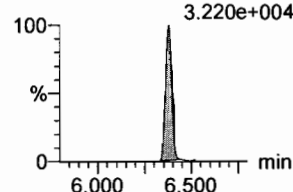
F59:MRM of 2 channels,ES-  
662.9 > 319  
2.436e+003



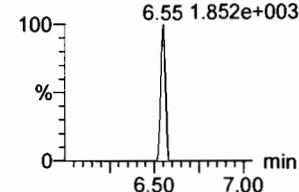
F60:MRM of 2 channels,ES-  
712.9 > 369  
7.325e+003



F40:MRM of 2 channels,ES-  
526.1 > 219  
3.220e+004

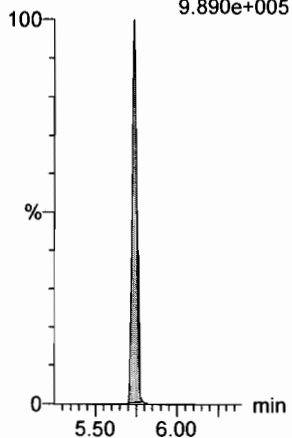


F62:MRM of 2 channels,ES-  
813.1 > 219  
6.55 1.852e+003



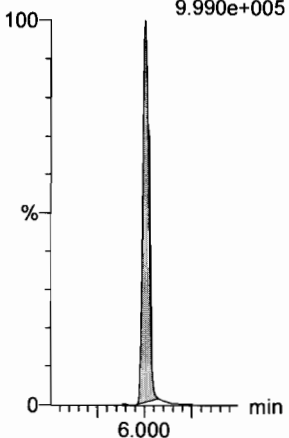
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.890e+005



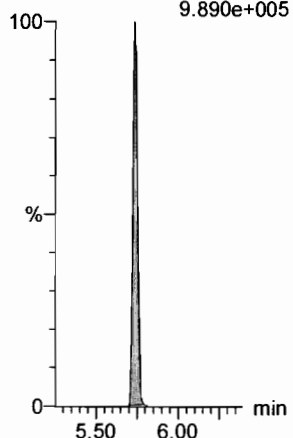
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
9.990e+005



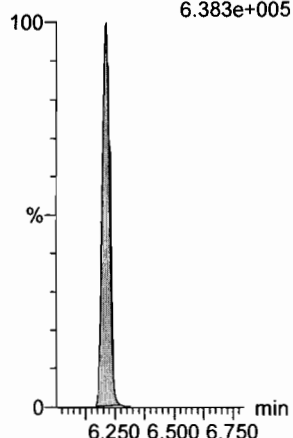
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.890e+005



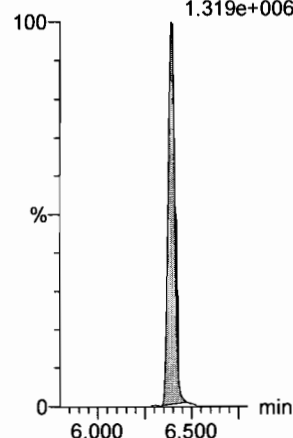
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
6.383e+005



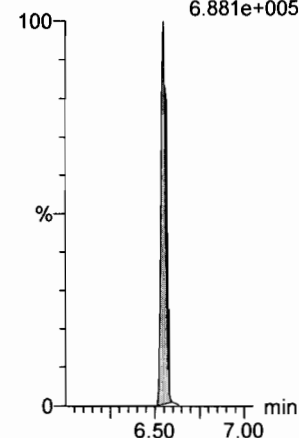
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.319e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.881e+005





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

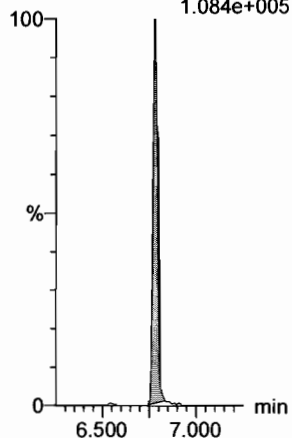
Last Altered: Friday, March 09, 2018 09:30:45 Pacific Standard Time

Printed: Friday, March 09, 2018 09:30:55 Pacific Standard Time

Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

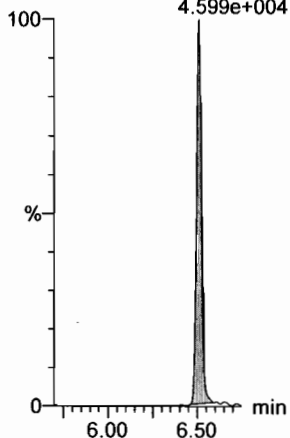
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
1.084e+005



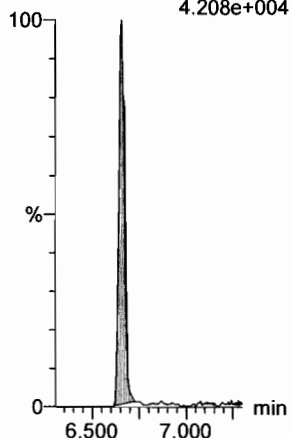
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
4.599e+004



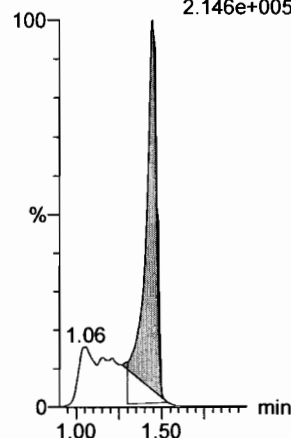
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
4.208e+004



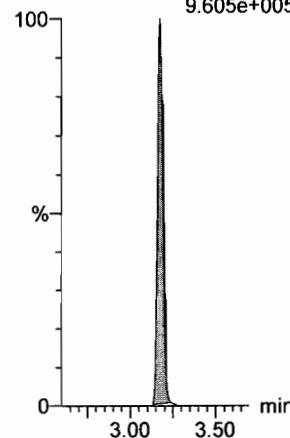
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
2.146e+005



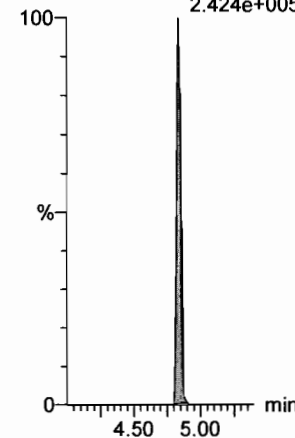
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
9.605e+005



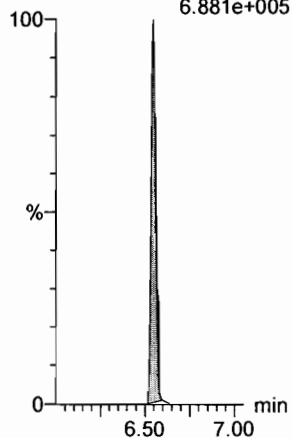
**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
2.424e+005



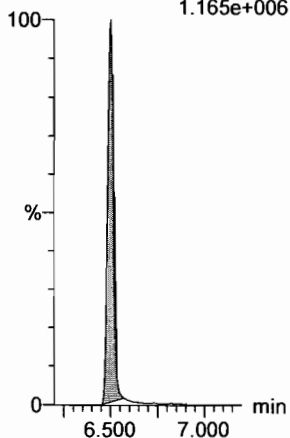
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.881e+005



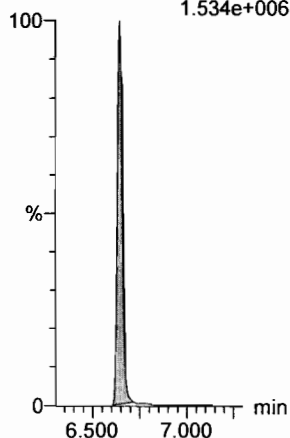
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.165e+006



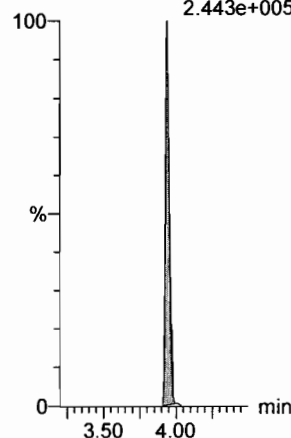
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.534e+006



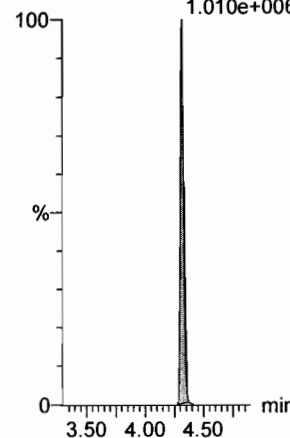
**13C3-PFHxA**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
2.443e+005



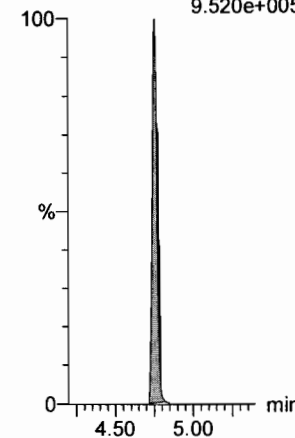
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
1.010e+006



**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
9.520e+005



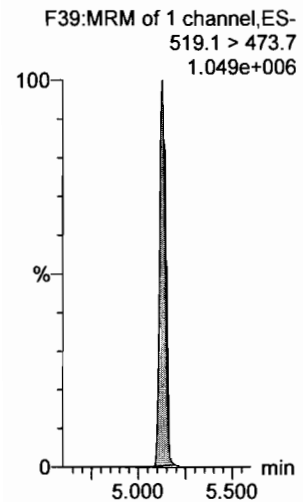
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-66.qld

Last Altered: Friday, March 09, 2018 09:30:45 Pacific Standard Time

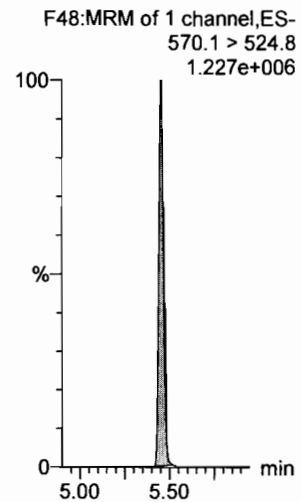
Printed: Friday, March 09, 2018 09:30:55 Pacific Standard Time

Name: 180307M1\_66, Date: 08-Mar-2018, Time: 04:26:42, ID: ST180307M1-14 PFC CS0 18C0604, Description: PFC CS0 18C0604

13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

Last Altered: Friday, March 09, 2018 09:35:00 Pacific Standard Time

Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1 PFBA	213.0 > 168.8	9.31e3	1.14e4		1.73	1.45	10.2	10.1	101.3	NO
2	2 PFPeA	263.1 > 218.9	2.13e4	3.05e4		2.70	2.41	8.71	10.6	106.2	NO
3	3 PFBS	299.0 > 79.7	4.84e3	3.55e3		2.98	2.69	17.1	10.2	102.2	NO
4	4 4:2 FTS	327.2>307.2	4.89e3	3.55e3		3.38	3.09	17.2	9.20	92.0	NO
5	5 PFHxA	313.2 > 268.9	2.51e4	1.06e4		3.48	3.18	11.8	9.91	99.1	NO
6	6 PFPeS	349.1>80.1	4.35e3	3.55e3		3.67	3.38	15.3	10.6	106.1	NO
7	7 PFHpA	363.0 > 318.9	2.26e4	2.59e4		4.10	3.79	10.9	9.45	94.5	NO
8	8 L-PFHxS	398.9 > 79.6	4.14e3	3.01e3		4.24	3.94	17.2	11.0	109.5	NO
9	10 6:2 FTS	427.1 > 407	5.46e3	6.76e3		4.56	4.26	10.1	11.6	115.7	NO
10	11 L-PFOA	413 > 368.7	2.48e4	3.53e4		4.45	4.32	8.77	10.1	100.6	NO
11	13 PFHpS	449 > 80.0	4.71e3	3.53e4		4.71	4.43	1.67	9.92	99.2	NO
12	14 PFNA	463.0 > 418.8	2.55e4	2.92e4		5.04	4.75	10.9	9.91	99.1	NO
13	15 PFOSA	498.1 > 77.8	4.92e3	6.73e3		5.09	4.83	9.14	10.1	101.4	NO
14	16 L-PFOS	499 > 79.9	5.67e3	7.38e3		4.84	4.84	9.61	9.00	90.0	NO
15	18 PFDA	513 > 468.8	3.15e4	3.65e4		5.40	5.13	10.8	10.4	103.7	NO
16	19 8:2 FTS	527 > 506.9	6.33e3	5.95e3		5.38	5.10	13.3	11.3	112.8	NO
17	20 PFNS	549.1>80.1	4.55e3	7.38e3		5.46	5.19	7.71	9.28	92.8	NO
18	21 N-MeFOSAA	570.1 > 419	1.59e4	1.55e4		5.55	5.28	12.8	9.25	92.5	NO
19	22 N-EtFOSAA	584.2 > 419	1.19e4	1.69e4		5.70	5.44	8.77	9.85	98.5	NO
20	23 PFUdA	563.0 > 518.9	2.55e4	3.56e4		5.72	5.45	8.95	9.12	91.2	NO
21	24 PFDS	598.8 > 80	4.84e3	3.56e4		5.76	5.50	1.70	9.10	91.0	NO
22	25 PFDoA	612.9 > 569.0	3.22e4	2.66e4		5.99	5.74	15.1	12.0	119.9	NO
23	26 N-MeFOSA	512.1 > 168.9	1.50e4	3.81e4		5.93	5.98	59.0	60.7	121.5	NO
24	27 PFTrDA	662.9 > 618.9	3.29e4	2.66e4		6.22	5.99	15.4	12.3	123.0	NO
25	28 PFTeDA	712.9 > 668.8	2.80e4	1.91e4		6.41	6.21	18.4	12.7	127.3	NO
26	29 N-EtFOSA	526.1 > 168.9	1.86e4	5.51e4		6.25	6.38	50.6	50.7	101.4	NO
27	30 PFHxDA	813.1 > 768.6	1.51e4	1.81e4		6.69	6.55	4.16	9.37	93.7	NO
28	31 PFODA	913.1 > 868.8	2.66e4	1.81e4		6.90	6.78	7.36	9.55	95.5	NO
29	32 N-MeFOSE	616.1 > 58.9	1.44e4	4.54e4		6.31	6.51	47.7	53.0	106.0	NO
30	33 N-EtFOSE	630.1 > 58.9	1.88e4	4.16e4		6.45	6.66	67.8	59.1	118.3	NO
31	34 13C3-PFBA	216.1 > 171.8	1.14e4	1.32e4	0.829	1.73	1.45	10.8	13.0	103.9	NO

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3/9/18

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

Last Altered: Friday, March 09, 2018 09:35:00 Pacific Standard Time

Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	3.05e4	3.87e4	0.814	2.70	2.41	9.85	12.1	96.8	NO
33	36 13C3-PFBS	302. > 98.8	3.55e3	3.87e4	0.096	2.98	2.68	1.15	11.9	95.2	NO
34	37 13C2-PFHxA	315 > 269.8	1.06e4	3.87e4	0.697	3.48	3.18	3.43	4.92	98.3	NO
35	38 13C4-PFHpA	367.2 > 321.8	2.59e4	3.87e4	0.683	4.10	3.79	8.37	12.2	97.9	NO
36	39 18O2-PFHxS	403.0 > 102.6	3.01e3	7.25e3	0.387	4.24	3.94	5.19	13.4	107.2	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	6.76e3	2.97e4	0.238	4.56	4.26	2.85	12.0	95.9	NO
38	41 13C2-PFOA	414.9 > 369.7	3.53e4	2.97e4	1.079	4.61	4.32	14.9	13.8	110.4	NO
39	42 13C5-PFNA	468.2 > 422.9	2.92e4	3.66e4	0.853	5.04	4.75	9.98	11.7	93.5	NO
40	43 13C8-PFOSA	506.1 > 77.7	6.73e3	3.65e4	0.159	5.09	4.83	2.30	14.4	115.6	NO
41	44 13C8-PFOS	507.0 > 79.9	7.38e3	8.11e3	0.934	5.11	4.84	11.4	12.2	97.4	NO
42	45 13C2-PFDA	515.1 > 469.9	3.65e4	3.42e4	0.898	5.40	5.13	13.3	14.8	118.6	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	5.95e3	3.87e4	0.170	5.38	5.10	1.92	11.3	90.5	NO
44	47 d3-N-MeFOSAA	573.3 > 419	1.55e4	3.65e4	0.372	5.55	5.28	5.31	14.3	114.1	NO
45	48 d5-N-EtFOSAA	589.3 > 419	1.69e4	3.65e4	0.385	5.70	5.44	5.78	15.0	120.1	NO
46	49 13C2-PFUdA	565 > 519.8	3.56e4	3.65e4	0.961	5.72	5.45	12.2	12.7	101.4	NO
47	50 13C2-PFDoA	615.0 > 569.7	2.66e4	3.65e4	0.864	5.99	5.74	9.11	10.6	84.4	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	3.81e4	3.65e4	0.080	5.93	6.00	13.0	164	109.2	NO
49	52 13C2-PFTeDA	714.8 > 669.6	1.91e4	3.65e4	0.692	6.41	6.21	6.53	9.44	75.5	NO
50	53 d5-N-ETFOSA	531.1 > 168.9	5.51e4	3.65e4	0.113	6.25	6.39	18.8	166	110.9	NO
51	54 13C2-PFHxDA	815 > 769.7	1.81e4	3.65e4	1.397	6.69	6.54	6.19	4.43	88.6	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	4.54e4	3.65e4	0.090	6.31	6.50	15.5	174	115.7	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	4.16e4	3.65e4	0.084	6.45	6.64	14.2	170	113.1	NO
54	57 13C4-PFBA	217. > 171.8	1.32e4	1.32e4	1.000	1.73	1.45	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	3.87e4	3.87e4	1.000	3.48	3.18	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	7.25e3	7.25e3	1.000	4.24	3.94	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	2.97e4	2.97e4	1.000	4.61	4.32	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	3.66e4	3.66e4	1.000	4.70	4.75	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	8.11e3	8.11e3	1.000	5.11	4.84	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	3.42e4	3.42e4	1.000	5.40	5.13	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	3.65e4	3.65e4	1.000	5.72	5.45	12.5	12.5	100.0	NO

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:36:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:38:29 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180307M1_5	IPA	07-Mar-18	16:46:27
2	180307M1_6	ST180307M1-1 PFC CS-2 18C0602	07-Mar-18	16:57:52
3	180307M1_7	ST180307M1-2 PFC CS-1 18C0603	07-Mar-18	17:09:19
4	180307M1_8	ST180307M1-3 PFC CS0 18C0604	07-Mar-18	17:20:45
5	180307M1_9	ST180307M1-4 PFC CS1 18C0605	07-Mar-18	17:32:12
6	180307M1_10	ST180307M1-5 PFC CS2 18C0606	07-Mar-18	17:43:42
7	180307M1_11	ST180307M1-6 PFC CS3 18C0607	07-Mar-18	17:55:11
8	180307M1_12	ST180307M1-7 PFC CS4 18C0608	07-Mar-18	18:06:41
9	180307M1_13	ST180307M1-8 PFC CS5 18C0609	07-Mar-18	18:18:12
10	180307M1_14	ST180307M1-9 PFC CS6 18C0610	07-Mar-18	18:29:40
11	180307M1_15	ST180307M1-10 PFC CS7 18C0611	07-Mar-18	18:41:09
12	180307M1_16	IPA	07-Mar-18	18:52:38
13	180307M1_17	ICV180307M1-1 PFC ICV 18C0601	07-Mar-18	19:04:07
14	180307M1_18	IPA	07-Mar-18	19:15:34
15	180307M1_19	1800342-15 WI-AF-FB01-021718 0.11145	07-Mar-18	19:27:06
16	180307M1_20	B8B0147-BS1 OPR 0.25	07-Mar-18	19:38:30
17	180307M1_21	B8B0147-BLK1 Method Blank 0.25	07-Mar-18	19:49:57
18	180307M1_22	B8B0147-MS1 Matrix Spike 0.25376	07-Mar-18	20:01:28
19	180307M1_23	B8B0147-MSD1 Matrix Spike Dup 0.25664	07-Mar-18	20:12:55
20	180307M1_24	1800284-16RE1 OF-RW31-0218 0.11777	07-Mar-18	20:24:24
21	180307M1_25	1800328-01 RS 1 0.11484	07-Mar-18	20:35:50
22	180307M1_26	1800330-01 MW-3 0.1111	07-Mar-18	20:47:20
23	180307M1_27	1800335-01 IRPSite3-GW-03GW01-20180213 ...	07-Mar-18	20:58:50
24	180307M1_28	1800335-02 IRPSite3-GW-03GW02-20180213 ...	07-Mar-18	21:10:20
25	180307M1_29	1800335-03 IRPSite3-GW-03GW03-20180213 ...	07-Mar-18	21:21:49
26	180307M1_30	1800335-04 IRPSite3-GW-DUP01-20180213 0....	07-Mar-18	21:33:19
27	180307M1_31	1800335-05 IRPSite3-GW-EB01-20180213 0.2...	07-Mar-18	21:44:46
28	180307M1_32	1800335-06 IRPSite3-GW-FRB01-20180213 0....	07-Mar-18	21:56:15
29	180307M1_33	1800335-07 IRPSite3-GW-SWB01-20180213 0....	07-Mar-18	22:07:45
30	180307M1_34	1800343-01 YMCA Maintenance Bldg 0.25915	07-Mar-18	22:19:15
31	180307M1_35	1800343-02 YMCA Residence 0.26136	07-Mar-18	22:30:42

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:36:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:38:29 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
32	180307M1_36	IPA	07-Mar-18	22:42:11
33	180307M1_37	ST180307M1-11 PFC CS3 18B2317	07-Mar-18	22:53:40
34	180307M1_38	IPA	07-Mar-18	23:05:10
35	180307M1_39	1800346-01 WI-AF-SB-FB01-021418 0.11713	07-Mar-18	23:16:40
36	180307M1_40	1800346-02 WI-AF-SB-FB01-021318 0.11317	07-Mar-18	23:28:10
37	180307M1_41	B8B0157-BS1 OPR 0.25	07-Mar-18	23:39:39
38	180307M1_42	B8B0157-BSD1 LCSD 0.25	07-Mar-18	23:51:06
39	180307M1_43	B8B0157-BLK1 Method Blank 0.25	08-Mar-18	00:02:34
40	180307M1_44	1800331-01 906A 0.12044	08-Mar-18	00:14:04
41	180307M1_45	1800331-02 906b 0.11572	08-Mar-18	00:25:31
42	180307M1_46	1800331-03 908 0.11722	08-Mar-18	00:37:01
43	180307M1_47	1800331-04 911 0.11887	08-Mar-18	00:48:30
44	180307M1_48	1800331-05 731 0.11762	08-Mar-18	00:59:59
45	180307M1_49	1800344-01 GW4751180215RAP 0.25614	08-Mar-18	01:11:29
46	180307M1_50	1800344-02 GW5357180215RAP 0.26043	08-Mar-18	01:22:58
47	180307M1_51	1800344-03 GW1620180216RAP 0.26555	08-Mar-18	01:34:28
48	180307M1_52	1800344-04 GW2630180216RAP 0.26027	08-Mar-18	01:45:58
49	180307M1_53	1800344-05 GW3640180216RAP 0.26103	08-Mar-18	01:57:28
50	180307M1_54	1800353-01 WI-AF-N2-5-0218 0.11121	08-Mar-18	02:08:54
51	180307M1_55	1800353-02 WI-AF-FB01-022018 0.11958	08-Mar-18	02:20:25
52	180307M1_56	1800353-03 WI-AF-MW-3-0218 0.11741	08-Mar-18	02:31:52
53	180307M1_57	1800353-04 WI-AF-MW-202-0218 0.11256	08-Mar-18	02:43:21
54	180307M1_58	1800353-05 WI-AF-MW-204-0218 0.11807	08-Mar-18	02:54:51
55	180307M1_59	IPA	08-Mar-18	03:06:21
56	180307M1_60	ST180307M1-12 PFC CS3 18B2317	08-Mar-18	03:17:50
57	180307M1_61	IPA	08-Mar-18	03:29:19
58	180307M1_62	1800353-06 WI-AF-MW-114-0218 0.11872	08-Mar-18	03:40:49
59	180307M1_63	1800353-07 WI-AF-EB03-022018 0.12247	08-Mar-18	03:52:16
60	180307M1_64	IPA	08-Mar-18	04:03:45
61	180307M1_65	ST180307M1-13 PFC CS3 18B2317	08-Mar-18	04:15:12
62	180307M1_66	ST180307M1-14 PFC CS0 18C0604	08-Mar-18	04:26:42
63	180307M1_67	IPA	08-Mar-18	04:38:08
64	180307M1_68	B8B0151-BS1 OPR 1	08-Mar-18	04:49:38
65	180307M1_69	B8B0151-BLK1 Method Blank 1	08-Mar-18	05:01:04

(A) Invalid, over 10 samples.  
 On 3/9/18

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:36:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:38:29 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180307M1_70	B8B0151-MS1 Matrix Spike 1.1	08-Mar-18	05:12:34
67	180307M1_71	B8B0151-MSD1 Matrix Spike Dup 1.09	08-Mar-18	05:24:03
68	180307M1_72	1800346-03 WI-AF-SB615-6768-0218 1.08	08-Mar-18	05:35:33
69	180307M1_73	1800346-04 WI-AF-SB615-0001-0218 1.33	08-Mar-18	05:47:00
70	180307M1_74	1800346-05 WI-AF-SB615-0506-0218 1.2	08-Mar-18	05:58:31
71	180307M1_75	1800356-03 WI-AF-SB611-0H01-0218 1.06	08-Mar-18	06:09:57
72	180307M1_76	1800356-04 WI-AF-SB611-0103-0218 1.07	08-Mar-18	06:21:27
73	180307M1_77	1800356-05 WI-AF-SB611P-0103-0218 1.16	08-Mar-18	06:32:56
74	180307M1_78	1800356-06 WI-AF-SB611-1213-0218 1.1	08-Mar-18	06:44:27
75	180307M1_79	IPA	08-Mar-18	06:55:57
76	180307M1_80	ST180307M1-15 PFC CS3 18B2317	08-Mar-18	07:07:26
77	180307M1_81	IPA	08-Mar-18	07:18:52

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

Last Altered: Friday, March 09, 2018 09:35:00 Pacific Standard Time

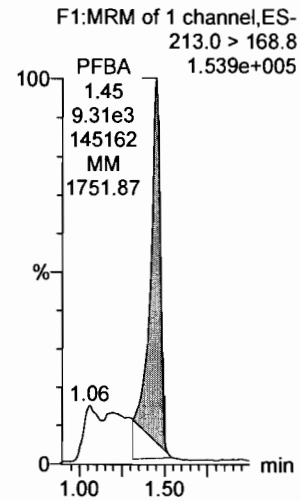
Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

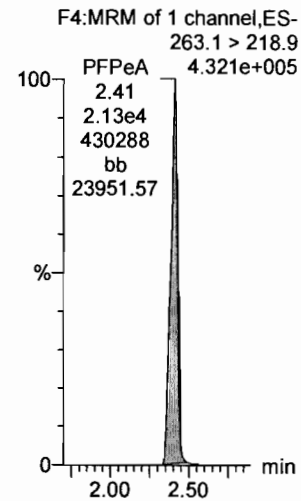
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

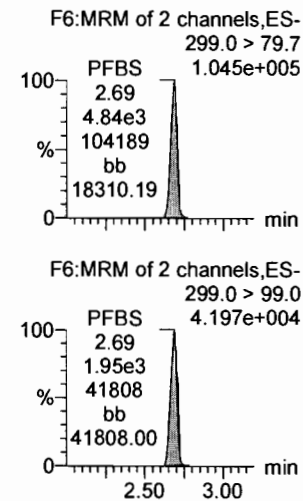
**PFBA**



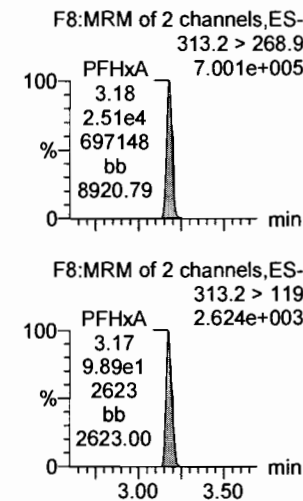
**PFPeA**



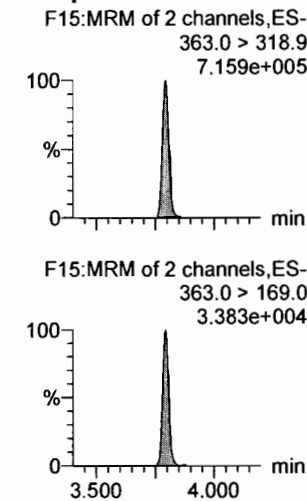
**PFBS**



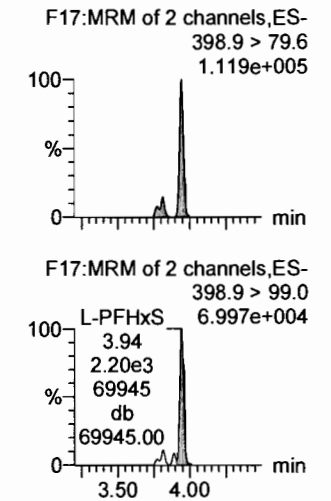
**PFHxA**



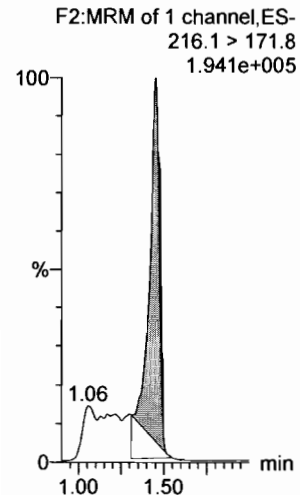
**PFHpA**



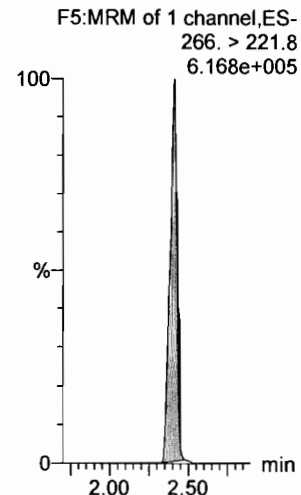
**L-PFHxS**



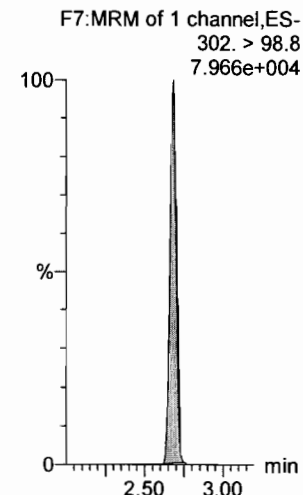
**13C3-PFBA**



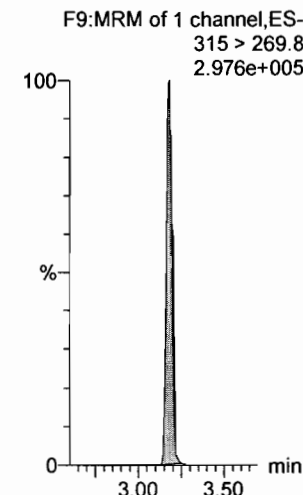
**13C3-PFPeA**



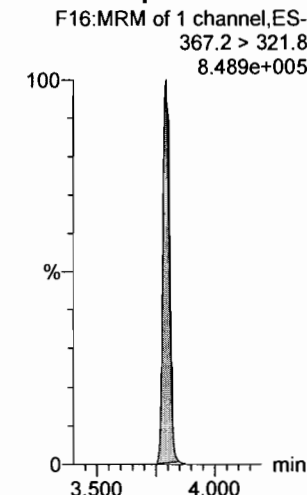
**13C3-PFBS**



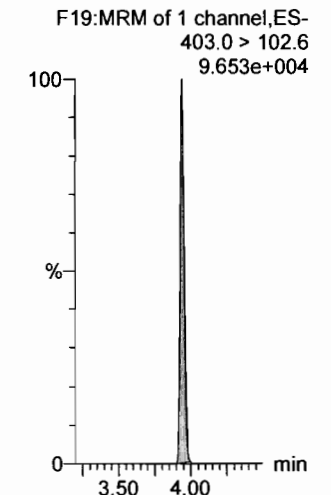
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**





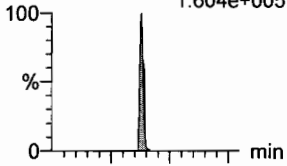
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

Last Altered: Friday, March 09, 2018 09:35:00 Pacific Standard Time  
Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

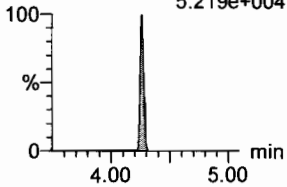
Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
1.604e+005

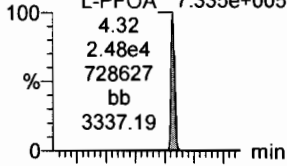


F23:MRM of 2 channels,ES-  
427.1 > 80  
5.219e+004

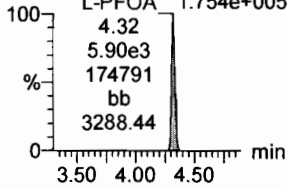


**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
7.335e+005

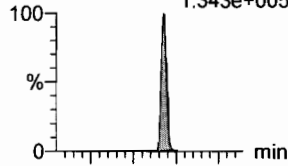


F20:MRM of 2 channels,ES-  
413 > 169  
1.754e+005

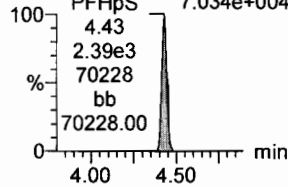


**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
1.343e+005

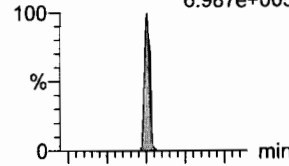


F25:MRM of 2 channels,ES-  
449 > 98.7  
7.034e+004

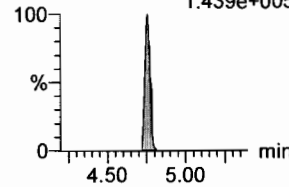


**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
6.987e+005

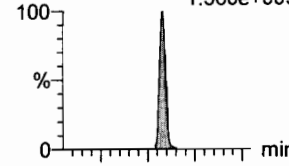


F26:MRM of 2 channels,ES-  
463.0 > 219.0  
1.439e+005

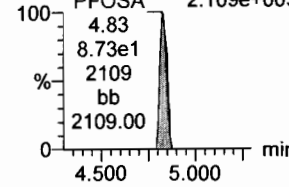


**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
1.360e+005

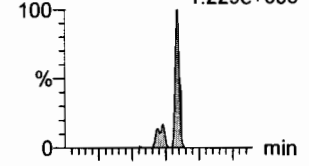


F29:MRM of 4 channels,ES-  
498.1 > 478  
2.109e+003

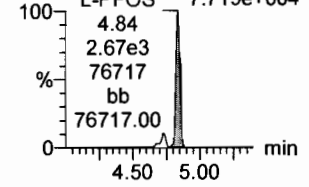


**L-PFOS**

F31:MRM of 2 channels,ES-  
499 > 79.9  
1.229e+005

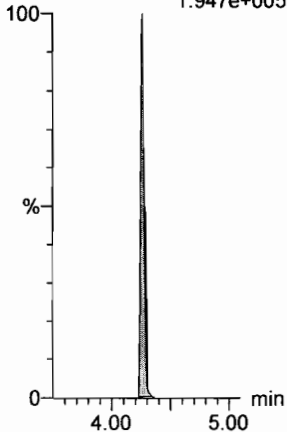


F31:MRM of 2 channels,ES-  
499 > 99  
7.719e+004



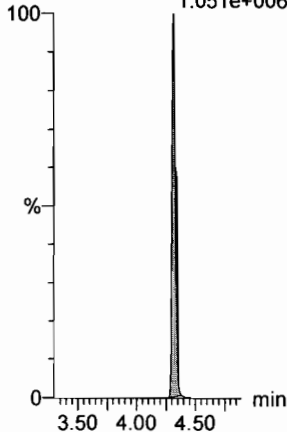
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
1.947e+005



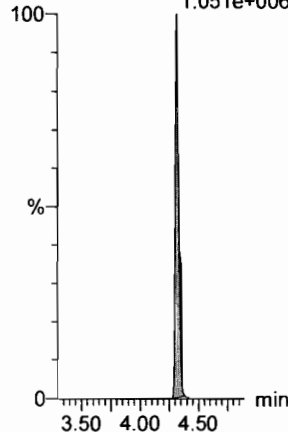
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
1.051e+006



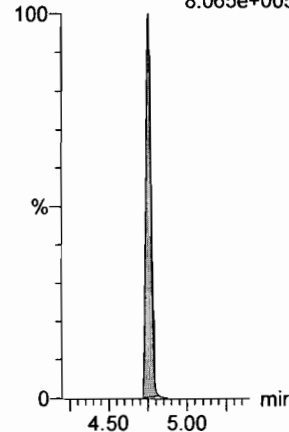
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
1.051e+006



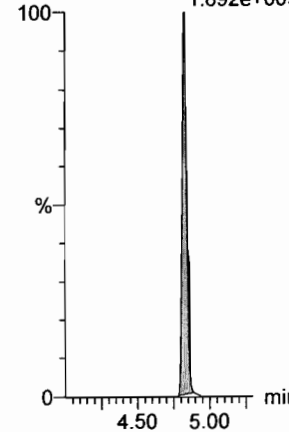
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
8.065e+005



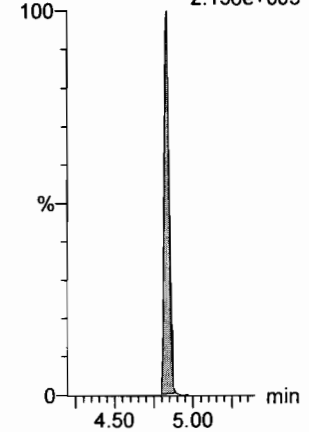
**13C8-PFOA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
1.892e+005



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
2.136e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

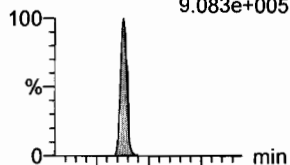
Last Altered: Friday, March 09, 2018 09:35:00 Pacific Standard Time

Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

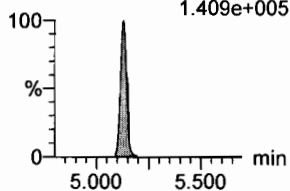
Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
9.083e+005

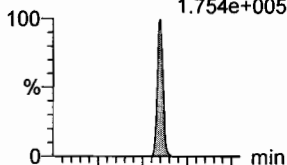


F36:MRM of 2 channels,ES-  
513 > 219  
1.409e+005

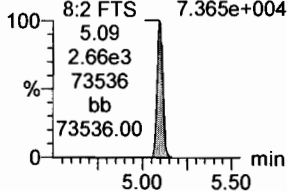


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.754e+005

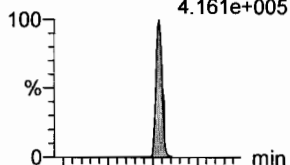


F41:MRM of 2 channels,ES-  
527 > 80  
7.365e+004

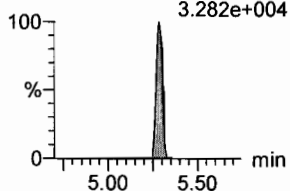


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
4.161e+005

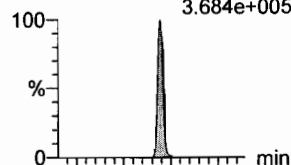


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
3.282e+004

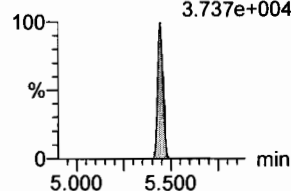


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
3.684e+005

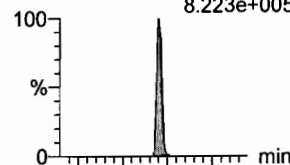


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
3.737e+004

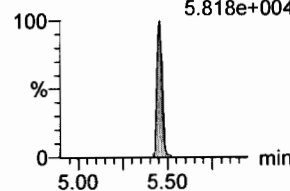


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
8.223e+005

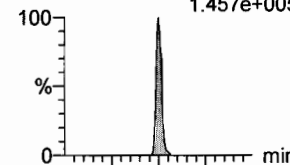


F45:MRM of 2 channels,ES-  
563.0 > 269  
5.818e+004

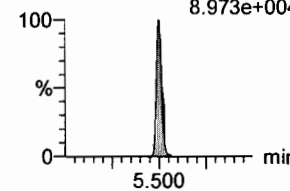


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
1.457e+005

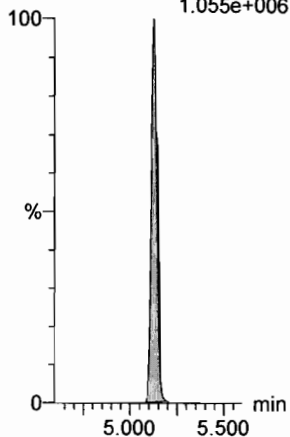


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
8.973e+004



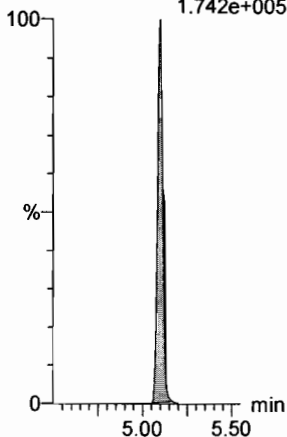
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
1.055e+006



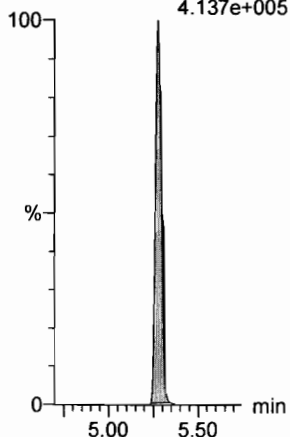
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.742e+005



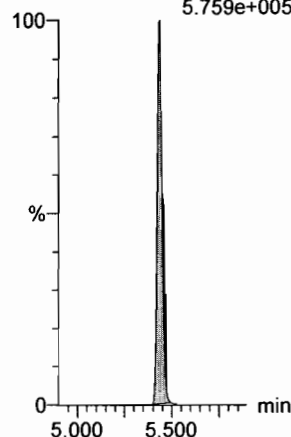
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
4.137e+005



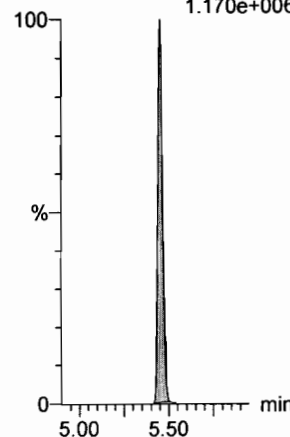
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
5.759e+005



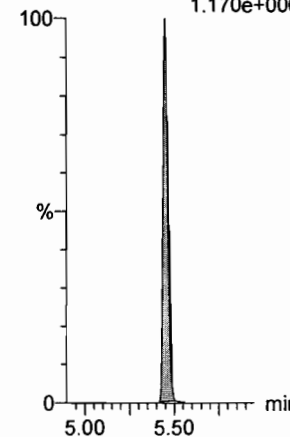
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.170e+006



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.170e+006



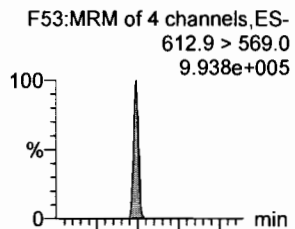
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

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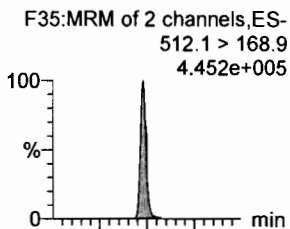
Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

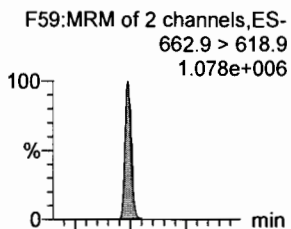
**PFD<sub>o</sub>A**



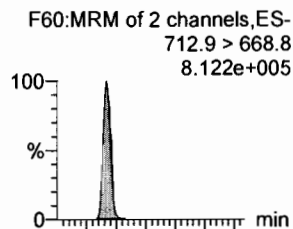
**N-MeFOSA**



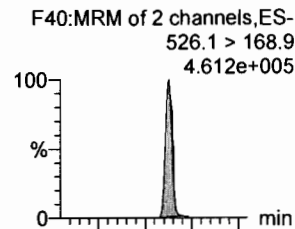
**PFT<sub>r</sub>DA**



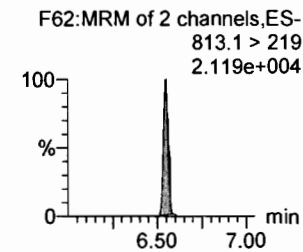
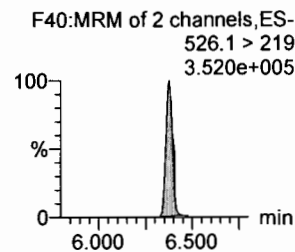
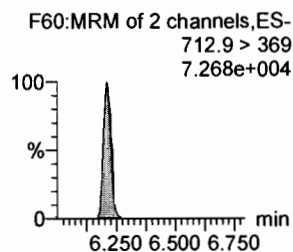
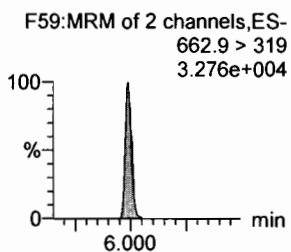
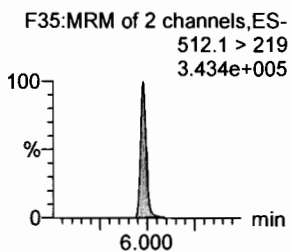
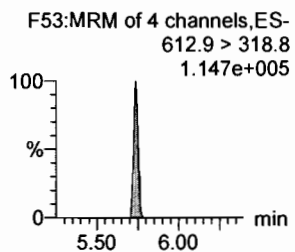
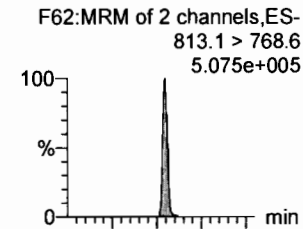
**PFT<sub>e</sub>DA**



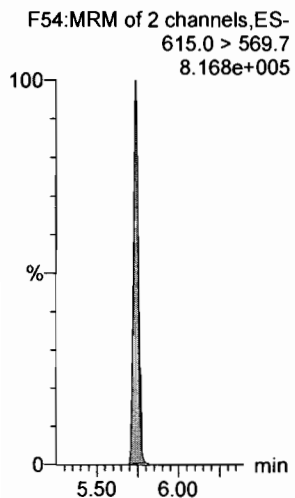
**N-EtFOSA**



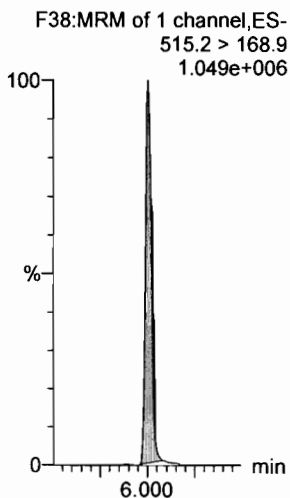
**PFH<sub>x</sub>DA**



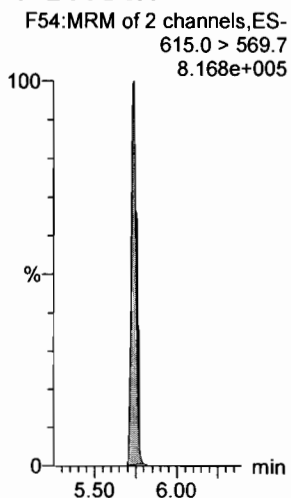
**13C<sub>2</sub>-PFD<sub>o</sub>A**



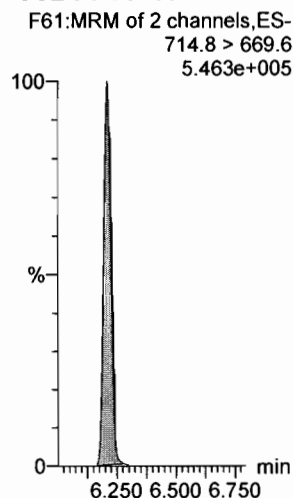
**d3-N-MeFOSA**



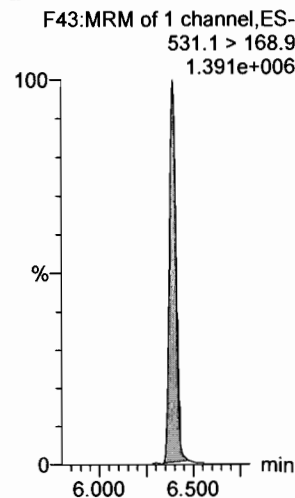
**13C<sub>2</sub>-PFT<sub>r</sub>DA**



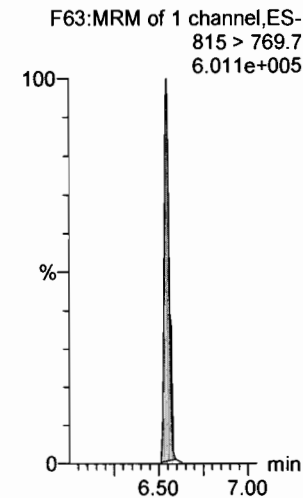
**13C<sub>2</sub>-PFT<sub>e</sub>DA**



**d5-N-ETFOSA**



**13C<sub>2</sub>-PFH<sub>x</sub>DA**



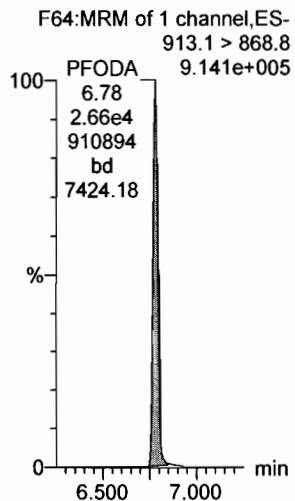
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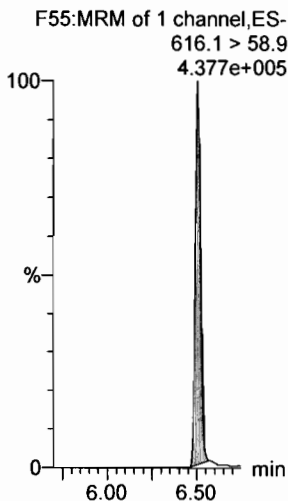
Printed: Friday, March 09, 2018 09:35:20 Pacific Standard Time

Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

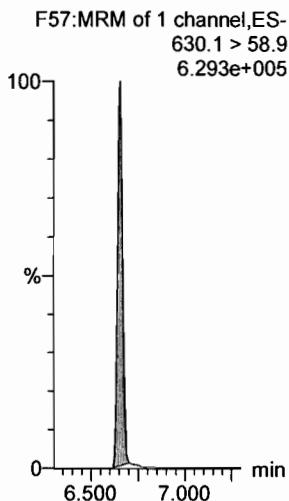
**PFODA**



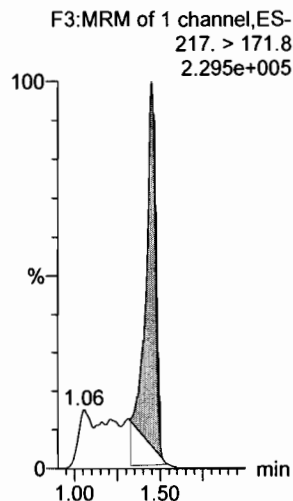
**N-MeFOSE**



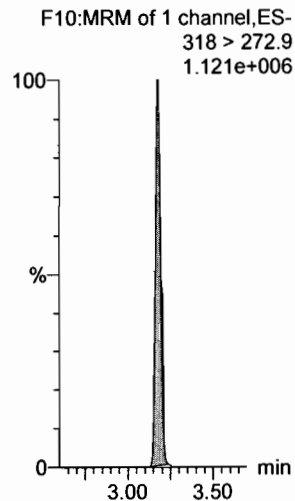
**N-EtFOSE**



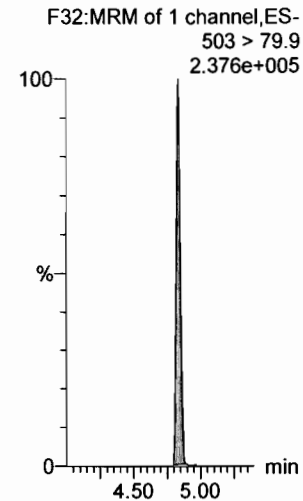
**13C4-PFBA**



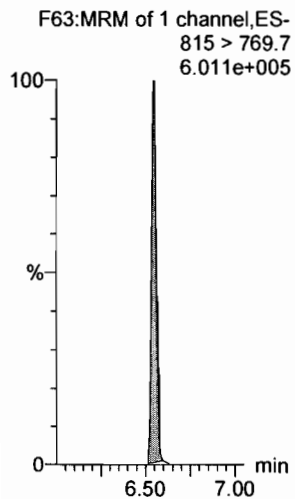
**13C5-PFHxA**



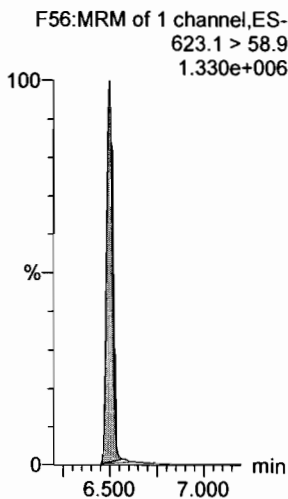
**13C4-PFOS**



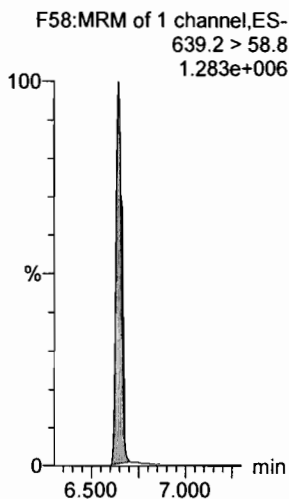
**13C2-PFHxDA**



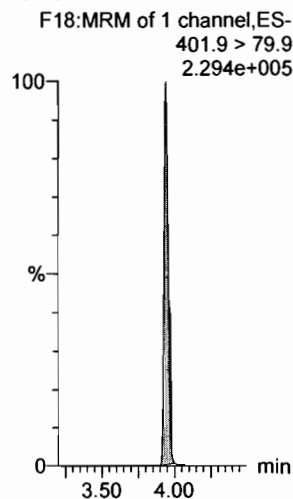
**d7-N-MeFOSE**



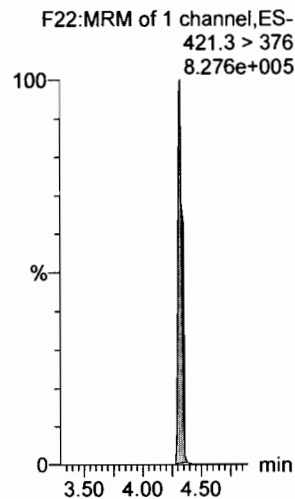
**d9-N-EtFOSE**



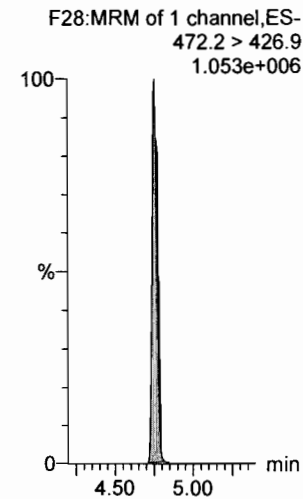
**13C3-PFHxS**



**13C8-PFOA**



**13C9-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-80.qld

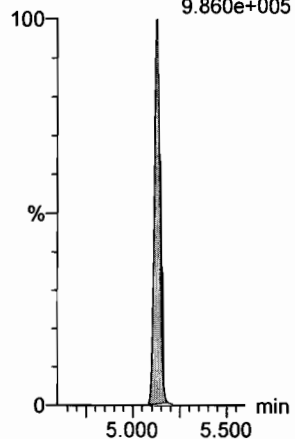
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Name: 180307M1\_80, Date: 08-Mar-2018, Time: 07:07:26, ID: ST180307M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

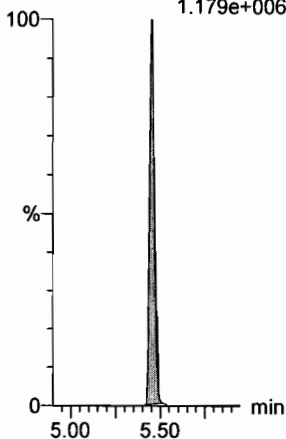
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.860e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.179e+006



Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-IIS AREAS.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_RS-3-20-18.mdb 20 Mar 2018 13:05:28

Calibration: 21 Mar 2018 13:53:38

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-1 PFC CS0 18C1205	5.02e3	100.0	NO
2	2 13C5-PFHxA	ST180320M2-1 PFC CS0 18C1205	1.02e4	100.0	NO
3	3 13C3-PFHxS	ST180320M2-1 PFC CS0 18C1205	2.05e3	100.0	NO
4	4 13C8-PFOA	ST180320M2-1 PFC CS0 18C1205	1.10e4	100.0	NO
5	5 13C9-PFNA	ST180320M2-1 PFC CS0 18C1205	1.10e4	100.0	NO
6	6 13C4-PFOS	ST180320M2-1 PFC CS0 18C1205	2.11e3	100.0	NO
7	7 13C6-PFDA	ST180320M2-1 PFC CS0 18C1205	1.06e4	100.0	NO
8	8 13C7-PFUDa	ST180320M2-1 PFC CS0 18C1205	1.17e4	100.0	NO

Name: 180320M2\_3, Date: 20-Mar-2018, Time: 16:21:36, 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	8.48e0	0.1	YES
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: 180320M2\_4, Date: 20-Mar-2018, Time: 16:33:08, ID: B8C0111-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0111-BS1 OPR 0.125	5.84e3	116.4	NO
2	2 13C5-PFHxA	B8C0111-BS1 OPR 0.125	8.92e3	87.8	NO
3	3 13C3-PFHxS	B8C0111-BS1 OPR 0.125	2.08e3	101.3	NO
4	4 13C8-PFOA	B8C0111-BS1 OPR 0.125	9.37e3	85.2	NO
5	5 13C9-PFNA	B8C0111-BS1 OPR 0.125	1.05e4	95.4	NO
6	6 13C4-PFOS	B8C0111-BS1 OPR 0.125	2.16e3	102.2	NO
7	7 13C6-PFDA	B8C0111-BS1 OPR 0.125	8.85e3	83.3	NO
8	8 13C7-PFUDa	B8C0111-BS1 OPR 0.125	1.26e4	107.9	NO

Name: 180320M2\_5, Date: 20-Mar-2018, Time: 16:44:33, ID: B8C0111-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0111-BLK1 Method Blank 0.125	6.30e3	125.6	NO
2	2 13C5-PFHxA	B8C0111-BLK1 Method Blank 0.125	8.73e3	85.9	NO
3	3 13C3-PFHxS	B8C0111-BLK1 Method Blank 0.125	2.03e3	99.0	NO
4	4 13C8-PFOA	B8C0111-BLK1 Method Blank 0.125	9.17e3	83.3	NO
5	5 13C9-PFNA	B8C0111-BLK1 Method Blank 0.125	1.09e4	99.4	NO
6	6 13C4-PFOS	B8C0111-BLK1 Method Blank 0.125	2.24e3	105.9	NO
7	7 13C6-PFDA	B8C0111-BLK1 Method Blank 0.125	8.56e3	80.6	NO
8	8 13C7-PFUDa	B8C0111-BLK1 Method Blank 0.125	1.05e4	90.2	NO

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-IIS AREAS.qld

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**Name: 180320M2\_6, Date: 20-Mar-2018, Time: 16:56:00, ID: 1800356-01RE1 WI-AF-SB-FB-022018 0.10978, Description: WI-AF-SB-FB-022018**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-01RE1 WI-AF-SB-FB-022018 ...	6.41e3	127.8	NO
2	2 13C5-PFHxA	1800356-01RE1 WI-AF-SB-FB-022018 ...	9.45e3	93.0	NO
3	3 13C3-PFHxS	1800356-01RE1 WI-AF-SB-FB-022018 ...	2.32e3	113.3	NO
4	4 13C8-PFOA	1800356-01RE1 WI-AF-SB-FB-022018 ...	1.03e4	93.3	NO
5	5 13C9-PFNA	1800356-01RE1 WI-AF-SB-FB-022018 ...	1.14e4	103.9	NO
6	6 13C4-PFOS	1800356-01RE1 WI-AF-SB-FB-022018 ...	2.17e3	102.9	NO
7	7 13C6-PFDA	1800356-01RE1 WI-AF-SB-FB-022018 ...	9.22e3	86.7	NO
8	8 13C7-PFUDa	1800356-01RE1 WI-AF-SB-FB-022018 ...	1.17e4	100.5	NO

**Name: 180320M2\_7, Date: 20-Mar-2018, Time: 17:07:27, ID: 1800356-02RE1 WI-AF-EB11-SO-0218 0.11714, Description: WI-AF-EB11-SO-0218**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800356-02RE1 WI-AF-EB11-SO-0218 ...	6.04e3	120.4	NO
2	2 13C5-PFHxA	1800356-02RE1 WI-AF-EB11-SO-0218 ...	8.62e3	84.8	NO
3	3 13C3-PFHxS	1800356-02RE1 WI-AF-EB11-SO-0218 ...	2.03e3	98.9	NO
4	4 13C8-PFOA	1800356-02RE1 WI-AF-EB11-SO-0218 ...	9.61e3	87.3	NO
5	5 13C9-PFNA	1800356-02RE1 WI-AF-EB11-SO-0218 ...	9.85e3	89.5	NO
6	6 13C4-PFOS	1800356-02RE1 WI-AF-EB11-SO-0218 ...	2.01e3	95.3	NO
7	7 13C6-PFDA	1800356-02RE1 WI-AF-EB11-SO-0218 ...	8.98e3	84.5	NO
8	8 13C7-PFUDa	1800356-02RE1 WI-AF-EB11-SO-0218 ...	1.12e4	95.7	NO

**Name: 180320M2\_8, Date: 20-Mar-2018, Time: 17:18:53, ID: 1800429-11RE1 REEPDW220FRB 0.1235, Description: REEPDW220FRB**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800429-11RE1 REEPDW220FRB 0.1...	5.54e3	110.4	NO
2	2 13C5-PFHxA	1800429-11RE1 REEPDW220FRB 0.1...	7.49e3	73.7	NO
3	3 13C3-PFHxS	1800429-11RE1 REEPDW220FRB 0.1...	1.67e3	81.3	NO
4	4 13C8-PFOA	1800429-11RE1 REEPDW220FRB 0.1...	7.74e3	70.3	NO
5	5 13C9-PFNA	1800429-11RE1 REEPDW220FRB 0.1...	7.94e3	72.2	NO
6	6 13C4-PFOS	1800429-11RE1 REEPDW220FRB 0.1...	1.54e3	72.8	NO
7	7 13C6-PFDA	1800429-11RE1 REEPDW220FRB 0.1...	7.47e3	70.3	NO
8	8 13C7-PFUDa	1800429-11RE1 REEPDW220FRB 0.1...	7.66e3	65.7	NO

**Name: 180320M2\_9, Date: 20-Mar-2018, Time: 17:30:23, ID: 1800431-01RE1 REEPDW221 0.12449, Description: REEPDW221**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-01RE1 REEPDW221 0.12449	5.60e3	111.7	NO
2	2 13C5-PFHxA	1800431-01RE1 REEPDW221 0.12449	7.11e3	70.0	NO
3	3 13C3-PFHxS	1800431-01RE1 REEPDW221 0.12449	1.84e3	90.0	NO
4	4 13C8-PFOA	1800431-01RE1 REEPDW221 0.12449	7.32e3	66.6	NO
5	5 13C9-PFNA	1800431-01RE1 REEPDW221 0.12449	9.14e3	83.1	NO
6	6 13C4-PFOS	1800431-01RE1 REEPDW221 0.12449	1.96e3	92.8	NO
7	7 13C6-PFDA	1800431-01RE1 REEPDW221 0.12449	7.12e3	67.0	NO
8	8 13C7-PFUDa	1800431-01RE1 REEPDW221 0.12449	9.07e3	77.8	NO

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**Name: 180320M2\_10, Date: 20-Mar-2018, Time: 17:41:54, ID: 1800431-02RE1 REEPDW222 0.11918, Description: REEPDW222**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-02RE1 REEPDW222 0.11918	5.07e3	101.1	NO
2	2 13C5-PFHxA	1800431-02RE1 REEPDW222 0.11918	6.72e3	66.1	NO
3	3 13C3-PFHxS	1800431-02RE1 REEPDW222 0.11918	1.71e3	83.6	NO
4	4 13C8-PFOA	1800431-02RE1 REEPDW222 0.11918	7.50e3	68.1	NO
5	5 13C9-PFNA	1800431-02RE1 REEPDW222 0.11918	8.23e3	74.8	NO
6	6 13C4-PFOS	1800431-02RE1 REEPDW222 0.11918	1.69e3	80.1	NO
7	7 13C6-PFDA	1800431-02RE1 REEPDW222 0.11918	6.12e3	57.6	NO
8	8 13C7-PFUDa	1800431-02RE1 REEPDW222 0.11918	8.07e3	69.2	NO

**Name: 180320M2\_11, Date: 20-Mar-2018, Time: 17:53:20, ID: 1800431-03RE1 REEPDW226 0.12276, Description: REEPDW226**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-03RE1 REEPDW226 0.12276	4.40e3	87.6	NO
2	2 13C5-PFHxA	1800431-03RE1 REEPDW226 0.12276	6.39e3	62.9	NO
3	3 13C3-PFHxS	1800431-03RE1 REEPDW226 0.12276	1.83e3	89.4	NO
4	4 13C8-PFOA	1800431-03RE1 REEPDW226 0.12276	7.30e3	66.3	NO
5	5 13C9-PFNA	1800431-03RE1 REEPDW226 0.12276	7.44e3	67.7	NO
6	6 13C4-PFOS	1800431-03RE1 REEPDW226 0.12276	1.81e3	85.8	NO
7	7 13C6-PFDA	1800431-03RE1 REEPDW226 0.12276	6.54e3	61.5	NO
8	8 13C7-PFUDa	1800431-03RE1 REEPDW226 0.12276	8.38e3	71.9	NO

**Name: 180320M2\_12, Date: 20-Mar-2018, Time: 18:04:50, ID: 1800431-04RE1 REEPDW228 0.12442, Description: REEPDW228**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-04RE1 REEPDW228 0.12442	5.15e3	102.7	NO
2	2 13C5-PFHxA	1800431-04RE1 REEPDW228 0.12442	6.72e3	66.1	NO
3	3 13C3-PFHxS	1800431-04RE1 REEPDW228 0.12442	1.82e3	88.8	NO
4	4 13C8-PFOA	1800431-04RE1 REEPDW228 0.12442	8.31e3	75.5	NO
5	5 13C9-PFNA	1800431-04RE1 REEPDW228 0.12442	8.83e3	80.2	NO
6	6 13C4-PFOS	1800431-04RE1 REEPDW228 0.12442	1.80e3	85.4	NO
7	7 13C6-PFDA	1800431-04RE1 REEPDW228 0.12442	7.59e3	71.5	NO
8	8 13C7-PFUDa	1800431-04RE1 REEPDW228 0.12442	9.35e3	80.2	NO

**Name: 180320M2\_13, Date: 20-Mar-2018, Time: 18:16:11, ID: 1800431-05RE1 REEPDW223 0.11856, Description: REEPDW223**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-05RE1 REEPDW223 0.11856	4.46e3	88.8	NO
2	2 13C5-PFHxA	1800431-05RE1 REEPDW223 0.11856	5.73e3	56.3	NO
3	3 13C3-PFHxS	1800431-05RE1 REEPDW223 0.11856	1.89e3	92.3	NO
4	4 13C8-PFOA	1800431-05RE1 REEPDW223 0.11856	6.25e3	56.8	NO
5	5 13C9-PFNA	1800431-05RE1 REEPDW223 0.11856	7.01e3	63.8	NO
6	6 13C4-PFOS	1800431-05RE1 REEPDW223 0.11856	2.01e3	95.3	NO
7	7 13C6-PFDA	1800431-05RE1 REEPDW223 0.11856	6.35e3	59.7	NO
8	8 13C7-PFUDa	1800431-05RE1 REEPDW223 0.11856	8.14e3	69.8	NO



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**Name: 180320M2\_14, Date: 20-Mar-2018, Time: 18:27:38, ID: 1800431-06RE1 REEPDW224 0.11671, Description: REEPDW224**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-06RE1 REEPDW224 0.11671	3.97e3	79.2	NO
2	2 13C5-PFHxA	1800431-06RE1 REEPDW224 0.11671	4.96e3	48.8	YES
3	3 13C3-PFHxS	1800431-06RE1 REEPDW224 0.11671	1.87e3	91.2	NO
4	4 13C8-PFOA	1800431-06RE1 REEPDW224 0.11671	6.26e3	56.9	NO
5	5 13C9-PFNA	1800431-06RE1 REEPDW224 0.11671	7.40e3	67.3	NO
6	6 13C4-PFOS	1800431-06RE1 REEPDW224 0.11671	2.02e3	95.5	NO
7	7 13C6-PFDA	1800431-06RE1 REEPDW224 0.11671	5.82e3	54.7	NO
8	8 13C7-PFUDa	1800431-06RE1 REEPDW224 0.11671	7.35e3	63.0	NO

**Name: 180320M2\_15, Date: 20-Mar-2018, Time: 18:39:05, ID: 1800431-07RE1 REEPDW225 0.11648, Description: REEPDW225**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-07RE1 REEPDW225 0.11648	3.66e3	73.0	NO
2	2 13C5-PFHxA	1800431-07RE1 REEPDW225 0.11648	4.97e3	48.9	YES
3	3 13C3-PFHxS	1800431-07RE1 REEPDW225 0.11648	1.95e3	95.3	NO
4	4 13C8-PFOA	1800431-07RE1 REEPDW225 0.11648	5.43e3	49.3	YES
5	5 13C9-PFNA	1800431-07RE1 REEPDW225 0.11648	6.68e3	60.8	NO
6	6 13C4-PFOS	1800431-07RE1 REEPDW225 0.11648	2.07e3	97.8	NO
7	7 13C6-PFDA	1800431-07RE1 REEPDW225 0.11648	5.39e3	50.8	NO
8	8 13C7-PFUDa	1800431-07RE1 REEPDW225 0.11648	6.89e3	59.1	NO

**Name: 180320M2\_16, Date: 20-Mar-2018, Time: 18:50:35, ID: 1800431-08RE1 REEPDW227 0.1067, Description: REEPDW227**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800431-08RE1 REEPDW227 0.1067	2.03e3	40.5	YES
2	2 13C5-PFHxA	1800431-08RE1 REEPDW227 0.1067	2.90e3	28.6	YES
3	3 13C3-PFHxS	1800431-08RE1 REEPDW227 0.1067	1.79e3	87.5	NO
4	4 13C8-PFOA	1800431-08RE1 REEPDW227 0.1067	3.55e3	32.3	YES
5	5 13C9-PFNA	1800431-08RE1 REEPDW227 0.1067	5.08e3	46.2	YES
6	6 13C4-PFOS	1800431-08RE1 REEPDW227 0.1067	1.78e3	84.0	NO
7	7 13C6-PFDA	1800431-08RE1 REEPDW227 0.1067	3.77e3	35.5	YES
8	8 13C7-PFUDa	1800431-08RE1 REEPDW227 0.1067	5.08e3	43.6	YES

**Name: 180320M2\_17, Date: 20-Mar-2018, Time: 19:02:04, ID: B8C0088-MSD1 Matrix Spike Dup 0.12524, Description: Matrix Spike Dup**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0088-MSD1 Matrix Spike Dup 0.125...	6.56e3	130.7	NO
2	2 13C5-PFHxA	B8C0088-MSD1 Matrix Spike Dup 0.125...	8.19e3	80.6	NO
3	3 13C3-PFHxS	B8C0088-MSD1 Matrix Spike Dup 0.125...	2.06e3	100.6	NO
4	4 13C8-PFOA	B8C0088-MSD1 Matrix Spike Dup 0.125...	9.54e3	86.7	NO
5	5 13C9-PFNA	B8C0088-MSD1 Matrix Spike Dup 0.125...	1.02e4	92.3	NO
6	6 13C4-PFOS	B8C0088-MSD1 Matrix Spike Dup 0.125...	2.02e3	95.3	NO
7	7 13C6-PFDA	B8C0088-MSD1 Matrix Spike Dup 0.125...	7.90e3	74.3	NO
8	8 13C7-PFUDa	B8C0088-MSD1 Matrix Spike Dup 0.125...	1.04e4	89.2	NO

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**Name: 180320M2\_18, Date: 20-Mar-2018, Time: 19:13:34, ID: B8C0088-MS1 Matrix Spike 0.12588, Description: Matrix Spike**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0088-MS1 Matrix Spike 0.12588	6.50e3	129.6	NO
2	2 13C5-PFHxA	B8C0088-MS1 Matrix Spike 0.12588	8.72e3	85.8	NO
3	3 13C3-PFHxS	B8C0088-MS1 Matrix Spike 0.12588	2.36e3	114.9	NO
4	4 13C8-PFOA	B8C0088-MS1 Matrix Spike 0.12588	8.98e3	81.6	NO
5	5 13C9-PFNA	B8C0088-MS1 Matrix Spike 0.12588	1.01e4	91.6	NO
6	6 13C4-PFOS	B8C0088-MS1 Matrix Spike 0.12588	2.37e3	112.1	NO
7	7 13C6-PFDA	B8C0088-MS1 Matrix Spike 0.12588	8.19e3	77.1	NO
8	8 13C7-PFUDa	B8C0088-MS1 Matrix Spike 0.12588	1.06e4	90.5	NO

**Name: 180320M2\_19, Date: 20-Mar-2018, Time: 19:25:03, ID: B8C0088-BS1 OPR 0.125, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0088-BS1 OPR 0.125	8.27e3	164.8	YES
2	2 13C5-PFHxA	B8C0088-BS1 OPR 0.125	1.03e4	101.2	NO
3	3 13C3-PFHxS	B8C0088-BS1 OPR 0.125	2.59e3	126.5	NO
4	4 13C8-PFOA	B8C0088-BS1 OPR 0.125	1.21e4	109.9	NO
5	5 13C9-PFNA	B8C0088-BS1 OPR 0.125	1.26e4	114.1	NO
6	6 13C4-PFOS	B8C0088-BS1 OPR 0.125	2.71e3	128.2	NO
7	7 13C6-PFDA	B8C0088-BS1 OPR 0.125	8.88e3	83.6	NO
8	8 13C7-PFUDa	B8C0088-BS1 OPR 0.125	1.34e4	114.6	NO

**Name: 180320M2\_20, Date: 20-Mar-2018, Time: 19:36:33, ID: B8C0088-BLK1 Method Blank 0.125, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0088-BLK1 Method Blank 0.125	7.97e3	158.9	YES
2	2 13C5-PFHxA	B8C0088-BLK1 Method Blank 0.125	1.08e4	106.7	NO
3	3 13C3-PFHxS	B8C0088-BLK1 Method Blank 0.125	2.07e3	100.8	NO
4	4 13C8-PFOA	B8C0088-BLK1 Method Blank 0.125	1.17e4	106.0	NO
5	5 13C9-PFNA	B8C0088-BLK1 Method Blank 0.125	1.29e4	117.7	NO
6	6 13C4-PFOS	B8C0088-BLK1 Method Blank 0.125	2.64e3	125.1	NO
7	7 13C6-PFDA	B8C0088-BLK1 Method Blank 0.125	9.73e3	91.6	NO
8	8 13C7-PFUDa	B8C0088-BLK1 Method Blank 0.125	1.30e4	111.8	NO

**Name: 180320M2\_21, Date: 20-Mar-2018, Time: 19:48:00, ID: 1800428-01RE1 REEPDW210 0.12153, Description: REEPDW210**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-01RE1 REEPDW210 0.12153	7.59e3	151.2	YES
2	2 13C5-PFHxA	1800428-01RE1 REEPDW210 0.12153	9.58e3	94.3	NO
3	3 13C3-PFHxS	1800428-01RE1 REEPDW210 0.12153	2.52e3	122.8	NO
4	4 13C8-PFOA	1800428-01RE1 REEPDW210 0.12153	9.58e3	87.1	NO
5	5 13C9-PFNA	1800428-01RE1 REEPDW210 0.12153	8.84e3	80.4	NO
6	6 13C4-PFOS	1800428-01RE1 REEPDW210 0.12153	2.44e3	115.3	NO
7	7 13C6-PFDA	1800428-01RE1 REEPDW210 0.12153	8.04e3	75.7	NO
8	8 13C7-PFUDa	1800428-01RE1 REEPDW210 0.12153	1.02e4	87.2	NO

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**Name: 180320M2\_22, Date: 20-Mar-2018, Time: 19:59:27, ID: 1800428-02RE1 REEPDW211 0.12345, Description: REEPDW211**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-02RE1 REEPDW211 0.12345	6.12e3	122.0	NO
2	2 13C5-PFHxA	1800428-02RE1 REEPDW211 0.12345	8.53e3	83.9	NO
3	3 13C3-PFHxS	1800428-02RE1 REEPDW211 0.12345	2.43e3	118.6	NO
4	4 13C8-PFOA	1800428-02RE1 REEPDW211 0.12345	1.07e4	97.1	NO
5	5 13C9-PFNA	1800428-02RE1 REEPDW211 0.12345	1.20e4	109.5	NO
6	6 13C4-PFOS	1800428-02RE1 REEPDW211 0.12345	2.66e3	126.0	NO
7	7 13C6-PFDA	1800428-02RE1 REEPDW211 0.12345	8.96e3	84.3	NO
8	8 13C7-PFUDa	1800428-02RE1 REEPDW211 0.12345	1.10e4	94.7	NO

**Name: 180320M2\_23, Date: 20-Mar-2018, Time: 20:10:56, 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: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-2 PFC CS3 18C1208	5.60e3	111.6	NO
2	2 13C5-PFHxA	ST180320M2-2 PFC CS3 18C1208	1.02e4	100.2	NO
3	3 13C3-PFHxS	ST180320M2-2 PFC CS3 18C1208	2.34e3	114.1	NO
4	4 13C8-PFOA	ST180320M2-2 PFC CS3 18C1208	1.14e4	103.4	NO
5	5 13C9-PFNA	ST180320M2-2 PFC CS3 18C1208	1.21e4	109.8	NO
6	6 13C4-PFOS	ST180320M2-2 PFC CS3 18C1208	2.36e3	111.6	NO
7	7 13C6-PFDA	ST180320M2-2 PFC CS3 18C1208	8.29e3	78.0	NO
8	8 13C7-PFUDa	ST180320M2-2 PFC CS3 18C1208	1.13e4	97.3	NO

**Name: 180320M2\_25, Date: 20-Mar-2018, Time: 20:33:53, 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: 180320M2\_26, Date: 20-Mar-2018, Time: 20:45:24, ID: 1800428-03RE1 REEPDW212 0.11944, Description: REEPDW212**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-03RE1 REEPDW212 0.11944	6.82e3	136.0	NO
2	2 13C5-PFHxA	1800428-03RE1 REEPDW212 0.11944	9.42e3	92.7	NO
3	3 13C3-PFHxS	1800428-03RE1 REEPDW212 0.11944	2.25e3	109.6	NO
4	4 13C8-PFOA	1800428-03RE1 REEPDW212 0.11944	9.64e3	87.6	NO
5	5 13C9-PFNA	1800428-03RE1 REEPDW212 0.11944	9.96e3	90.5	NO
6	6 13C4-PFOS	1800428-03RE1 REEPDW212 0.11944	2.28e3	107.8	NO
7	7 13C6-PFDA	1800428-03RE1 REEPDW212 0.11944	8.31e3	78.2	NO
8	8 13C7-PFUDa	1800428-03RE1 REEPDW212 0.11944	9.78e3	83.9	NO

**Name: 180320M2\_27, Date: 20-Mar-2018, Time: 20:56:53, ID: 1800428-04RE1 REEPDW519 0.12061, Description: REEPDW519**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-04RE1 REEPDW519 0.12061	7.03e3	140.0	NO
2	2 13C5-PFHxA	1800428-04RE1 REEPDW519 0.12061	8.90e3	87.6	NO
3	3 13C3-PFHxS	1800428-04RE1 REEPDW519 0.12061	2.34e3	114.2	NO
4	4 13C8-PFOA	1800428-04RE1 REEPDW519 0.12061	9.44e3	85.8	NO
5	5 13C9-PFNA	1800428-04RE1 REEPDW519 0.12061	1.08e4	98.6	NO
6	6 13C4-PFOS	1800428-04RE1 REEPDW519 0.12061	2.39e3	113.1	NO
7	7 13C6-PFDA	1800428-04RE1 REEPDW519 0.12061	7.90e3	74.3	NO
8	8 13C7-PFUDa	1800428-04RE1 REEPDW519 0.12061	1.12e4	96.4	NO

**Name: 180320M2\_28, Date: 20-Mar-2018, Time: 21:08:23, ID: 1800428-05RE1 REEPDW213 0.12452, Description: REEPDW213**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-05RE1 REEPDW213 0.12452	6.37e3	127.0	NO
2	2 13C5-PFHxA	1800428-05RE1 REEPDW213 0.12452	8.28e3	81.4	NO
3	3 13C3-PFHxS	1800428-05RE1 REEPDW213 0.12452	2.05e3	100.1	NO
4	4 13C8-PFOA	1800428-05RE1 REEPDW213 0.12452	9.21e3	83.7	NO
5	5 13C9-PFNA	1800428-05RE1 REEPDW213 0.12452	9.95e3	90.4	NO
6	6 13C4-PFOS	1800428-05RE1 REEPDW213 0.12452	1.98e3	93.9	NO
7	7 13C6-PFDA	1800428-05RE1 REEPDW213 0.12452	6.95e3	65.4	NO
8	8 13C7-PFUDa	1800428-05RE1 REEPDW213 0.12452	9.27e3	79.5	NO

**Name: 180320M2\_29, Date: 20-Mar-2018, Time: 21:19:52, ID: 1800428-06RE1 REEPDW214 0.11992, Description: REEPDW214**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-06RE1 REEPDW214 0.11992	6.57e3	130.9	NO
2	2 13C5-PFHxA	1800428-06RE1 REEPDW214 0.11992	8.31e3	81.8	NO
3	3 13C3-PFHxS	1800428-06RE1 REEPDW214 0.11992	2.39e3	116.4	NO
4	4 13C8-PFOA	1800428-06RE1 REEPDW214 0.11992	9.37e3	85.2	NO
5	5 13C9-PFNA	1800428-06RE1 REEPDW214 0.11992	1.02e4	92.8	NO
6	6 13C4-PFOS	1800428-06RE1 REEPDW214 0.11992	2.47e3	117.1	NO
7	7 13C6-PFDA	1800428-06RE1 REEPDW214 0.11992	7.55e3	71.1	NO
8	8 13C7-PFUDa	1800428-06RE1 REEPDW214 0.11992	1.03e4	88.4	NO

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**Name: 180320M2\_30, Date: 20-Mar-2018, Time: 21:31:22, ID: 1800428-07RE1 REEPDW215 0.12107, Description: REEPDW215**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-07RE1 REEPDW215 0.12107	7.25e3	144.4	NO
2	2 13C5-PFHxA	1800428-07RE1 REEPDW215 0.12107	1.01e4	99.2	NO
3	3 13C3-PFHxS	1800428-07RE1 REEPDW215 0.12107	2.49e3	121.5	NO
4	4 13C8-PFOA	1800428-07RE1 REEPDW215 0.12107	1.09e4	98.9	NO
5	5 13C9-PFNA	1800428-07RE1 REEPDW215 0.12107	1.26e4	114.4	NO
6	6 13C4-PFOS	1800428-07RE1 REEPDW215 0.12107	2.46e3	116.6	NO
7	7 13C6-PFDA	1800428-07RE1 REEPDW215 0.12107	9.25e3	87.1	NO
8	8 13C7-PFUDa	1800428-07RE1 REEPDW215 0.12107	1.10e4	94.7	NO

**Name: 180320M2\_31, Date: 20-Mar-2018, Time: 21:42:49, ID: 1800428-08RE1 REEPDW216 0.12021, Description: REEPDW216**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-08RE1 REEPDW216 0.12021	6.86e3	136.7	NO
2	2 13C5-PFHxA	1800428-08RE1 REEPDW216 0.12021	9.06e3	89.1	NO
3	3 13C3-PFHxS	1800428-08RE1 REEPDW216 0.12021	2.31e3	112.5	NO
4	4 13C8-PFOA	1800428-08RE1 REEPDW216 0.12021	9.20e3	83.6	NO
5	5 13C9-PFNA	1800428-08RE1 REEPDW216 0.12021	1.01e4	91.4	NO
6	6 13C4-PFOS	1800428-08RE1 REEPDW216 0.12021	2.60e3	122.9	NO
7	7 13C6-PFDA	1800428-08RE1 REEPDW216 0.12021	8.67e3	81.6	NO
8	8 13C7-PFUDa	1800428-08RE1 REEPDW216 0.12021	1.07e4	92.1	NO

**Name: 180320M2\_32, Date: 20-Mar-2018, Time: 21:54:16, ID: 1800428-09RE1 REEPDW217 0.12329, Description: REEPDW217**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-09RE1 REEPDW217 0.12329	7.75e3	154.5	YES
2	2 13C5-PFHxA	1800428-09RE1 REEPDW217 0.12329	9.88e3	97.3	NO
3	3 13C3-PFHxS	1800428-09RE1 REEPDW217 0.12329	2.62e3	127.9	NO
4	4 13C8-PFOA	1800428-09RE1 REEPDW217 0.12329	1.02e4	92.6	NO
5	5 13C9-PFNA	1800428-09RE1 REEPDW217 0.12329	1.09e4	99.4	NO
6	6 13C4-PFOS	1800428-09RE1 REEPDW217 0.12329	2.43e3	114.8	NO
7	7 13C6-PFDA	1800428-09RE1 REEPDW217 0.12329	9.24e3	87.0	NO
8	8 13C7-PFUDa	1800428-09RE1 REEPDW217 0.12329	9.11e3	78.2	NO

**Name: 180320M2\_33, Date: 20-Mar-2018, Time: 22:05:43, ID: 1800428-10RE1 REEPDW218 0.12145, Description: REEPDW218**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-10RE1 REEPDW218 0.12145	7.06e3	140.7	NO
2	2 13C5-PFHxA	1800428-10RE1 REEPDW218 0.12145	8.86e3	87.2	NO
3	3 13C3-PFHxS	1800428-10RE1 REEPDW218 0.12145	2.07e3	101.1	NO
4	4 13C8-PFOA	1800428-10RE1 REEPDW218 0.12145	1.04e4	94.2	NO
5	5 13C9-PFNA	1800428-10RE1 REEPDW218 0.12145	1.13e4	102.4	NO
6	6 13C4-PFOS	1800428-10RE1 REEPDW218 0.12145	2.02e3	95.5	NO
7	7 13C6-PFDA	1800428-10RE1 REEPDW218 0.12145	7.17e3	67.5	NO
8	8 13C7-PFUDa	1800428-10RE1 REEPDW218 0.12145	9.68e3	83.0	NO

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**Name: 180320M2\_34, Date: 20-Mar-2018, Time: 22:17:10, ID: 1800428-11RE1 REEPDW219 0.11637, Description: REEPDW219**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-11RE1 REEPDW219 0.11637	5.85e3	116.6	NO
2	2 13C5-PFHxA	1800428-11RE1 REEPDW219 0.11637	7.29e3	71.7	NO
3	3 13C3-PFHxS	1800428-11RE1 REEPDW219 0.11637	2.49e3	121.4	NO
4	4 13C8-PFOA	1800428-11RE1 REEPDW219 0.11637	7.24e3	65.8	NO
5	5 13C9-PFNA	1800428-11RE1 REEPDW219 0.11637	8.66e3	78.7	NO
6	6 13C4-PFOS	1800428-11RE1 REEPDW219 0.11637	2.77e3	131.0	NO
7	7 13C6-PFDA	1800428-11RE1 REEPDW219 0.11637	6.93e3	65.2	NO
8	8 13C7-PFUDa	1800428-11RE1 REEPDW219 0.11637	8.91e3	76.4	NO

**Name: 180320M2\_35, Date: 20-Mar-2018, Time: 22:28:39, ID: 1800428-12RE1 REEPDW220 0.12207, Description: REEPDW220**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-12RE1 REEPDW220 0.12207	1.06e4	210.5	YES
2	2 13C5-PFHxA	1800428-12RE1 REEPDW220 0.12207	1.33e4	131.1	NO
3	3 13C3-PFHxS	1800428-12RE1 REEPDW220 0.12207	3.48e3	169.8	YES
4	4 13C8-PFOA	1800428-12RE1 REEPDW220 0.12207	1.54e4	140.1	NO
5	5 13C9-PFNA	1800428-12RE1 REEPDW220 0.12207	1.56e4	142.2	NO
6	6 13C4-PFOS	1800428-12RE1 REEPDW220 0.12207	3.44e3	162.8	YES
7	7 13C6-PFDA	1800428-12RE1 REEPDW220 0.12207	1.29e4	121.8	NO
8	8 13C7-PFUDa	1800428-12RE1 REEPDW220 0.12207	1.52e4	130.3	NO

**Name: 180320M2\_36, Date: 20-Mar-2018, Time: 22:40:07, 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

**Name: 180320M2\_37, Date: 20-Mar-2018, Time: 22:51:34, ID: ST180320M2-3 PFC CS3 18C1208, Description: PFC CS3 18C1208**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-3 PFC CS3 18C1208	6.33e3	126.2	NO
2	2 13C5-PFHxA	ST180320M2-3 PFC CS3 18C1208	1.09e4	107.3	NO
3	3 13C3-PFHxS	ST180320M2-3 PFC CS3 18C1208	2.47e3	120.6	NO
4	4 13C8-PFOA	ST180320M2-3 PFC CS3 18C1208	1.19e4	108.0	NO
5	5 13C9-PFNA	ST180320M2-3 PFC CS3 18C1208	1.23e4	111.6	NO
6	6 13C4-PFOS	ST180320M2-3 PFC CS3 18C1208	2.35e3	111.1	NO
7	7 13C6-PFDA	ST180320M2-3 PFC CS3 18C1208	8.84e3	83.2	NO
8	8 13C7-PFUDa	ST180320M2-3 PFC CS3 18C1208	1.06e4	91.3	NO

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**Name: 180320M2\_38, Date: 20-Mar-2018, Time: 23:03:04, 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: 180320M2\_39, Date: 20-Mar-2018, Time: 23:14:33, ID: 1800428-13RE1 REEPDW520 0.12175, Description: REEPDW520**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800428-13RE1 REEPDW520 0.12175	6.67e3	133.0	NO
2	2 13C5-PFHxA	1800428-13RE1 REEPDW520 0.12175	8.12e3	79.9	NO
3	3 13C3-PFHxS	1800428-13RE1 REEPDW520 0.12175	2.08e3	101.3	NO
4	4 13C8-PFOA	1800428-13RE1 REEPDW520 0.12175	8.88e3	80.7	NO
5	5 13C9-PFNA	1800428-13RE1 REEPDW520 0.12175	9.09e3	82.6	NO
6	6 13C4-PFOS	1800428-13RE1 REEPDW520 0.12175	2.59e3	122.8	NO
7	7 13C6-PFDA	1800428-13RE1 REEPDW520 0.12175	7.38e3	69.4	NO
8	8 13C7-PFUDa	1800428-13RE1 REEPDW520 0.12175	1.03e4	88.6	NO

**Name: 180320M2\_40, Date: 20-Mar-2018, Time: 23:26:02, ID: 1800438-01RE1 REEPDW229FRB 0.11988, Description: REEPDW229FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-01RE1 REEPDW229FRB 0.1...	7.05e3	140.4	NO
2	2 13C5-PFHxA	1800438-01RE1 REEPDW229FRB 0.1...	9.43e3	92.8	NO
3	3 13C3-PFHxS	1800438-01RE1 REEPDW229FRB 0.1...	2.26e3	110.2	NO
4	4 13C8-PFOA	1800438-01RE1 REEPDW229FRB 0.1...	1.00e4	91.2	NO
5	5 13C9-PFNA	1800438-01RE1 REEPDW229FRB 0.1...	1.02e4	92.7	NO
6	6 13C4-PFOS	1800438-01RE1 REEPDW229FRB 0.1...	2.17e3	102.5	NO
7	7 13C6-PFDA	1800438-01RE1 REEPDW229FRB 0.1...	7.37e3	69.4	NO
8	8 13C7-PFUDa	1800438-01RE1 REEPDW229FRB 0.1...	1.13e4	97.2	NO

**Name: 180320M2\_41, Date: 20-Mar-2018, Time: 23:37:32, ID: 1800438-02RE1 REEPDW230FRB 0.12349, Description: REEPDW230FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-02RE1 REEPDW230FRB 0.1...	7.42e3	147.8	NO
2	2 13C5-PFHxA	1800438-02RE1 REEPDW230FRB 0.1...	9.71e3	95.5	NO
3	3 13C3-PFHxS	1800438-02RE1 REEPDW230FRB 0.1...	2.19e3	106.6	NO
4	4 13C8-PFOA	1800438-02RE1 REEPDW230FRB 0.1...	9.67e3	87.9	NO
5	5 13C9-PFNA	1800438-02RE1 REEPDW230FRB 0.1...	1.10e4	100.1	NO
6	6 13C4-PFOS	1800438-02RE1 REEPDW230FRB 0.1...	2.36e3	111.5	NO
7	7 13C6-PFDA	1800438-02RE1 REEPDW230FRB 0.1...	8.64e3	81.3	NO
8	8 13C7-PFUDa	1800438-02RE1 REEPDW230FRB 0.1...	1.11e4	95.2	NO

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**Name: 180320M2\_42, Date: 20-Mar-2018, Time: 23:49:02, ID: 1800438-03RE1 REEPDW231FRB 0.12317,**  
**Description: REEPDW231FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-03RE1 REEPDW231FRB 0.1...	7.74e3	154.2	YES
2	2 13C5-PFHxA	1800438-03RE1 REEPDW231FRB 0.1...	9.90e3	97.4	NO
3	3 13C3-PFHxS	1800438-03RE1 REEPDW231FRB 0.1...	2.18e3	106.5	NO
4	4 13C8-PFOA	1800438-03RE1 REEPDW231FRB 0.1...	1.08e4	98.5	NO
5	5 13C9-PFNA	1800438-03RE1 REEPDW231FRB 0.1...	1.39e4	126.3	NO
6	6 13C4-PFOS	1800438-03RE1 REEPDW231FRB 0.1...	2.43e3	115.1	NO
7	7 13C6-PFDA	1800438-03RE1 REEPDW231FRB 0.1...	9.21e3	86.7	NO
8	8 13C7-PFUDa	1800438-03RE1 REEPDW231FRB 0.1...	1.26e4	107.9	NO

**Name: 180320M2\_43, Date: 21-Mar-2018, Time: 00:00:31, ID: 1800438-04RE1 REEPDW235FRB 0.12052,**  
**Description: REEPDW235FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-04RE1 REEPDW235FRB 0.1...	6.58e3	131.2	NO
2	2 13C5-PFHxA	1800438-04RE1 REEPDW235FRB 0.1...	8.54e3	84.0	NO
3	3 13C3-PFHxS	1800438-04RE1 REEPDW235FRB 0.1...	2.06e3	100.4	NO
4	4 13C8-PFOA	1800438-04RE1 REEPDW235FRB 0.1...	1.02e4	92.3	NO
5	5 13C9-PFNA	1800438-04RE1 REEPDW235FRB 0.1...	9.87e3	89.7	NO
6	6 13C4-PFOS	1800438-04RE1 REEPDW235FRB 0.1...	1.97e3	93.2	NO
7	7 13C6-PFDA	1800438-04RE1 REEPDW235FRB 0.1...	7.13e3	67.1	NO
8	8 13C7-PFUDa	1800438-04RE1 REEPDW235FRB 0.1...	7.91e3	67.8	NO

**Name: 180320M2\_44, Date: 21-Mar-2018, Time: 00:12:01, ID: 1800438-05RE1 REEPDW232FRB 0.12556,**  
**Description: REEPDW232FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-05RE1 REEPDW232FRB 0.1...	6.14e3	122.5	NO
2	2 13C5-PFHxA	1800438-05RE1 REEPDW232FRB 0.1...	7.88e3	77.5	NO
3	3 13C3-PFHxS	1800438-05RE1 REEPDW232FRB 0.1...	2.13e3	104.0	NO
4	4 13C8-PFOA	1800438-05RE1 REEPDW232FRB 0.1...	8.61e3	78.3	NO
5	5 13C9-PFNA	1800438-05RE1 REEPDW232FRB 0.1...	9.74e3	88.6	NO
6	6 13C4-PFOS	1800438-05RE1 REEPDW232FRB 0.1...	1.97e3	93.2	NO
7	7 13C6-PFDA	1800438-05RE1 REEPDW232FRB 0.1...	7.50e3	70.6	NO
8	8 13C7-PFUDa	1800438-05RE1 REEPDW232FRB 0.1...	8.99e3	77.1	NO

**Name: 180320M2\_45, Date: 21-Mar-2018, Time: 00:23:31, ID: 1800438-06RE1 REEPDW233FRB 0.12276,**  
**Description: REEPDW233FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-06RE1 REEPDW233FRB 0.1...	5.94e3	118.4	NO
2	2 13C5-PFHxA	1800438-06RE1 REEPDW233FRB 0.1...	8.08e3	79.5	NO
3	3 13C3-PFHxS	1800438-06RE1 REEPDW233FRB 0.1...	1.93e3	94.0	NO
4	4 13C8-PFOA	1800438-06RE1 REEPDW233FRB 0.1...	9.00e3	81.8	NO
5	5 13C9-PFNA	1800438-06RE1 REEPDW233FRB 0.1...	9.24e3	84.0	NO
6	6 13C4-PFOS	1800438-06RE1 REEPDW233FRB 0.1...	1.82e3	86.3	NO
7	7 13C6-PFDA	1800438-06RE1 REEPDW233FRB 0.1...	6.73e3	63.4	NO
8	8 13C7-PFUDa	1800438-06RE1 REEPDW233FRB 0.1...	8.44e3	72.3	NO



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**Name: 180320M2\_46, Date: 21-Mar-2018, Time: 00:35:01, ID: 1800438-07RE1 REEPDW234FRB 0.11745, Description: REEPDW234FRB**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800438-07RE1 REEPDW234FRB 0.1...	6.30e3	125.5	NO
2	2 13C5-PFHxA	1800438-07RE1 REEPDW234FRB 0.1...	8.24e3	81.0	NO
3	3 13C3-PFHxS	1800438-07RE1 REEPDW234FRB 0.1...	2.03e3	99.1	NO
4	4 13C8-PFOA	1800438-07RE1 REEPDW234FRB 0.1...	9.61e3	87.3	NO
5	5 13C9-PFNA	1800438-07RE1 REEPDW234FRB 0.1...	9.99e3	90.8	NO
6	6 13C4-PFOS	1800438-07RE1 REEPDW234FRB 0.1...	2.04e3	96.5	NO
7	7 13C6-PFDA	1800438-07RE1 REEPDW234FRB 0.1...	7.27e3	68.4	NO
8	8 13C7-PFUDa	1800438-07RE1 REEPDW234FRB 0.1...	1.01e4	86.7	NO

**Name: 180320M2\_47, Date: 21-Mar-2018, Time: 00:46:28, ID: B8C0098-BS1 OPR 0.125, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0098-BS1 OPR 0.125	3.99e3	79.5	NO
2	2 13C5-PFHxA	B8C0098-BS1 OPR 0.125	5.75e3	56.5	NO
3	3 13C3-PFHxS	B8C0098-BS1 OPR 0.125	1.81e3	88.5	NO
4	4 13C8-PFOA	B8C0098-BS1 OPR 0.125	7.06e3	64.1	NO
5	5 13C9-PFNA	B8C0098-BS1 OPR 0.125	7.79e3	70.8	NO
6	6 13C4-PFOS	B8C0098-BS1 OPR 0.125	1.63e3	77.2	NO
7	7 13C6-PFDA	B8C0098-BS1 OPR 0.125	4.42e3	41.6	YES
8	8 13C7-PFUDa	B8C0098-BS1 OPR 0.125	8.24e3	70.6	NO

**Name: 180320M2\_48, Date: 21-Mar-2018, Time: 00:57:55, ID: B8C0098-BLK1 Method Blank 0.125, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0098-BLK1 Method Blank 0.125	4.63e3	92.2	NO
2	2 13C5-PFHxA	B8C0098-BLK1 Method Blank 0.125	6.34e3	62.4	NO
3	3 13C3-PFHxS	B8C0098-BLK1 Method Blank 0.125	1.73e3	84.3	NO
4	4 13C8-PFOA	B8C0098-BLK1 Method Blank 0.125	6.79e3	61.7	NO
5	5 13C9-PFNA	B8C0098-BLK1 Method Blank 0.125	7.25e3	65.9	NO
6	6 13C4-PFOS	B8C0098-BLK1 Method Blank 0.125	1.68e3	79.6	NO
7	7 13C6-PFDA	B8C0098-BLK1 Method Blank 0.125	5.88e3	55.4	NO
8	8 13C7-PFUDa	B8C0098-BLK1 Method Blank 0.125	7.44e3	63.8	NO

**Name: 180320M2\_49, Date: 21-Mar-2018, Time: 01:09:21, ID: 1800476-01 DGD-MB1A 0.12799, Description: DGD-MB1A**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800476-01 DGD-MB1A 0.12799	4.96e3	98.8	NO
2	2 13C5-PFHxA	1800476-01 DGD-MB1A 0.12799	6.69e3	65.8	NO
3	3 13C3-PFHxS	1800476-01 DGD-MB1A 0.12799	1.81e3	88.4	NO
4	4 13C8-PFOA	1800476-01 DGD-MB1A 0.12799	7.76e3	70.5	NO
5	5 13C9-PFNA	1800476-01 DGD-MB1A 0.12799	7.58e3	68.9	NO
6	6 13C4-PFOS	1800476-01 DGD-MB1A 0.12799	1.85e3	87.3	NO
7	7 13C6-PFDA	1800476-01 DGD-MB1A 0.12799	5.68e3	53.4	NO
8	8 13C7-PFUDa	1800476-01 DGD-MB1A 0.12799	7.24e3	62.1	NO

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**Name: 180320M2\_50, Date: 21-Mar-2018, Time: 01:20:51, ID: 1800476-02 DGD-MB1B 0.12013, Description: DGD-MB1B**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800476-02 DGD-MB1B 0.12013	3.91e3	77.9	NO
2	2 13C5-PFHxA	1800476-02 DGD-MB1B 0.12013	5.60e3	55.1	NO
3	3 13C3-PFHxS	1800476-02 DGD-MB1B 0.12013	1.81e3	88.3	NO
4	4 13C8-PFOA	1800476-02 DGD-MB1B 0.12013	5.97e3	54.3	NO
5	5 13C9-PFNA	1800476-02 DGD-MB1B 0.12013	6.81e3	61.9	NO
6	6 13C4-PFOS	1800476-02 DGD-MB1B 0.12013	1.63e3	77.3	NO
7	7 13C6-PFDA	1800476-02 DGD-MB1B 0.12013	5.10e3	48.0	YES
8	8 13C7-PFUDa	1800476-02 DGD-MB1B 0.12013	7.27e3	62.3	NO

**Name: 180320M2\_51, Date: 21-Mar-2018, Time: 01:32:20, ID: 1800476-03 DGD-MB2B 0.12817, Description: DGD-MB2B**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800476-03 DGD-MB2B 0.12817	5.00e3	99.6	NO
2	2 13C5-PFHxA	1800476-03 DGD-MB2B 0.12817	6.52e3	64.1	NO
3	3 13C3-PFHxS	1800476-03 DGD-MB2B 0.12817	1.65e3	80.6	NO
4	4 13C8-PFOA	1800476-03 DGD-MB2B 0.12817	7.91e3	71.9	NO
5	5 13C9-PFNA	1800476-03 DGD-MB2B 0.12817	8.35e3	75.9	NO
6	6 13C4-PFOS	1800476-03 DGD-MB2B 0.12817	1.97e3	93.2	NO
7	7 13C6-PFDA	1800476-03 DGD-MB2B 0.12817	6.70e3	63.1	NO
8	8 13C7-PFUDa	1800476-03 DGD-MB2B 0.12817	9.51e3	81.6	NO

**Name: 180320M2\_52, Date: 21-Mar-2018, Time: 01:43:49, ID: 1800476-04 DGD-MB2A 0.13192, Description: DGD-MB2A**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800476-04 DGD-MB2A 0.13192	4.47e3	89.2	NO
2	2 13C5-PFHxA	1800476-04 DGD-MB2A 0.13192	6.58e3	64.7	NO
3	3 13C3-PFHxS	1800476-04 DGD-MB2A 0.13192	1.83e3	89.5	NO
4	4 13C8-PFOA	1800476-04 DGD-MB2A 0.13192	7.32e3	66.5	NO
5	5 13C9-PFNA	1800476-04 DGD-MB2A 0.13192	7.51e3	68.3	NO
6	6 13C4-PFOS	1800476-04 DGD-MB2A 0.13192	1.85e3	87.4	NO
7	7 13C6-PFDA	1800476-04 DGD-MB2A 0.13192	5.60e3	52.7	NO
8	8 13C7-PFUDa	1800476-04 DGD-MB2A 0.13192	7.99e3	68.5	NO

**Name: 180320M2\_53, Date: 21-Mar-2018, Time: 01:55:19, ID: 1800476-05 DGD-MW104 0.13496, Description: DGD-MW104**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800476-05 DGD-MW104 0.13496	4.06e3	81.0	NO
2	2 13C5-PFHxA	1800476-05 DGD-MW104 0.13496	5.79e3	57.0	NO
3	3 13C3-PFHxS	1800476-05 DGD-MW104 0.13496	1.77e3	86.2	NO
4	4 13C8-PFOA	1800476-05 DGD-MW104 0.13496	6.49e3	59.0	NO
5	5 13C9-PFNA	1800476-05 DGD-MW104 0.13496	7.46e3	67.8	NO
6	6 13C4-PFOS	1800476-05 DGD-MW104 0.13496	1.86e3	88.1	NO
7	7 13C6-PFDA	1800476-05 DGD-MW104 0.13496	5.69e3	53.5	NO
8	8 13C7-PFUDa	1800476-05 DGD-MW104 0.13496	7.82e3	67.0	NO

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**Name: 180320M2\_54, Date: 21-Mar-2018, Time: 02:06:48, ID: 1800477-01 SOURCE SAMPLE TAP/GRW 1/PRE CHLOR 0.125, Description: SOURCE SAMPLE TAP/GRW 1/PRE CHLOR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800477-01 SOURCE SAMPLE TAP/G...	4.49e3	89.5	NO
2	2 13C5-PFHxA	1800477-01 SOURCE SAMPLE TAP/G...	6.44e3	63.4	NO
3	3 13C3-PFHxS	1800477-01 SOURCE SAMPLE TAP/G...	1.79e3	87.4	NO
4	4 13C8-PFOA	1800477-01 SOURCE SAMPLE TAP/G...	7.05e3	64.1	NO
5	5 13C9-PFNA	1800477-01 SOURCE SAMPLE TAP/G...	8.32e3	75.6	NO
6	6 13C4-PFOS	1800477-01 SOURCE SAMPLE TAP/G...	2.05e3	97.0	NO
7	7 13C6-PFDA	1800477-01 SOURCE SAMPLE TAP/G...	5.10e3	48.0	YES
8	8 13C7-PFUDa	1800477-01 SOURCE SAMPLE TAP/G...	6.91e3	59.3	NO

**Name: 180320M2\_55, Date: 21-Mar-2018, Time: 02:18:17, ID: 1800477-02 SOURCE SAMPLE TAP/GRW 2/PRE CHLOR 0.119, Description: SOURCE SAMPLE TAP/GRW 2/PRE CHLOR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800477-02 SOURCE SAMPLE TAP/G...	3.19e3	63.6	NO
2	2 13C5-PFHxA	1800477-02 SOURCE SAMPLE TAP/G...	4.38e3	43.1	YES
3	3 13C3-PFHxS	1800477-02 SOURCE SAMPLE TAP/G...	1.63e3	79.3	NO
4	4 13C8-PFOA	1800477-02 SOURCE SAMPLE TAP/G...	5.16e3	46.9	YES
5	5 13C9-PFNA	1800477-02 SOURCE SAMPLE TAP/G...	5.76e3	52.3	NO
6	6 13C4-PFOS	1800477-02 SOURCE SAMPLE TAP/G...	1.88e3	88.7	NO
7	7 13C6-PFDA	1800477-02 SOURCE SAMPLE TAP/G...	4.52e3	42.6	YES
8	8 13C7-PFUDa	1800477-02 SOURCE SAMPLE TAP/G...	7.00e3	60.0	NO

**Name: 180320M2\_56, Date: 21-Mar-2018, Time: 02:29:46, ID: B8C0091-BLK1 Method Blank 0.125, Description: Method Blank**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0091-BLK1 Method Blank 0.125	6.21e3	123.7	NO
2	2 13C5-PFHxA	B8C0091-BLK1 Method Blank 0.125	7.84e3	77.1	NO
3	3 13C3-PFHxS	B8C0091-BLK1 Method Blank 0.125	2.54e3	123.9	NO
4	4 13C8-PFOA	B8C0091-BLK1 Method Blank 0.125	7.95e3	72.3	NO
5	5 13C9-PFNA	B8C0091-BLK1 Method Blank 0.125	1.05e4	95.4	NO
6	6 13C4-PFOS	B8C0091-BLK1 Method Blank 0.125	2.63e3	124.3	NO
7	7 13C6-PFDA	B8C0091-BLK1 Method Blank 0.125	7.59e3	71.5	NO
8	8 13C7-PFUDa	B8C0091-BLK1 Method Blank 0.125	9.45e3	81.1	NO

**Name: 180320M2\_57, Date: 21-Mar-2018, Time: 02:41:16, ID: B8C0091-BS1 OPR 0.125, Description: OPR**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0091-BS1 OPR 0.125	6.31e3	125.7	NO
2	2 13C5-PFHxA	B8C0091-BS1 OPR 0.125	8.04e3	79.1	NO
3	3 13C3-PFHxS	B8C0091-BS1 OPR 0.125	2.46e3	120.1	NO
4	4 13C8-PFOA	B8C0091-BS1 OPR 0.125	7.64e3	69.4	NO
5	5 13C9-PFNA	B8C0091-BS1 OPR 0.125	1.04e4	94.5	NO
6	6 13C4-PFOS	B8C0091-BS1 OPR 0.125	2.32e3	109.7	NO
7	7 13C6-PFDA	B8C0091-BS1 OPR 0.125	6.61e3	62.2	NO
8	8 13C7-PFUDa	B8C0091-BS1 OPR 0.125	9.79e3	84.0	NO

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**Name: 180320M2\_58, Date: 21-Mar-2018, Time: 02:52:46, ID: B8C0091-BSD1 LCSD 0.125, Description: LCSD**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0091-BSD1 LCSD 0.125	6.20e3	123.6	NO
2	2 13C5-PFHxA	B8C0091-BSD1 LCSD 0.125	8.18e3	80.5	NO
3	3 13C3-PFHxS	B8C0091-BSD1 LCSD 0.125	2.56e3	124.7	NO
4	4 13C8-PFOA	B8C0091-BSD1 LCSD 0.125	8.09e3	73.5	NO
5	5 13C9-PFNA	B8C0091-BSD1 LCSD 0.125	1.02e4	92.5	NO
6	6 13C4-PFOS	B8C0091-BSD1 LCSD 0.125	2.63e3	124.6	NO
7	7 13C6-PFDA	B8C0091-BSD1 LCSD 0.125	7.14e3	67.2	NO
8	8 13C7-PFUDa	B8C0091-BSD1 LCSD 0.125	8.46e3	72.5	NO

**Name: 180320M2\_59, Date: 21-Mar-2018, Time: 03:04:14, ID: 1701882-02RE2 WI-A06-6-I-01-1217-TOP 0.12196, Description: WI-A06-6-I-01-1217-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-02RE2 WI-A06-6-I-01-1217-T...	6.26e3	124.8	NO
2	2 13C5-PFHxA	1701882-02RE2 WI-A06-6-I-01-1217-T...	8.17e3	80.4	NO
3	3 13C3-PFHxS	1701882-02RE2 WI-A06-6-I-01-1217-T...	2.44e3	119.1	NO
4	4 13C8-PFOA	1701882-02RE2 WI-A06-6-I-01-1217-T...	8.37e3	76.0	NO
5	5 13C9-PFNA	1701882-02RE2 WI-A06-6-I-01-1217-T...	8.98e3	81.6	NO
6	6 13C4-PFOS	1701882-02RE2 WI-A06-6-I-01-1217-T...	2.61e3	123.6	NO
7	7 13C6-PFDA	1701882-02RE2 WI-A06-6-I-01-1217-T...	7.29e3	68.6	NO
8	8 13C7-PFUDa	1701882-02RE2 WI-A06-6-I-01-1217-T...	9.23e3	79.2	NO

**Name: 180320M2\_60, Date: 21-Mar-2018, Time: 03:15:41, ID: 1701882-04RE2 WI-A06-EB01-120517-TOP 0.12222, Description: WI-A06-EB01-120517-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-04RE2 WI-A06-EB01-120517-...	6.43e3	128.2	NO
2	2 13C5-PFHxA	1701882-04RE2 WI-A06-EB01-120517-...	8.71e3	85.7	NO
3	3 13C3-PFHxS	1701882-04RE2 WI-A06-EB01-120517-...	2.52e3	122.9	NO
4	4 13C8-PFOA	1701882-04RE2 WI-A06-EB01-120517-...	8.03e3	73.0	NO
5	5 13C9-PFNA	1701882-04RE2 WI-A06-EB01-120517-...	1.06e4	96.3	NO
6	6 13C4-PFOS	1701882-04RE2 WI-A06-EB01-120517-...	2.33e3	110.4	NO
7	7 13C6-PFDA	1701882-04RE2 WI-A06-EB01-120517-...	7.20e3	67.8	NO
8	8 13C7-PFUDa	1701882-04RE2 WI-A06-EB01-120517-...	9.30e3	79.7	NO

**Name: 180320M2\_61, Date: 21-Mar-2018, Time: 03:27:08, ID: 1701882-06RE2 WI-A06-EB02-120517-TOP 0.1206, Description: WI-A06-EB02-120517-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-06RE2 WI-A06-EB02-120517-...	7.68e3	153.1	YES
2	2 13C5-PFHxA	1701882-06RE2 WI-A06-EB02-120517-...	1.10e4	108.2	NO
3	3 13C3-PFHxS	1701882-06RE2 WI-A06-EB02-120517-...	2.76e3	134.8	NO
4	4 13C8-PFOA	1701882-06RE2 WI-A06-EB02-120517-...	1.00e4	91.3	NO
5	5 13C9-PFNA	1701882-06RE2 WI-A06-EB02-120517-...	1.29e4	117.3	NO
6	6 13C4-PFOS	1701882-06RE2 WI-A06-EB02-120517-...	2.85e3	134.7	NO
7	7 13C6-PFDA	1701882-06RE2 WI-A06-EB02-120517-...	8.24e3	77.6	NO
8	8 13C7-PFUDa	1701882-06RE2 WI-A06-EB02-120517-...	1.16e4	99.6	NO

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**Name: 180320M2\_62, Date: 21-Mar-2018, Time: 03:38:35, ID: 1701882-08RE2 WI-A06-EFF01-1217-TOP 0.1192, Description: WI-A06-EFF01-1217-TOP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-08RE2 WI-A06-EFF01-1217-T...	6.52e3	130.0	NO
2	2 13C5-PFHxA	1701882-08RE2 WI-A06-EFF01-1217-T...	8.80e3	86.5	NO
3	3 13C3-PFHxS	1701882-08RE2 WI-A06-EFF01-1217-T...	2.95e3	143.9	NO
4	4 13C8-PFOA	1701882-08RE2 WI-A06-EFF01-1217-T...	8.88e3	80.7	NO
5	5 13C9-PFNA	1701882-08RE2 WI-A06-EFF01-1217-T...	1.01e4	91.4	NO
6	6 13C4-PFOS	1701882-08RE2 WI-A06-EFF01-1217-T...	3.05e3	144.3	NO
7	7 13C6-PFDA	1701882-08RE2 WI-A06-EFF01-1217-T...	7.91e3	74.4	NO
8	8 13C7-PFUDa	1701882-08RE2 WI-A06-EFF01-1217-T...	1.11e4	95.1	NO

**Name: 180320M2\_63, Date: 21-Mar-2018, Time: 03:50:02, 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: 180320M2\_64, Date: 21-Mar-2018, Time: 04:01:29, ID: ST180320M2-4 PFC CS3 18C1208, Description: PFC CS3 18C1208**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-4 PFC CS3 18C1208	5.77e3	115.0	NO
2	2 13C5-PFHxA	ST180320M2-4 PFC CS3 18C1208	1.11e4	108.9	NO
3	3 13C3-PFHxS	ST180320M2-4 PFC CS3 18C1208	2.55e3	124.6	NO
4	4 13C8-PFOA	ST180320M2-4 PFC CS3 18C1208	1.13e4	102.6	NO
5	5 13C9-PFNA	ST180320M2-4 PFC CS3 18C1208	1.25e4	113.7	NO
6	6 13C4-PFOS	ST180320M2-4 PFC CS3 18C1208	2.40e3	113.7	NO
7	7 13C6-PFDA	ST180320M2-4 PFC CS3 18C1208	8.71e3	82.0	NO
8	8 13C7-PFUDa	ST180320M2-4 PFC CS3 18C1208	1.01e4	86.3	NO

**Name: 180320M2\_65, Date: 21-Mar-2018, Time: 04:12:56, ID: ST180320M2-5 PFC CS0 18C1205, Description: PFC CS0 18C1205**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-5 PFC CS0 18C1205	5.53e3	110.3	NO
2	2 13C5-PFHxA	ST180320M2-5 PFC CS0 18C1205	1.07e4	105.0	NO
3	3 13C3-PFHxS	ST180320M2-5 PFC CS0 18C1205	2.47e3	120.3	NO
4	4 13C8-PFOA	ST180320M2-5 PFC CS0 18C1205	1.02e4	92.3	NO
5	5 13C9-PFNA	ST180320M2-5 PFC CS0 18C1205	1.11e4	101.0	NO
6	6 13C4-PFOS	ST180320M2-5 PFC CS0 18C1205	2.35e3	111.4	NO
7	7 13C6-PFDA	ST180320M2-5 PFC CS0 18C1205	8.36e3	78.7	NO
8	8 13C7-PFUDa	ST180320M2-5 PFC CS0 18C1205	1.29e4	111.0	NO

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**Name: 180320M2\_66, Date: 21-Mar-2018, Time: 04:24:26, 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: 180320M2\_67, Date: 21-Mar-2018, Time: 04:35:55, ID: 1701882-10RE2 WI-A06-EFF01P-1217-TOP 0.12289, Description: WI-A06-EFF01P-1217-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-10RE2 WI-A06-EFF01P-1217...	6.72e3	134.0	NO
2	2 13C5-PFHxA	1701882-10RE2 WI-A06-EFF01P-1217...	9.43e3	92.8	NO
3	3 13C3-PFHxS	1701882-10RE2 WI-A06-EFF01P-1217...	2.52e3	122.9	NO
4	4 13C8-PFOA	1701882-10RE2 WI-A06-EFF01P-1217...	9.65e3	87.7	NO
5	5 13C9-PFNA	1701882-10RE2 WI-A06-EFF01P-1217...	1.02e4	92.8	NO
6	6 13C4-PFOS	1701882-10RE2 WI-A06-EFF01P-1217...	2.66e3	126.0	NO
7	7 13C6-PFDA	1701882-10RE2 WI-A06-EFF01P-1217...	8.86e3	83.4	NO
8	8 13C7-PFUDa	1701882-10RE2 WI-A06-EFF01P-1217...	1.02e4	87.2	NO

**Name: 180320M2\_68, Date: 21-Mar-2018, Time: 04:47:22, ID: 1701882-12RE2 WI-A06-INF01-1217-TOP 0.1239, Description: WI-A06-INF01-1217-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-12RE2 WI-A06-INF01-1217-T...	6.40e3	127.6	NO
2	2 13C5-PFHxA	1701882-12RE2 WI-A06-INF01-1217-T...	8.71e3	85.7	NO
3	3 13C3-PFHxS	1701882-12RE2 WI-A06-INF01-1217-T...	2.49e3	121.5	NO
4	4 13C8-PFOA	1701882-12RE2 WI-A06-INF01-1217-T...	8.97e3	81.5	NO
5	5 13C9-PFNA	1701882-12RE2 WI-A06-INF01-1217-T...	1.08e4	98.2	NO
6	6 13C4-PFOS	1701882-12RE2 WI-A06-INF01-1217-T...	2.42e3	114.5	NO
7	7 13C6-PFDA	1701882-12RE2 WI-A06-INF01-1217-T...	6.84e3	64.4	NO
8	8 13C7-PFUDa	1701882-12RE2 WI-A06-INF01-1217-T...	1.00e4	86.2	NO

**Name: 180320M2\_69, Date: 21-Mar-2018, Time: 04:58:51, ID: 1701882-14RE2 WI-A06-P-4-1217-TOP 0.11625, Description: WI-A06-P-4-1217-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-14RE2 WI-A06-P-4-1217-TOP...	7.50e3	149.4	NO
2	2 13C5-PFHxA	1701882-14RE2 WI-A06-P-4-1217-TOP...	9.79e3	96.4	NO
3	3 13C3-PFHxS	1701882-14RE2 WI-A06-P-4-1217-TOP...	2.42e3	117.9	NO
4	4 13C8-PFOA	1701882-14RE2 WI-A06-P-4-1217-TOP...	9.34e3	84.9	NO
5	5 13C9-PFNA	1701882-14RE2 WI-A06-P-4-1217-TOP...	1.11e4	101.2	NO
6	6 13C4-PFOS	1701882-14RE2 WI-A06-P-4-1217-TOP...	2.90e3	137.3	NO
7	7 13C6-PFDA	1701882-14RE2 WI-A06-P-4-1217-TOP...	8.43e3	79.3	NO
8	8 13C7-PFUDa	1701882-14RE2 WI-A06-P-4-1217-TOP...	1.12e4	96.5	NO

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**Name: 180320M2\_70, Date: 21-Mar-2018, Time: 05:10:20, ID: 1701882-16RE2 WI-A06-6-I-03-1217-TOP 0.12289, Description: WI-A06-6-I-03-1217-TOP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-16RE2 WI-A06-6-I-03-1217-T...	7.41e3	147.8	NO
2	2 13C5-PFHxA	1701882-16RE2 WI-A06-6-I-03-1217-T...	9.66e3	95.0	NO
3	3 13C3-PFHxS	1701882-16RE2 WI-A06-6-I-03-1217-T...	2.36e3	115.2	NO
4	4 13C8-PFOA	1701882-16RE2 WI-A06-6-I-03-1217-T...	8.82e3	80.2	NO
5	5 13C9-PFNA	1701882-16RE2 WI-A06-6-I-03-1217-T...	1.08e4	98.4	NO
6	6 13C4-PFOS	1701882-16RE2 WI-A06-6-I-03-1217-T...	2.44e3	115.5	NO
7	7 13C6-PFDA	1701882-16RE2 WI-A06-6-I-03-1217-T...	7.50e3	70.6	NO
8	8 13C7-PFUDa	1701882-16RE2 WI-A06-6-I-03-1217-T...	8.84e3	75.8	NO

**Name: 180320M2\_71, Date: 21-Mar-2018, Time: 05:21:51, ID: B8C0084-BS1 OPR 0.25, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0084-BS1 OPR 0.25	5.38e3	107.1	NO
2	2 13C5-PFHxA	B8C0084-BS1 OPR 0.25	7.12e3	70.1	NO
3	3 13C3-PFHxS	B8C0084-BS1 OPR 0.25	1.94e3	94.6	NO
4	4 13C8-PFOA	B8C0084-BS1 OPR 0.25	7.76e3	70.5	NO
5	5 13C9-PFNA	B8C0084-BS1 OPR 0.25	8.17e3	74.3	NO
6	6 13C4-PFOS	B8C0084-BS1 OPR 0.25	1.73e3	82.0	NO
7	7 13C6-PFDA	B8C0084-BS1 OPR 0.25	6.27e3	59.1	NO
8	8 13C7-PFUDa	B8C0084-BS1 OPR 0.25	7.85e3	67.3	NO

**Name: 180320M2\_72, Date: 21-Mar-2018, Time: 05:33:17, ID: B8C0084-BLK1 Method Blank 0.25, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0084-BLK1 Method Blank 0.25	5.41e3	107.8	NO
2	2 13C5-PFHxA	B8C0084-BLK1 Method Blank 0.25	7.31e3	71.9	NO
3	3 13C3-PFHxS	B8C0084-BLK1 Method Blank 0.25	1.80e3	87.7	NO
4	4 13C8-PFOA	B8C0084-BLK1 Method Blank 0.25	8.05e3	73.2	NO
5	5 13C9-PFNA	B8C0084-BLK1 Method Blank 0.25	8.64e3	78.5	NO
6	6 13C4-PFOS	B8C0084-BLK1 Method Blank 0.25	1.62e3	76.6	NO
7	7 13C6-PFDA	B8C0084-BLK1 Method Blank 0.25	6.38e3	60.0	NO
8	8 13C7-PFUDa	B8C0084-BLK1 Method Blank 0.25	8.02e3	68.8	NO

**Name: 180320M2\_73, Date: 21-Mar-2018, Time: 05:44:46, ID: 1800399-01RE1 WR1802281435MK 0.26312, Description: WR1802281435MK**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800399-01RE1 WR1802281435MK 0....	5.00e3	99.6	NO
2	2 13C5-PFHxA	1800399-01RE1 WR1802281435MK 0....	6.48e3	63.7	NO
3	3 13C3-PFHxS	1800399-01RE1 WR1802281435MK 0....	1.88e3	91.8	NO
4	4 13C8-PFOA	1800399-01RE1 WR1802281435MK 0....	7.01e3	63.7	NO
5	5 13C9-PFNA	1800399-01RE1 WR1802281435MK 0....	8.27e3	75.2	NO
6	6 13C4-PFOS	1800399-01RE1 WR1802281435MK 0....	1.91e3	90.3	NO
7	7 13C6-PFDA	1800399-01RE1 WR1802281435MK 0....	6.38e3	60.1	NO
8	8 13C7-PFUDa	1800399-01RE1 WR1802281435MK 0....	7.82e3	67.1	NO

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**Name: 180320M2\_74, Date: 21-Mar-2018, Time: 05:56:13, ID: 1800399-02RE1 WR1802281515JLB 0.26238, Description: WR1802281515JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800399-02RE1 WR1802281515JLB 0....	5.31e3	105.9	NO
2	2 13C5-PFHxA	1800399-02RE1 WR1802281515JLB 0....	7.75e3	76.3	NO
3	3 13C3-PFHxS	1800399-02RE1 WR1802281515JLB 0....	2.16e3	105.5	NO
4	4 13C8-PFOA	1800399-02RE1 WR1802281515JLB 0....	8.73e3	79.3	NO
5	5 13C9-PFNA	1800399-02RE1 WR1802281515JLB 0....	9.29e3	84.5	NO
6	6 13C4-PFOS	1800399-02RE1 WR1802281515JLB 0....	2.35e3	111.4	NO
7	7 13C6-PFDA	1800399-02RE1 WR1802281515JLB 0....	6.40e3	60.3	NO
8	8 13C7-PFUdA	1800399-02RE1 WR1802281515JLB 0....	8.38e3	71.9	NO

**Name: 180320M2\_75, Date: 21-Mar-2018, Time: 06:07:42, ID: 1800399-03RE1 WR1802281610MK 0.25565, Description: WR1802281610MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800399-03RE1 WR1802281610MK 0....	5.92e3	118.0	NO
2	2 13C5-PFHxA	1800399-03RE1 WR1802281610MK 0....	7.58e3	74.6	NO
3	3 13C3-PFHxS	1800399-03RE1 WR1802281610MK 0....	1.95e3	94.9	NO
4	4 13C8-PFOA	1800399-03RE1 WR1802281610MK 0....	9.12e3	82.9	NO
5	5 13C9-PFNA	1800399-03RE1 WR1802281610MK 0....	9.38e3	85.2	NO
6	6 13C4-PFOS	1800399-03RE1 WR1802281610MK 0....	2.09e3	98.9	NO
7	7 13C6-PFDA	1800399-03RE1 WR1802281610MK 0....	7.19e3	67.7	NO
8	8 13C7-PFUdA	1800399-03RE1 WR1802281610MK 0....	8.55e3	73.4	NO

**Name: 180320M2\_76, Date: 21-Mar-2018, Time: 06:19:11, ID: 1800400-01RE1 WR1802281025MK 0.25768, Description: WR1802281025MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-01RE1 WR1802281025MK 0....	5.29e3	105.5	NO
2	2 13C5-PFHxA	1800400-01RE1 WR1802281025MK 0....	7.43e3	73.1	NO
3	3 13C3-PFHxS	1800400-01RE1 WR1802281025MK 0....	1.91e3	93.4	NO
4	4 13C8-PFOA	1800400-01RE1 WR1802281025MK 0....	7.78e3	70.7	NO
5	5 13C9-PFNA	1800400-01RE1 WR1802281025MK 0....	8.44e3	76.8	NO
6	6 13C4-PFOS	1800400-01RE1 WR1802281025MK 0....	1.95e3	92.1	NO
7	7 13C6-PFDA	1800400-01RE1 WR1802281025MK 0....	6.21e3	58.5	NO
8	8 13C7-PFUdA	1800400-01RE1 WR1802281025MK 0....	7.37e3	63.2	NO

**Name: 180320M2\_77, Date: 21-Mar-2018, Time: 06:30:38, ID: 1800400-02RE1 WR1802281040MK 0.25528, Description: WR1802281040MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-02RE1 WR1802281040MK 0....	4.84e3	96.4	NO
2	2 13C5-PFHxA	1800400-02RE1 WR1802281040MK 0....	6.51e3	64.1	NO
3	3 13C3-PFHxS	1800400-02RE1 WR1802281040MK 0....	1.61e3	78.7	NO
4	4 13C8-PFOA	1800400-02RE1 WR1802281040MK 0....	7.14e3	64.9	NO
5	5 13C9-PFNA	1800400-02RE1 WR1802281040MK 0....	7.69e3	69.9	NO
6	6 13C4-PFOS	1800400-02RE1 WR1802281040MK 0....	1.63e3	77.2	NO
7	7 13C6-PFDA	1800400-02RE1 WR1802281040MK 0....	4.81e3	45.2	YES
8	8 13C7-PFUdA	1800400-02RE1 WR1802281040MK 0....	6.74e3	57.8	NO



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**Name: 180320M2\_78, Date: 21-Mar-2018, Time: 06:42:05, ID: 1800400-03RE1 WR1802281100MK 0.25604, Description: WR1802281100MK**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800400-03RE1 WR1802281100MK 0...	5.17e3	103.0	NO
2	2	13C5-PFHxA	1800400-03RE1 WR1802281100MK 0...	6.78e3	66.7	NO
3	3	13C3-PFHxS	1800400-03RE1 WR1802281100MK 0...	1.96e3	95.5	NO
4	4	13C8-PFOA	1800400-03RE1 WR1802281100MK 0...	6.96e3	63.3	NO
5	5	13C9-PFNA	1800400-03RE1 WR1802281100MK 0...	7.88e3	71.6	NO
6	6	13C4-PFOS	1800400-03RE1 WR1802281100MK 0...	1.68e3	79.3	NO
7	7	13C6-PFDA	1800400-03RE1 WR1802281100MK 0...	5.64e3	53.1	NO
8	8	13C7-PFUDa	1800400-03RE1 WR1802281100MK 0...	8.20e3	70.3	NO

**Name: 180320M2\_79, Date: 21-Mar-2018, Time: 06:53:31, 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: 180320M2\_80, Date: 21-Mar-2018, Time: 07:04:58, ID: ST180320M2-6 PFC CS3 18C1208, Description: PFC CS3 18C1208**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180320M2-6 PFC CS3 18C1208	6.10e3	121.6	NO
2	2	13C5-PFHxA	ST180320M2-6 PFC CS3 18C1208	1.17e4	115.1	NO
3	3	13C3-PFHxS	ST180320M2-6 PFC CS3 18C1208	2.63e3	128.3	NO
4	4	13C8-PFOA	ST180320M2-6 PFC CS3 18C1208	1.20e4	109.3	NO
5	5	13C9-PFNA	ST180320M2-6 PFC CS3 18C1208	1.24e4	112.7	NO
6	6	13C4-PFOS	ST180320M2-6 PFC CS3 18C1208	2.30e3	108.8	NO
7	7	13C6-PFDA	ST180320M2-6 PFC CS3 18C1208	1.05e4	98.5	NO
8	8	13C7-PFUDa	ST180320M2-6 PFC CS3 18C1208	1.45e4	124.5	NO

**Name: 180320M2\_81, Date: 21-Mar-2018, Time: 07:16:25, 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

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**Name: 180320M2\_82, Date: 21-Mar-2018, Time: 07:27:52, ID: 1800400-04RE1 WR1802281120MK 0.25456, Description: WR1802281120MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-04RE1 WR1802281120MK 0...	4.97e3	99.0	NO
2	2 13C5-PFHxA	1800400-04RE1 WR1802281120MK 0...	7.32e3	72.0	NO
3	3 13C3-PFHxS	1800400-04RE1 WR1802281120MK 0...	1.72e3	83.7	NO
4	4 13C8-PFOA	1800400-04RE1 WR1802281120MK 0...	7.14e3	64.9	NO
5	5 13C9-PFNA	1800400-04RE1 WR1802281120MK 0...	7.64e3	69.5	NO
6	6 13C4-PFOS	1800400-04RE1 WR1802281120MK 0...	1.67e3	79.2	NO
7	7 13C6-PFDA	1800400-04RE1 WR1802281120MK 0...	5.78e3	54.4	NO
8	8 13C7-PFUDa	1800400-04RE1 WR1802281120MK 0...	8.04e3	68.9	NO

**Name: 180320M2\_83, Date: 21-Mar-2018, Time: 07:39:22, ID: 1800400-05RE1 WR1802281215MK 0.26219, Description: WR1802281215MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-05RE1 WR1802281215MK 0...	5.49e3	109.5	NO
2	2 13C5-PFHxA	1800400-05RE1 WR1802281215MK 0...	7.33e3	72.1	NO
3	3 13C3-PFHxS	1800400-05RE1 WR1802281215MK 0...	2.02e3	98.6	NO
4	4 13C8-PFOA	1800400-05RE1 WR1802281215MK 0...	8.34e3	75.8	NO
5	5 13C9-PFNA	1800400-05RE1 WR1802281215MK 0...	9.13e3	83.0	NO
6	6 13C4-PFOS	1800400-05RE1 WR1802281215MK 0...	2.14e3	101.2	NO
7	7 13C6-PFDA	1800400-05RE1 WR1802281215MK 0...	6.12e3	57.6	NO
8	8 13C7-PFUDa	1800400-05RE1 WR1802281215MK 0...	7.60e3	65.2	NO

**Name: 180320M2\_84, Date: 21-Mar-2018, Time: 07:50:52, ID: 1800400-06RE1 WR1802281300MK 0.25733, Description: WR1802281300MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-06RE1 WR1802281300MK 0...	4.83e3	96.2	NO
2	2 13C5-PFHxA	1800400-06RE1 WR1802281300MK 0...	6.43e3	63.3	NO
3	3 13C3-PFHxS	1800400-06RE1 WR1802281300MK 0...	1.84e3	89.5	NO
4	4 13C8-PFOA	1800400-06RE1 WR1802281300MK 0...	7.44e3	67.6	NO
5	5 13C9-PFNA	1800400-06RE1 WR1802281300MK 0...	8.24e3	74.9	NO
6	6 13C4-PFOS	1800400-06RE1 WR1802281300MK 0...	1.96e3	92.5	NO
7	7 13C6-PFDA	1800400-06RE1 WR1802281300MK 0...	5.54e3	52.2	NO
8	8 13C7-PFUDa	1800400-06RE1 WR1802281300MK 0...	7.61e3	65.2	NO

**Name: 180320M2\_85, Date: 21-Mar-2018, Time: 08:02:22, ID: 1800400-07RE1 FB1802281305MK 0.25345, Description: FB1802281305MK**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800400-07RE1 FB1802281305MK 0.2...	6.30e3	125.5	NO
2	2 13C5-PFHxA	1800400-07RE1 FB1802281305MK 0.2...	8.51e3	83.7	NO
3	3 13C3-PFHxS	1800400-07RE1 FB1802281305MK 0.2...	2.01e3	98.1	NO
4	4 13C8-PFOA	1800400-07RE1 FB1802281305MK 0.2...	8.08e3	73.4	NO
5	5 13C9-PFNA	1800400-07RE1 FB1802281305MK 0.2...	1.01e4	91.6	NO
6	6 13C4-PFOS	1800400-07RE1 FB1802281305MK 0.2...	1.96e3	92.6	NO
7	7 13C6-PFDA	1800400-07RE1 FB1802281305MK 0.2...	6.87e3	64.6	NO
8	8 13C7-PFUDa	1800400-07RE1 FB1802281305MK 0.2...	9.32e3	80.0	NO

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**Name: 180320M2\_86, Date: 21-Mar-2018, Time: 08:13:49, ID: 1800423-01RE1 GW1216180301RAP 0.25696, Description: GW1216180301RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800423-01RE1 GW1216180301RAP 0...	5.13e3	102.3	NO
2	2 13C5-PFHxA	1800423-01RE1 GW1216180301RAP 0...	6.80e3	66.9	NO
3	3 13C3-PFHxS	1800423-01RE1 GW1216180301RAP 0...	1.90e3	92.6	NO
4	4 13C8-PFOA	1800423-01RE1 GW1216180301RAP 0...	7.35e3	66.8	NO
5	5 13C9-PFNA	1800423-01RE1 GW1216180301RAP 0...	8.75e3	79.5	NO
6	6 13C4-PFOS	1800423-01RE1 GW1216180301RAP 0...	1.84e3	86.9	NO
7	7 13C6-PFDA	1800423-01RE1 GW1216180301RAP 0...	6.52e3	61.3	NO
8	8 13C7-PFUDa	1800423-01RE1 GW1216180301RAP 0...	6.92e3	59.3	NO

**Name: 180320M2\_87, Date: 21-Mar-2018, Time: 08:25:19, ID: 1800423-02RE1 GW2226180301RAP 0.25742, Description: GW2226180301RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800423-02RE1 GW2226180301RAP 0...	5.54e3	110.5	NO
2	2 13C5-PFHxA	1800423-02RE1 GW2226180301RAP 0...	7.61e3	74.8	NO
3	3 13C3-PFHxS	1800423-02RE1 GW2226180301RAP 0...	1.80e3	88.0	NO
4	4 13C8-PFOA	1800423-02RE1 GW2226180301RAP 0...	8.33e3	75.7	NO
5	5 13C9-PFNA	1800423-02RE1 GW2226180301RAP 0...	9.97e3	90.6	NO
6	6 13C4-PFOS	1800423-02RE1 GW2226180301RAP 0...	1.92e3	90.6	NO
7	7 13C6-PFDA	1800423-02RE1 GW2226180301RAP 0...	6.42e3	60.4	NO
8	8 13C7-PFUDa	1800423-02RE1 GW2226180301RAP 0...	8.00e3	68.6	NO

**Name: 180320M2\_88, Date: 21-Mar-2018, Time: 08:36:48, ID: 1800423-03RE1 GW3236180302RAP 0.24691, Description: GW3236180302RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800423-03RE1 GW3236180302RAP 0...	6.35e3	126.6	NO
2	2 13C5-PFHxA	1800423-03RE1 GW3236180302RAP 0...	8.79e3	86.5	NO
3	3 13C3-PFHxS	1800423-03RE1 GW3236180302RAP 0...	1.92e3	93.6	NO
4	4 13C8-PFOA	1800423-03RE1 GW3236180302RAP 0...	9.56e3	86.9	NO
5	5 13C9-PFNA	1800423-03RE1 GW3236180302RAP 0...	1.04e4	94.8	NO
6	6 13C4-PFOS	1800423-03RE1 GW3236180302RAP 0...	1.99e3	94.1	NO
7	7 13C6-PFDA	1800423-03RE1 GW3236180302RAP 0...	7.70e3	72.5	NO
8	8 13C7-PFUDa	1800423-03RE1 GW3236180302RAP 0...	1.05e4	90.4	NO

**Name: 180320M2\_89, Date: 21-Mar-2018, Time: 08:48:18, ID: 1800423-04RE1 GW4246180302RAP 0.25259, Description: GW4246180302RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800423-04RE1 GW4246180302RAP 0...	6.31e3	125.8	NO
2	2 13C5-PFHxA	1800423-04RE1 GW4246180302RAP 0...	8.24e3	81.1	NO
3	3 13C3-PFHxS	1800423-04RE1 GW4246180302RAP 0...	1.89e3	92.0	NO
4	4 13C8-PFOA	1800423-04RE1 GW4246180302RAP 0...	9.04e3	82.2	NO
5	5 13C9-PFNA	1800423-04RE1 GW4246180302RAP 0...	9.71e3	88.3	NO
6	6 13C4-PFOS	1800423-04RE1 GW4246180302RAP 0...	1.85e3	87.3	NO
7	7 13C6-PFDA	1800423-04RE1 GW4246180302RAP 0...	6.89e3	64.9	NO
8	8 13C7-PFUDa	1800423-04RE1 GW4246180302RAP 0...	9.44e3	81.0	NO

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**Name: 180320M2\_90, Date: 21-Mar-2018, Time: 08:59:48, ID: 1800423-05RE1 GW5256180302RAP 0.25316, Description: GW5256180302RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800423-05RE1 GW5256180302RAP 0...	7.88e3	157.0	YES
2	2 13C5-PFHxA	1800423-05RE1 GW5256180302RAP 0...	1.10e4	108.6	NO
3	3 13C3-PFHxS	1800423-05RE1 GW5256180302RAP 0...	2.60e3	126.6	NO
4	4 13C8-PFOA	1800423-05RE1 GW5256180302RAP 0...	1.16e4	105.2	NO
5	5 13C9-PFNA	1800423-05RE1 GW5256180302RAP 0...	1.38e4	125.3	NO
6	6 13C4-PFOS	1800423-05RE1 GW5256180302RAP 0...	2.75e3	130.0	NO
7	7 13C6-PFDA	1800423-05RE1 GW5256180302RAP 0...	9.73e3	91.5	NO
8	8 13C7-PFUdA	1800423-05RE1 GW5256180302RAP 0...	1.03e4	88.4	NO

**Name: 180320M2\_91, Date: 21-Mar-2018, Time: 09:11:17, ID: 1800427-01RE1 WR1803051300JLB 0.24178, Description: WR1803051300JLB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800427-01RE1 WR1803051300JLB 0....	5.98e3	119.3	NO
2	2 13C5-PFHxA	1800427-01RE1 WR1803051300JLB 0....	7.98e3	78.6	NO
3	3 13C3-PFHxS	1800427-01RE1 WR1803051300JLB 0....	1.83e3	89.1	NO
4	4 13C8-PFOA	1800427-01RE1 WR1803051300JLB 0....	8.37e3	76.1	NO
5	5 13C9-PFNA	1800427-01RE1 WR1803051300JLB 0....	8.69e3	79.0	NO
6	6 13C4-PFOS	1800427-01RE1 WR1803051300JLB 0....	1.86e3	88.1	NO
7	7 13C6-PFDA	1800427-01RE1 WR1803051300JLB 0....	7.39e3	69.6	NO
8	8 13C7-PFUdA	1800427-01RE1 WR1803051300JLB 0....	9.33e3	80.0	NO

**Name: 180320M2\_92, Date: 21-Mar-2018, Time: 09:22:46, 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: 180320M2\_93, Date: 21-Mar-2018, Time: 09:34:16, ID: ST180320M2-7 PFC CS3 18C1208, Description: PFC CS3 18C1208**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-7 PFC CS3 18C1208	6.23e3	124.2	NO
2	2 13C5-PFHxA	ST180320M2-7 PFC CS3 18C1208	1.22e4	119.6	NO
3	3 13C3-PFHxS	ST180320M2-7 PFC CS3 18C1208	2.42e3	118.2	NO
4	4 13C8-PFOA	ST180320M2-7 PFC CS3 18C1208	1.21e4	109.9	NO
5	5 13C9-PFNA	ST180320M2-7 PFC CS3 18C1208	1.43e4	129.5	NO
6	6 13C4-PFOS	ST180320M2-7 PFC CS3 18C1208	2.42e3	114.7	NO
7	7 13C6-PFDA	ST180320M2-7 PFC CS3 18C1208	1.14e4	107.6	NO
8	8 13C7-PFUdA	ST180320M2-7 PFC CS3 18C1208	1.27e4	108.7	NO

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**Name: 180320M2\_94, Date: 21-Mar-2018, Time: 09:45:46, ID: IPA, Description: IPA**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	5.04e0	0.0	YES
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: 180320M2\_95, Date: 21-Mar-2018, Time: 09:57:16, ID: B8C0094-BS1 OPR 0.25, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0094-BS1 OPR 0.25	4.31e3	86.0	NO
2	2 13C5-PFHxA	B8C0094-BS1 OPR 0.25	6.08e3	59.8	NO
3	3 13C3-PFHxS	B8C0094-BS1 OPR 0.25	1.66e3	81.2	NO
4	4 13C8-PFOA	B8C0094-BS1 OPR 0.25	7.67e3	69.7	NO
5	5 13C9-PFNA	B8C0094-BS1 OPR 0.25	8.94e3	81.3	NO
6	6 13C4-PFOS	B8C0094-BS1 OPR 0.25	1.72e3	81.5	NO
7	7 13C6-PFDA	B8C0094-BS1 OPR 0.25	5.65e3	53.2	NO
8	8 13C7-PFUdA	B8C0094-BS1 OPR 0.25	9.30e3	79.7	NO

**Name: 180320M2\_96, Date: 21-Mar-2018, Time: 10:08:42, ID: B8C0094-BLK1 Method Blank 0.25, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8C0094-BLK1 Method Blank 0.25	4.47e3	89.1	NO
2	2 13C5-PFHxA	B8C0094-BLK1 Method Blank 0.25	6.82e3	67.1	NO
3	3 13C3-PFHxS	B8C0094-BLK1 Method Blank 0.25	1.73e3	84.6	NO
4	4 13C8-PFOA	B8C0094-BLK1 Method Blank 0.25	7.24e3	65.8	NO
5	5 13C9-PFNA	B8C0094-BLK1 Method Blank 0.25	9.15e3	83.2	NO
6	6 13C4-PFOS	B8C0094-BLK1 Method Blank 0.25	1.66e3	78.6	NO
7	7 13C6-PFDA	B8C0094-BLK1 Method Blank 0.25	7.88e3	74.1	NO
8	8 13C7-PFUdA	B8C0094-BLK1 Method Blank 0.25	1.06e4	90.7	NO

**Name: 180320M2\_97, Date: 21-Mar-2018, Time: 10:20:09, ID: 1800487-01 GW0509180308RAP 0.2483, Description: GW0509180308RAP**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800487-01 GW0509180308RAP 0.2483	4.30e3	85.8	NO
2	2 13C5-PFHxA	1800487-01 GW0509180308RAP 0.2483	6.24e3	61.4	NO
3	3 13C3-PFHxS	1800487-01 GW0509180308RAP 0.2483	1.81e3	88.1	NO
4	4 13C8-PFOA	1800487-01 GW0509180308RAP 0.2483	6.95e3	63.2	NO
5	5 13C9-PFNA	1800487-01 GW0509180308RAP 0.2483	7.06e3	64.2	NO
6	6 13C4-PFOS	1800487-01 GW0509180308RAP 0.2483	1.76e3	83.3	NO
7	7 13C6-PFDA	1800487-01 GW0509180308RAP 0.2483	6.53e3	61.5	NO
8	8 13C7-PFUdA	1800487-01 GW0509180308RAP 0.2483	8.43e3	72.3	NO

Dataset: F:\Projects\PFAS.PRO\Results\180320M2\180320M2-IIS AREAS.qld

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**Name: 180320M2\_98, Date: 21-Mar-2018, Time: 10:31:31, ID: 1800487-02 GW1519180308RAP 0.26133, Description: GW1519180308RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800487-02 GW1519180308RAP 0.261...	4.86e3	96.9	NO
2	2	13C5-PFHxA	1800487-02 GW1519180308RAP 0.261...	6.67e3	65.7	NO
3	3	13C3-PFHxS	1800487-02 GW1519180308RAP 0.261...	1.77e3	86.3	NO
4	4	13C8-PFOA	1800487-02 GW1519180308RAP 0.261...	7.77e3	70.6	NO
5	5	13C9-PFNA	1800487-02 GW1519180308RAP 0.261...	7.50e3	68.2	NO
6	6	13C4-PFOS	1800487-02 GW1519180308RAP 0.261...	1.53e3	72.3	NO
7	7	13C6-PFDA	1800487-02 GW1519180308RAP 0.261...	6.94e3	65.3	NO
8	8	13C7-PFUDa	1800487-02 GW1519180308RAP 0.261...	7.49e3	64.3	NO

**Name: 180320M2\_99, Date: 21-Mar-2018, Time: 10:42:57, ID: 1800487-03 GW2529180308RAP 0.25663, Description: GW2529180308RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800487-03 GW2529180308RAP 0.256...	4.81e3	95.8	NO
2	2	13C5-PFHxA	1800487-03 GW2529180308RAP 0.256...	6.47e3	63.7	NO
3	3	13C3-PFHxS	1800487-03 GW2529180308RAP 0.256...	1.87e3	91.4	NO
4	4	13C8-PFOA	1800487-03 GW2529180308RAP 0.256...	7.12e3	64.7	NO
5	5	13C9-PFNA	1800487-03 GW2529180308RAP 0.256...	7.52e3	68.3	NO
6	6	13C4-PFOS	1800487-03 GW2529180308RAP 0.256...	1.81e3	85.4	NO
7	7	13C6-PFDA	1800487-03 GW2529180308RAP 0.256...	5.90e3	55.6	NO
8	8	13C7-PFUDa	1800487-03 GW2529180308RAP 0.256...	7.77e3	66.7	NO

**Name: 180320M2\_100, Date: 21-Mar-2018, Time: 10:54:24, ID: 1800487-04 GW3539180309RAP 0.27044, Description: GW3539180309RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800487-04 GW3539180309RAP 0.270...	5.76e3	114.8	NO
2	2	13C5-PFHxA	1800487-04 GW3539180309RAP 0.270...	7.86e3	77.4	NO
3	3	13C3-PFHxS	1800487-04 GW3539180309RAP 0.270...	1.72e3	84.0	NO
4	4	13C8-PFOA	1800487-04 GW3539180309RAP 0.270...	8.45e3	76.8	NO
5	5	13C9-PFNA	1800487-04 GW3539180309RAP 0.270...	9.99e3	90.8	NO
6	6	13C4-PFOS	1800487-04 GW3539180309RAP 0.270...	1.82e3	85.9	NO
7	7	13C6-PFDA	1800487-04 GW3539180309RAP 0.270...	6.52e3	61.4	NO
8	8	13C7-PFUDa	1800487-04 GW3539180309RAP 0.270...	9.29e3	79.6	NO

**Name: 180320M2\_101, Date: 21-Mar-2018, Time: 11:05:54, ID: 1800487-05 FD-GW4145180309RAP 0.27054, Description: FD-GW4145180309RAP**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800487-05 FD-GW4145180309RAP 0....	5.50e3	109.6	NO
2	2	13C5-PFHxA	1800487-05 FD-GW4145180309RAP 0....	7.64e3	75.2	NO
3	3	13C3-PFHxS	1800487-05 FD-GW4145180309RAP 0....	1.87e3	91.4	NO
4	4	13C8-PFOA	1800487-05 FD-GW4145180309RAP 0....	8.04e3	73.0	NO
5	5	13C9-PFNA	1800487-05 FD-GW4145180309RAP 0....	9.18e3	83.5	NO
6	6	13C4-PFOS	1800487-05 FD-GW4145180309RAP 0....	1.73e3	81.7	NO
7	7	13C6-PFDA	1800487-05 FD-GW4145180309RAP 0....	7.20e3	67.8	NO
8	8	13C7-PFUDa	1800487-05 FD-GW4145180309RAP 0....	8.28e3	71.0	NO

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**Name: 180320M2\_102, Date: 21-Mar-2018, Time: 11:17:24, ID: 1800487-06 GW4145180309RAP 0.26997, Description: GW4145180309RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800487-06 GW4145180309RAP 0.269...	6.41e3	127.8	NO
2	2 13C5-PFHxA	1800487-06 GW4145180309RAP 0.269...	8.90e3	87.5	NO
3	3 13C3-PFHxS	1800487-06 GW4145180309RAP 0.269...	2.11e3	102.7	NO
4	4 13C8-PFOA	1800487-06 GW4145180309RAP 0.269...	9.43e3	85.7	NO
5	5 13C9-PFNA	1800487-06 GW4145180309RAP 0.269...	1.04e4	94.6	NO
6	6 13C4-PFOS	1800487-06 GW4145180309RAP 0.269...	1.89e3	89.6	NO
7	7 13C6-PFDA	1800487-06 GW4145180309RAP 0.269...	7.08e3	66.7	NO
8	8 13C7-PFUdA	1800487-06 GW4145180309RAP 0.269...	1.02e4	87.9	NO

**Name: 180320M2\_103, Date: 21-Mar-2018, Time: 11:28:51, ID: 1800487-07 GW5357180309RAP 0.26272, Description: GW5357180309RAP**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800487-07 GW5357180309RAP 0.262...	5.65e3	112.5	NO
2	2 13C5-PFHxA	1800487-07 GW5357180309RAP 0.262...			
3	3 13C3-PFHxS	1800487-07 GW5357180309RAP 0.262...			
4	4 13C8-PFOA	1800487-07 GW5357180309RAP 0.262...			
5	5 13C9-PFNA	1800487-07 GW5357180309RAP 0.262...			
6	6 13C4-PFOS	1800487-07 GW5357180309RAP 0.262...			
7	7 13C6-PFDA	1800487-07 GW5357180309RAP 0.262...			
8	8 13C7-PFUdA	1800487-07 GW5357180309RAP 0.262...			

**Name: , Date: , Time: , ID: , Description:**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			
2	2 13C5-PFHxA	IPA			
3	3 13C3-PFHxS	IPA			
4	4 13C8-PFOA	IPA			
5	5 13C9-PFNA	IPA			
6	6 13C4-PFOS	IPA			
7	7 13C6-PFDA	IPA			
8	8 13C7-PFUdA	IPA			

**Name: , Date: , Time: , ID: , Description:**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180320M2-8 PFC CS3 18C1208			
2	2 13C5-PFHxA	ST180320M2-8 PFC CS3 18C1208			
3	3 13C3-PFHxS	ST180320M2-8 PFC CS3 18C1208			
4	4 13C8-PFOA	ST180320M2-8 PFC CS3 18C1208			
5	5 13C9-PFNA	ST180320M2-8 PFC CS3 18C1208			
6	6 13C4-PFOS	ST180320M2-8 PFC CS3 18C1208			
7	7 13C6-PFDA	ST180320M2-8 PFC CS3 18C1208			
8	8 13C7-PFUdA	ST180320M2-8 PFC CS3 18C1208			

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**Name: , Date: , Time: , ID: , Description:**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			
2	2	13C5-PFHxA	IPA			
3	3	13C3-PFHxS	IPA			
4	4	13C8-PFOA	IPA			
5	5	13C9-PFNA	IPA			
6	6	13C4-PFOS	IPA			
7	7	13C6-PFDA	IPA			
8	8	13C7-PFUdA	IPA			



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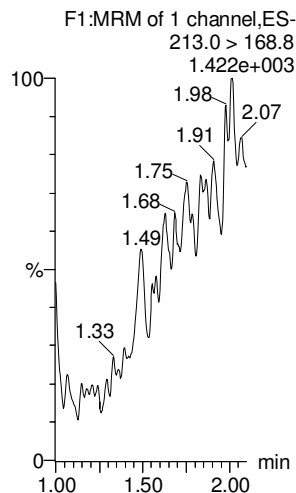
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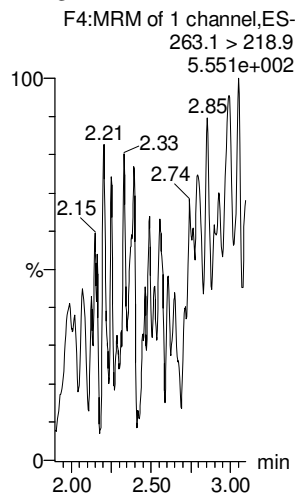
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Name: 180320M1\_3, Date: 20-Mar-2018, Time: 13:04:00, ID: IPA, Description: IPA

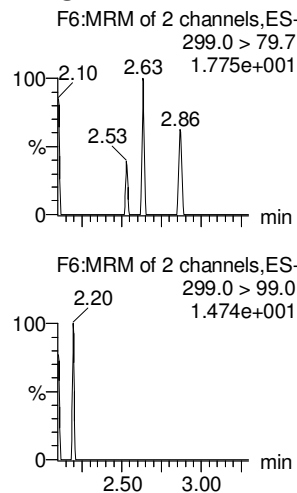
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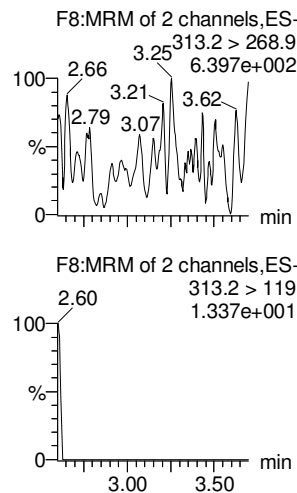
**PFPeA**



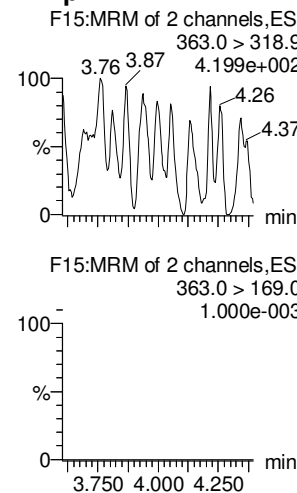
**PFBS**



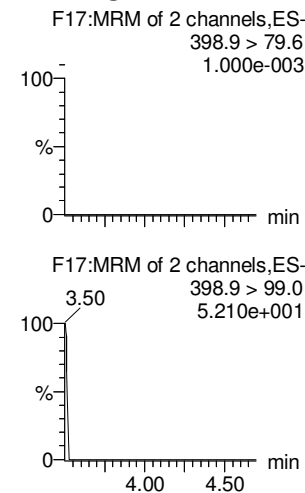
**PFHxA**



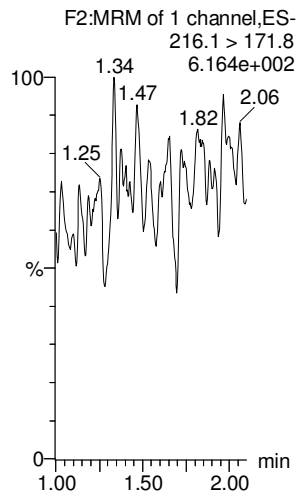
**PFHpA**



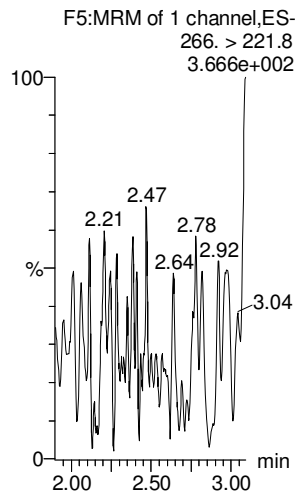
**L-PFHxS**



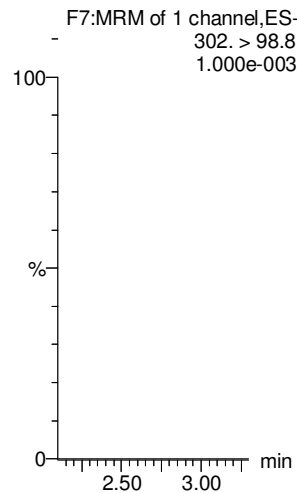
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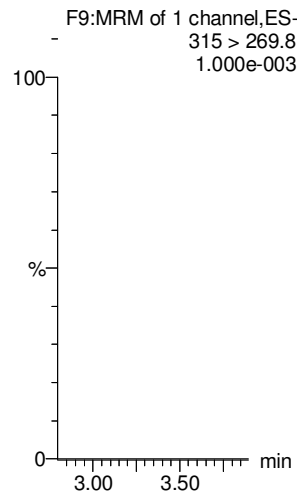
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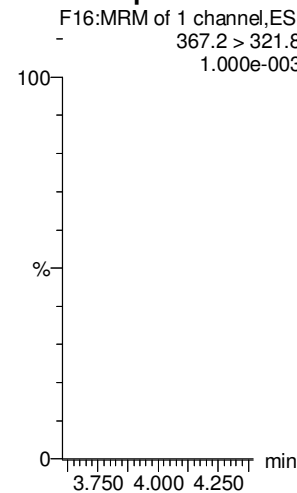
**13C3-PFBS**



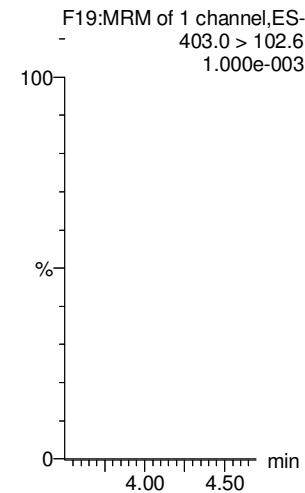
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



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**6:2 FTS**

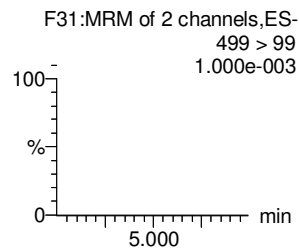
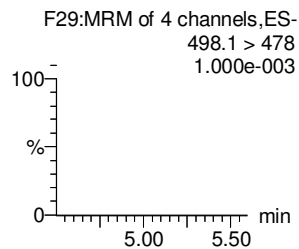
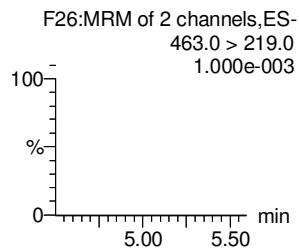
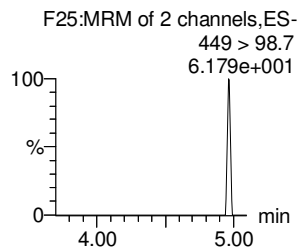
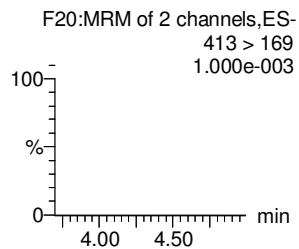
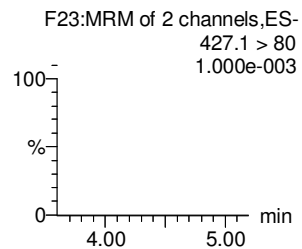
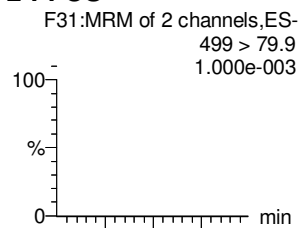
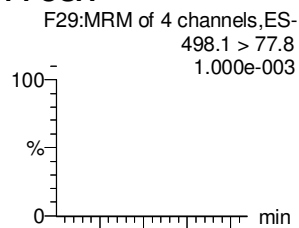
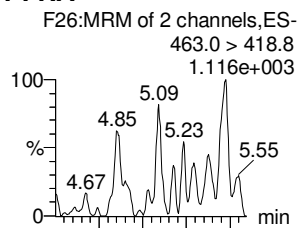
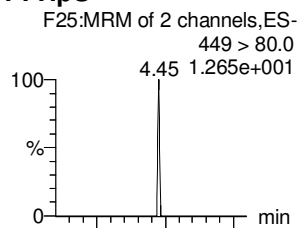
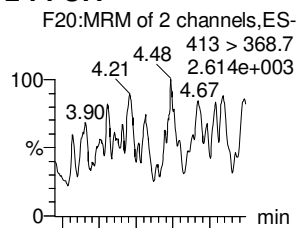
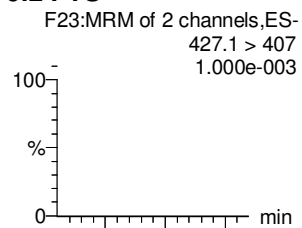
**L-PFOA**

**PFHpS**

**PFNA**

**PFOSA**

**L-PFOS**



**13C2-6:2 FTS**

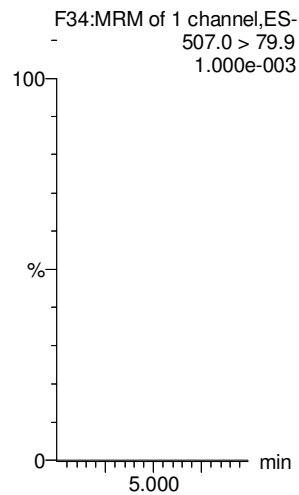
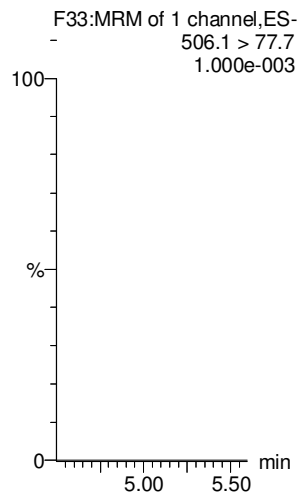
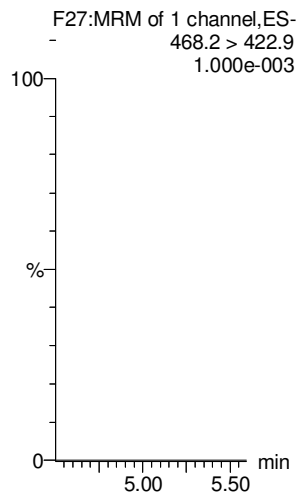
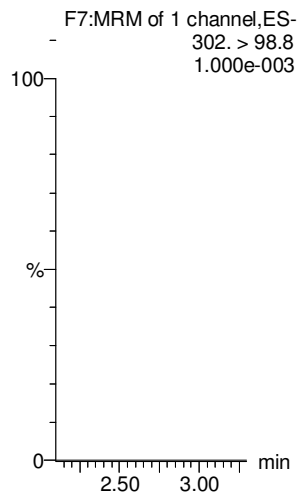
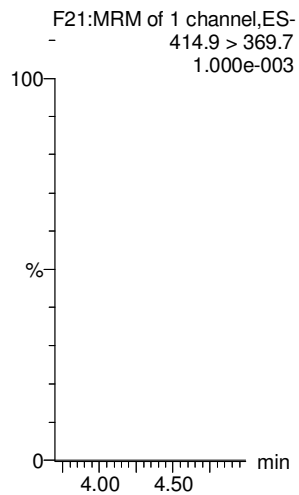
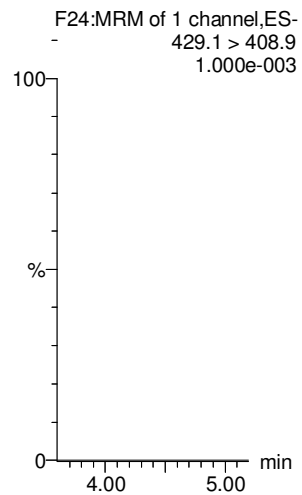
**13C2-PFOA**

**13C3-PFBS**

**13C5-PFNA**

**13C8-PFOSA**

**13C8-PFOS**



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**PFDA**

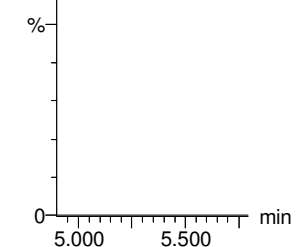
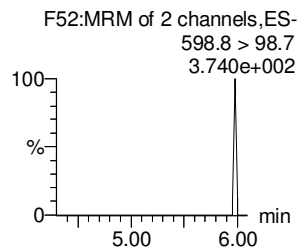
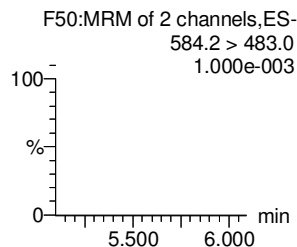
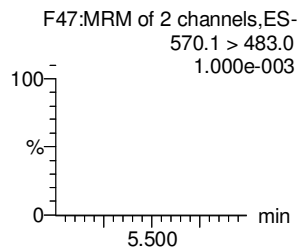
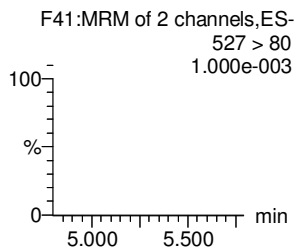
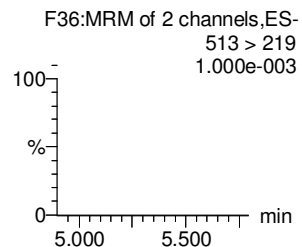
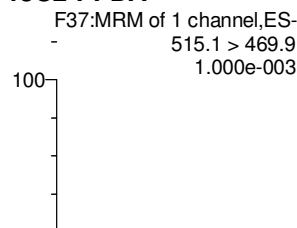
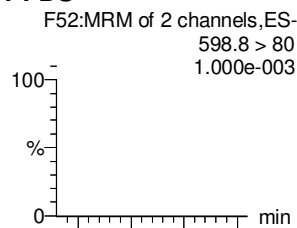
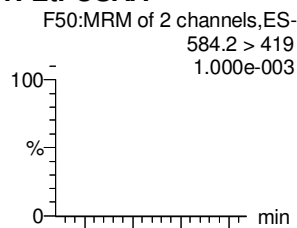
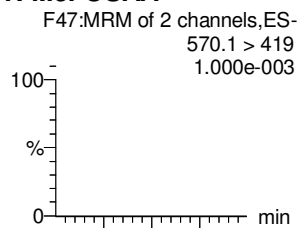
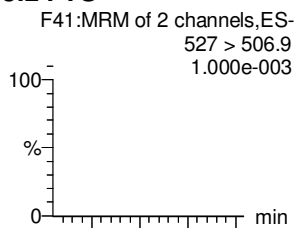
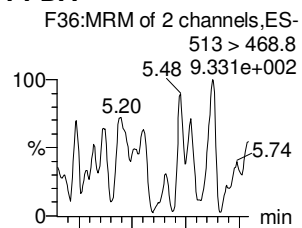
**8:2 FTS**

**N-MeFOSAA**

**N-EtFOSAA**

**PFDS**

**13C2-PFDA**



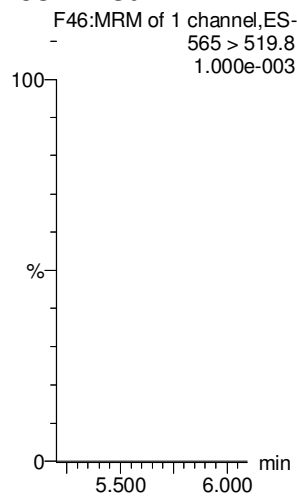
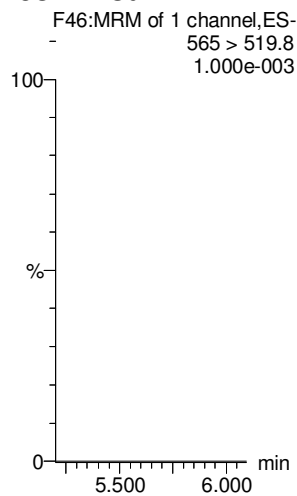
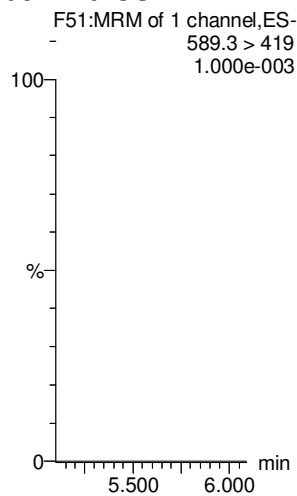
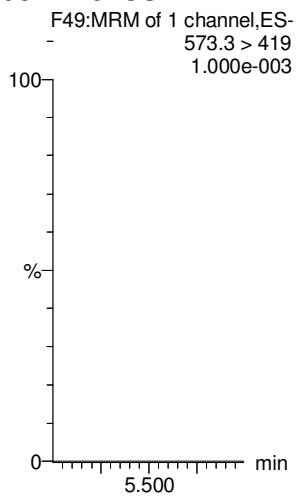
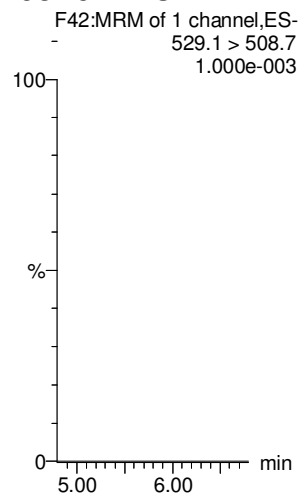
**13C2-8:2 FTS**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUdA**

**13C2-PFUdA**



Dataset: Untitled

Last Altered: Tuesday, March 20, 2018 14:35:07 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 14:38:51 Pacific Daylight Time

Name: 180320M1\_3, Date: 20-Mar-2018, Time: 13:04:00, ID: IPA, Description: IPA

**PFD<sub>o</sub>A**

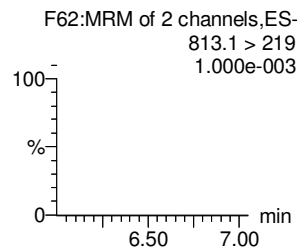
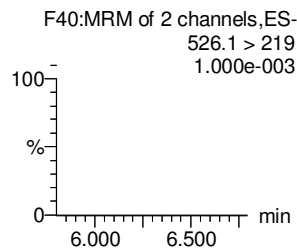
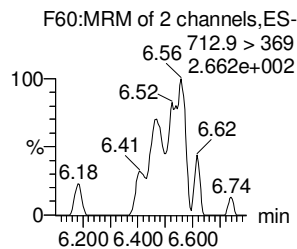
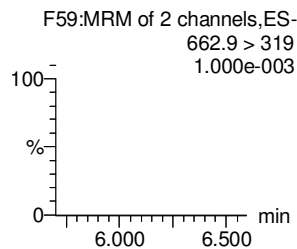
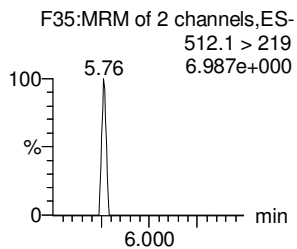
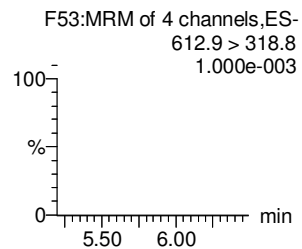
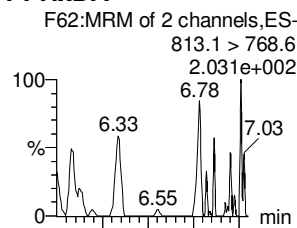
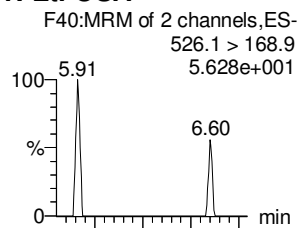
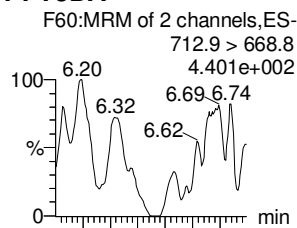
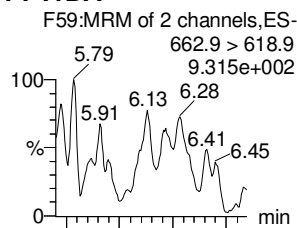
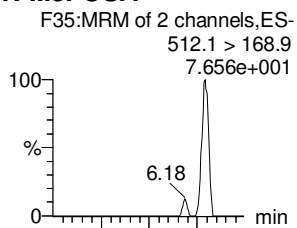
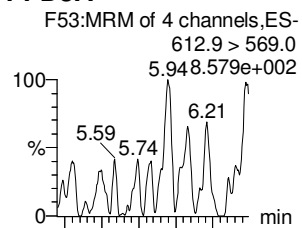
**N-MeFOSA**

**PFT<sub>r</sub>DA**

**PFT<sub>e</sub>DA**

**N-EtFOSA**

**PFH<sub>x</sub>DA**



**13C2-PFD<sub>o</sub>A**

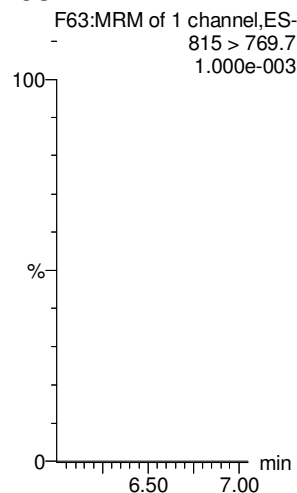
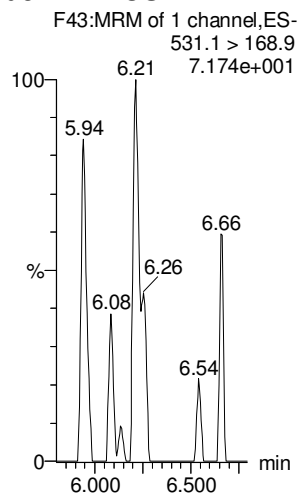
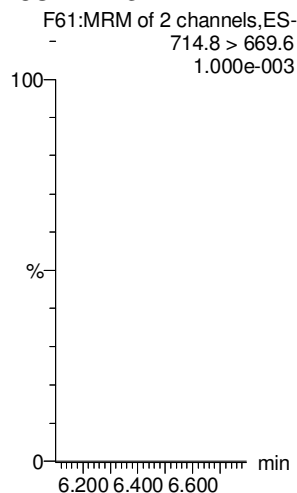
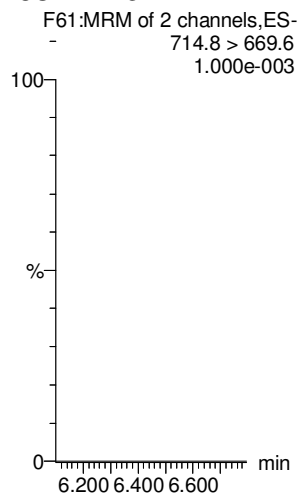
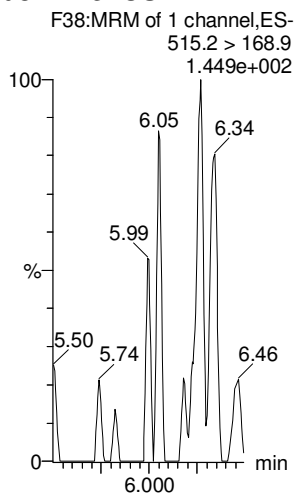
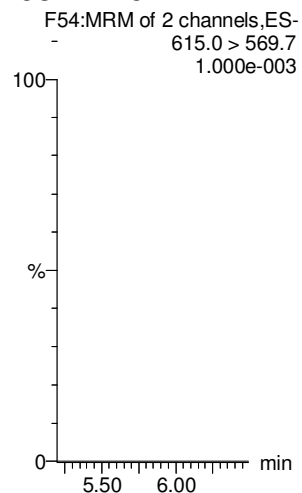
**d3-N-MeFOSA**

**13C2-PFT<sub>e</sub>DA**

**13C2-PFT<sub>r</sub>DA**

**d5-N-ETFOSA**

**13C2-PFH<sub>x</sub>DA**



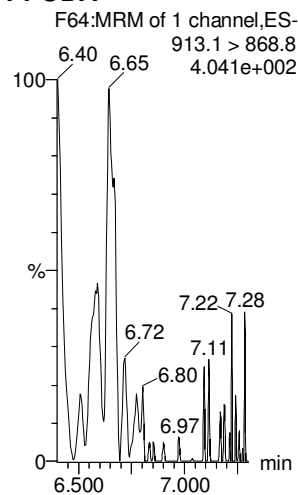
Dataset: Untitled

Last Altered: Tuesday, March 20, 2018 14:35:07 Pacific Daylight Time

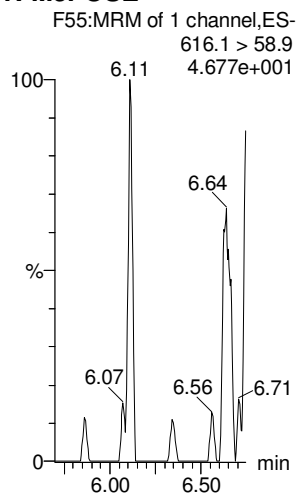
Printed: Tuesday, March 20, 2018 14:38:51 Pacific Daylight Time

Name: 180320M1\_3, Date: 20-Mar-2018, Time: 13:04:00, ID: IPA, Description: IPA

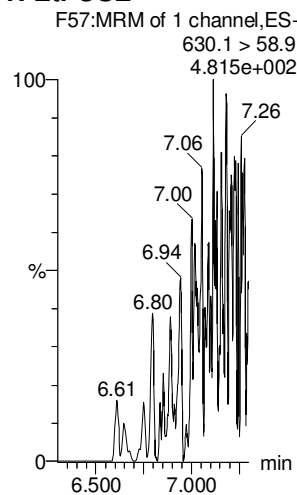
**PFODA**



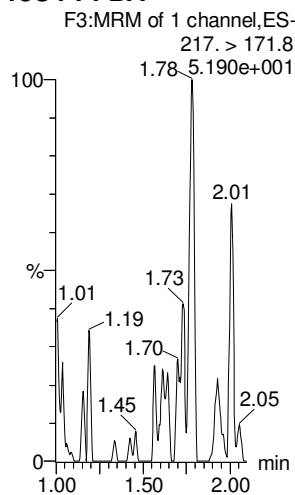
**N-MeFOSE**



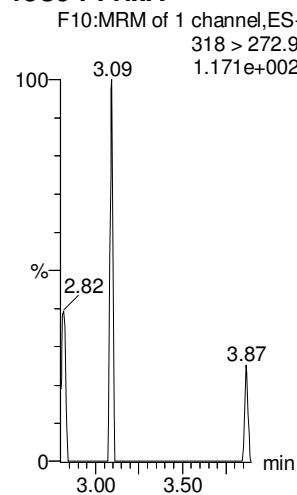
**N-EtFOSE**



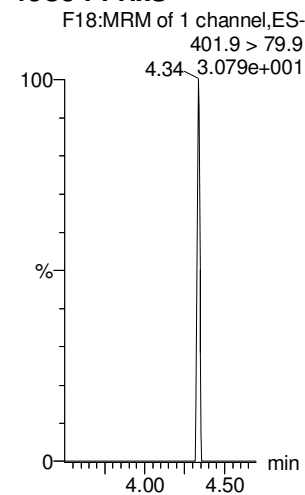
**13C4-PFBA**



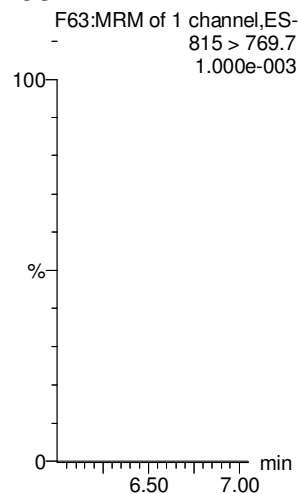
**13C5-PFHxA**



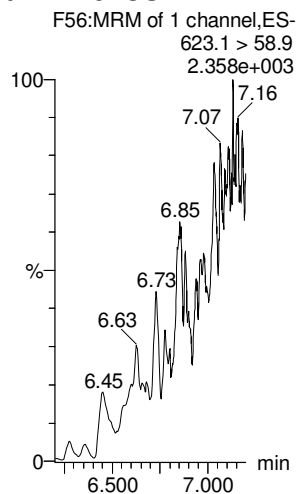
**13C3-PFHxS**



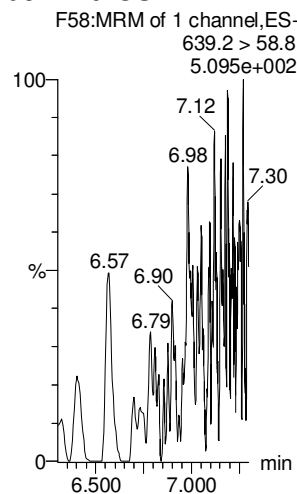
**13C2-PFHxDA**



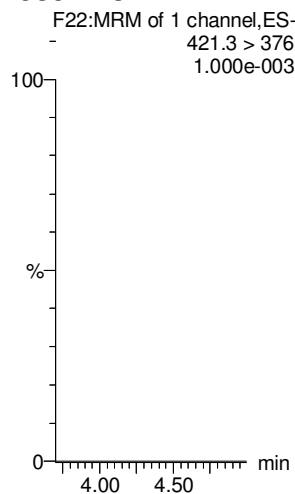
**d7-N-MeFOSE**



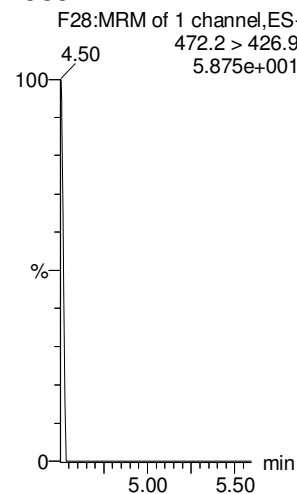
**d9-N-EtFOSE**



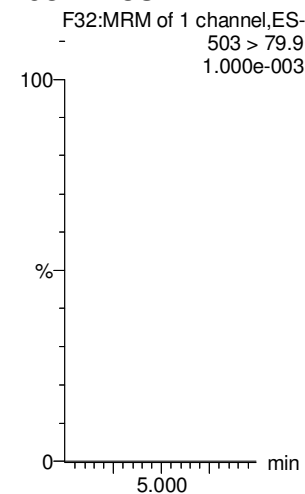
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



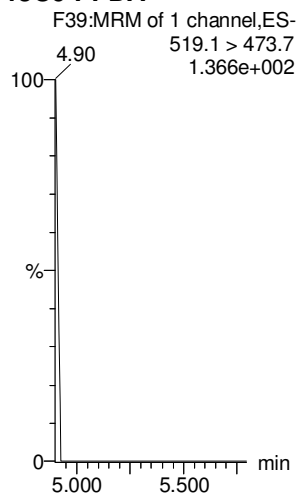
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Last Altered: Tuesday, March 20, 2018 14:35:07 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 14:38:51 Pacific Daylight Time

Name: 180320M1\_3, Date: 20-Mar-2018, Time: 13:04:00, ID: IPA, Description: IPA

13C6-PFDA



# LC Calibration Standards Review Checklist

Q4

		<del>NA</del> ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	<del>NA</del>
Calibration ID:	ST180320M2 - 1	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <i>DM 3/21/19</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 2	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 3	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 4	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 5	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (D)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 6	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (E)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 7	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (F)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID:	- 8	(L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (G)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calibration ID:		L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration ID:		L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Run Log Present:

# of Samples per Sequence Checked:

Instrument Blank Saved

IIS Area Saved

Reviewed By: DM 3/21/19  
Initials/Date

Full Mass Cal. Date: 3/7/18

Comments: 4:2 FTS, PFDS, PFNS not used.

(A) 8:2, PTT-DA, PFDA > 130%.  
1362 PTT-DA < 50%.

(B) PFDS, PFDA, PTT-DA, PFDA > 130%.

(C) 8:2, PTT-DA, 1360 PPSA, ds-ETOSKA, d9-ETOSKA above limit criteria.

(D) PTT-DA, PTT-DA, PTT-DA, PFDA > 130%.  
1362 PTT-DA, 1362 PTT-DA < 50%.

(E) PTT-DA, PFDA > 130%, PTT-DA < 50%.

(F) 8:2 FTS, PTT-DA > 130%. (G) PFDA, PTT-DA > 130%.  
1362 PTT-DA < 50%.

Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

Last Altered: Wednesday, March 21, 2018 13:56:54 Pacific Daylight Time  
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Ⓐ Not used KBF 3/21/18

JDM 3/21/18

KBF 3/21/18

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	3.45e2	3.82e3		1.56	1.41	1.13	0.994	99.4	NO	
2	2 PFPeA	263.1 > 218.9	6.61e2	8.05e3		2.54	2.37	1.03	0.952	95.2	NO	
3	3 PFBS	299.0 > 79.7	1.63e2	1.03e3		2.81	2.64	1.99	1.05	105.1	NO	
4	4 4:2 FTS	327.2 > 307.2	2.63e2	1.03e3		3.21	3.04	3.20	1.33	133.1	YES	Ⓐ
5	5 PFHxA	313.2 > 268.9	9.37e2	3.08e3		3.30	3.14	1.52	0.994	99.4	NO	
6	6 PFPeS	349.1 > 80.1	1.39e2	1.03e3		3.50	3.34	1.69	0.903	90.3	NO	Ⓐ
7	7 PFHpA	363.0 > 318.9	6.64e2	7.21e3		3.92	3.75	1.15	0.852	85.2	NO	
8	8 L-PFHxS	398.9 > 79.6	1.09e2	7.66e2		4.06	3.91	1.77	1.07	107.2	NO	
9	10 6:2 FTS	427.1 > 407	2.40e2	2.86e3		4.38	4.22	1.05	0.851	85.1	NO	
10	11 L-PFOA	413 > 368.7	8.70e2	9.97e3		4.29	4.27	1.09	0.998	99.8	NO	
11	13 PFHpS	449 > 80.0	1.43e2	9.97e3		4.54	4.39	0.179	0.929	92.9	NO	
12	14 PFNA	463.0 > 418.8	1.05e3	1.15e4		4.87	4.71	1.14	0.996	99.6	NO	
13	15 PFOSA	498.1 > 77.8	2.55e2	2.86e3		4.93	4.77	1.12	0.971	97.1	NO	
14	16 L-PFOS	499 > 79.9	1.85e2	2.36e3		4.81	4.79	0.982	1.07	106.8	NO	
15	18 PFDA	513 > 468.8	1.28e3	1.13e4		5.24	5.08	1.42	1.15	115.1	NO	
16	19 8:2 FTS	527 > 506.9	2.68e2	1.85e3		5.21	5.05	1.82	1.10	110.0	NO	
17	20 PFNS	549.1 > 80.1		2.36e3								Ⓐ
18	21 N-MeFOSAA	570.1 > 419	5.41e2	5.08e3		5.39	5.24	1.33	0.960	96.0	NO	
19	22 N-EtFOSAA	584.2 > 419	5.50e2	6.04e3		5.55	5.39	1.14	1.11	111.2	NO	
20	23 PFUdA	563.0 > 518.9	9.43e2	1.21e4		5.56	5.41	0.971	0.910	91.0	NO	
21	24 PFDS	598.8 > 80	1.60e2	1.21e4		5.61	5.45	0.164	0.853	85.3	NO	
22	25 PFDoA	612.9 > 569.0	1.45e3	1.03e4		5.84	5.69	1.75	1.16	115.7	NO	
23	26 N-MeFOSA	512.1 > 168.9	4.68e2	1.29e4		6.00	5.79	5.45	5.68	113.7	NO	
24	27 PFTrDA	662.9 > 618.9	1.30e3	1.03e4		6.10	5.94	1.57	1.14	113.8	NO	
25	28 PFTeDA	712.9 > 668.8	9.81e2	5.33e3		6.30	6.15	2.30	1.27	127.3	NO	
26	29 N-EtFOSA	526.1 > 168.9	5.23e2	1.87e4		6.38	6.20	4.20	4.62	92.4	NO	
27	30 PFHxDA	813.1 > 768.6	5.25e2	4.97e3		6.62	6.48	0.528	0.984	98.4	NO	
28	31 PFODA	913.1 > 868.8	1.24e3	4.97e3		6.85	6.71	1.24	1.18	117.7	NO	
29	32 N-MeFOSE	616.1 > 58.9	5.66e2	1.67e4		6.50	6.35	5.08	5.81	116.3	NO	
30	33 N-EtFOSE	630.1 > 58.9	7.06e2	1.80e4		6.65	6.50	5.89	5.24	104.7	NO	
31	34 13C3-PFBA	216.1 > 171.8	3.82e3	4.28e3	0.865	1.56	1.41	11.2	12.9	103.2	NO	



Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

Last Altered: Wednesday, March 21, 2018 13:56:54 Pacific Daylight Time  
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	8.05e3	1.02e4	0.824	2.54	2.37	9.90	12.0	96.1	NO
33	36 13C3-PFBS	302. > 98.8	1.03e3	1.02e4	0.097	2.81	2.64	1.26	13.1	104.7	NO
34	37 13C2-PFHxA	315 > 269.8	3.08e3	1.02e4	0.755	3.30	3.13	3.78	5.01	100.2	NO
35	38 13C4-PFHpA	367.2 > 321.8	7.21e3	1.02e4	0.705	3.92	3.75	8.87	12.6	100.6	NO
36	39 18O2-PFHxS	403.0 > 102.6	7.66e2	2.05e3	0.324	4.06	3.91	4.67	14.4	115.5	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	2.86e3	1.10e4	0.254	4.38	4.22	3.25	12.8	102.4	NO
38	41 13C2-PFOA	414.9 > 369.7	9.97e3	1.10e4	1.003	4.43	4.27	11.3	11.3	90.4	NO
39	42 13C5-PFNA	468.2 > 422.9	1.15e4	1.10e4	0.978	4.87	4.71	13.0	13.3	106.7	NO
40	43 13C8-PFOSA	506.1 > 77.7	2.86e3	1.17e4	0.219	4.93	4.77	3.06	14.0	111.9	NO
41	44 13C8-PFOS	507.0 > 79.9	2.36e3	2.11e3	1.049	4.95	4.79	13.9	13.3	106.3	NO
42	45 13C2-PFDA	515.1 > 469.9	1.13e4	1.06e4	1.023	5.24	5.08	13.3	13.0	103.7	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	1.85e3	1.02e4	0.224	5.21	5.05	2.27	10.1	81.1	NO
44	47 d3-N-MeFOSAA	573.3 > 419	5.08e3	1.17e4	0.395	5.39	5.23	5.44	13.8	110.3	NO
45	48 d5-N-EtFOSAA	589.3 > 419	6.04e3	1.17e4	0.425	5.55	5.39	6.47	15.2	121.9	NO
46	49 13C2-PFUdA	565 > 519.8	1.21e4	1.17e4	0.962	5.56	5.41	13.0	13.5	108.3	NO
47	50 13C2-PFDoA	615.0 > 569.7	1.03e4	1.17e4	0.879	5.84	5.69	11.1	12.6	100.9	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	1.29e4	1.17e4	0.092	6.00	5.82	13.8	151	100.5	NO
49	52 13C2-PFTeDA	714.8 > 669.6	5.33e3	1.17e4	0.697	6.30	6.15	5.72	8.21	65.7	NO
50	53 d5-N-ETFOSA	531.1 > 168.9	1.87e4	1.17e4	0.122	6.40	6.21	20.1	164	109.3	NO
51	54 13C2-PFHxDA	815 > 769.7	4.97e3	1.17e4	1.299	6.62	6.48	5.33	4.11	82.1	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	1.67e4	1.17e4	0.109	6.50	6.34	17.9	164	109.3	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	1.80e4	1.17e4	0.098	6.65	6.49	19.3	196	130.9	NO
54	57 13C4-PFBA	217. > 171.8	4.28e3	4.28e3	1.000	1.56	1.41	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	1.02e4	1.02e4	1.000	3.30	3.13	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	2.05e3	2.05e3	1.000	4.04	3.91	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	1.10e4	1.10e4	1.000	4.43	4.27	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	1.10e4	1.10e4	1.000	4.87	4.71	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	2.11e3	2.11e3	1.000	4.95	4.79	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	1.06e4	1.06e4	1.000	5.24	5.08	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	1.17e4	1.17e4	1.000	5.56	5.41	12.5	12.5	100.0	NO

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Dataset: Untitled

Last Altered: Wednesday, March 21, 2018 15:47:38 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 15:59:02 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180320M2_1	IPA	20-Mar-18	15:58:45
2	180320M2_2	ST180320M2-1 PFC CS0 18C1205	20-Mar-18	16:10:09
3	180320M2_3	IPA	20-Mar-18	16:21:36
4	180320M2_4	B8C0111-BS1 OPR 0.125	20-Mar-18	16:33:08
5	180320M2_5	B8C0111-BLK1 Method Blank 0.125	20-Mar-18	16:44:33
6	180320M2_6	1800356-01RE1 WI-AF-SB-FB-022018 0.10978	20-Mar-18	16:56:00
7	180320M2_7	1800356-02RE1 WI-AF-EB11-SO-0218 0.11714	20-Mar-18	17:07:27
8	180320M2_8	1800429-11RE1 REEPDW220FRB 0.1235	20-Mar-18	17:18:53
9	180320M2_9	1800431-01RE1 REEPDW221 0.12449	20-Mar-18	17:30:23
10	180320M2_10	1800431-02RE1 REEPDW222 0.11918	20-Mar-18	17:41:54
11	180320M2_11	1800431-03RE1 REEPDW226 0.12276	20-Mar-18	17:53:20
12	180320M2_12	1800431-04RE1 REEPDW228 0.12442	20-Mar-18	18:04:50
13	180320M2_13	1800431-05RE1 REEPDW223 0.11856	20-Mar-18	18:16:11
14	180320M2_14	1800431-06RE1 REEPDW224 0.11671	20-Mar-18	18:27:38
15	180320M2_15	1800431-07RE1 REEPDW225 0.11648	20-Mar-18	18:39:05
16	180320M2_16	1800431-08RE1 REEPDW227 0.1067	20-Mar-18	18:50:35
17	180320M2_17	B8C0088-MSD1 Matrix Spike Dup 0.12524	20-Mar-18	19:02:04
18	180320M2_18	B8C0088-MS1 Matrix Spike 0.12588	20-Mar-18	19:13:34
19	180320M2_19	B8C0088-BS1 OPR 0.125	20-Mar-18	19:25:03
20	180320M2_20	B8C0088-BLK1 Method Blank 0.125	20-Mar-18	19:36:33
21	180320M2_21	1800428-01RE1 REEPDW210 0.12153	20-Mar-18	19:48:00
22	180320M2_22	1800428-02RE1 REEPDW211 0.12345	20-Mar-18	19:59:27
23	180320M2_23	IPA	20-Mar-18	20:10:56
24	180320M2_24	ST180320M2-2 PFC CS3 18C1208	20-Mar-18	20:22:26
25	180320M2_25	IPA	20-Mar-18	20:33:53
26	180320M2_26	1800428-03RE1 REEPDW212 0.11944	20-Mar-18	20:45:24
27	180320M2_27	1800428-04RE1 REEPDW519 0.12061	20-Mar-18	20:56:53
28	180320M2_28	1800428-05RE1 REEPDW213 0.12452	20-Mar-18	21:08:23
29	180320M2_29	1800428-06RE1 REEPDW214 0.11992	20-Mar-18	21:19:52
30	180320M2_30	1800428-07RE1 REEPDW215 0.12107	20-Mar-18	21:31:22
31	180320M2_31	1800428-08RE1 REEPDW216 0.12021	20-Mar-18	21:42:49

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Last Altered: Wednesday, March 21, 2018 15:47:38 Pacific Daylight Time

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180320M2_32	1800428-09RE1 REEPDW217 0.12329	20-Mar-18	21:54:16
33	180320M2_33	1800428-10RE1 REEPDW218 0.12145	20-Mar-18	22:05:43
34	180320M2_34	1800428-11RE1 REEPDW219 0.11637	20-Mar-18	22:17:10
35	180320M2_35	1800428-12RE1 REEPDW220 0.12207	20-Mar-18	22:28:39
36	180320M2_36	IPA	20-Mar-18	22:40:07
37	180320M2_37	ST180320M2-3 PFC CS3 18C1208	20-Mar-18	22:51:34
38	180320M2_38	IPA	20-Mar-18	23:03:04
39	180320M2_39	1800428-13RE1 REEPDW520 0.12175	20-Mar-18	23:14:33
40	180320M2_40	1800438-01RE1 REEPDW229FRB 0.11988	20-Mar-18	23:26:02
41	180320M2_41	1800438-02RE1 REEPDW230FRB 0.12349	20-Mar-18	23:37:32
42	180320M2_42	1800438-03RE1 REEPDW231FRB 0.12317	20-Mar-18	23:49:02
43	180320M2_43	1800438-04RE1 REEPDW235FRB 0.12052	21-Mar-18	00:00:31
44	180320M2_44	1800438-05RE1 REEPDW232FRB 0.12556	21-Mar-18	00:12:01
45	180320M2_45	1800438-06RE1 REEPDW233FRB 0.12276	21-Mar-18	00:23:31
46	180320M2_46	1800438-07RE1 REEPDW234FRB 0.11745	21-Mar-18	00:35:01
47	180320M2_47	B8C0098-BS1 OPR 0.125	21-Mar-18	00:46:28
48	180320M2_48	B8C0098-BLK1 Method Blank 0.125	21-Mar-18	00:57:55
49	180320M2_49	1800476-01 DGD-MB1A 0.12799	21-Mar-18	01:09:21
50	180320M2_50	1800476-02 DGD-MB1B 0.12013	21-Mar-18	01:20:51
51	180320M2_51	1800476-03 DGD-MB2B 0.12817	21-Mar-18	01:32:20
52	180320M2_52	1800476-04 DGD-MB2A 0.13192	21-Mar-18	01:43:49
53	180320M2_53	1800476-05 DGD-MW104 0.13496	21-Mar-18	01:55:19
54	180320M2_54	1800477-01 SOURCE SAMPLE TAP/GRW 1/P...	21-Mar-18	02:06:48
55	180320M2_55	1800477-02 SOURCE SAMPLE TAP/GRW 2/P...	21-Mar-18	02:18:17
56	180320M2_56	B8C0091-BLK1 Method Blank 0.125	21-Mar-18	02:29:46
57	180320M2_57	B8C0091-BS1 OPR 0.125	21-Mar-18	02:41:16
58	180320M2_58	B8C0091-BSD1 LCSD 0.125	21-Mar-18	02:52:46
59	180320M2_59	1701882-02RE2 WI-A06-6-I-01-1217-TOP 0.12...	21-Mar-18	03:04:14
60	180320M2_60	1701882-04RE2 WI-A06-EB01-120517-TOP 0....	21-Mar-18	03:15:41
61	180320M2_61	1701882-06RE2 WI-A06-EB02-120517-TOP 0....	21-Mar-18	03:27:08
62	180320M2_62	1701882-08RE2 WI-A06-EFF01-1217-TOP 0.11...	21-Mar-18	03:38:35
63	180320M2_63	IPA	21-Mar-18	03:50:02
64	180320M2_64	ST180320M2-4 PFC CS3 18C1208	21-Mar-18	04:01:29
65	180320M2_65	ST180320M2-5 PFC CS0 18C1205	21-Mar-18	04:12:56

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Dataset: Untitled

Last Altered: Wednesday, March 21, 2018 15:47:38 Pacific Daylight Time

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180320M2_66	IPA	21-Mar-18	04:24:26
67	180320M2_67	1701882-10RE2 WI-A06-EFF01P-1217-TOP 0....	21-Mar-18	04:35:55
68	180320M2_68	1701882-12RE2 WI-A06-INF01-1217-TOP 0.12...	21-Mar-18	04:47:22
69	180320M2_69	1701882-14RE2 WI-A06-P-4-1217-TOP 0.11625	21-Mar-18	04:58:51
70	180320M2_70	1701882-16RE2 WI-A06-6-I-03-1217-TOP 0.12...	21-Mar-18	05:10:20
71	180320M2_71	B8C0084-BS1 OPR 0.25	21-Mar-18	05:21:51
72	180320M2_72	B8C0084-BLK1 Method Blank 0.25	21-Mar-18	05:33:17
73	180320M2_73	1800399-01RE1 WR1802281435MK 0.26312	21-Mar-18	05:44:46
74	180320M2_74	1800399-02RE1 WR1802281515JLB 0.26238	21-Mar-18	05:56:13
75	180320M2_75	1800399-03RE1 WR1802281610MK 0.25565	21-Mar-18	06:07:42
76	180320M2_76	1800400-01RE1 WR1802281025MK 0.25768	21-Mar-18	06:19:11
77	180320M2_77	1800400-02RE1 WR1802281040MK 0.25528	21-Mar-18	06:30:38
78	180320M2_78	1800400-03RE1 WR1802281100MK 0.25604	21-Mar-18	06:42:05
79	180320M2_79	IPA	21-Mar-18	06:53:31
80	180320M2_80	ST180320M2-6 PFC CS3 18C1208	21-Mar-18	07:04:58
81	180320M2_81	IPA	21-Mar-18	07:16:25
82	180320M2_82	1800400-04RE1 WR1802281120MK 0.25456	21-Mar-18	07:27:52
83	180320M2_83	1800400-05RE1 WR1802281215MK 0.26219	21-Mar-18	07:39:22
84	180320M2_84	1800400-06RE1 WR1802281300MK 0.25733	21-Mar-18	07:50:52
85	180320M2_85	1800400-07RE1 FB1802281305MK 0.25345	21-Mar-18	08:02:22
86	180320M2_86	1800423-01RE1 GW1216180301RAP 0.25696	21-Mar-18	08:13:49
87	180320M2_87	1800423-02RE1 GW2226180301RAP 0.25742	21-Mar-18	08:25:19
88	180320M2_88	1800423-03RE1 GW3236180302RAP 0.24691	21-Mar-18	08:36:48
89	180320M2_89	1800423-04RE1 GW4246180302RAP 0.25259	21-Mar-18	08:48:18
90	180320M2_90	1800423-05RE1 GW5256180302RAP 0.25316	21-Mar-18	08:59:48
91	180320M2_91	1800427-01RE1 WR1803051300JLB 0.24178	21-Mar-18	09:11:17
92	180320M2_92	IPA	21-Mar-18	09:22:46
93	180320M2_93	ST180320M2-7 PFC CS3 18C1208	21-Mar-18	09:34:16
94	180320M2_94	IPA	21-Mar-18	09:45:46
95	180320M2_95	B8C0094-BS1 OPR 0.25	21-Mar-18	09:57:16
96	180320M2_96	B8C0094-BLK1 Method Blank 0.25	21-Mar-18	10:08:42
97	180320M2_97	1800487-01 GW0509180308RAP 0.2483	21-Mar-18	10:20:09
98	180320M2_98	1800487-02 GW1519180308RAP 0.26133	21-Mar-18	10:31:31
99	180320M2_99	1800487-03 GW2529180308RAP 0.25663	21-Mar-18	10:42:57

Dataset: Untitled

Last Altered: Wednesday, March 21, 2018 15:47:38 Pacific Daylight Time

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180320M2_100	1800487-04 GW3539180309RAP 0.27044	21-Mar-18	10:54:24
101	180320M2_101	1800487-05 FD-GW4145180309RAP 0.27054	21-Mar-18	11:05:54
102	180320M2_102	1800487-06 GW4145180309RAP 0.26997	21-Mar-18	11:17:24
103	180320M2_103	1800487-07 GW5357180309RAP 0.26272	21-Mar-18	11:28:51
104	180320M2_104	IPA	21-Mar-18	11:40:18
105	180320M2_105	ST180320M2-8 PFC CS3 18C1208	21-Mar-18	11:51:47
106	180320M2_106	IPA	21-Mar-18	12:03:14

Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

**(A)** not used *KBF 3/21/18*

Last Altered: Wednesday, March 21, 2018 13:56:54 Pacific Daylight Time

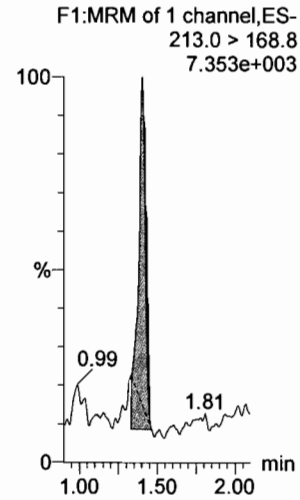
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

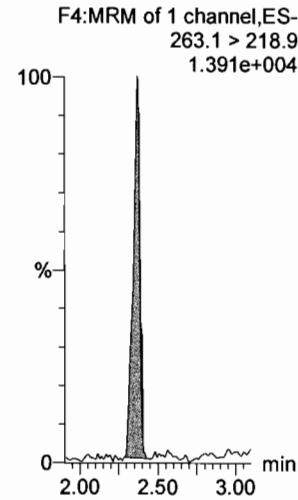
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

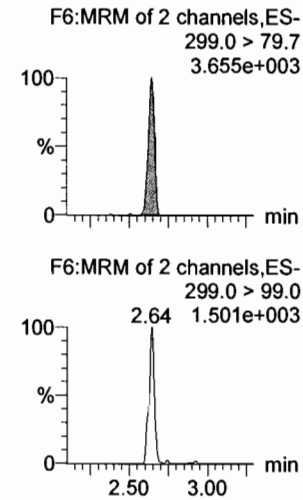
**PFBA**



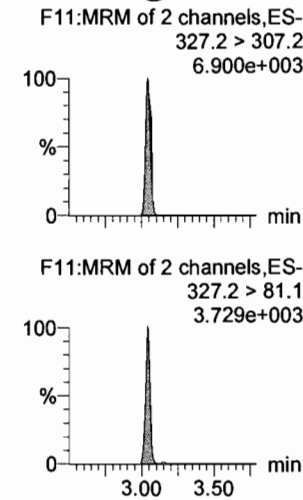
**PFPeA**



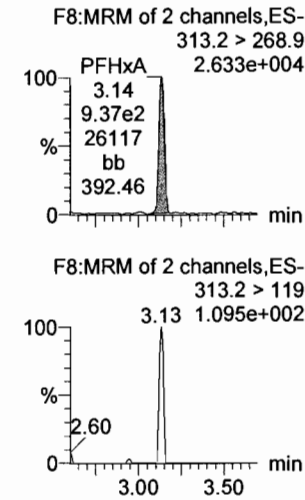
**PFBS**



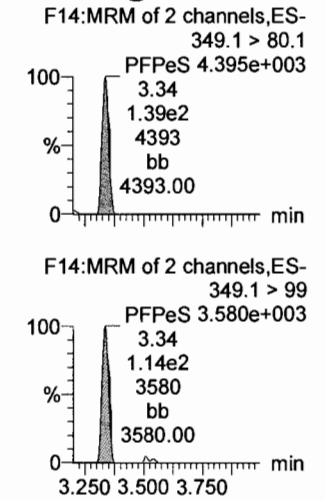
**4:2 FTS (A)**



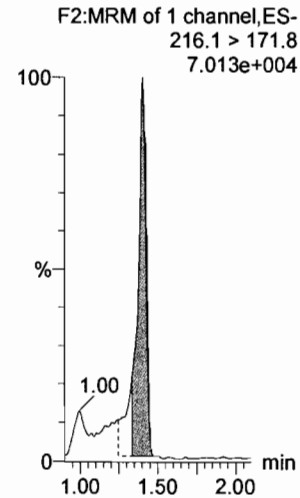
**PFHxA**



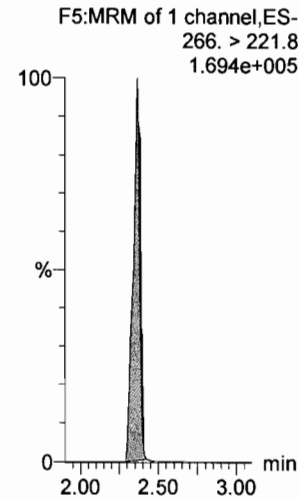
**PFPeS (A)**



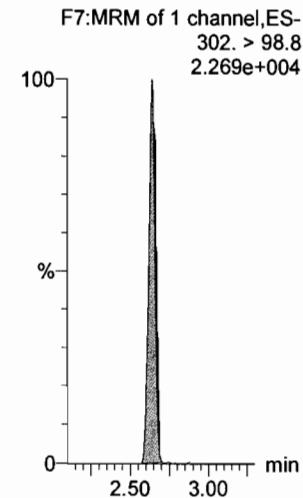
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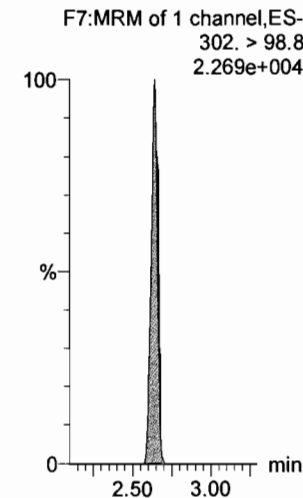
**13C3-PFPeA**



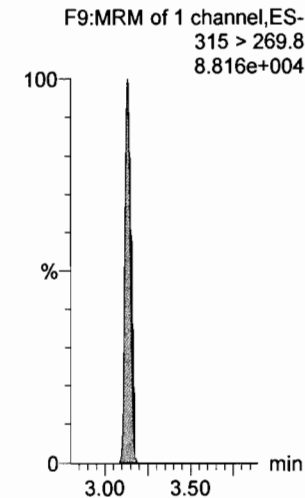
**13C3-PFBS**



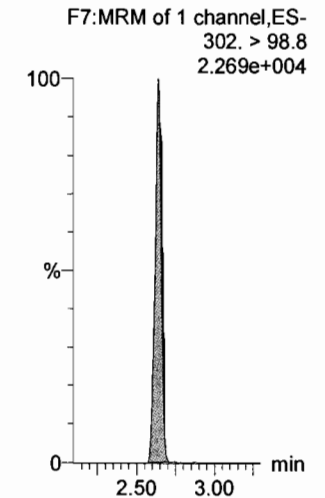
**13C3-PFBS**



**13C2-PFHxA**



**13C3-PFBS**



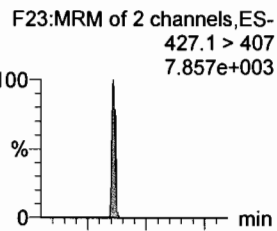
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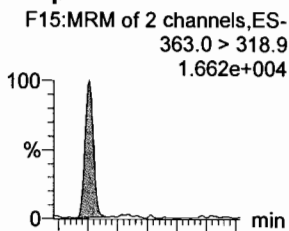
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

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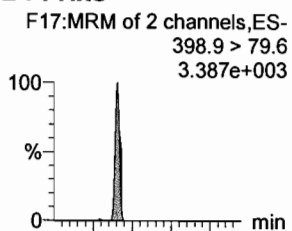
**6:2 FTS**



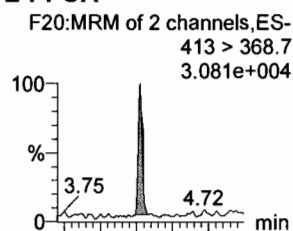
**PFHpA**



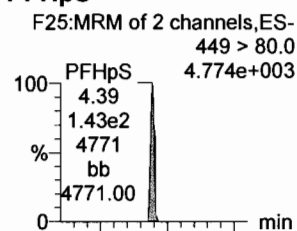
**L-PFHxS**



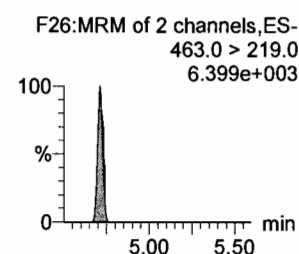
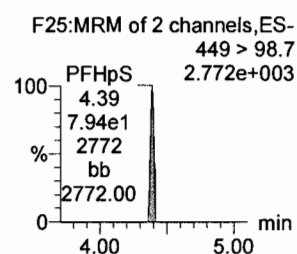
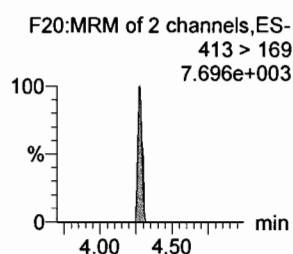
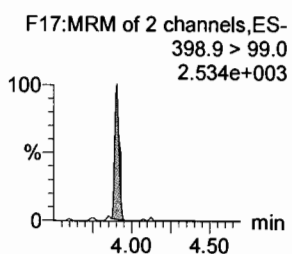
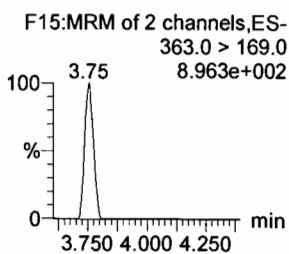
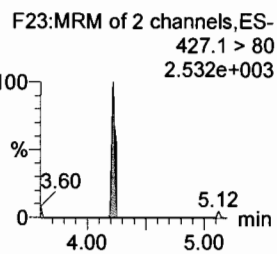
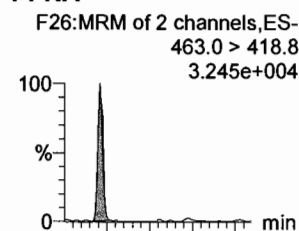
**L-PFOA**



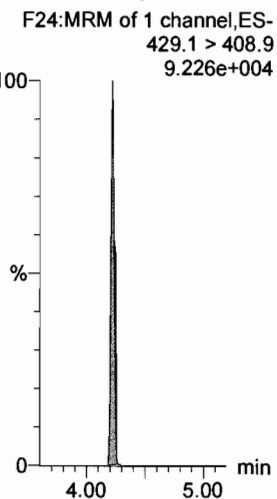
**PFHpS**



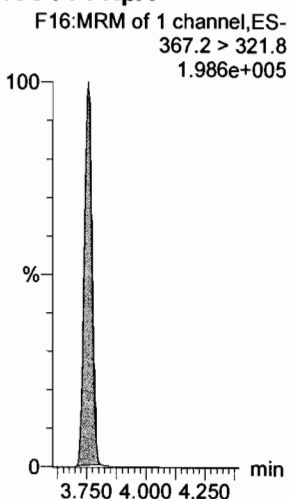
**PFNA**



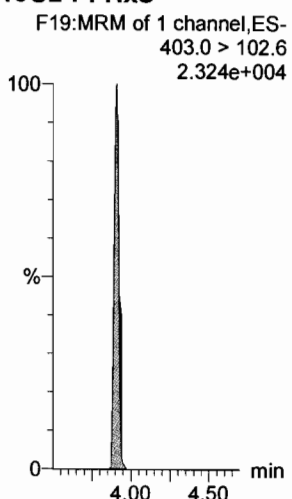
**13C2-6:2 FTS**



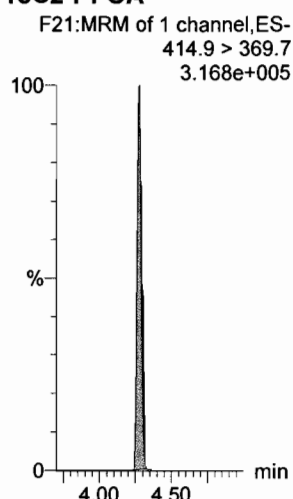
**13C4-PFHpA**



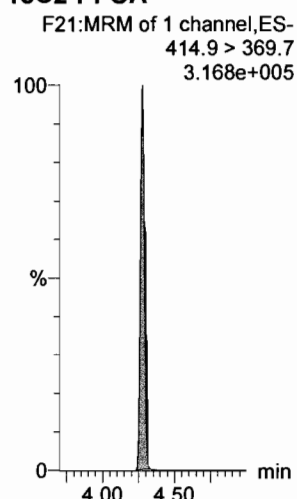
**18O2-PFHxS**



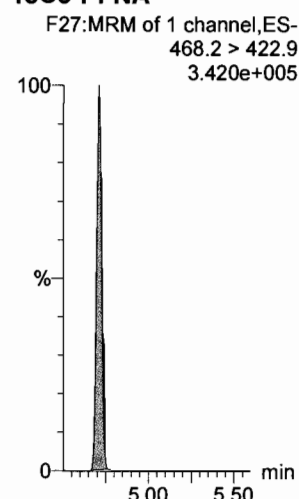
**13C2-PFOA**



**13C2-PFOA**



**13C5-PFNA**



Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

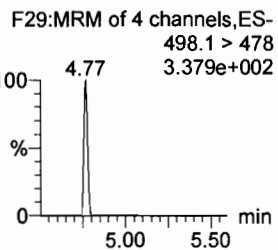
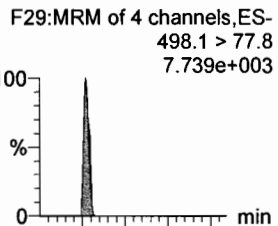
Ⓐ not used KBF 3/21/18

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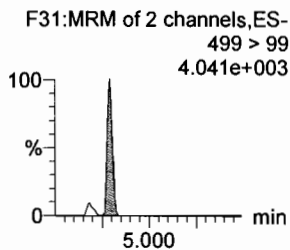
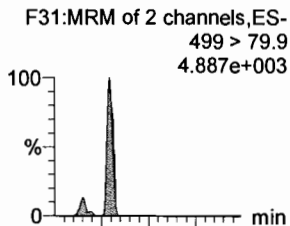
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

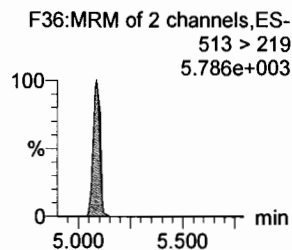
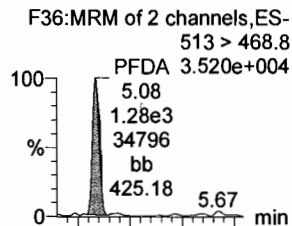
**PFOSA**



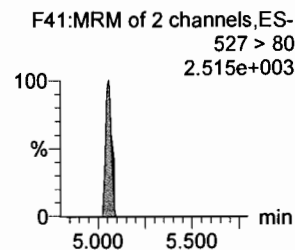
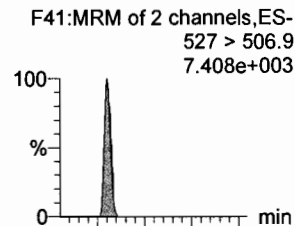
**L-PFOS**



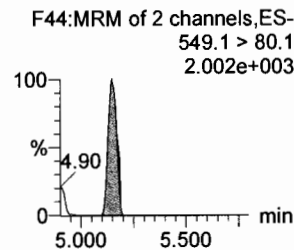
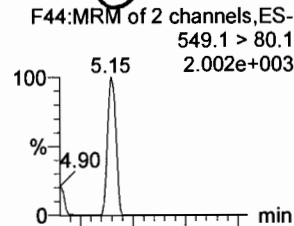
**PFDA**



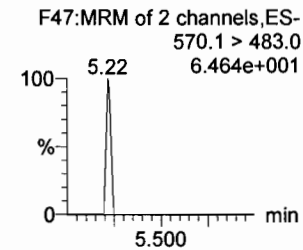
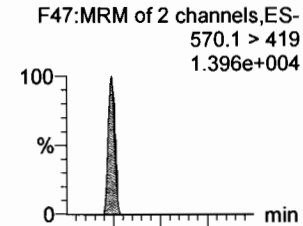
**8:2 FTS**



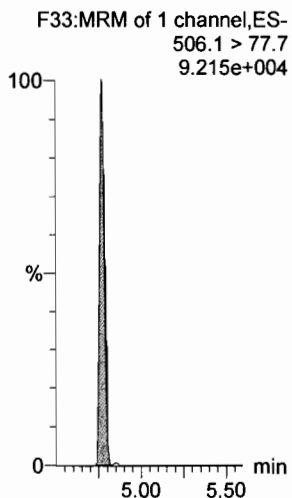
**PFNS** Ⓐ



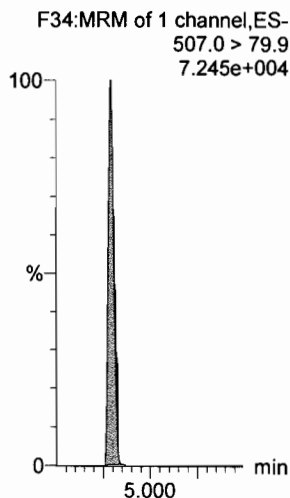
**N-MeFOSAA**



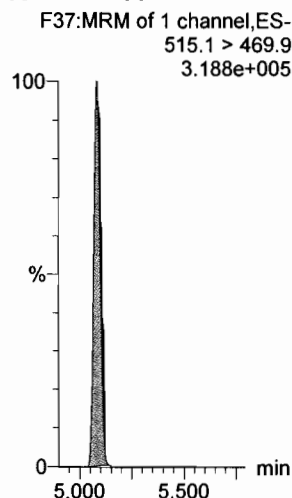
**13C8-PFOSA**



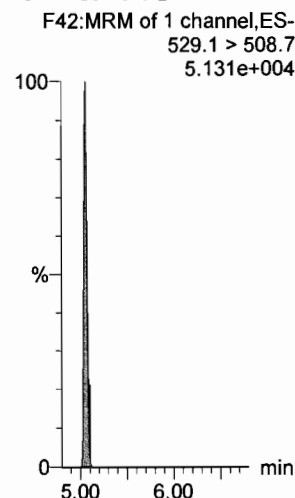
**13C8-PFOS**



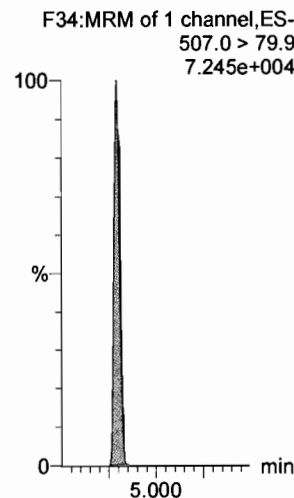
**13C2-PFDA**



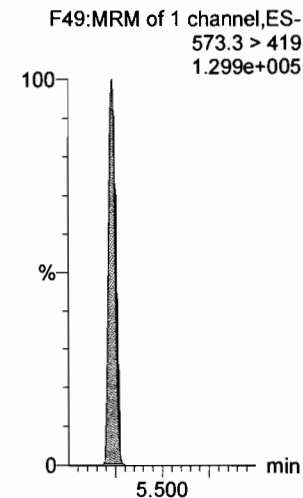
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**





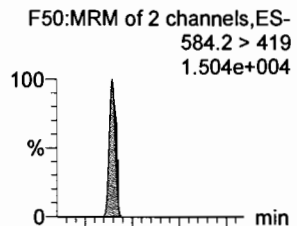
Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

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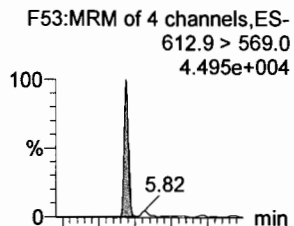
Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

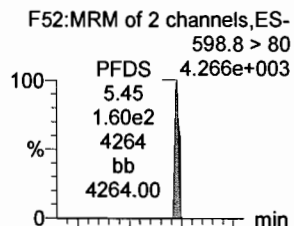
**N-EtFOSAA**



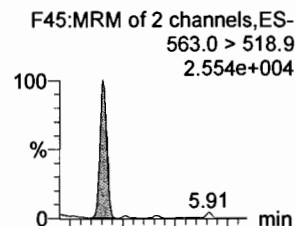
**PFDaA**



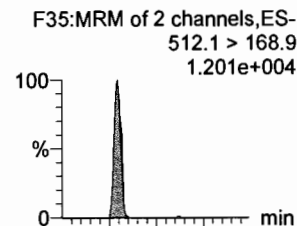
**PFDS**



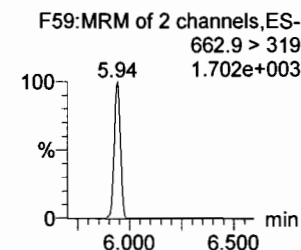
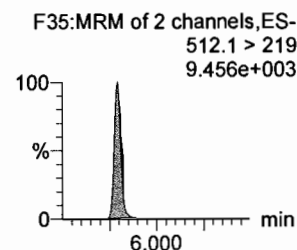
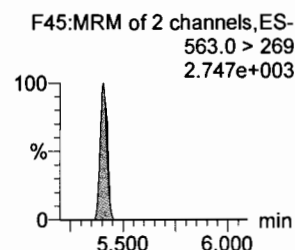
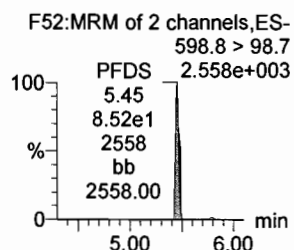
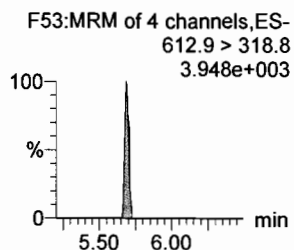
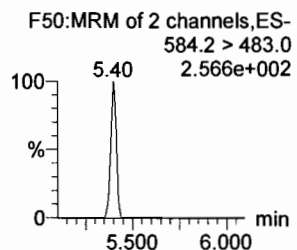
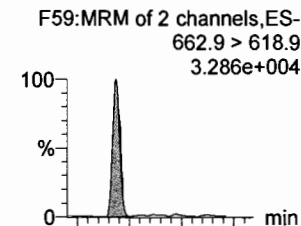
**PFUdA**



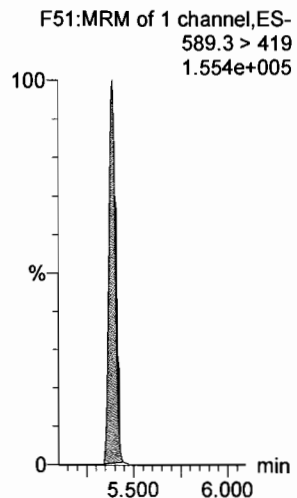
**N-MeFOSA**



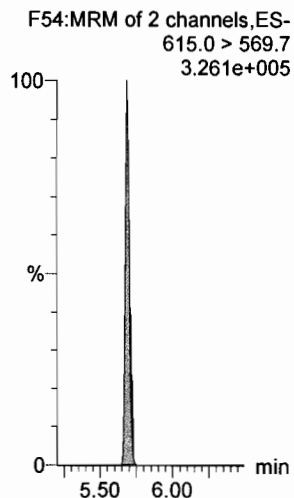
**PFTrDA**



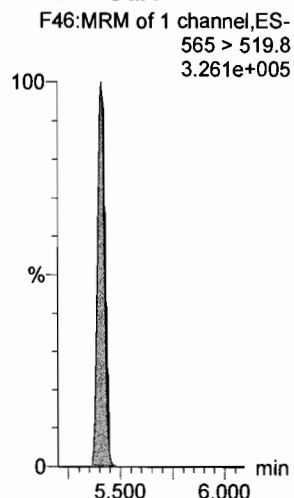
**d5-N-EtFOSAA**



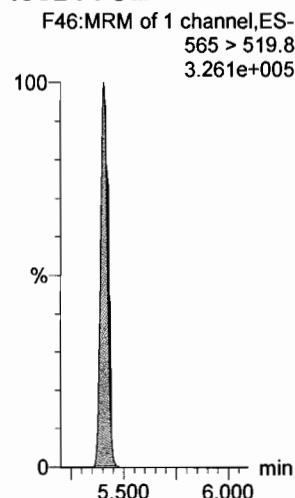
**13C2-PFDaA**



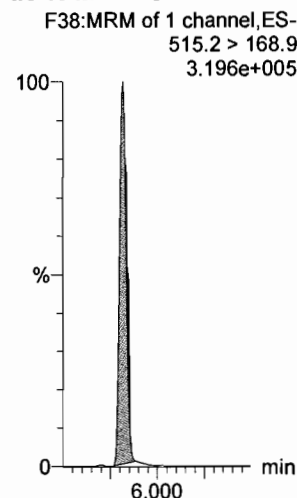
**13C2-PFUdA**



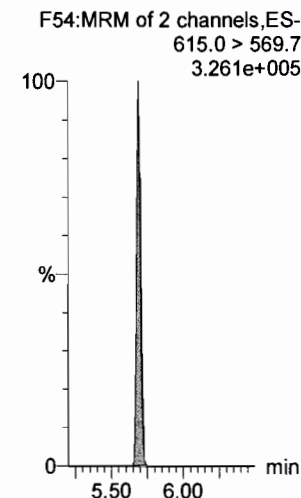
**13C2-PFUdA**



**d3-N-MeFOSA**



**13C2-PFDaA**

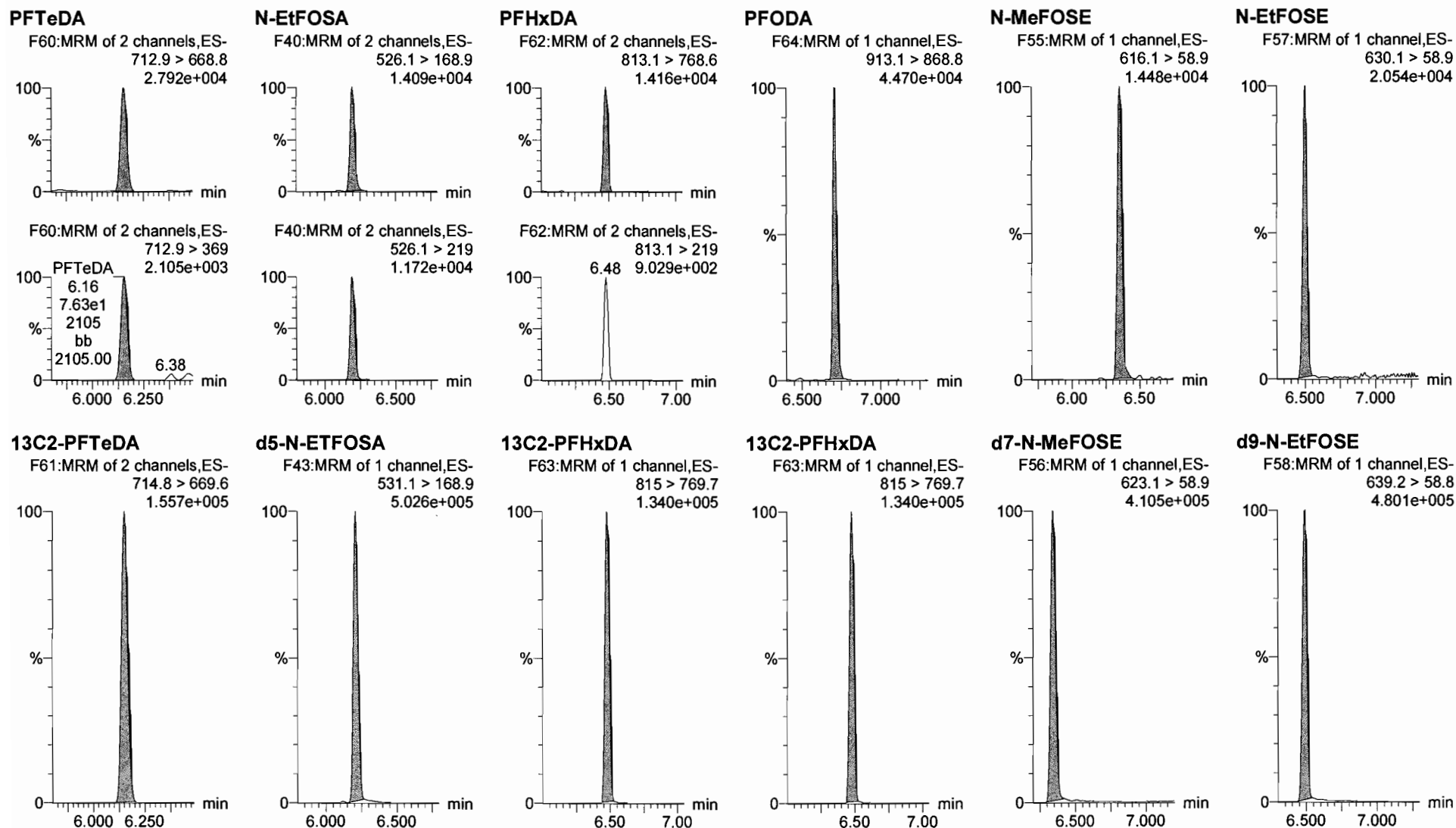


Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

Last Altered: Wednesday, March 21, 2018 13:56:54 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205



Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-2.qld

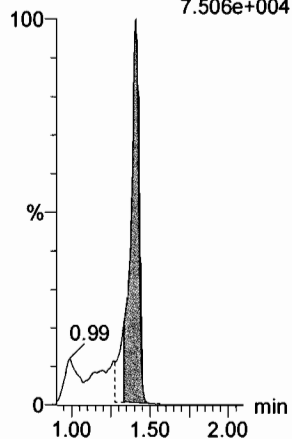
Last Altered: Wednesday, March 21, 2018 13:56:54 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 13:58:28 Pacific Daylight Time

Name: 180320M2\_2, Date: 20-Mar-2018, Time: 16:10:09, ID: ST180320M2-1 PFC CS0 18C1205, Description: PFC CS0 18C1205

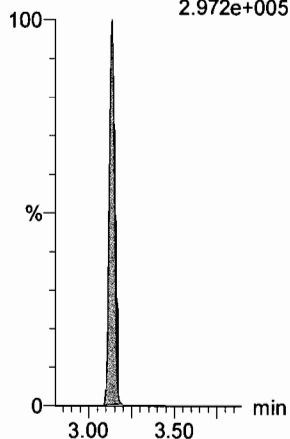
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
7.506e+004



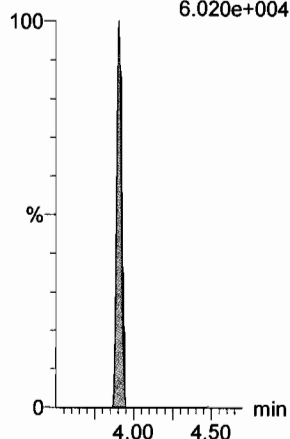
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
2.972e+005



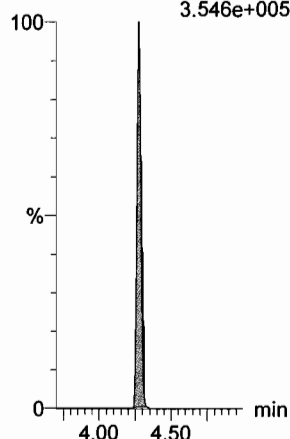
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
6.020e+004



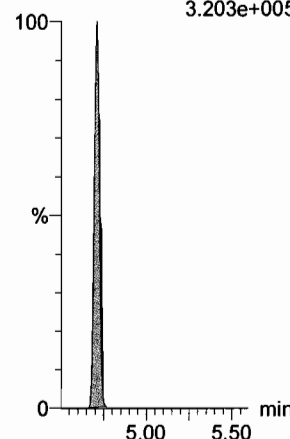
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
3.546e+005



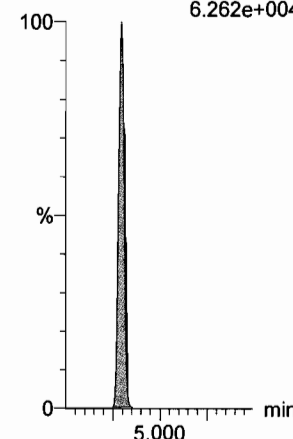
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
3.203e+005



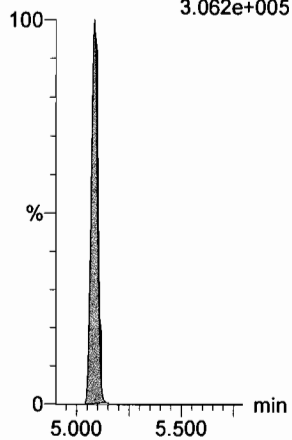
**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
6.262e+004



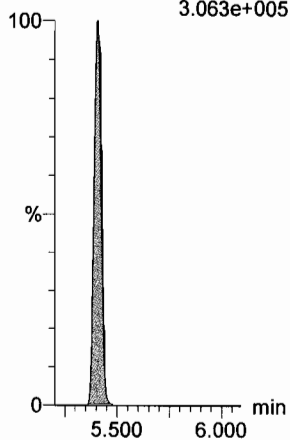
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.062e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.063e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

Ⓐ Not used KBF 3/21/18

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

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✓ Wm 3/21/18

KBF 3/21/18

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Ⓑ Above limit criteria  
Ⓒ Below limit criteria

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	4.29e3	4.64e3		1.56	1.41	11.5	9.83	98.3	NO	
2	2 PFPeA	263.1 > 218.9	7.40e3	8.84e3		2.54	2.37	10.5	9.85	98.5	NO	
3	3 PFBS	299.0 > 79.7	1.70e3	1.11e3		2.81	2.65	19.2	10.4	103.7	NO	
4	4 4:2 FTS	327.2 > 307.2	2.05e3	1.11e3		3.21	3.05	23.2	9.48	94.8	NO	Ⓐ
5	5 PFHxA	313.2 > 268.9	9.60e3	2.98e3		3.30	3.14	16.1	10.6	106.0	NO	
6	6 PFPeS	349.1 > 80.1	1.74e3	1.11e3		3.50	3.34	19.6	9.83	98.3	NO	Ⓐ
7	7 PFHpA	363.0 > 318.9	7.99e3	7.36e3		3.92	3.76	13.6	10.1	101.1	NO	
8	8 L-PFHxS	398.9 > 79.6	1.41e3	7.90e2		4.06	3.91	22.3	10.8	108.1	NO	
9	10 6:2 FTS	427.1 > 407	2.86e3	2.80e3		4.38	4.22	12.8	12.7	126.6	NO	
10	11 L-PFOA	413 > 368.7	9.10e3	1.10e4		4.29	4.28	10.3	10.3	102.5	NO	
11	13 PFHpS	449 > 80.0	2.02e3	1.10e4		4.54	4.39	2.30	10.9	108.9	NO	
12	14 PFNA	463.0 > 418.8	1.00e4	1.24e4		4.87	4.72	10.1	8.82	88.2	NO	
13	15 PFOSA	498.1 > 77.8	2.77e3	3.51e3		4.93	4.77	9.85	9.58	95.8	NO	
14	16 L-PFOS	499 > 79.9	1.74e3	2.49e3		4.81	4.80	8.72	8.10	81.0	NO	
15	18 PFDA	513 > 468.8	9.79e3	1.01e4		5.24	5.09	12.1	9.75	97.5	NO	
16	19 8:2 FTS	527 > 506.9	2.91e3	1.72e3		5.21	5.06	21.1	13.7	136.7	YES	Ⓑ
17	20 PFNS	549.1 > 80.1		2.49e3								Ⓐ
18	21 N-MeFOSAA	570.1 > 419	5.39e3	5.26e3		5.39	5.24	12.8	8.43	84.3	NO	
19	22 N-EtFOSAA	584.2 > 419	5.13e3	5.77e3		5.55	5.40	11.1	11.1	111.3	NO	
20	23 PFUdA	563.0 > 518.9	1.03e4	1.14e4		5.56	5.41	11.3	10.7	106.8	NO	
21	24 PFDS	598.8 > 80	2.11e3	1.14e4		5.61	5.46	2.32	11.7	116.6	NO	
22	25 PFDoA	612.9 > 569.0	1.28e4	8.80e3		5.84	5.69	18.2	11.8	118.1	NO	
23	26 N-MeFOSA	512.1 > 168.9	4.85e3	1.36e4		6.00	5.80	53.6	58.9	117.9	NO	
24	27 PFTriDA	662.9 > 618.9	1.24e4	8.80e3		6.10	5.94	17.7	11.0	109.6	NO	
25	28 PFTeDA	712.9 > 668.8	9.27e3	3.91e3		6.30	6.15	29.7	16.7	167.1	YES	Ⓑ
26	29 N-EtFOSA	526.1 > 168.9	6.20e3	2.03e4		6.38	6.19	45.8	51.6	103.1	NO	
27	30 PFHxDA	813.1 > 768.6	3.58e3	3.60e3		6.62	6.48	4.97	10.4	104.2	NO	
28	31 PFODA	913.1 > 868.8	1.08e4	3.60e3		6.85	6.71	15.0	14.0	140.3	YES	Ⓑ
29	32 N-MeFOSE	616.1 > 58.9	5.31e3	1.75e4		6.50	6.35	45.6	49.9	99.7	NO	
30	33 N-EtFOSE	630.1 > 58.9	7.06e3	1.73e4		6.65	6.50	61.2	52.6	105.2	NO	
31	34 13C3-PFBA	216.1 > 171.8	4.64e3	5.26e3	0.865	1.56	1.41	11.0	12.7	102.0	NO	

Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	8.84e3	1.02e4	0.824	2.54	2.37	10.9	13.2	105.3	NO
33	36 13C3-PFBS	302. > 98.8	1.11e3	1.02e4	0.097	2.81	2.65	1.36	14.1	112.6	NO
34	37 13C2-PFHxA	315 > 269.8	2.98e3	1.02e4	0.755	3.30	3.14	3.66	4.85	97.0	NO
35	38 13C4-PFHpA	367.2 > 321.8	7.36e3	1.02e4	0.705	3.92	3.76	9.03	12.8	102.5	NO
36	39 18O2-PFHxS	403.0 > 102.6	7.90e2	2.34e3	0.324	4.06	3.91	4.22	13.0	104.3	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	2.80e3	1.14e4	0.254	4.38	4.22	3.08	12.1	97.0	NO
38	41 13C2-PFOA	414.9 > 369.7	1.10e4	1.14e4	1.003	4.43	4.28	12.1	12.1	96.5	NO
39	42 13C5-PFNA	468.2 > 422.9	1.24e4	1.21e4	0.978	4.87	4.71	12.9	13.1	105.1	NO
40	43 13C8-PFOA	506.1 > 77.7	3.51e3	1.13e4	0.219	4.93	4.78	3.87	17.7	141.3	NO
41	44 13C8-PFOS	507.0 > 79.9	2.49e3	2.36e3	1.049	4.95	4.80	13.2	12.6	100.8	NO
42	45 13C2-PFDA	515.1 > 469.9	1.01e4	8.29e3	1.023	5.24	5.09	15.3	14.9	119.5	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	1.72e3	1.02e4	0.224	5.21	5.06	2.12	9.44	75.6	NO
44	47 d3-N-MeFOSAA	573.3 > 419	5.26e3	1.13e4	0.395	5.39	5.23	5.80	14.7	117.6	NO
45	48 d5-N-EtFOSAA	589.3 > 419	5.77e3	1.13e4	0.425	5.55	5.39	6.36	15.0	119.8	NO
46	49 13C2-PFUdA	565 > 519.8	1.14e4	1.13e4	0.962	5.56	5.41	12.5	13.0	104.1	NO
47	50 13C2-PFDoA	615.0 > 569.7	8.80e3	1.13e4	0.879	5.84	5.69	9.69	11.0	88.2	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	1.36e4	1.13e4	0.092	6.00	5.82	14.9	163	108.8	NO
49	52 13C2-PFTeDA	714.8 > 669.6	3.91e3	1.13e4	0.697	6.30	6.15	4.30	6.18	49.4	YES <sup>50</sup> 3/21/18
50	53 d5-N-ETFOSA	531.1 > 168.9	2.03e4	1.13e4	0.122	6.40	6.21	22.4	183	122.0	NO
51	54 13C2-PFHxDA	815 > 769.7	3.60e3	1.13e4	1.299	6.62	6.48	3.97	3.06	61.1	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	1.75e4	1.13e4	0.109	6.50	6.35	19.2	176	117.2	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	1.73e4	1.13e4	0.098	6.65	6.49	19.1	194	129.5	NO
54	57 13C4-PFBA	217. > 171.8	5.26e3	5.26e3	1.000	1.56	1.41	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	1.02e4	1.02e4	1.000	3.30	3.14	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	2.34e3	2.34e3	1.000	4.04	3.91	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	1.14e4	1.14e4	1.000	4.43	4.28	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	1.21e4	1.21e4	1.000	4.87	4.71	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	2.36e3	2.36e3	1.000	4.95	4.80	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	8.29e3	8.29e3	1.000	5.24	5.09	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	1.13e4	1.13e4	1.000	5.56	5.41	12.5	12.5	100.0	NO

Dataset: Untitled

Last Altered: Wednesday, March 21, 2018 15:47:38 Pacific Daylight Time

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12  
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
1	180320M2_1	IPA	20-Mar-18	15:58:45
2	180320M2_2	ST180320M2-1 PFC CS0 18C1205	20-Mar-18	16:10:09
3	180320M2_3	IPA	20-Mar-18	16:21:36
4	180320M2_4	B8C0111-BS1 OPR 0.125	20-Mar-18	16:33:08
5	180320M2_5	B8C0111-BLK1 Method Blank 0.125	20-Mar-18	16:44:33
6	180320M2_6	1800356-01RE1 WI-AF-SB-FB-022018 0.10978	20-Mar-18	16:56:00
7	180320M2_7	1800356-02RE1 WI-AF-EB11-SO-0218 0.11714	20-Mar-18	17:07:27
8	180320M2_8	1800429-11RE1 REEPDW220FRB 0.1235	20-Mar-18	17:18:53
9	180320M2_9	1800431-01RE1 REEPDW221 0.12449	20-Mar-18	17:30:23
10	180320M2_10	1800431-02RE1 REEPDW222 0.11918	20-Mar-18	17:41:54
11	180320M2_11	1800431-03RE1 REEPDW226 0.12276	20-Mar-18	17:53:20
12	180320M2_12	1800431-04RE1 REEPDW228 0.12442	20-Mar-18	18:04:50
13	180320M2_13	1800431-05RE1 REEPDW223 0.11856	20-Mar-18	18:16:11
14	180320M2_14	1800431-06RE1 REEPDW224 0.11671	20-Mar-18	18:27:38
15	180320M2_15	1800431-07RE1 REEPDW225 0.11648	20-Mar-18	18:39:05
16	180320M2_16	1800431-08RE1 REEPDW227 0.1067	20-Mar-18	18:50:35
17	180320M2_17	B8C0088-MSD1 Matrix Spike Dup 0.12524	20-Mar-18	19:02:04
18	180320M2_18	B8C0088-MS1 Matrix Spike 0.12588	20-Mar-18	19:13:34
19	180320M2_19	B8C0088-BS1 OPR 0.125	20-Mar-18	19:25:03
20	180320M2_20	B8C0088-BLK1 Method Blank 0.125	20-Mar-18	19:36:33
21	180320M2_21	1800428-01RE1 REEPDW210 0.12153	20-Mar-18	19:48:00
22	180320M2_22	1800428-02RE1 REEPDW211 0.12345	20-Mar-18	19:59:27
23	180320M2_23	IPA	20-Mar-18	20:10:56
24	180320M2_24	ST180320M2-2 PFC CS3 18C1208	20-Mar-18	20:22:26
25	180320M2_25	IPA	20-Mar-18	20:33:53
26	180320M2_26	1800428-03RE1 REEPDW212 0.11944	20-Mar-18	20:45:24
27	180320M2_27	1800428-04RE1 REEPDW519 0.12061	20-Mar-18	20:56:53
28	180320M2_28	1800428-05RE1 REEPDW213 0.12452	20-Mar-18	21:08:23
29	180320M2_29	1800428-06RE1 REEPDW214 0.11992	20-Mar-18	21:19:52
30	180320M2_30	1800428-07RE1 REEPDW215 0.12107	20-Mar-18	21:31:22
31	180320M2_31	1800428-08RE1 REEPDW216 0.12021	20-Mar-18	21:42:49

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180320M2_32	1800428-09RE1 REEPDW217 0.12329	20-Mar-18	21:54:16
33	180320M2_33	1800428-10RE1 REEPDW218 0.12145	20-Mar-18	22:05:43
34	180320M2_34	1800428-11RE1 REEPDW219 0.11637	20-Mar-18	22:17:10
35	180320M2_35	1800428-12RE1 REEPDW220 0.12207	20-Mar-18	22:28:39
36	180320M2_36	IPA	20-Mar-18	22:40:07
37	180320M2_37	ST180320M2-3 PFC CS3 18C1208	20-Mar-18	22:51:34
38	180320M2_38	IPA	20-Mar-18	23:03:04
39	180320M2_39	1800428-13RE1 REEPDW520 0.12175	20-Mar-18	23:14:33
40	180320M2_40	1800438-01RE1 REEPDW229FRB 0.11988	20-Mar-18	23:26:02
41	180320M2_41	1800438-02RE1 REEPDW230FRB 0.12349	20-Mar-18	23:37:32
42	180320M2_42	1800438-03RE1 REEPDW231FRB 0.12317	20-Mar-18	23:49:02
43	180320M2_43	1800438-04RE1 REEPDW235FRB 0.12052	21-Mar-18	00:00:31
44	180320M2_44	1800438-05RE1 REEPDW232FRB 0.12556	21-Mar-18	00:12:01
45	180320M2_45	1800438-06RE1 REEPDW233FRB 0.12276	21-Mar-18	00:23:31
46	180320M2_46	1800438-07RE1 REEPDW234FRB 0.11745	21-Mar-18	00:35:01
47	180320M2_47	B8C0098-BS1 OPR 0.125	21-Mar-18	00:46:28
48	180320M2_48	B8C0098-BLK1 Method Blank 0.125	21-Mar-18	00:57:55
49	180320M2_49	1800476-01 DGD-MB1A 0.12799	21-Mar-18	01:09:21
50	180320M2_50	1800476-02 DGD-MB1B 0.12013	21-Mar-18	01:20:51
51	180320M2_51	1800476-03 DGD-MB2B 0.12817	21-Mar-18	01:32:20
52	180320M2_52	1800476-04 DGD-MB2A 0.13192	21-Mar-18	01:43:49
53	180320M2_53	1800476-05 DGD-MW104 0.13496	21-Mar-18	01:55:19
54	180320M2_54	1800477-01 SOURCE SAMPLE TAP/GRW 1/P...	21-Mar-18	02:06:48
55	180320M2_55	1800477-02 SOURCE SAMPLE TAP/GRW 2/P...	21-Mar-18	02:18:17
56	180320M2_56	B8C0091-BLK1 Method Blank 0.125	21-Mar-18	02:29:46
57	180320M2_57	B8C0091-BS1 OPR 0.125	21-Mar-18	02:41:16
58	180320M2_58	B8C0091-BSD1 LCSD 0.125	21-Mar-18	02:52:46
59	180320M2_59	1701882-02RE2 WI-A06-6-I-01-1217-TOP 0.12...	21-Mar-18	03:04:14
60	180320M2_60	1701882-04RE2 WI-A06-EB01-120517-TOP 0....	21-Mar-18	03:15:41
61	180320M2_61	1701882-06RE2 WI-A06-EB02-120517-TOP 0....	21-Mar-18	03:27:08
62	180320M2_62	1701882-08RE2 WI-A06-EFF01-1217-TOP 0.11...	21-Mar-18	03:38:35
63	180320M2_63	IPA	21-Mar-18	03:50:02
64	180320M2_64	ST180320M2-4 PFC CS3 18C1208	21-Mar-18	04:01:29
65	180320M2_65	ST180320M2-5 PFC CS0 18C1205	21-Mar-18	04:12:56

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Compound name: PFBA

	Name	ID	Acq Date	Acq Time
66	180320M2_66	IPA	21-Mar-18	04:24:26
67	180320M2_67	1701882-10RE2 WI-A06-EFF01P-1217-TOP 0....	21-Mar-18	04:35:55
68	180320M2_68	1701882-12RE2 WI-A06-INF01-1217-TOP 0.12...	21-Mar-18	04:47:22
69	180320M2_69	1701882-14RE2 WI-A06-P-4-1217-TOP 0.11625	21-Mar-18	04:58:51
70	180320M2_70	1701882-16RE2 WI-A06-6-I-03-1217-TOP 0.12...	21-Mar-18	05:10:20
71	180320M2_71	B8C0084-BS1 OPR 0.25	21-Mar-18	05:21:51
72	180320M2_72	B8C0084-BLK1 Method Blank 0.25	21-Mar-18	05:33:17
73	180320M2_73	1800399-01RE1 WR1802281435MK 0.26312	21-Mar-18	05:44:46
74	180320M2_74	1800399-02RE1 WR1802281515JLB 0.26238	21-Mar-18	05:56:13
75	180320M2_75	1800399-03RE1 WR1802281610MK 0.25565	21-Mar-18	06:07:42
76	180320M2_76	1800400-01RE1 WR1802281025MK 0.25768	21-Mar-18	06:19:11
77	180320M2_77	1800400-02RE1 WR1802281040MK 0.25528	21-Mar-18	06:30:38
78	180320M2_78	1800400-03RE1 WR1802281100MK 0.25604	21-Mar-18	06:42:05
79	180320M2_79	IPA	21-Mar-18	06:53:31
80	180320M2_80	ST180320M2-6 PFC CS3 18C1208	21-Mar-18	07:04:58
81	180320M2_81	IPA	21-Mar-18	07:16:25
82	180320M2_82	1800400-04RE1 WR1802281120MK 0.25456	21-Mar-18	07:27:52
83	180320M2_83	1800400-05RE1 WR1802281215MK 0.26219	21-Mar-18	07:39:22
84	180320M2_84	1800400-06RE1 WR1802281300MK 0.25733	21-Mar-18	07:50:52
85	180320M2_85	1800400-07RE1 FB1802281305MK 0.25345	21-Mar-18	08:02:22
86	180320M2_86	1800423-01RE1 GW1216180301RAP 0.25696	21-Mar-18	08:13:49
87	180320M2_87	1800423-02RE1 GW2226180301RAP 0.25742	21-Mar-18	08:25:19
88	180320M2_88	1800423-03RE1 GW3236180302RAP 0.24691	21-Mar-18	08:36:48
89	180320M2_89	1800423-04RE1 GW4246180302RAP 0.25259	21-Mar-18	08:48:18
90	180320M2_90	1800423-05RE1 GW5256180302RAP 0.25316	21-Mar-18	08:59:48
91	180320M2_91	1800427-01RE1 WR1803051300JLB 0.24178	21-Mar-18	09:11:17
92	180320M2_92	IPA	21-Mar-18	09:22:46
93	180320M2_93	ST180320M2-7 PFC CS3 18C1208	21-Mar-18	09:34:16
94	180320M2_94	IPA	21-Mar-18	09:45:46
95	180320M2_95	B8C0094-BS1 OPR 0.25	21-Mar-18	09:57:16
96	180320M2_96	B8C0094-BLK1 Method Blank 0.25	21-Mar-18	10:08:42
97	180320M2_97	1800487-01 GW0509180308RAP 0.2483	21-Mar-18	10:20:09
98	180320M2_98	1800487-02 GW1519180308RAP 0.26133	21-Mar-18	10:31:31
99	180320M2_99	1800487-03 GW2529180308RAP 0.25663	21-Mar-18	10:42:57



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Compound name: PFBA

	Name	ID	Acq. Date	Acq. Time
100	180320M2_100	1800487-04 GW3539180309RAP 0.27044	21-Mar-18	10:54:24
101	180320M2_101	1800487-05 FD-GW4145180309RAP 0.27054	21-Mar-18	11:05:54
102	180320M2_102	1800487-06 GW4145180309RAP 0.26997	21-Mar-18	11:17:24
103	180320M2_103	1800487-07 GW5357180309RAP 0.26272	21-Mar-18	11:28:51
104	180320M2_104	IPA	21-Mar-18	11:40:18
105	180320M2_105	ST180320M2-8 PFC CS3 18C1208	21-Mar-18	11:51:47
106	180320M2_106	IPA	21-Mar-18	12:03:14

Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

**(A)** Not used *ker* 3/21/18

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

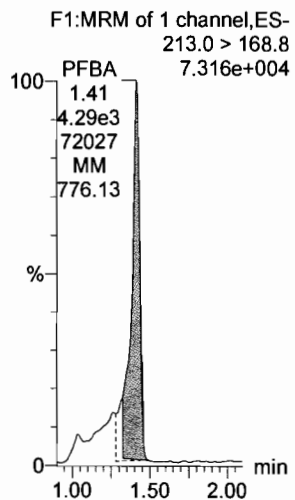
Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 14:27:12

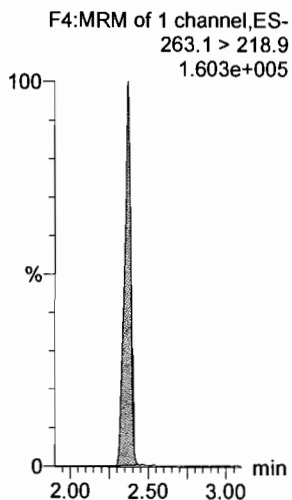
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

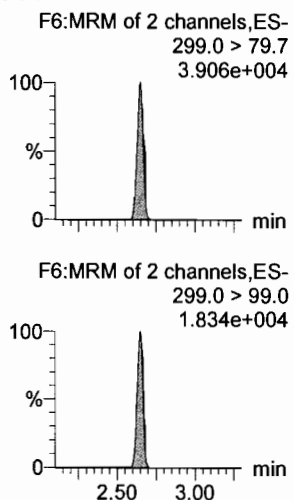
**PFBA**



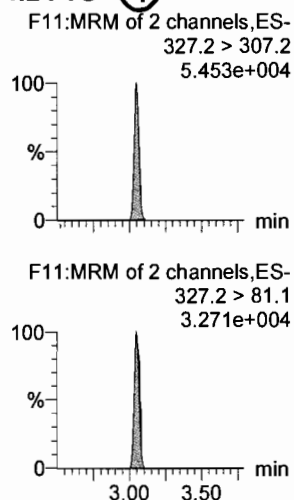
**PFPeA**



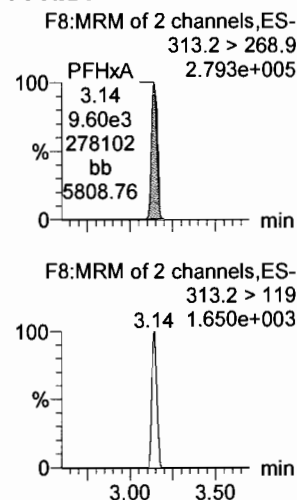
**PFBS**



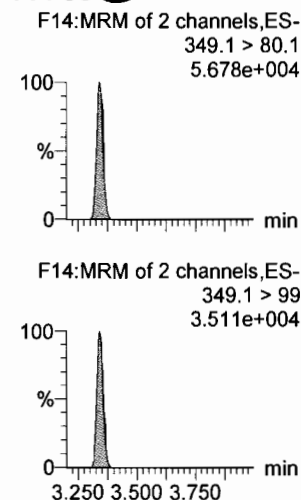
**4:2 FTS (A)**



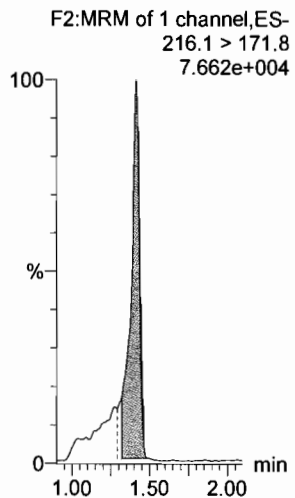
**PFHxA**



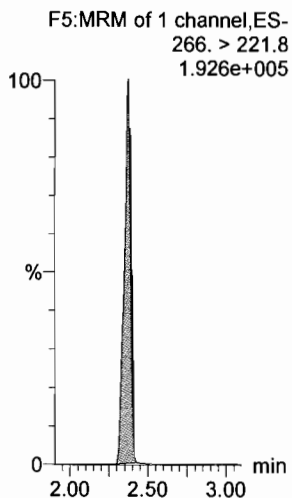
**PFPeS (A)**



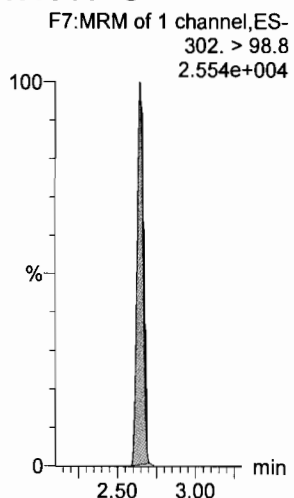
**13C3-PFBA**



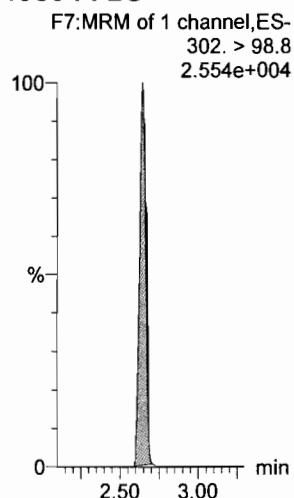
**13C3-PFPeA**



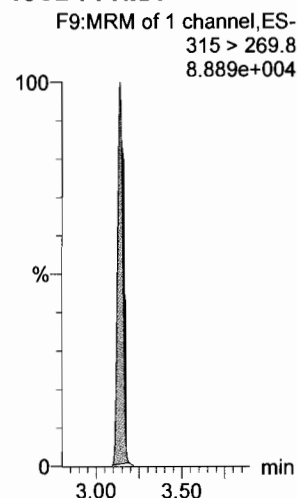
**13C3-PFBS**



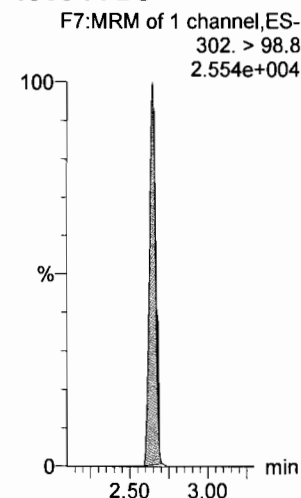
**13C3-PFBS**



**13C2-PFHxA**



**13C3-PFBS**



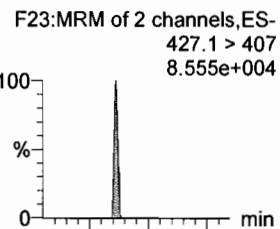
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Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

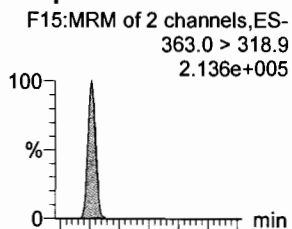
Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

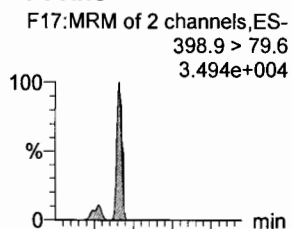
**6:2 FTS**



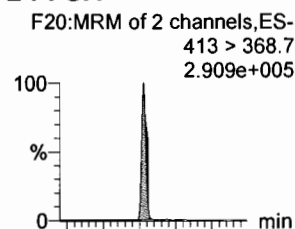
**PFHpA**



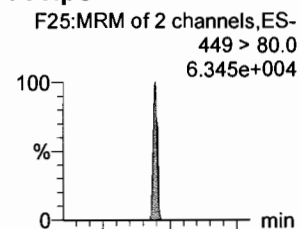
**L-PFHxS**



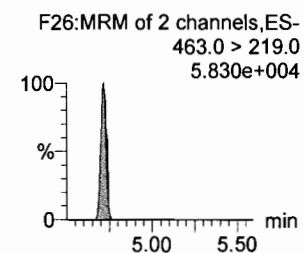
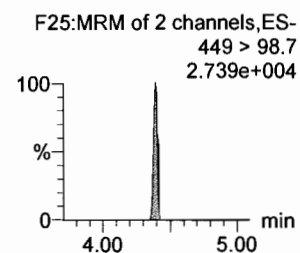
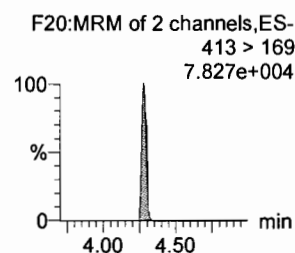
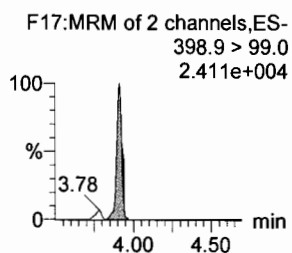
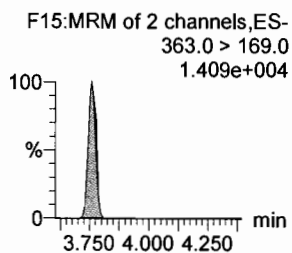
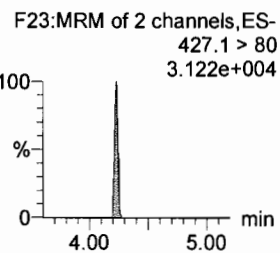
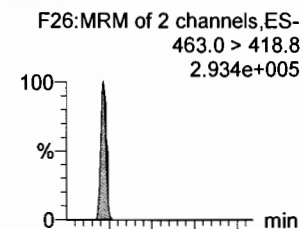
**L-PFOA**



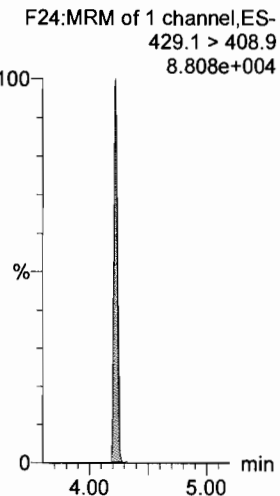
**PFHpS**



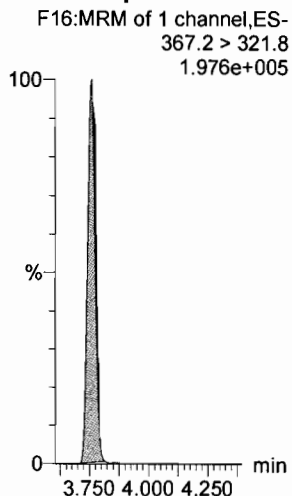
**PFNA**



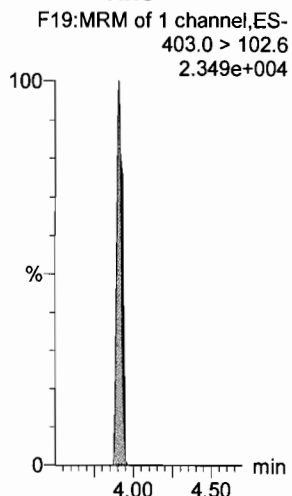
**13C2-6:2 FTS**



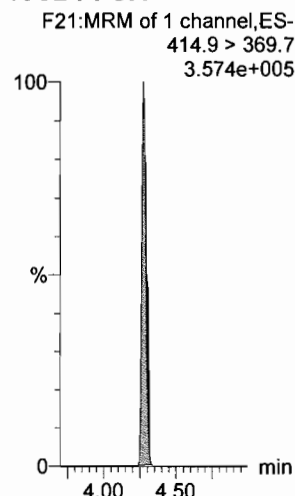
**13C4-PFHpA**



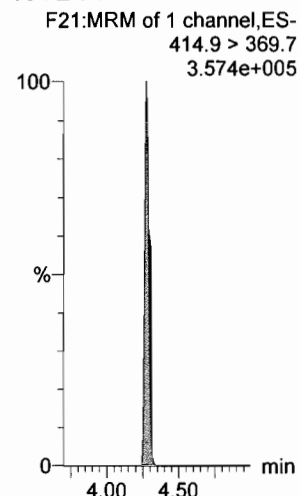
**18O2-PFHxS**



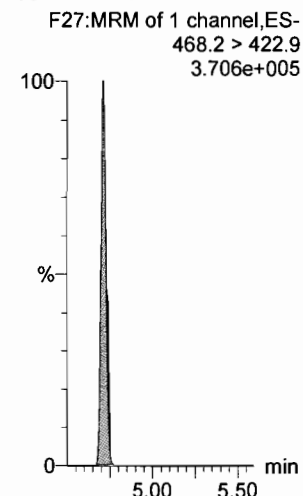
**13C2-PFOA**



**13C2-PFOA**



**13C5-PFNA**



Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

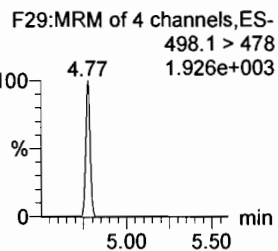
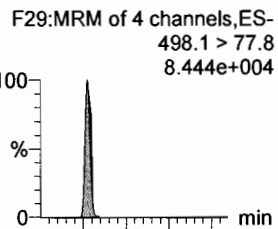
**(A)** not used ~~KB~~ 3/21/18

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

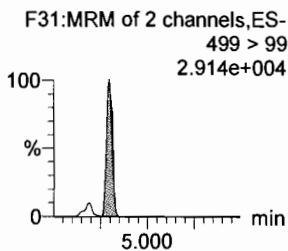
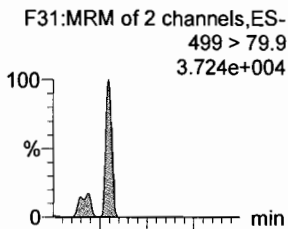
Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

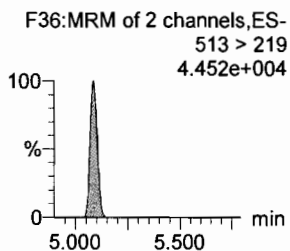
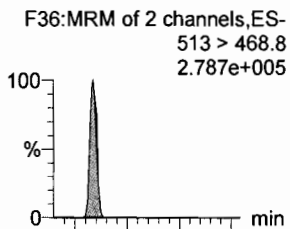
**PFOSA**



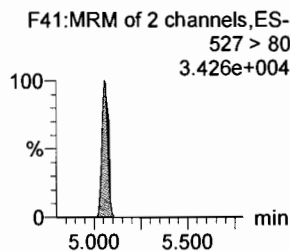
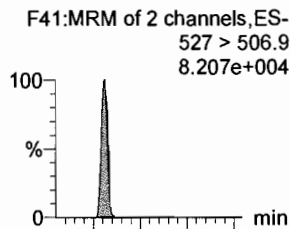
**L-PFOS**



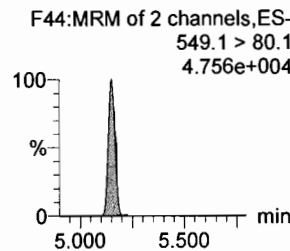
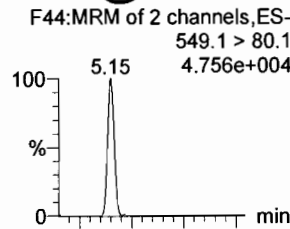
**PFDA**



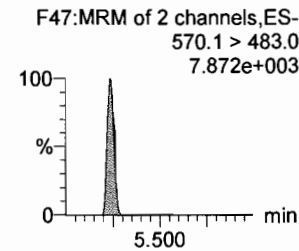
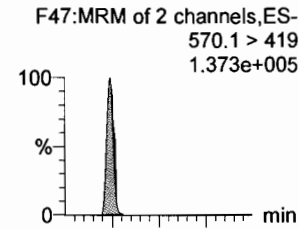
**8:2 FTS**



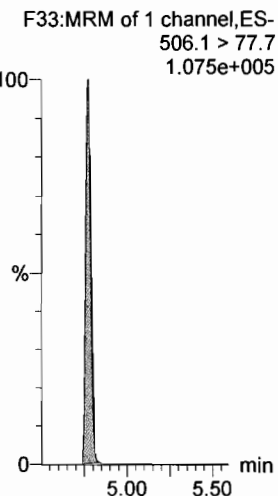
**PFNS (A)**



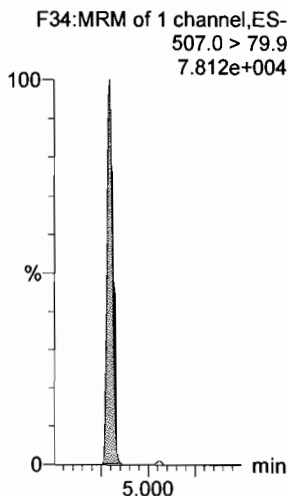
**N-MeFOSAA**



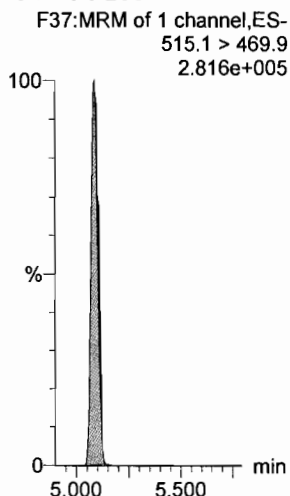
**13C8-PFOSA**



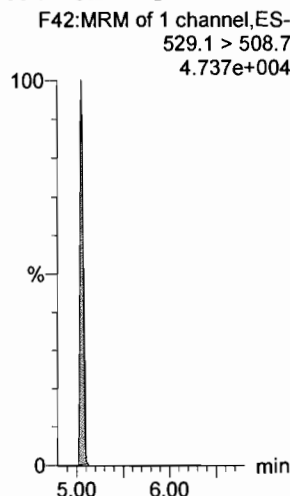
**13C8-PFOS**



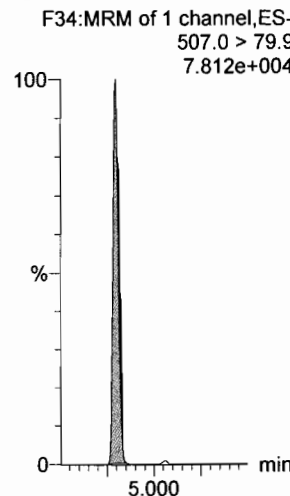
**13C2-PFDA**



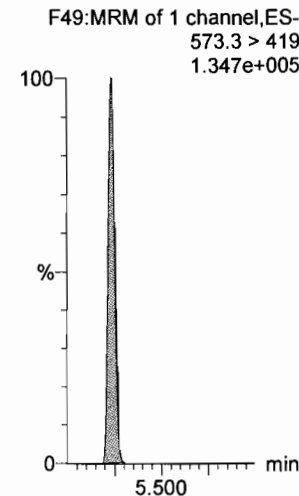
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**

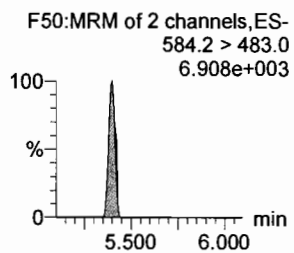
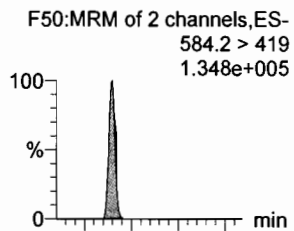


Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

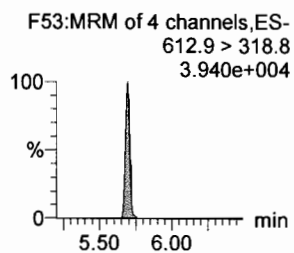
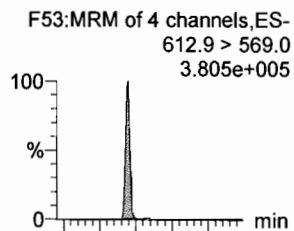
Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time  
Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

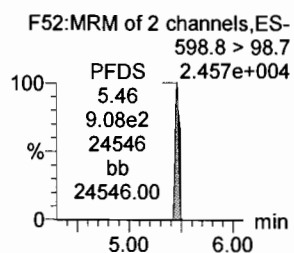
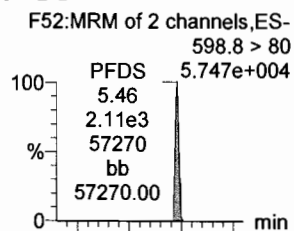
**N-EtFOSAA**



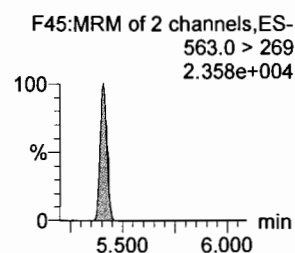
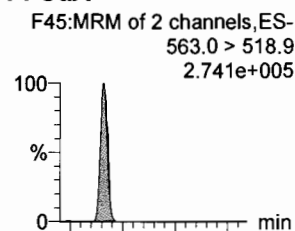
**PFDoA**



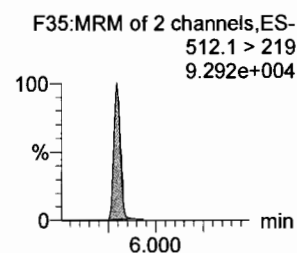
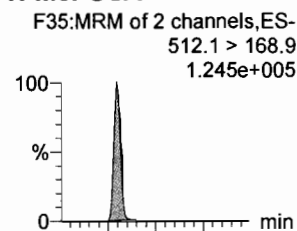
**PFDS**



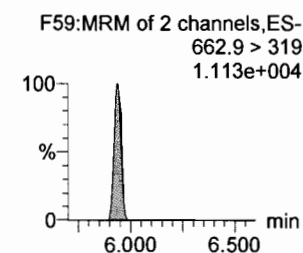
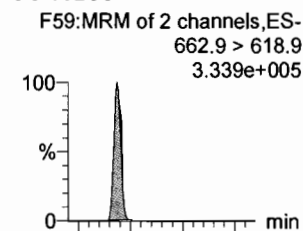
**PFUdA**



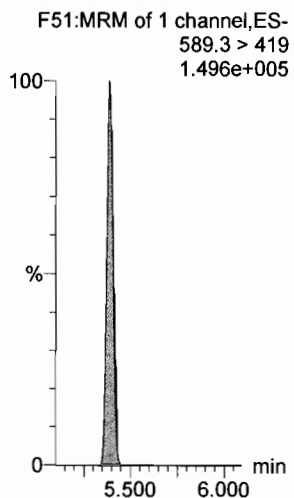
**N-MeFOSA**



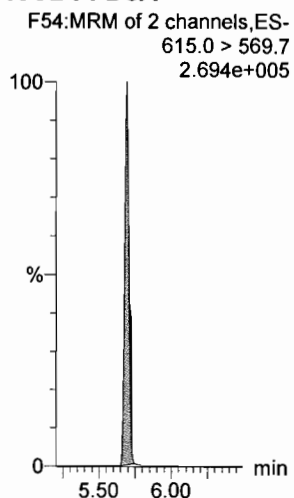
**PFTrDA**



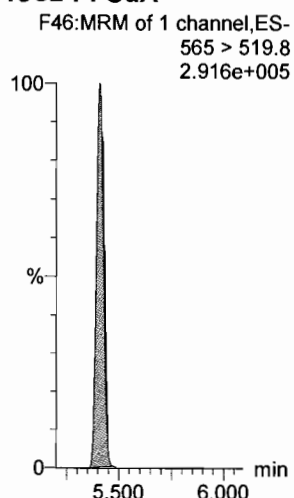
**d5-N-EtFOSAA**



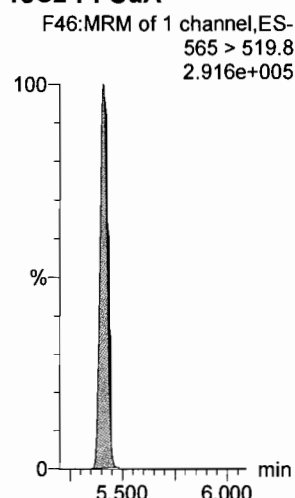
**13C2-PFDoA**



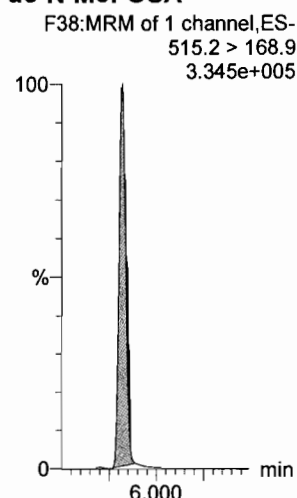
**13C2-PFUdA**



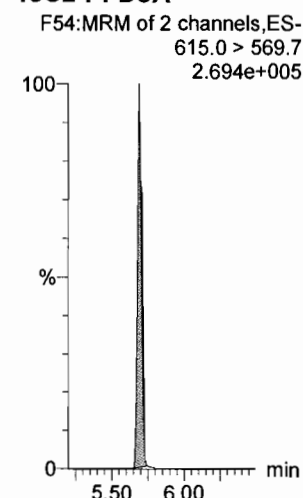
**13C2-PFUdA**



**d3-N-MeFOSA**



**13C2-PFDoA**

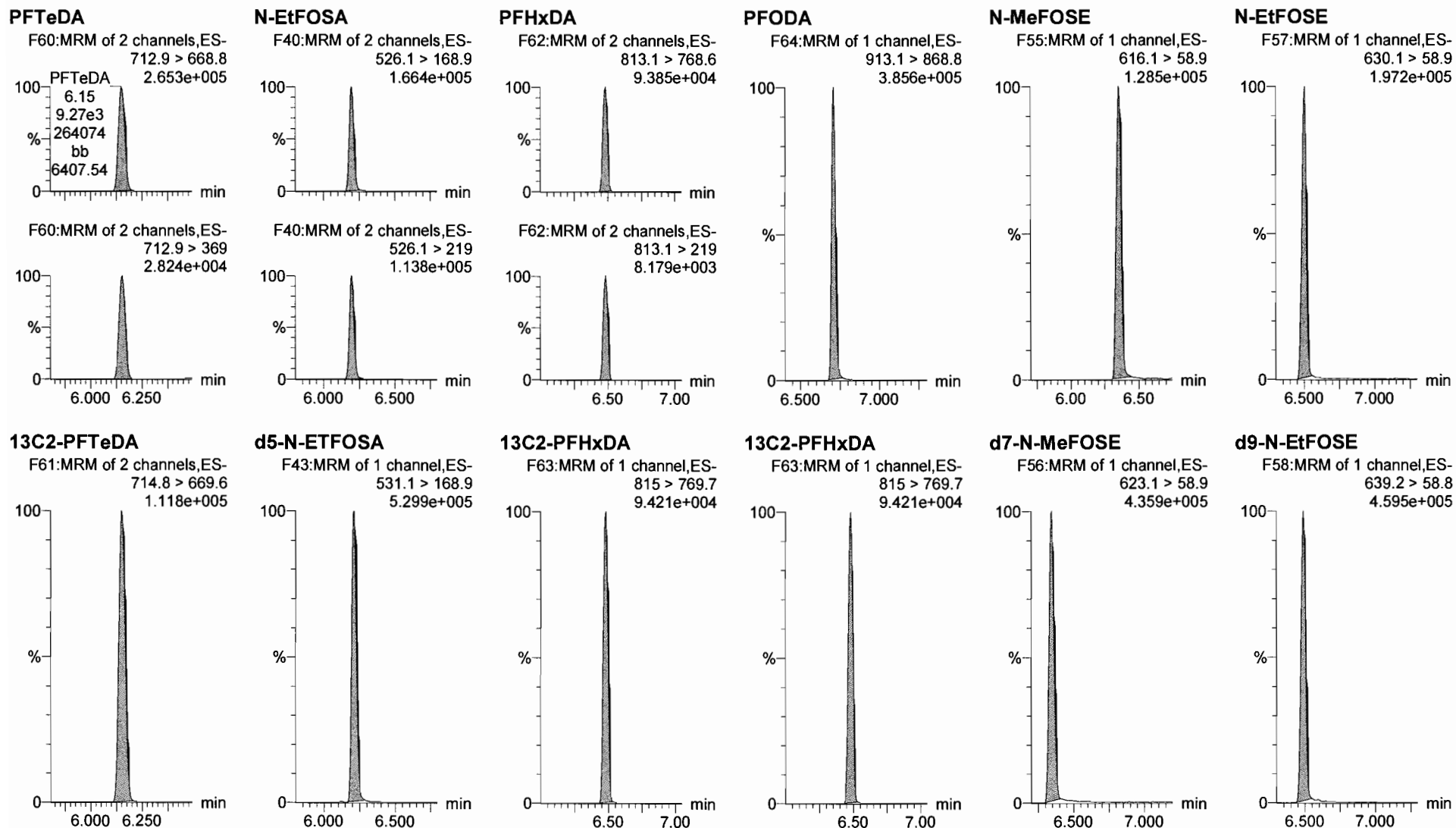


Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208



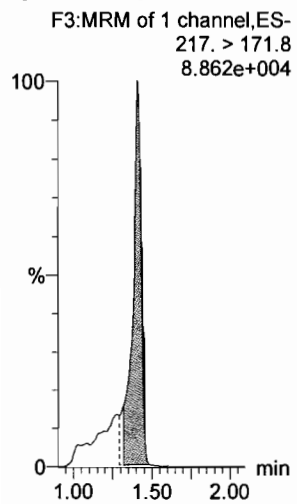
Dataset: Z:\Projects\PFAS.PRO\Results\180320M2\180320M2-24.qld

Last Altered: Wednesday, March 21, 2018 14:07:15 Pacific Daylight Time

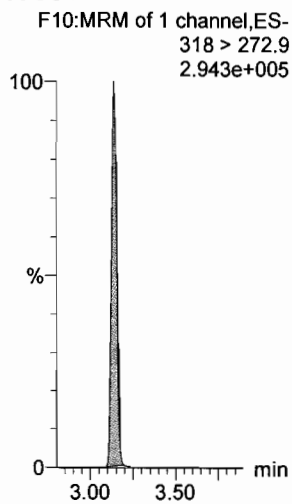
Printed: Wednesday, March 21, 2018 14:07:42 Pacific Daylight Time

Name: 180320M2\_24, Date: 20-Mar-2018, Time: 20:22:26, ID: ST180320M2-2 PFC CS3 18C1208, Description: PFC CS3 18C1208

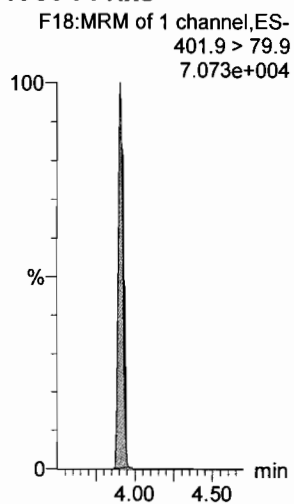
**13C4-PFBA**



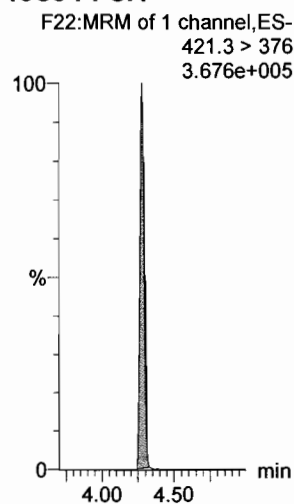
**13C5-PFHxA**



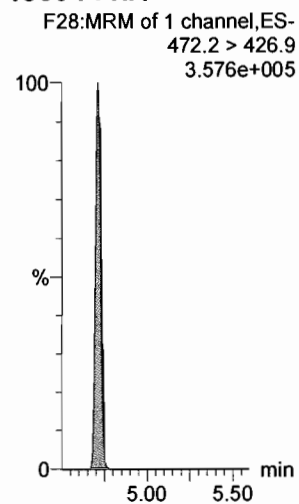
**13C3-PFHxS**



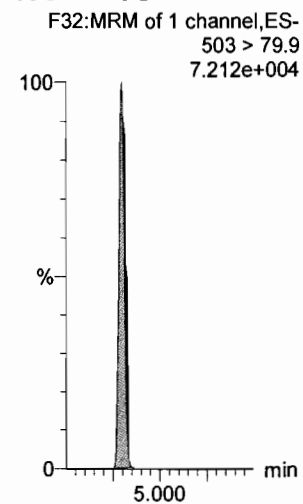
**13C8-PFOA**



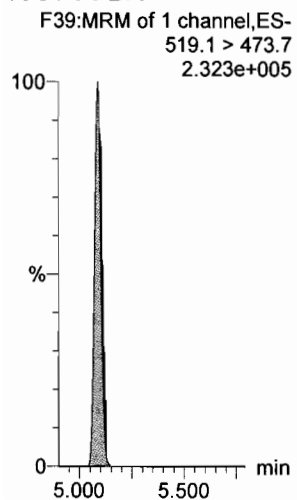
**13C9-PFNA**



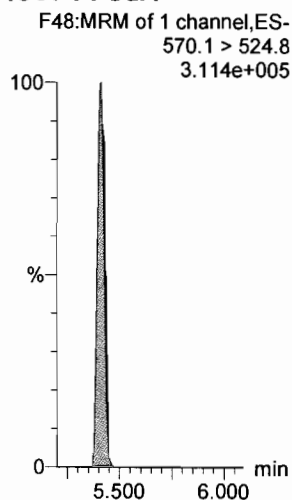
**13C4-PFOS**



**13C6-PFDA**



**13C7-PFUdA**



**INITIAL CALIBRATION (ICAL)**  
**INCLUDING ASSOCIATED**  
**INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:46:54 Pacific Standard Time

*PFDA not used.*

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 10:23:40

*DM 3/9/18*  
*✓ PF 3/7/18*

**Compound name: PFBA**

Correlation coefficient:  $r = 0.999050$ ,  $r^2 = 0.998102$

Calibration curve:  $1.15862 * x + -0.0583481$

Response type: Internal Std ( Ref 34 ), 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 180307M2_2	Standard	0.250	1.46	153.482	7807.841	0.246	0.3	5.0	NO	0.998	NO	MM
2	2 180307M2_3	Standard	0.500	1.44	320.774	7414.112	0.541	0.5	3.4	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	1.45	653.257	8304.409	0.983	0.9	-10.1	NO	0.998	NO	MM
4	4 180307M2_5	Standard	2.000	1.45	1365.104	7664.970	2.226	2.0	-1.4	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	1.45	3270.035	7200.527	5.677	4.9	-1.0	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	1.45	6663.628	7915.193	10.523	9.1	-8.7	NO	0.998	NO	MM
7	7 180307M2_8	Standard	50.000	1.45	36217.512	7971.371	56.793	49.1	-1.9	NO	0.998	NO	MM
8	8 180307M2_9	Standard	100.000	1.45	67887.633	7636.464	111.124	96.0	-4.0	NO	0.998	NO	bb
9	9 180307M2_10	Standard	250.000	1.45	162915.047	7427.438	274.178	236.7	-5.3	NO	0.998	NO	MM
10	10 180307M2_11	Standard	500.000	1.45	350326.000	7278.908	601.612	519.3	3.9	NO	0.998	NO	MM

**Compound name: PFPeA**

Correlation coefficient:  $r = 0.999689$ ,  $r^2 = 0.999379$

Calibration curve:  $0.949226 * x + 0.00601281$

Response type: Internal Std ( Ref 35 ), 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 180307M2_2	Standard	0.250	2.41	382.231	20634.395	0.232	0.2	-5.0	NO	0.999	NO	MM
2	2 180307M2_3	Standard	0.500	2.41	796.238	20691.186	0.481	0.5	0.1	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	2.41	1585.520	21043.783	0.942	1.0	-1.4	NO	0.999	NO	MM
4	4 180307M2_5	Standard	2.000	2.41	3088.000	20444.408	1.888	2.0	-0.9	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	2.41	7985.286	21410.930	4.662	4.9	-1.9	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	2.41	16987.922	20580.490	10.318	10.9	8.6	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	2.41	81027.648	22342.971	45.332	47.8	-4.5	NO	0.999	NO	bb
8	8 180307M2_9	Standard	100.000	2.41	161671.688	20090.730	100.588	106.0	6.0	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	2.41	352916.063	18646.551	236.583	249.2	-0.3	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:46:54 Pacific Standard Time

**Compound name: PFPeA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180307M2_11	Standard	500.000	2.41	696251.125	18472.662	471.136	496.3	-0.7	NO	0.999	NO	bb

**Compound name: PFBS**

Coefficient of Determination: R<sup>2</sup> = 0.998340

Calibration curve: 0.000332361 \* x<sup>2</sup> + 1.79088 \* x + 0.0363158

Response type: Internal Std ( Ref 36 ), 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 180307M2_2	Standard	0.250	2.68	74.390	2416.641	0.385	0.2	-22.2	NO	0.998	NO	bb
2	2 180307M2_3	Standard	0.500	2.69	174.241	2475.857	0.880	0.5	-5.8	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	2.69	387.221	2466.994	1.962	1.1	7.5	NO	0.998	NO	bb
4	4 180307M2_5	Standard	2.000	2.69	769.500	2291.045	4.198	2.3	16.2	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	2.68	1666.187	2410.681	8.640	4.8	-4.0	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	2.69	3500.393	2311.856	18.926	10.5	5.3	NO	0.998	NO	bb
7	7 180307M2_8	Standard	50.000	2.68	17269.848	2411.228	89.528	49.5	-1.0	NO	0.998	NO	bb
8	8 180307M2_9	Standard	100.000	2.69	36322.867	2294.602	197.871	108.3	8.3	NO	0.998	NO	bb
9	9 180307M2_10	Standard	250.000	2.68	79041.445	2229.408	443.175	237.0	-5.2	NO	0.998	NO	bb
10	10 180307M2_11	Standard	500.000	2.69	153450.375	1940.977	988.229	504.5	0.9	NO	0.998	NO	bb

**Compound name: 4:2 FTS**

Coefficient of Determination: R<sup>2</sup> = 0.998654

Calibration curve: 0.000169778 \* x<sup>2</sup> + 1.98606 \* x + 0.254005

Response type: Internal Std ( Ref 36 ), 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 180307M2_2	Standard	0.250	3.08	137.565	2416.641	0.712	0.2	-7.9	NO	0.999	NO	bb
2	2 180307M2_3	Standard	0.500	3.09	197.958	2475.857	0.999	0.4	-24.9	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	3.09	462.671	2466.994	2.344	1.1	5.2	NO	0.999	NO	bb
4	4 180307M2_5	Standard	2.000	3.09	780.792	2291.045	4.260	2.0	0.8	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	3.09	1977.320	2410.681	10.253	5.0	0.6	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	3.09	4575.080	2311.856	24.737	12.3	23.1	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	3.09	20183.125	2411.228	104.631	52.3	4.6	NO	0.999	NO	bb

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**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 180307M2_9	Standard	100.000	3.09	37462.328	2294.602	204.079	101.7	1.7	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	3.09	86415.953	2229.408	484.523	239.0	-4.4	NO	0.999	NO	bb
10	10 180307M2_11	Standard	500.000	3.09	162404.781	1940.977	1045.896	504.7	0.9	NO	0.999	NO	bb

**Compound name: PFHxA**

Coefficient of Determination: R<sup>2</sup> = 0.999678

Calibration curve:  $-5.371e-005 * x^2 + 1.37685 * x + 0.0265598$

Response type: Internal Std ( Ref 37 ), 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 180307M2_2	Standard	0.250	3.18	465.007	7376.902	0.315	0.2	-16.2	NO	1.000	NO	bb
2	2 180307M2_3	Standard	0.500	3.18	979.916	6698.330	0.731	0.5	2.4	NO	1.000	NO	bb
3	3 180307M2_4	Standard	1.000	3.18	2193.954	7161.120	1.532	1.1	9.3	NO	1.000	NO	bb
4	4 180307M2_5	Standard	2.000	3.18	3557.375	6706.463	2.652	1.9	-4.6	NO	1.000	NO	bb
5	5 180307M2_6	Standard	5.000	3.18	9496.483	6381.543	7.441	5.4	7.7	NO	1.000	NO	bb
6	6 180307M2_7	Standard	10.000	3.18	20713.029	7008.061	14.778	10.7	7.2	NO	1.000	NO	bb
7	7 180307M2_8	Standard	50.000	3.18	103129.102	7240.950	71.212	51.8	3.6	NO	1.000	NO	bb
8	8 180307M2_9	Standard	100.000	3.18	198002.891	7226.828	136.992	99.9	-0.1	NO	1.000	NO	bb
9	9 180307M2_10	Standard	250.000	3.18	435363.500	6521.240	333.804	244.8	-2.1	NO	1.000	NO	bb
10	10 180307M2_11	Standard	500.000	3.18	834309.875	6149.745	678.329	502.5	0.5	NO	1.000	NO	bb

**Compound name: PFPeS**

Correlation coefficient: r = 0.996891, r<sup>2</sup> = 0.993791

Calibration curve:  $1.65905 * x + 0.220064$

Response type: Internal Std ( Ref 36 ), 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 180307M2_2	Standard	0.250	3.39	70.662	2416.641	0.365	0.1	-64.9	YES	0.994	NO	bbX
2	2 180307M2_3	Standard	0.500	3.38	177.525	2475.857	0.896	0.4	-18.5	NO	0.994	NO	bb
3	3 180307M2_4	Standard	1.000	3.38	390.627	2466.994	1.979	1.1	6.0	NO	0.994	NO	bb
4	4 180307M2_5	Standard	2.000	3.38	689.542	2291.045	3.762	2.1	6.8	NO	0.994	NO	bb
5	5 180307M2_6	Standard	5.000	3.38	1611.461	2410.681	8.356	4.9	-1.9	NO	0.994	NO	bb

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**Compound name: PFPeS**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180307M2_7	Standard	10.000	3.38	3415.495	2311.856	18.467	11.0	10.0	NO	0.994	NO	bb
7	7 180307M2_8	Standard	50.000	3.38	15999.102	2411.228	82.941	49.9	-0.3	NO	0.994	NO	bb
8	8 180307M2_9	Standard	100.000	3.38	32151.402	2294.602	175.147	105.4	5.4	NO	0.994	NO	bb
9	9 180307M2_10	Standard	250.000	3.38	64742.656	2229.408	363.004	218.7	-12.5	NO	0.994	NO	bb
10	10 180307M2_11	Standard	500.000	3.38	135288.859	1940.977	871.268	525.0	5.0	NO	0.994	NO	bb

**Compound name: PFHpA**

Correlation coefficient:  $r = 0.999854$ ,  $r^2 = 0.999708$

Calibration curve:  $1.2779 * x + 0.00645768$

Response type: Internal Std ( Ref 38 ), 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 180307M2_2	Standard	0.250	3.79	469.150	17492.340	0.335	0.3	2.9	NO	1.000	NO	MM
2	2 180307M2_3	Standard	0.500	3.79	955.492	16998.473	0.703	0.5	9.0	NO	1.000	NO	bb
3	3 180307M2_4	Standard	1.000	3.80	1836.612	17894.396	1.283	1.0	-0.1	NO	1.000	NO	bb
4	4 180307M2_5	Standard	2.000	3.79	3308.885	18118.047	2.283	1.8	-10.9	NO	1.000	NO	bb
5	5 180307M2_6	Standard	5.000	3.79	8726.122	16941.070	6.439	5.0	0.7	NO	1.000	NO	bb
6	6 180307M2_7	Standard	10.000	3.79	17915.816	17030.949	13.149	10.3	2.8	NO	1.000	NO	bb
7	7 180307M2_8	Standard	50.000	3.79	89456.797	18417.037	60.716	47.5	-5.0	NO	1.000	NO	bb
8	8 180307M2_9	Standard	100.000	3.79	173579.969	17145.188	126.552	99.0	-1.0	NO	1.000	NO	bb
9	9 180307M2_10	Standard	250.000	3.79	398527.500	15301.759	325.557	254.8	1.9	NO	1.000	NO	bb
10	10 180307M2_11	Standard	500.000	3.80	764511.313	14999.320	637.122	498.6	-0.3	NO	1.000	NO	bb

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**Compound name: L-PFHxS**

Coefficient of Determination:  $R^2 = 0.996322$

Calibration curve:  $-0.000158898 * x^2 + 1.79614 * x + -0.018227$

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 180307M2_2	Standard	0.250	3.94	53.312	1996.003	0.334	0.2	-21.6	NO	0.996	NO	MM
2	2 180307M2_3	Standard	0.500	3.95	143.419	1907.617	0.940	0.5	6.7	NO	0.996	NO	MM
3	3 180307M2_4	Standard	1.000	3.94	270.257	1853.461	1.823	1.0	2.5	NO	0.996	NO	MM
4	4 180307M2_5	Standard	2.000	3.94	563.394	1783.400	3.949	2.2	10.5	NO	0.996	NO	MM
5	5 180307M2_6	Standard	5.000	3.94	1317.642	2000.399	8.234	4.6	-8.1	NO	0.996	NO	MM
6	6 180307M2_7	Standard	10.000	3.95	2753.385	1716.965	20.045	11.2	11.8	NO	0.996	NO	MM
7	7 180307M2_8	Standard	50.000	3.95	13867.801	2160.945	80.218	44.8	-10.3	NO	0.996	NO	MM
8	8 180307M2_9	Standard	100.000	3.94	27802.480	1728.024	201.115	113.1	13.1	NO	0.996	NO	MM
9	9 180307M2_10	Standard	250.000	3.94	59346.875	1786.932	415.145	236.1	-5.6	NO	0.996	NO	MM
10	10 180307M2_11	Standard	500.000	3.95	117486.258	1694.728	866.557	505.0	1.0	NO	0.996	NO	MM

**Compound name: 6:2 FTS**

Coefficient of Determination:  $R^2 = 0.994141$

Calibration curve:  $-0.0042186 * x^2 + 1.06359 * x + -0.0620198$

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 180307M2_2	Standard	0.250	4.26	87.432	5025.898	0.217	0.3	5.2	NO	0.994	NO	bb
2	2 180307M2_3	Standard	0.500	4.26	176.104	4584.872	0.480	0.5	2.2	NO	0.994	NO	bb
3	3 180307M2_4	Standard	1.000	4.26	400.530	5541.772	0.903	0.9	-8.9	NO	0.994	NO	bb
4	4 180307M2_5	Standard	2.000	4.26	866.982	5296.680	2.046	2.0	-0.1	NO	0.994	NO	bb
5	5 180307M2_6	Standard	5.000	4.26	1695.451	5365.863	3.950	3.8	-23.4	NO	0.994	NO	bb
6	6 180307M2_7	Standard	10.000	4.26	4357.667	5579.147	9.763	9.6	-4.0	NO	0.994	NO	bb
7	7 180307M2_8	Standard	50.000	4.26	22219.455	6078.586	45.692	55.0	10.1	NO	0.994	NO	bb
8	8 180307M2_9	Standard	100.000	4.26	34958.660	6975.006	62.650	94.0	-6.0	NO	0.994	NO	bb
9	9 180307M2_10	Standard	250.000	4.26	82969.336	9418.064	110.120			NO	0.994	YES	bbXI
10	10 180307M2_11	Standard	500.000	4.26	158455.766	13110.937	151.072			NO	0.994	NO	bbXI

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**Compound name: L-PFOA**

Coefficient of Determination:  $R^2 = 0.996532$

Calibration curve:  $-0.000351037 * x^2 + 1.0477 * x + 0.0245039$

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 180307M2_2	Standard	0.250	4.32	685.060	23817.580	0.360	0.3	27.9	NO	0.997	NO	bb
2	2 180307M2_3	Standard	0.500	4.32	1102.458	24820.223	0.555	0.5	1.3	NO	0.997	NO	bb
3	3 180307M2_4	Standard	1.000	4.32	2240.829	25316.568	1.106	1.0	3.3	NO	0.997	NO	bb
4	4 180307M2_5	Standard	2.000	4.32	3566.938	24412.830	1.826	1.7	-14.0	NO	0.997	NO	bb
5	5 180307M2_6	Standard	5.000	4.32	10161.500	25723.428	4.938	4.7	-6.1	NO	0.997	NO	bb
6	6 180307M2_7	Standard	10.000	4.32	20456.301	25034.715	10.214	9.8	-2.4	NO	0.997	NO	bb
7	7 180307M2_8	Standard	50.000	4.32	96074.656	26587.549	45.169	43.7	-12.5	NO	0.997	NO	bb
8	8 180307M2_9	Standard	100.000	4.32	193567.781	24872.721	97.279	95.9	-4.1	NO	0.997	NO	bb
9	9 180307M2_10	Standard	250.000	4.32	453819.031	21873.455	259.343	272.4	8.9	NO	0.997	NO	bb
10	10 180307M2_11	Standard	500.000	4.32	715125.438	20890.893	427.893	488.3	-2.3	NO	0.997	NO	bb

**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.999570$

Calibration curve:  $9.09295e-006 * x^2 + 0.173194 * x + 0.0304659$

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 180307M2_2	Standard	0.250	4.43	141.431	23817.580	0.074	0.3	1.1	NO	1.000	NO	bb
2	2 180307M2_3	Standard	0.500	4.43	234.970	24820.223	0.118	0.5	1.5	NO	1.000	NO	bb
3	3 180307M2_4	Standard	1.000	4.43	380.249	25316.568	0.188	0.9	-9.2	NO	1.000	NO	bb
4	4 180307M2_5	Standard	2.000	4.42	760.379	24412.830	0.389	2.1	3.6	NO	1.000	NO	bb
5	5 180307M2_6	Standard	5.000	4.43	1677.384	25723.428	0.815	4.5	-9.4	NO	1.000	NO	bb
6	6 180307M2_7	Standard	10.000	4.43	3843.884	25034.715	1.919	10.9	9.0	NO	1.000	NO	bb
7	7 180307M2_8	Standard	50.000	4.43	19597.199	26587.549	9.214	52.9	5.8	NO	1.000	NO	bb
8	8 180307M2_9	Standard	100.000	4.43	34391.781	24872.721	17.284	99.1	-0.9	NO	1.000	NO	bb
9	9 180307M2_10	Standard	250.000	4.43	75431.055	21873.455	43.107	245.6	-1.8	NO	1.000	NO	bb
10	10 180307M2_11	Standard	500.000	4.43	149202.828	20890.893	89.275	502.1	0.4	NO	1.000	NO	bb

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**Compound name: PFNA**

Coefficient of Determination:  $R^2 = 0.998996$

Calibration curve:  $-0.000139312 * x^2 + 1.22999 * x + -0.0892813$

Response type: Internal Std ( Ref 42 ), 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 180307M2_2	Standard	0.250	4.75	480.978	21978.621	0.274	0.3	18.0	NO	0.999	NO	bb
2	2 180307M2_3	Standard	0.500	4.75	786.264	20783.010	0.473	0.5	-8.6	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	4.75	2238.470	25160.045	1.112	1.0	-2.3	NO	0.999	NO	bb
4	4 180307M2_5	Standard	2.000	4.75	4321.575	22508.479	2.400	2.0	1.2	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	4.75	10495.297	23889.010	5.492	4.5	-9.2	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	4.75	23370.314	24031.678	12.156	10.0	-0.3	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	4.75	103345.820	21916.197	58.944	48.3	-3.5	NO	0.999	NO	bb
8	8 180307M2_9	Standard	100.000	4.75	223372.547	21439.992	130.231	107.3	7.3	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	4.75	485935.250	20962.578	289.764	242.3	-3.1	NO	0.999	NO	bb
10	10 180307M2_11	Standard	500.000	4.76	876297.750	18787.787	583.024	502.7	0.5	NO	0.999	NO	bb

**Compound name: PFOSA**

Correlation coefficient:  $r = 0.999261$ ,  $r^2 = 0.998522$

Calibration curve:  $1.01507 * x + 0.0132123$

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 180307M2_2	Standard	0.250	4.83	76.994	4735.893	0.203	0.2	-25.1	NO	0.999	NO	bb
2	2 180307M2_3	Standard	0.500	4.83	230.231	4672.019	0.616	0.6	18.8	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	4.83	372.613	4833.539	0.964	0.9	-6.4	NO	0.999	NO	bb
4	4 180307M2_5	Standard	2.000	4.83	754.666	4460.536	2.115	2.1	3.5	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	4.83	1711.898	4638.693	4.613	4.5	-9.4	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	4.83	3922.237	4281.274	11.452	11.3	12.7	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	4.83	18209.525	4500.254	50.579	49.8	-0.4	NO	0.999	NO	bb
8	8 180307M2_9	Standard	100.000	4.83	34783.547	4046.905	107.439	105.8	5.8	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	4.83	78714.211	3747.587	262.550	258.6	3.5	NO	0.999	NO	bb
10	10 180307M2_11	Standard	500.000	4.83	143940.141	3655.545	492.198	484.9	-3.0	NO	0.999	NO	bb



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**Compound name: L-PFOS**

Coefficient of Determination:  $R^2 = 0.997227$

Calibration curve:  $0.000347971 * x^2 + 1.05328 * x + -0.185023$

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 180307M2_2	Standard	0.250	4.84	89.595	4404.642	0.254	0.4	66.8	YES	0.997	NO	MMX
2	2 180307M2_3	Standard	0.500	4.84	132.758	5341.444	0.311	0.5	-5.9	NO	0.997	NO	MM
3	3 180307M2_4	Standard	1.000	4.84	437.165	4711.445	1.160	1.3	27.6	NO	0.997	NO	MM
4	4 180307M2_5	Standard	2.000	4.84	762.860	4906.320	1.944	2.0	1.0	NO	0.997	NO	MM
5	5 180307M2_6	Standard	5.000	4.84	1988.738	5186.075	4.793	4.7	-5.6	NO	0.997	NO	MM
6	6 180307M2_7	Standard	10.000	4.84	4169.256	5533.300	9.419	9.1	-9.1	NO	0.997	NO	MM
7	7 180307M2_8	Standard	50.000	4.84	19908.838	4949.934	50.276	47.2	-5.7	NO	0.997	NO	MM
8	8 180307M2_9	Standard	100.000	4.84	40511.344	5105.404	99.187	91.6	-8.4	NO	0.997	NO	MM
9	9 180307M2_10	Standard	250.000	4.84	92008.492	3741.025	307.431	268.3	7.3	NO	0.997	NO	MM
10	10 180307M2_11	Standard	500.000	4.84	183517.828	3795.497	604.393	493.5	-1.3	NO	0.997	NO	MM

**Compound name: PFDA**

Coefficient of Determination:  $R^2 = 0.998366$

Calibration curve:  $0.000221127 * x^2 + 0.98689 * x + 0.25397$

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 180307M2_2	Standard	0.250	5.13	563.044	22629.998	0.311	0.1	-76.9	YES	0.998	NO	MMX
2	2 180307M2_3	Standard	0.500	5.13	1102.208	21271.828	0.648	0.4	-20.2	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	5.13	2191.216	22599.018	1.212	1.0	-2.9	NO	0.998	NO	bb
4	4 180307M2_5	Standard	2.000	5.13	3894.490	19916.631	2.444	2.2	10.9	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	5.13	8859.799	22829.578	4.851	4.7	-6.9	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	5.13	22788.057	25366.107	11.230	11.1	10.9	NO	0.998	NO	bb
7	7 180307M2_8	Standard	50.000	5.13	119706.594	26961.881	55.498	55.3	10.6	NO	0.998	NO	bb
8	8 180307M2_9	Standard	100.000	5.13	201495.875	24454.252	102.996	101.8	1.8	NO	0.998	NO	bb
9	9 180307M2_10	Standard	250.000	5.13	501669.813	25428.689	246.606	237.0	-5.2	NO	0.998	NO	bb
10	10 180307M2_11	Standard	500.000	5.13	874902.375	19699.551	555.154	505.1	1.0	NO	0.998	NO	bb



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**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.992591$

Calibration curve:  $-0.00409915 * x^2 + 1.64178 * x + 0.104068$

Response type: Internal Std ( Ref 46 ), 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 180307M2_2	Standard	0.250	5.10	174.611	3717.977	0.587	0.3	17.8	NO	0.993	NO	bb
2	2 180307M2_3	Standard	0.500	5.10	215.915	3623.299	0.745	0.4	-21.9	NO	0.993	NO	bb
3	3 180307M2_4	Standard	1.000	5.10	517.411	3167.625	2.042	1.2	18.4	NO	0.993	NO	bb
4	4 180307M2_5	Standard	2.000	5.10	947.434	3566.731	3.320	2.0	-1.6	NO	0.993	NO	bb
5	5 180307M2_6	Standard	5.000	5.10	2340.279	3642.649	8.031	4.9	-2.2	NO	0.993	NO	bb
6	6 180307M2_7	Standard	10.000	5.10	5354.696	3433.498	19.494	12.2	21.8	NO	0.993	NO	bb
7	7 180307M2_8	Standard	50.000	5.10	22909.834	4344.609	65.915	45.2	-9.6	NO	0.993	NO	bb
8	8 180307M2_9	Standard	100.000	5.10	46220.059	4586.241	125.975	103.3	3.3	NO	0.993	NO	bb
9	9 180307M2_10	Standard	250.000	5.10	87075.602	6388.555	170.374			NO	0.993	NO	bbXI
10	10 180307M2_11	Standard	500.000	5.10	177564.406	9744.109	227.784			NO	0.993	YES	bbXI

**Compound name: PFNS**

Coefficient of Determination:  $R^2 = 0.997663$

Calibration curve:  $-4.37361e-005 * x^2 + 0.862676 * x + -0.156905$

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 180307M2_2	Standard	0.250	5.19	109.424	4404.642	0.311	0.5	116.7	YES	0.998	NO	MMX
2	2 180307M2_3	Standard	0.500	5.20	127.727	5341.444	0.299	0.5	5.7	NO	0.998	NO	MM
3	3 180307M2_4	Standard	1.000	5.19	314.950	4711.445	0.836	1.2	15.1	NO	0.998	NO	MM
4	4 180307M2_5	Standard	2.000	5.19	718.337	4906.320	1.830	2.3	15.2	NO	0.998	NO	MM
5	5 180307M2_6	Standard	5.000	5.19	1266.395	5186.075	3.052	3.7	-25.6	NO	0.998	NO	MM
6	6 180307M2_7	Standard	10.000	5.19	3567.219	5533.300	8.059	9.5	-4.7	NO	0.998	NO	MM
7	7 180307M2_8	Standard	50.000	5.19	16123.877	4949.934	40.717	47.5	-5.0	NO	0.998	NO	MM
8	8 180307M2_9	Standard	100.000	5.19	32949.363	5105.404	80.673	94.1	-5.9	NO	0.998	NO	MM
9	9 180307M2_10	Standard	250.000	5.19	67877.656	3741.025	226.802	266.7	6.7	NO	0.998	NO	bb
10	10 180307M2_11	Standard	500.000	5.19	125849.156	3795.497	414.469	492.9	-1.4	NO	0.998	NO	MM

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**Compound name: N-MeFOSAA**

Coefficient of Determination: R<sup>2</sup> = 0.998606

Calibration curve: -0.000497229 \* x<sup>2</sup> + 1.57109 \* x + -0.0759326

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 180307M2_2	Standard	0.250	5.28	300.292	10872.701	0.345	0.3	7.2	NO	0.999	NO	bb
2	2 180307M2_3	Standard	0.500	5.28	606.332	10880.661	0.697	0.5	-1.6	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	5.28	1212.208	9886.857	1.533	1.0	2.4	NO	0.999	NO	bb
4	4 180307M2_5	Standard	2.000	5.28	2159.548	10326.701	2.614	1.7	-14.3	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	5.28	5572.081	10650.729	6.540	4.2	-15.7	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	5.28	12778.870	9383.906	17.022	10.9	9.2	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	5.28	61825.844	11121.717	69.488	44.9	-10.2	NO	0.999	NO	bb
8	8 180307M2_9	Standard	100.000	5.28	121863.930	9912.861	153.669	101.1	1.1	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	5.28	273063.500	9141.262	373.394	258.9	3.6	NO	0.999	NO	bb
10	10 180307M2_11	Standard	500.000	5.29	493495.781	9407.660	655.710	494.9	-1.0	NO	0.999	NO	bb

**Compound name: N-EtFOSAA**

Coefficient of Determination: R<sup>2</sup> = 0.998379

Calibration curve: -0.000364059 \* x<sup>2</sup> + 1.15736 \* x + -0.0859832

Response type: Internal Std ( Ref 48 ), 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 180307M2_2	Standard	0.250	5.44	218.584	12058.573	0.227	0.3	8.0	NO	0.998	NO	bb
2	2 180307M2_3	Standard	0.500	5.45	366.408	11459.065	0.400	0.4	-16.1	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	5.44	995.348	11394.757	1.092	1.0	1.8	NO	0.998	NO	bb
4	4 180307M2_5	Standard	2.000	5.44	1976.481	12393.329	1.993	1.8	-10.1	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	5.45	4958.517	11713.411	5.291	4.7	-6.9	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	5.44	10118.816	11889.358	10.639	9.3	-7.1	NO	0.998	NO	bb
7	7 180307M2_8	Standard	50.000	5.45	50652.324	11856.506	53.401	46.9	-6.2	NO	0.998	NO	bb
8	8 180307M2_9	Standard	100.000	5.44	96141.711	9861.195	121.869	109.1	9.1	NO	0.998	NO	bb
9	9 180307M2_10	Standard	250.000	5.44	197564.766	9501.135	259.923	243.3	-2.7	NO	0.998	NO	bb
10	10 180307M2_11	Standard	500.000	5.44	322378.781	8236.272	489.267	502.1	0.4	NO	0.998	NO	bb

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**Compound name: PFUdA**

Coefficient of Determination: R<sup>2</sup> = 0.999696

Calibration curve: -0.000317921 \* x<sup>2</sup> + 1.01232 \* x + 0.0146191

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 180307M2_2	Standard	0.250	5.45	505.561	30037.832	0.210	0.2	-22.6	NO	1.000	NO	MM
2	2 180307M2_3	Standard	0.500	5.45	1060.776	26294.104	0.504	0.5	-3.2	NO	1.000	NO	bb
3	3 180307M2_4	Standard	1.000	5.45	2407.214	24756.488	1.215	1.2	18.7	NO	1.000	NO	bb
4	4 180307M2_5	Standard	2.000	5.45	4033.773	23068.002	2.186	2.1	7.3	NO	1.000	NO	bb
5	5 180307M2_6	Standard	5.000	5.46	9266.508	24229.268	4.781	4.7	-5.7	NO	1.000	NO	bb
6	6 180307M2_7	Standard	10.000	5.45	21201.377	25219.518	10.508	10.4	4.0	NO	1.000	NO	bb
7	7 180307M2_8	Standard	50.000	5.45	110724.664	26696.406	51.844	52.0	4.1	NO	1.000	NO	bb
8	8 180307M2_9	Standard	100.000	5.45	185911.719	24217.838	95.958	97.8	-2.2	NO	1.000	NO	bb
9	9 180307M2_10	Standard	250.000	5.45	467863.813	25182.063	232.241	248.8	-0.5	NO	1.000	NO	MM
10	10 180307M2_11	Standard	500.000	5.46	712660.563	20842.859	427.401	501.0	0.2	NO	1.000	NO	MM

**Compound name: PFDS**

Coefficient of Determination: R<sup>2</sup> = 0.998226

Calibration curve: -4.61728e-005 \* x<sup>2</sup> + 0.205185 \* x + -0.0166458

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 180307M2_2	Standard	0.250	5.50	77.441	30037.832	0.032	0.2	-4.7	NO	0.998	NO	bb
2	2 180307M2_3	Standard	0.500	5.50	172.571	26294.104	0.082	0.5	-3.8	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	5.50	448.201	24756.488	0.226	1.2	18.4	NO	0.998	NO	bb
4	4 180307M2_5	Standard	2.000	5.50	825.454	23068.002	0.447	2.3	13.1	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	5.50	1396.421	24229.268	0.720	3.6	-28.1	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	5.50	4103.907	25219.518	2.034	10.0	0.2	NO	0.998	NO	bb
7	7 180307M2_8	Standard	50.000	5.50	21952.475	26696.406	10.279	50.8	1.5	NO	0.998	NO	bb
8	8 180307M2_9	Standard	100.000	5.50	41493.980	24217.838	21.417	107.0	7.0	NO	0.998	NO	bb
9	9 180307M2_10	Standard	250.000	5.50	93295.500	25182.063	46.310	238.6	-4.6	NO	0.998	NO	bb
10	10 180307M2_11	Standard	500.000	5.50	153046.641	20842.859	91.786	504.7	0.9	NO	0.998	NO	bb

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**Compound name: PFDa**

Coefficient of Determination: R^2 = 0.974955

Calibration curve:  $2.29179e-006 * x^2 + 0.00677359 * x + 0.0155666$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*Om 3/9/18*

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M2_2	Standard	0.250	5.74	26.004	17547.486	0.019	0.4	74.6	YES	0.975	YES	MM
2	2 180307M2_3	Standard	0.500	5.73	34.001	16548.965	0.026	1.5	198.5	YES	0.975	YES	MM
3	3 180307M2_4	Standard	1.000	5.74	18.233	19862.846	0.011			NO	0.975	NO	MMI
4	4 180307M2_5	Standard	2.000	5.76	41.427	21601.850	0.024	1.2	-38.0	YES	0.975	YES	MM
5	5 180307M2_6	Standard	5.000	5.74	32.453	19018.127	0.021	0.9	-83.0	YES	0.975	YES	MM
6	6 180307M2_7	Standard	10.000	5.74	110.030	17534.574	0.078	9.3	-7.5	NO	0.975	YES	bb
7	7 180307M2_8	Standard	50.000	5.74	647.163	24230.268	0.334	46.3	-7.5	NO	0.975	YES	db
8	8 180307M2_9	Standard	100.000	5.74	1439.440	18613.611	0.967	134.3	34.3	YES	0.975	YES	db
9	9 180307M2_10	Standard	250.000	5.74	2738.202	21668.031	1.580	215.2	-13.9	NO	0.975	YES	db
10	10 180307M2_11	Standard	500.000	5.74	6274.831	19297.857	4.064	509.8	2.0	NO	0.975	YES	bb

**Compound name: N-MeFOSA**

Coefficient of Determination: R^2 = 0.999872

Calibration curve:  $-9.76393e-005 * x^2 + 1.08999 * x + 0.0814473$

Response type: Internal Std ( Ref 51 ), 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 180307M2_2	Standard	1.250	5.98	283.181	30768.123	1.381	1.2	-4.6	NO	1.000	NO	bb
2	2 180307M2_3	Standard	2.500	5.98	556.895	30389.486	2.749	2.4	-2.1	NO	1.000	NO	bb
3	3 180307M2_4	Standard	5.000	5.98	1135.243	31820.717	5.351	4.8	-3.3	NO	1.000	NO	bb
4	4 180307M2_5	Standard	10.000	5.98	2409.848	30373.465	11.901	10.9	8.5	NO	1.000	NO	bb
5	5 180307M2_6	Standard	25.000	5.98	5639.824	30093.824	28.111	25.8	3.1	NO	1.000	NO	bd
6	6 180307M2_7	Standard	50.000	5.98	11793.954	31372.459	56.390	51.9	3.8	NO	1.000	NO	bb
7	7 180307M2_8	Standard	250.000	5.98	56614.848	31537.844	269.271	252.7	1.1	NO	1.000	NO	bb
8	8 180307M2_9	Standard	500.000	5.98	106759.617	30600.775	523.318	502.7	0.5	NO	1.000	NO	bb
9	9 180307M2_10	Standard	1250.000	5.98	232678.781	29236.115	1193.791	1230.9	-1.5	NO	1.000	NO	bb
10	10 180307M2_11	Standard	2500.000	5.99	412884.656	29185.184	2122.060	2512.1	0.5	NO	1.000	NO	bb

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**Compound name: PFTrDA**

Coefficient of Determination: R<sup>2</sup> = 0.992029

Calibration curve: 0.00528288 \* x<sup>2</sup> + 1.15272 \* x + 0.282825

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 180307M2_2	Standard	0.250	5.98	625.622	17547.486	0.446	0.1	-43.5	YES	0.992	NO	bbX
2	2 180307M2_3	Standard	0.500	5.99	1205.066	16548.965	0.910	0.5	8.6	NO	0.992	NO	bb
3	3 180307M2_4	Standard	1.000	5.99	1995.801	19862.846	1.256	0.8	-15.9	NO	0.992	NO	bb
4	4 180307M2_5	Standard	2.000	5.99	5107.994	21601.850	2.956	2.3	14.7	NO	0.992	NO	bb
5	5 180307M2_6	Standard	5.000	5.99	11955.766	19018.127	7.858	6.4	27.7	NO	0.992	NO	bb
6	6 180307M2_7	Standard	10.000	5.99	21143.807	17534.574	15.073	12.2	21.5	NO	0.992	NO	bb
7	7 180307M2_8	Standard	50.000	5.99	121346.930	24230.268	62.601	44.8	-10.3	NO	0.992	NO	bb
8	8 180307M2_9	Standard	100.000	5.99	256546.141	18613.611	172.284	101.8	1.8	NO	0.992	NO	bb
9	9 180307M2_10	Standard	250.000	5.99	450519.094	21668.031	259.898	138.0	-44.8	YES	0.992	NO	bbX
10	10 180307M2_11	Standard	500.000	5.99	890789.313	19297.857	577.000	238.9	-52.2	YES	0.992	NO	bbX

**Compound name: PFTeDA**

Coefficient of Determination: R<sup>2</sup> = 0.998456

Calibration curve: -0.00551466 \* x<sup>2</sup> + 1.83703 \* x + 0.0895093

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 180307M2_2	Standard	0.250	6.21	449.674	11297.580	0.498	0.2	-11.1	NO	0.998	NO	bb
2	2 180307M2_3	Standard	0.500	6.21	897.131	11380.788	0.985	0.5	-2.3	NO	0.998	NO	bb
3	3 180307M2_4	Standard	1.000	6.21	2189.931	13162.945	2.080	1.1	8.7	NO	0.998	NO	bb
4	4 180307M2_5	Standard	2.000	6.21	3827.380	11461.404	4.174	2.2	11.9	NO	0.998	NO	bb
5	5 180307M2_6	Standard	5.000	6.21	9413.619	14049.687	8.375	4.6	-8.5	NO	0.998	NO	bb
6	6 180307M2_7	Standard	10.000	6.21	20228.047	13937.978	18.141	10.1	1.3	NO	0.998	NO	bb
7	7 180307M2_8	Standard	50.000	6.21	82663.469	13219.570	78.164	50.0	0.0	NO	0.998	NO	bb
8	8 180307M2_9	Standard	100.000	6.21	208902.797	11814.979	221.015			NO	0.998	NO	bbXI
9	9 180307M2_10	Standard	250.000	6.21	388569.750	12490.755	388.857			NO	0.998	NO	bbXI
10	10 180307M2_11	Standard	500.000	6.21	784460.125	15827.678	619.532			NO	0.998	NO	dbXI

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**Compound name: N-EtFOSA**

Coefficient of Determination:  $R^2 = 0.999895$

Calibration curve:  $-4.22685e-005 * x^2 + 0.940039 * x + 0.0448789$

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 180307M2_2	Standard	1.250	6.38	323.498	44255.875	1.096	1.1	-10.5	NO	1.000	NO	bb
2	2 180307M2_3	Standard	2.500	6.38	729.431	44830.406	2.441	2.5	2.0	NO	1.000	NO	bb
3	3 180307M2_4	Standard	5.000	6.38	1471.540	45855.066	4.814	5.1	1.5	NO	1.000	NO	bb
4	4 180307M2_5	Standard	10.000	6.38	2772.277	43732.859	9.509	10.1	0.7	NO	1.000	NO	bb
5	5 180307M2_6	Standard	25.000	6.38	7169.932	44542.602	24.145	25.7	2.7	NO	1.000	NO	bb
6	6 180307M2_7	Standard	50.000	6.38	14576.005	45395.391	48.163	51.3	2.6	NO	1.000	NO	bb
7	7 180307M2_8	Standard	250.000	6.38	71011.805	45280.316	235.241	253.1	1.2	NO	1.000	NO	bb
8	8 180307M2_9	Standard	500.000	6.38	135106.813	43678.895	463.977	505.0	1.0	NO	1.000	NO	bb
9	9 180307M2_10	Standard	1250.000	6.38	292601.281	40154.391	1093.036	1230.8	-1.5	NO	1.000	NO	bb
10	10 180307M2_11	Standard	2500.000	6.38	516189.281	36998.230	2092.759	2509.3	0.4	NO	1.000	NO	bb

**Compound name: PFHxDA**

Coefficient of Determination:  $R^2 = 0.996901$

Calibration curve:  $-0.000175343 * x^2 + 0.469296 * x + 0.0624016$

Response type: Internal Std ( Ref 54 ), 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 180307M2_2	Standard	0.250	6.54	382.990	10801.788	0.177	0.2	-2.1	NO	0.997	NO	bb
2	2 180307M2_3	Standard	0.500	6.55	623.866	11216.739	0.278	0.5	-8.1	NO	0.997	NO	bb
3	3 180307M2_4	Standard	1.000	6.54	1161.794	11515.291	0.504	0.9	-5.8	NO	0.997	NO	bb
4	4 180307M2_5	Standard	2.000	6.54	2205.678	10918.620	1.010	2.0	1.0	NO	0.997	NO	bb
5	5 180307M2_6	Standard	5.000	6.54	5357.409	11435.668	2.342	4.9	-2.7	NO	0.997	NO	bb
6	6 180307M2_7	Standard	10.000	6.54	11220.723	10860.959	5.166	10.9	9.2	NO	0.997	NO	bb
7	7 180307M2_8	Standard	50.000	6.55	61115.215	12167.464	25.114	54.5	9.0	NO	0.997	NO	bb
8	8 180307M2_9	Standard	100.000	6.54	103705.445	10855.087	47.768	105.8	5.8	NO	0.997	NO	bb
9	9 180307M2_10	Standard	250.000	6.54	213228.219	10868.327	98.096	228.4	-8.6	NO	0.997	NO	bb
10	10 180307M2_11	Standard	500.000	6.55	458514.563	11797.684	194.324	511.8	2.4	NO	0.997	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54  
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

**Compound name: PFODA**

Coefficient of Determination:  $R^2 = 0.999267$

Calibration curve:  $-0.000361011 * x^2 + 0.955366 * x + 0.052173$

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 180307M2_2	Standard	0.250	6.78	646.886	10801.788	0.299	0.3	3.5	NO	0.999	NO	bb
2	2 180307M2_3	Standard	0.500	6.78	1281.993	11216.739	0.571	0.5	8.7	NO	0.999	NO	bb
3	3 180307M2_4	Standard	1.000	6.78	2286.250	11515.291	0.993	1.0	-1.5	NO	0.999	NO	bb
4	4 180307M2_5	Standard	2.000	6.78	4179.953	10918.620	1.914	2.0	-2.5	NO	0.999	NO	bb
5	5 180307M2_6	Standard	5.000	6.78	10586.603	11435.668	4.629	4.8	-4.0	NO	0.999	NO	bb
6	6 180307M2_7	Standard	10.000	6.78	24031.525	10860.959	11.063	11.6	15.8	NO	0.999	NO	bb
7	7 180307M2_8	Standard	50.000	6.78	119778.992	12167.464	49.221	52.5	5.0	NO	0.999	NO	bb
8	8 180307M2_9	Standard	100.000	6.78	196530.656	10855.087	90.525	98.4	-1.6	NO	0.999	NO	bb
9	9 180307M2_10	Standard	250.000	6.78	460786.063	10868.327	211.986	244.4	-2.2	NO	0.999	NO	bb
10	10 180307M2_11	Standard	500.000	6.78	919482.375	11797.684	389.688	503.7	0.7	NO	0.999	NO	bb

**Compound name: N-MeFOSE**

Coefficient of Determination:  $R^2 = 0.998719$

Calibration curve:  $-7.38657e-005 * x^2 + 0.936106 * x + 0.0554316$

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 180307M2_2	Standard	1.250	6.51	237.013	39005.652	0.911	0.9	-26.8	NO	0.999	NO	bb
2	2 180307M2_3	Standard	2.500	6.51	553.383	39011.109	2.128	2.2	-11.4	NO	0.999	NO	bb
3	3 180307M2_4	Standard	5.000	6.51	1264.549	34824.887	5.447	5.8	15.2	NO	0.999	NO	bb
4	4 180307M2_5	Standard	10.000	6.51	2408.220	33768.207	10.697	11.4	13.8	NO	0.999	NO	bb
5	5 180307M2_6	Standard	25.000	6.51	5310.190	33783.949	23.577	25.2	0.7	NO	0.999	NO	bb
6	6 180307M2_7	Standard	50.000	6.51	9153.002	28439.365	48.276	51.7	3.4	NO	0.999	NO	MM
7	7 180307M2_8	Standard	250.000	6.51	62198.898	36806.313	253.485	276.8	10.7	NO	0.999	NO	bb
8	8 180307M2_9	Standard	500.000	6.51	104114.391	36172.488	431.741	479.3	-4.1	NO	0.999	NO	MM
9	9 180307M2_10	Standard	1250.000	6.51	221984.281	32206.184	1033.890	1222.3	-2.2	NO	0.999	NO	bb
10	10 180307M2_11	Standard	2500.000	6.51	434045.250	34443.641	1890.241	2520.5	0.8	NO	0.999	NO	MM



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**Compound name: N-EtFOSE**

Correlation coefficient:  $r = 0.997161$ ,  $r^2 = 0.994331$

Calibration curve:  $1.09145 * x + -0.0776188$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M2_2	Standard	1.250	6.66	253.175	27959.480	1.358	1.3	5.2	NO	0.994	NO	bb
2	2 180307M2_3	Standard	2.500	6.65	632.566	30961.068	3.065	2.9	15.2	NO	0.994	NO	bb
3	3 180307M2_4	Standard	5.000	6.65	1358.911	31684.873	6.433	6.0	19.3	NO	0.994	NO	bb
4	4 180307M2_5	Standard	10.000	6.65	2147.643	30144.691	10.687	9.9	-1.4	NO	0.994	NO	bb
5	5 180307M2_6	Standard	25.000	6.66	5594.814	35730.820	23.487	21.6	-13.6	NO	0.994	NO	bb
6	6 180307M2_7	Standard	50.000	6.65	10253.052	33125.031	46.429	42.6	-14.8	NO	0.994	NO	MM
7	7 180307M2_8	Standard	250.000	6.65	55133.652	31586.967	261.818	240.0	-4.0	NO	0.994	NO	bb
8	8 180307M2_9	Standard	500.000	6.65	110580.914	30980.855	535.400	490.6	-1.9	NO	0.994	NO	bb
9	9 180307M2_10	Standard	1250.000	6.65	248872.156	30525.061	1222.957	1120.6	-10.4	NO	0.994	NO	MM
10	10 180307M2_11	Standard	2500.000	6.66	539275.688	27879.660	2901.447	2658.4	6.3	NO	0.994	NO	bb

**Compound name: 13C3-PFBA**

Response Factor: 0.881748

RRF SD: 0.0389216, Relative SD: 4.41414

Response type: Internal Std ( Ref 57 ), 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 180307M2_2	Standard	12.500	1.45	7807.841	9062.441	10.770	12.2	-2.3	NO		NO	MM
2	2 180307M2_3	Standard	12.500	1.45	7414.112	8627.546	10.742	12.2	-2.5	NO		NO	MM
3	3 180307M2_4	Standard	12.500	1.45	8304.409	8948.503	11.600	13.2	5.2	NO		NO	MM
4	4 180307M2_5	Standard	12.500	1.45	7664.970	8735.587	10.968	12.4	-0.5	NO		NO	MM
5	5 180307M2_6	Standard	12.500	1.45	7200.527	7728.950	11.645	13.2	5.7	NO		NO	MM
6	6 180307M2_7	Standard	12.500	1.45	7915.193	8470.948	11.680	13.2	6.0	NO		NO	MM
7	7 180307M2_8	Standard	12.500	1.45	7971.371	8875.496	11.227	12.7	1.9	NO		NO	bb
8	8 180307M2_9	Standard	12.500	1.45	7636.464	8922.502	10.698	12.1	-2.9	NO		NO	MM
9	9 180307M2_10	Standard	12.500	1.45	7427.438	8963.981	10.357	11.7	-6.0	NO		NO	MM
10	10 180307M2_11	Standard	12.500	1.46	7278.908	8639.723	10.531	11.9	-4.5	NO		NO	MM



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**Compound name: 13C3-PFPeA**

Response Factor: 0.887857

RRF SD: 0.0403321, Relative SD: 4.54264

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	12.500	2.41	20634.395	23076.850	11.177	12.6	0.7	NO		NO	bb
2	2 180307M2_3	Standard	12.500	2.41	20691.186	24302.049	10.643	12.0	-4.1	NO		NO	bb
3	3 180307M2_4	Standard	12.500	2.41	21043.783	24684.100	10.657	12.0	-4.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	2.41	20444.408	21521.941	11.874	13.4	7.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	2.41	21410.930	22951.992	11.661	13.1	5.1	NO		NO	bb
6	6 180307M2_7	Standard	12.500	2.41	20580.490	24156.400	10.650	12.0	-4.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	2.41	22342.971	23600.490	11.834	13.3	6.6	NO		NO	bb
8	8 180307M2_9	Standard	12.500	2.41	20090.730	23221.486	10.815	12.2	-2.6	NO		NO	bb
9	9 180307M2_10	Standard	12.500	2.41	18646.551	21526.828	10.828	12.2	-2.4	NO		NO	bb
10	10 180307M2_11	Standard	12.500	2.41	18472.662	21291.395	10.845	12.2	-2.3	NO		NO	bb

**Compound name: 13C3-PFBS**

Response Factor: 0.100944

RRF SD: 0.00470493, Relative SD: 4.66094

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	12.500	2.68	2416.641	23076.850	1.309	13.0	3.7	NO		NO	bb
2	2 180307M2_3	Standard	12.500	2.68	2475.857	24302.049	1.273	12.6	0.9	NO		NO	bb
3	3 180307M2_4	Standard	12.500	2.69	2466.994	24684.100	1.249	12.4	-1.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	2.69	2291.045	21521.941	1.331	13.2	5.5	NO		NO	bb
5	5 180307M2_6	Standard	12.500	2.68	2410.681	22951.992	1.313	13.0	4.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	2.69	2311.856	24156.400	1.196	11.9	-5.2	NO		NO	bb
7	7 180307M2_8	Standard	12.500	2.68	2411.228	23600.490	1.277	12.7	1.2	NO		NO	bb
8	8 180307M2_9	Standard	12.500	2.69	2294.602	23221.486	1.235	12.2	-2.1	NO		NO	bb
9	9 180307M2_10	Standard	12.500	2.68	2229.408	21526.828	1.295	12.8	2.6	NO		NO	bb
10	10 180307M2_11	Standard	12.500	2.69	1940.977	21291.395	1.140	11.3	-9.7	NO		NO	bb

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**Compound name: 13C2-PFHxA**

Response Factor: 0.743741

RRF SD: 0.0376031, Relative SD: 5.05594

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	5.000	3.18	7376.902	23076.850	3.996	5.4	7.5	NO		NO	bb
2	2 180307M2_3	Standard	5.000	3.18	6698.330	24302.049	3.445	4.6	-7.4	NO		NO	bb
3	3 180307M2_4	Standard	5.000	3.18	7161.120	24684.100	3.626	4.9	-2.5	NO		NO	bb
4	4 180307M2_5	Standard	5.000	3.18	6706.463	21521.941	3.895	5.2	4.7	NO		NO	bb
5	5 180307M2_6	Standard	5.000	3.18	6381.543	22951.992	3.475	4.7	-6.5	NO		NO	bb
6	6 180307M2_7	Standard	5.000	3.18	7008.061	24156.400	3.626	4.9	-2.5	NO		NO	bb
7	7 180307M2_8	Standard	5.000	3.18	7240.950	23600.490	3.835	5.2	3.1	NO		NO	bb
8	8 180307M2_9	Standard	5.000	3.18	7226.828	23221.486	3.890	5.2	4.6	NO		NO	bb
9	9 180307M2_10	Standard	5.000	3.18	6521.240	21526.828	3.787	5.1	1.8	NO		NO	bb
10	10 180307M2_11	Standard	5.000	3.18	6149.745	21291.395	3.610	4.9	-2.9	NO		NO	bb

**Compound name: 13C4-PFHpA**

Response Factor: 0.740139

RRF SD: 0.0441428, Relative SD: 5.96413

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	12.500	3.79	17492.340	23076.850	9.475	12.8	2.4	NO		NO	bb
2	2 180307M2_3	Standard	12.500	3.79	16998.473	24302.049	8.743	11.8	-5.5	NO		NO	bb
3	3 180307M2_4	Standard	12.500	3.79	17894.396	24684.100	9.062	12.2	-2.1	NO		NO	bb
4	4 180307M2_5	Standard	12.500	3.79	18118.047	21521.941	10.523	14.2	13.7	NO		NO	bb
5	5 180307M2_6	Standard	12.500	3.79	16941.070	22951.992	9.226	12.5	-0.3	NO		NO	bb
6	6 180307M2_7	Standard	12.500	3.79	17030.949	24156.400	8.813	11.9	-4.7	NO		NO	bb
7	7 180307M2_8	Standard	12.500	3.79	18417.037	23600.490	9.755	13.2	5.4	NO		NO	bb
8	8 180307M2_9	Standard	12.500	3.79	17145.188	23221.486	9.229	12.5	-0.2	NO		NO	bb
9	9 180307M2_10	Standard	12.500	3.79	15301.759	21526.828	8.885	12.0	-4.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	3.80	14999.320	21291.395	8.806	11.9	-4.8	NO		NO	bb

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**Compound name: 18O2-PFHxS**

Response Factor: 0.424251

RRF SD: 0.0390088, Relative SD: 9.19476

Response type: Internal Std ( Ref 59 ), 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 180307M2_2	Standard	12.500	3.94	1996.003	4448.016	5.609	13.2	5.8	NO		NO	bb
2	2 180307M2_3	Standard	12.500	3.94	1907.617	4579.724	5.207	12.3	-1.8	NO		NO	bb
3	3 180307M2_4	Standard	12.500	3.94	1853.461	4681.238	4.949	11.7	-6.7	NO		NO	bb
4	4 180307M2_5	Standard	12.500	3.94	1783.400	4725.152	4.718	11.1	-11.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	3.94	2000.399	4135.252	6.047	14.3	14.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	3.94	1716.965	4339.483	4.946	11.7	-6.7	NO		NO	bb
7	7 180307M2_8	Standard	12.500	3.94	2160.945	4634.477	5.828	13.7	9.9	NO		NO	bb
8	8 180307M2_9	Standard	12.500	3.94	1728.024	4463.807	4.839	11.4	-8.8	NO		NO	bb
9	9 180307M2_10	Standard	12.500	3.95	1786.932	3807.330	5.867	13.8	10.6	NO		NO	bb
10	10 180307M2_11	Standard	12.500	3.95	1694.728	4218.540	5.022	11.8	-5.3	NO		NO	bb

**Compound name: 13C2-6:2 FTS**

Response Factor: 0.253676

RRF SD: 0.0437249, Relative SD: 17.2365

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 180307M2_2	Standard	12.500	4.26	5025.898	22206.615	2.829	11.2	-10.8	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.26	4584.872	20696.357	2.769	10.9	-12.7	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.26	5541.772	21779.225	3.181	12.5	0.3	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.26	5296.680	23824.783	2.779	11.0	-12.4	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.26	5365.863	22403.834	2.994	11.8	-5.6	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.26	5579.147	23722.352	2.940	11.6	-7.3	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.26	6078.586	21756.781	3.492	13.8	10.1	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.26	6975.006	19888.748	4.384	17.3	38.2	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.26	9418.064	19909.219	5.913	23.3	86.5	NO		NO	bbX
10	10 180307M2_11	Standard	12.500	4.26	13110.937	19782.818	8.284	32.7	161.3	NO		NO	bbX

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**Compound name: 13C2-PFOA**

Response Factor: 1.12897

RRF SD: 0.0786032, Relative SD: 6.96238

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 180307M2_2	Standard	12.500	4.32	23817.580	22206.615	13.407	11.9	-5.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.32	24820.223	20696.357	14.991	13.3	6.2	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.32	25316.568	21779.225	14.530	12.9	3.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.32	24412.830	23824.783	12.809	11.3	-9.2	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.32	25723.428	22403.834	14.352	12.7	1.7	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.32	25034.715	23722.352	13.192	11.7	-6.5	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.32	26587.549	21756.781	15.275	13.5	8.2	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.32	24872.721	19888.748	15.632	13.8	10.8	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.32	21873.455	19909.219	13.733	12.2	-2.7	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.32	20890.893	19782.818	13.200	11.7	-6.5	NO		NO	bb

**Compound name: 13C5-PFNA**

Response Factor: 1.00648

RRF SD: 0.0696486, Relative SD: 6.92002

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 180307M2_2	Standard	12.500	4.75	21978.621	23161.539	11.862	11.8	-5.7	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.75	20783.010	21637.518	12.006	11.9	-4.6	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.75	25160.045	23381.383	13.451	13.4	6.9	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.75	22508.479	21737.277	12.943	12.9	2.9	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.75	23889.010	24019.645	12.432	12.4	-1.2	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.75	24031.678	25631.992	11.720	11.6	-6.8	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.75	21916.197	18862.090	14.524	14.4	15.4	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.75	21439.992	22255.164	12.042	12.0	-4.3	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.75	20962.578	21658.967	12.098	12.0	-3.8	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.76	18787.787	18445.502	12.732	12.6	1.2	NO		NO	bb

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**Compound name: 13C8-PFOA**

Response Factor: 0.18182

RRF SD: 0.00716329, Relative SD: 3.93976

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 180307M2_2	Standard	12.500	4.83	4735.893	25186.721	2.350	12.9	3.4	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.83	4672.019	26553.359	2.199	12.1	-3.2	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.83	4833.539	26947.623	2.242	12.3	-1.3	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.83	4460.536	26626.092	2.094	11.5	-7.9	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.83	4638.693	25115.025	2.309	12.7	1.6	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.83	4281.274	24000.357	2.230	12.3	-1.9	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.83	4500.254	23895.506	2.354	12.9	3.6	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.83	4046.905	21895.617	2.310	12.7	1.7	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.83	3747.587	20906.238	2.241	12.3	-1.4	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.83	3655.545	19055.637	2.398	13.2	5.5	NO		NO	bb

**Compound name: 13C8-PFOS**

Response Factor: 1.04888

RRF SD: 0.208701, Relative SD: 19.8975

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 180307M2_2	Standard	12.500	4.84	4404.642	5252.366	10.483	10.0	-20.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.84	5341.444	3739.244	17.856	17.0	36.2	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.84	4711.445	5187.149	11.354	10.8	-13.4	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.84	4906.320	3808.477	16.103	15.4	22.8	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.84	5186.075	4227.732	15.334	14.6	17.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.84	5533.300	5482.837	12.615	12.0	-3.8	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.84	4949.934	4457.155	13.882	13.2	5.9	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.84	5105.404	5155.414	12.379	11.8	-5.6	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.84	3741.025	4256.406	10.986	10.5	-16.2	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.84	3795.497	4688.766	10.119	9.6	-22.8	NO		NO	bb

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**Compound name: 13C2-PFDA**

Response Factor: 1.08179

RRF SD: 0.179072, Relative SD: 16.5532

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 180307M2_2	Standard	12.500	5.13	22629.998	23520.055	12.027	11.1	-11.1	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.13	21271.828	20035.156	13.272	12.3	-1.9	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.13	22599.018	21317.910	13.251	12.2	-2.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.13	19916.631	20224.252	12.310	11.4	-9.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.13	22829.578	22113.408	12.905	11.9	-4.6	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.13	25366.107	23412.016	13.543	12.5	0.2	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.13	26961.881	17212.568	19.580	18.1	44.8	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.13	24454.252	25327.857	12.069	11.2	-10.7	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.13	25428.689	22588.873	14.071	13.0	4.1	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.13	19699.551	20190.395	12.196	11.3	-9.8	NO		NO	bb

**Compound name: 13C2-8:2 FTS**

Response Factor: 0.160837

RRF SD: 0.0222258, Relative SD: 13.8189

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	12.500	5.10	3717.977	23076.850	2.014	12.5	0.2	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.10	3623.299	24302.049	1.864	11.6	-7.3	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.10	3167.625	24684.100	1.604	10.0	-20.2	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.10	3566.731	21521.941	2.072	12.9	3.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.10	3642.649	22951.992	1.984	12.3	-1.3	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.10	3433.498	24156.400	1.777	11.0	-11.6	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.10	4344.609	23600.490	2.301	14.3	14.5	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.10	4586.241	23221.486	2.469	15.3	22.8	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.10	6388.555	21526.828	3.710	23.1	84.5	NO		NO	bbX
10	10 180307M2_11	Standard	12.500	5.10	9744.109	21291.395	5.721	35.6	184.5	NO		NO	bbX

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**Compound name: d3-N-MeFOSAA**

Response Factor: 0.426036

RRF SD: 0.0386633, Relative SD: 9.07512

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 180307M2_2	Standard	12.500	5.28	10872.701	25186.721	5.396	12.7	1.3	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.28	10880.661	26553.359	5.122	12.0	-3.8	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.28	9886.857	26947.623	4.586	10.8	-13.9	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.28	10326.701	26626.092	4.848	11.4	-9.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.28	10650.729	25115.025	5.301	12.4	-0.5	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.28	9383.906	24000.357	4.887	11.5	-8.2	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.28	11121.717	23895.506	5.818	13.7	9.2	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.28	9912.861	21895.617	5.659	13.3	6.3	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.28	9141.262	20906.238	5.466	12.8	2.6	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.28	9407.660	19055.637	6.171	14.5	15.9	NO		NO	bb

**Compound name: d5-N-EtFOSAA**

Response Factor: 0.459364

RRF SD: 0.0259582, Relative SD: 5.65091

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 180307M2_2	Standard	12.500	5.44	12058.573	25186.721	5.985	13.0	4.2	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.44	11459.065	26553.359	5.394	11.7	-6.1	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.44	11394.757	26947.623	5.286	11.5	-7.9	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.44	12393.329	26626.092	5.818	12.7	1.3	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.44	11713.411	25115.025	5.830	12.7	1.5	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.44	11889.358	24000.357	6.192	13.5	7.8	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.44	11856.506	23895.506	6.202	13.5	8.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.44	9861.195	21895.617	5.630	12.3	-2.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.44	9501.135	20906.238	5.681	12.4	-1.1	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.44	8236.272	19055.637	5.403	11.8	-5.9	NO		NO	bb



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**Compound name: 13C2-PFUdA**

Response Factor: 1.0505

RRF SD: 0.113331, Relative SD: 10.7883

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 180307M2_2	Standard	12.500	5.45	30037.832	25186.721	14.908	14.2	13.5	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.45	26294.104	26553.359	12.378	11.8	-5.7	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.45	24756.488	26947.623	11.484	10.9	-12.5	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.45	23068.002	26626.092	10.830	10.3	-17.5	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.46	24229.268	25115.025	12.059	11.5	-8.2	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.45	25219.518	24000.357	13.135	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.45	26696.406	23895.506	13.965	13.3	6.4	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.45	24217.838	21895.617	13.826	13.2	5.3	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.45	25182.063	20906.238	15.057	14.3	14.7	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.46	20842.859	19055.637	13.672	13.0	4.1	NO		NO	bb

**Compound name: 13C2-PFDoA**

Response Factor: 0.826943

RRF SD: 0.147139, Relative SD: 17.7931

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 180307M2_2	Standard	12.500	5.74	17547.486	25186.721	8.709	10.5	-15.8	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.74	16548.965	26553.359	7.790	9.4	-24.6	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.74	19862.846	26947.623	9.214	11.1	-10.9	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.74	21601.850	26626.092	10.141	12.3	-1.9	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.74	19018.127	25115.025	9.466	11.4	-8.4	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.74	17534.574	24000.357	9.132	11.0	-11.7	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.74	24230.268	23895.506	12.675	15.3	22.6	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.74	18613.611	21895.617	10.626	12.9	2.8	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.74	21668.031	20906.238	12.955	15.7	25.3	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.74	19297.857	19055.637	12.659	15.3	22.5	NO		NO	bb



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**Compound name: d3-N-MeFOSA**

Response Factor: 0.107004

RRF SD: 0.0107939, Relative SD: 10.0874

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 180307M2_2	Standard	150.000	6.00	30768.123	25186.721	15.270	142.7	-4.9	NO		NO	bb
2	2 180307M2_3	Standard	150.000	6.00	30389.486	26553.359	14.306	133.7	-10.9	NO		NO	bb
3	3 180307M2_4	Standard	150.000	6.00	31820.717	26947.623	14.760	137.9	-8.0	NO		NO	bb
4	4 180307M2_5	Standard	150.000	6.00	30373.465	26626.092	14.259	133.3	-11.2	NO		NO	bb
5	5 180307M2_6	Standard	150.000	6.00	30093.824	25115.025	14.978	140.0	-6.7	NO		NO	bb
6	6 180307M2_7	Standard	150.000	6.00	31372.459	24000.357	16.340	152.7	1.8	NO		NO	bb
7	7 180307M2_8	Standard	150.000	6.01	31537.844	23895.506	16.498	154.2	2.8	NO		NO	bb
8	8 180307M2_9	Standard	150.000	6.00	30600.775	21895.617	17.470	163.3	8.8	NO		NO	bb
9	9 180307M2_10	Standard	150.000	6.01	29236.115	20906.238	17.480	163.4	8.9	NO		NO	bb
10	10 180307M2_11	Standard	150.000	6.01	29185.184	19055.637	19.145	178.9	19.3	NO		NO	bb

**Compound name: 13C2-PFTeDA**

Response Factor: 0.514058

RRF SD: 0.0660351, Relative SD: 12.8458

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 180307M2_2	Standard	12.500	6.21	11297.580	25186.721	5.607	10.9	-12.7	NO		NO	bb
2	2 180307M2_3	Standard	12.500	6.21	11380.788	26553.359	5.358	10.4	-16.6	NO		NO	bb
3	3 180307M2_4	Standard	12.500	6.21	13162.945	26947.623	6.106	11.9	-5.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	6.21	11461.404	26626.092	5.381	10.5	-16.3	NO		NO	bb
5	5 180307M2_6	Standard	12.500	6.21	14049.687	25115.025	6.993	13.6	8.8	NO		NO	bb
6	6 180307M2_7	Standard	12.500	6.21	13937.978	24000.357	7.259	14.1	13.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	6.21	13219.570	23895.506	6.915	13.5	7.6	NO		NO	bb
8	8 180307M2_9	Standard	12.500	6.21	11814.979	21895.617	6.745	13.1	5.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	6.21	12490.755	20906.238	7.468	14.5	16.2	NO		NO	bb
10	10 180307M2_11	Standard	12.500	6.21	15827.678	19055.637	10.383	20.2	61.6	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

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**Compound name: d5-N-ETFOSA**

Response Factor: 0.151722

RRF SD: 0.0102135, Relative SD: 6.73174

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 180307M2_2	Standard	150.000	6.39	44255.875	25186.721	21.964	144.8	-3.5	NO		NO	bb
2	2 180307M2_3	Standard	150.000	6.39	44830.406	26553.359	21.104	139.1	-7.3	NO		NO	bb
3	3 180307M2_4	Standard	150.000	6.39	45855.066	26947.623	21.270	140.2	-6.5	NO		NO	bb
4	4 180307M2_5	Standard	150.000	6.39	43732.859	26626.092	20.531	135.3	-9.8	NO		NO	bb
5	5 180307M2_6	Standard	150.000	6.39	44542.602	25115.025	22.169	146.1	-2.6	NO		NO	bb
6	6 180307M2_7	Standard	150.000	6.39	45395.391	24000.357	23.643	155.8	3.9	NO		NO	bb
7	7 180307M2_8	Standard	150.000	6.40	45280.316	23895.506	23.687	156.1	4.1	NO		NO	bb
8	8 180307M2_9	Standard	150.000	6.39	43678.895	21895.617	24.936	164.4	9.6	NO		NO	bb
9	9 180307M2_10	Standard	150.000	6.40	40154.391	20906.238	24.009	158.2	5.5	NO		NO	bb
10	10 180307M2_11	Standard	150.000	6.40	36998.230	19055.637	24.270	160.0	6.6	NO		NO	bb

**Compound name: 13C2-PFHxDA**

Response Factor: 1.18512

RRF SD: 0.159528, Relative SD: 13.4609

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 180307M2_2	Standard	5.000	6.54	10801.788	25186.721	5.361	4.5	-9.5	NO		NO	bb
2	2 180307M2_3	Standard	5.000	6.55	11216.739	26553.359	5.280	4.5	-10.9	NO		NO	bb
3	3 180307M2_4	Standard	5.000	6.54	11515.291	26947.623	5.342	4.5	-9.9	NO		NO	bb
4	4 180307M2_5	Standard	5.000	6.54	10918.620	26626.092	5.126	4.3	-13.5	NO		NO	bb
5	5 180307M2_6	Standard	5.000	6.54	11435.668	25115.025	5.692	4.8	-3.9	NO		NO	bb
6	6 180307M2_7	Standard	5.000	6.54	10860.959	24000.357	5.657	4.8	-4.5	NO		NO	bb
7	7 180307M2_8	Standard	5.000	6.55	12167.464	23895.506	6.365	5.4	7.4	NO		NO	bb
8	8 180307M2_9	Standard	5.000	6.54	10855.087	21895.617	6.197	5.2	4.6	NO		NO	bb
9	9 180307M2_10	Standard	5.000	6.54	10868.327	20906.238	6.498	5.5	9.7	NO		NO	bb
10	10 180307M2_11	Standard	5.000	6.55	11797.684	19055.637	7.739	6.5	30.6	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

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**Compound name: d7-N-MeFOSE**

Response Factor: 0.122728

RRF SD: 0.0161058, Relative SD: 13.1231

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 180307M2_2	Standard	150.000	6.50	39005.652	25186.721	19.358	157.7	5.2	NO		NO	bb
2	2 180307M2_3	Standard	150.000	6.50	39490.063	26553.359	18.590	151.5	1.0	NO		NO	bd
3	3 180307M2_4	Standard	150.000	6.50	34824.887	26947.623	16.154	131.6	-12.3	NO		NO	bb
4	4 180307M2_5	Standard	150.000	6.50	34182.180	26626.092	16.047	130.8	-12.8	NO		NO	bd
5	5 180307M2_6	Standard	150.000	6.50	34105.039	25115.025	16.974	138.3	-7.8	NO		NO	bd
6	6 180307M2_7	Standard	150.000	6.50	28439.365	24000.357	14.812	120.7	-19.5	NO		NO	bb
7	7 180307M2_8	Standard	150.000	6.50	36806.313	23895.506	19.254	156.9	4.6	NO		NO	MM
8	8 180307M2_9	Standard	150.000	6.50	36876.336	21895.617	21.052	171.5	14.4	NO		NO	bd
9	9 180307M2_10	Standard	150.000	6.50	32206.184	20906.238	19.256	156.9	4.6	NO		NO	bb
10	10 180307M2_11	Standard	150.000	6.50	34443.641	19055.637	22.594	184.1	22.7	NO		NO	MM

**Compound name: d9-N-EtFOSE**

Response Factor: 0.108724

RRF SD: 0.0119411, Relative SD: 10.983

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 180307M2_2	Standard	150.000	6.64	27959.480	25186.721	13.876	127.6	-14.9	NO		NO	MM
2	2 180307M2_3	Standard	150.000	6.64	30961.068	26553.359	14.575	134.1	-10.6	NO		NO	bb
3	3 180307M2_4	Standard	150.000	6.64	31684.873	26947.623	14.697	135.2	-9.9	NO		NO	bb
4	4 180307M2_5	Standard	150.000	6.64	30144.691	26626.092	14.152	130.2	-13.2	NO		NO	bb
5	5 180307M2_6	Standard	150.000	6.64	35730.820	25115.025	17.784	163.6	9.0	NO		NO	bb
6	6 180307M2_7	Standard	150.000	6.64	33125.031	24000.357	17.252	158.7	5.8	NO		NO	bb
7	7 180307M2_8	Standard	150.000	6.64	31586.967	23895.506	16.523	152.0	1.3	NO		NO	bb
8	8 180307M2_9	Standard	150.000	6.64	30980.855	21895.617	17.687	162.7	8.5	NO		NO	bb
9	9 180307M2_10	Standard	150.000	6.64	30525.061	20906.238	18.251	167.9	11.9	NO		NO	bb
10	10 180307M2_11	Standard	150.000	6.64	27879.660	19055.637	18.288	168.2	12.1	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 57 ), 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 180307M2_2	Standard	12.500	1.45	9062.441	9062.441	12.500	12.5	0.0	NO		NO	MM
2	2 180307M2_3	Standard	12.500	1.44	8627.546	8627.546	12.500	12.5	0.0	NO		NO	MM
3	3 180307M2_4	Standard	12.500	1.45	8948.503	8948.503	12.500	12.5	0.0	NO		NO	MM
4	4 180307M2_5	Standard	12.500	1.45	8735.587	8735.587	12.500	12.5	0.0	NO		NO	MM
5	5 180307M2_6	Standard	12.500	1.45	7728.950	7728.950	12.500	12.5	0.0	NO		NO	MM
6	6 180307M2_7	Standard	12.500	1.45	8470.948	8470.948	12.500	12.5	0.0	NO		NO	MM
7	7 180307M2_8	Standard	12.500	1.45	8875.496	8875.496	12.500	12.5	0.0	NO		NO	MM
8	8 180307M2_9	Standard	12.500	1.45	8922.502	8922.502	12.500	12.5	0.0	NO		NO	MM
9	9 180307M2_10	Standard	12.500	1.45	8963.981	8963.981	12.500	12.5	0.0	NO		NO	MM
10	10 180307M2_11	Standard	12.500	1.45	8639.723	8639.723	12.500	12.5	0.0	NO		NO	MM

**Compound name: 13C5-PFHxA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 58 ), 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 180307M2_2	Standard	12.500	3.18	23076.850	23076.850	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	3.18	24302.049	24302.049	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	3.18	24684.100	24684.100	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	3.18	21521.941	21521.941	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	3.18	22951.992	22951.992	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	3.18	24156.400	24156.400	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	3.18	23600.490	23600.490	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	3.18	23221.486	23221.486	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	3.18	21526.828	21526.828	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	3.18	21291.395	21291.395	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C3-PFHxS**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 59 ), 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 180307M2_2	Standard	12.500	3.94	4448.016	4448.016	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	3.94	4579.724	4579.724	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	3.94	4681.238	4681.238	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	3.94	4725.152	4725.152	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	3.94	4135.252	4135.252	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	3.94	4339.483	4339.483	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	3.94	4634.477	4634.477	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	3.94	4463.807	4463.807	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	3.94	3807.330	3807.330	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	3.95	4218.540	4218.540	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 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 180307M2_2	Standard	12.500	4.32	22206.615	22206.615	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.32	20696.357	20696.357	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.32	21779.225	21779.225	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.32	23824.783	23824.783	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.32	22403.834	22403.834	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.32	23722.352	23722.352	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.32	21756.781	21756.781	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.32	19888.748	19888.748	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.32	19909.219	19909.219	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.32	19782.818	19782.818	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 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 180307M2_2	Standard	12.500	4.75	23161.539	23161.539	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.75	21637.518	21637.518	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.75	23381.383	23381.383	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.75	21737.277	21737.277	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.75	24019.645	24019.645	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.75	25631.992	25631.992	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.75	18862.090	18862.090	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.75	22255.164	22255.164	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.75	21658.967	21658.967	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.76	18445.502	18445.502	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 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 180307M2_2	Standard	12.500	4.84	5252.366	5252.366	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	4.84	3739.244	3739.244	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	4.84	5187.149	5187.149	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	4.84	3808.477	3808.477	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	4.84	4227.732	4227.732	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	4.84	5482.837	5482.837	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	4.84	4457.155	4457.155	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	4.84	5155.414	5155.414	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	4.84	4256.406	4256.406	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	4.84	4688.766	4688.766	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C6-PFDA**

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 180307M2_2	Standard	12.500	5.13	23520.055	23520.055	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.13	20035.156	20035.156	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.13	21317.910	21317.910	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.13	20224.252	20224.252	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.13	22113.408	22113.408	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.13	23412.016	23412.016	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.13	17212.568	17212.568	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.13	25327.857	25327.857	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.13	22588.873	22588.873	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.13	20190.395	20190.395	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 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 180307M2_2	Standard	12.500	5.45	25186.721	25186.721	12.500	12.5	0.0	NO		NO	bb
2	2 180307M2_3	Standard	12.500	5.45	26553.359	26553.359	12.500	12.5	0.0	NO		NO	bb
3	3 180307M2_4	Standard	12.500	5.45	26947.623	26947.623	12.500	12.5	0.0	NO		NO	bb
4	4 180307M2_5	Standard	12.500	5.45	26626.092	26626.092	12.500	12.5	0.0	NO		NO	bb
5	5 180307M2_6	Standard	12.500	5.45	25115.025	25115.025	12.500	12.5	0.0	NO		NO	bb
6	6 180307M2_7	Standard	12.500	5.45	24000.357	24000.357	12.500	12.5	0.0	NO		NO	bb
7	7 180307M2_8	Standard	12.500	5.45	23895.506	23895.506	12.500	12.5	0.0	NO		NO	bb
8	8 180307M2_9	Standard	12.500	5.45	21895.617	21895.617	12.500	12.5	0.0	NO		NO	bb
9	9 180307M2_10	Standard	12.500	5.45	20906.238	20906.238	12.500	12.5	0.0	NO		NO	bb
10	10 180307M2_11	Standard	12.500	5.46	19055.637	19055.637	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

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Ⓚ Not used.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	34	0.9981	NO	
2	2 PFPeA	35	0.9994	NO	
3	3 PFBS	36	0.9983	NO	
4	4 4:2 FTS	36	0.9987	NO	
5	5 PFHxA	37	0.9997	NO	
6	6 PFPeS	36	0.9938	NO	
7	7 PFHpA	38	0.9997	NO	
8	8 L-PFHxS	39	0.9963	NO	
9	10 6:2 FTS	40	0.9941	NO	
10	11 L-PFOA	41	0.9965	NO	
11	13 PFHpS	41	0.9996	NO	
12	14 PFNA	42	0.9990	NO	
13	15 PFOSA	43	0.9985	NO	
14	16 L-PFOS	44	0.9972	NO	
15	18 PFDA	45	0.9984	NO	
16	19 8:2 FTS	46	0.9926	NO	
17	20 PFNS	44	0.9977	NO	
18	21 N-MeFOSAA	47	0.9986	NO	
19	22 N-EtFOSAA	48	0.9984	NO	
20	23 PFUdA	49	0.9997	NO	
21	24 PFDS	49	0.9982	NO	
22	25 PFDaA	50	0.9750	YES	
23	26 N-MeFOSA	51	0.9999	NO	
24	27 PFTrDA	50	0.9925	NO	
25	28 PFTeDA	52	0.9985	NO	
26	29 N-EtFOSA	53	0.9999	NO	
27	30 PFHxDA	54	0.9969	NO	
28	31 PFODA	54	0.9993	NO	
29	32 N-MeFOSE	55	0.9987	NO	
30	33 N-EtFOSE	56	0.9943	NO	
31	34 13C3-PFBA	57		NO	4.414



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 12:43:20 Pacific Standard Time

Printed: Friday, March 09, 2018 12:46:09 Pacific Standard Time

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813

	# Name	IS#	CoD	CoD Flag	%RSD
32	35 13C3-PFPeA	58		NO	4.543
33	36 13C3-PFBS	58		NO	4.661
34	37 13C2-PFHxA	58		NO	5.056
35	38 13C4-PFHpA	58		NO	5.964
36	39 18O2-PFHxS	59		NO	9.195
37	40 13C2-6:2 FTS	60		NO	17.237
38	41 13C2-PFOA	60		NO	6.962
39	42 13C5-PFNA	61		NO	6.920
40	43 13C8-PFOA	64		NO	3.940
41	44 13C8-PFOS	62		NO	19.898
42	45 13C2-PFDA	63		NO	16.553
43	46 13C2-8:2 FTS	58		NO	13.819
44	47 d3-N-MeFOSAA	64		NO	9.075
45	48 d5-N-EtFOSAA	64		NO	5.651
46	49 13C2-PFUdA	64		NO	10.788
47	50 13C2-PFDoA	64		NO	17.793
48	51 d3-N-MeFOSA	64		NO	10.087
49	52 13C2-PFTeDA	64		NO	12.846
50	53 d5-N-ETFOSA	64		NO	6.732
51	54 13C2-PFHxDA	64		NO	13.461
52	55 d7-N-MeFOSE	64		NO	13.112
53	56 d9-N-EtFOSE	64		NO	10.983
54	57 13C4-PFBA	57		NO	0.000
55	58 13C5-PFHxA	58		NO	0.000
56	59 13C3-PFHxS	59		NO	0.000
57	60 13C8-PFOA	60		NO	0.000
58	61 13C9-PFNA	61		NO	0.000
59	62 13C4-PFOS	62		NO	0.000
60	63 13C6-PFDA	63		NO	0.000
61	64 13C7-PFUdA	64		NO	0.000

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:59:01 Pacific Standard Time

Printed: Friday, March 09, 2018 10:59:04 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 10:23:40

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180307M2_1	IPA	08-Mar-18	07:30:22
2	180307M2_2	ST180307M2-1 PFC CS-2 18B2813	08-Mar-18	07:41:47
3	180307M2_3	ST180307M1-2 PFC CS-1 18B2814	08-Mar-18	07:53:13
4	180307M2_4	ST180307M1-3 PFC CS0 18B2815	08-Mar-18	08:04:42
5	180307M2_5	ST180307M1-4 PFC CS1 18B2816	08-Mar-18	08:16:12
6	180307M2_6	ST180307M1-5 PFC CS2 18B2817	08-Mar-18	08:27:42
7	180307M2_7	ST180307M1-6 PFC CS3 18B2818	08-Mar-18	08:39:12
8	180307M2_8	ST180307M1-7 PFC CS4 18B2819	08-Mar-18	08:50:42
9	180307M2_9	ST180307M1-8 PFC CS5 18B2820	08-Mar-18	09:02:11
10	180307M2_10	ST180307M1-9 PFC CS6 18B2821	08-Mar-18	09:13:38
11	180307M2_11	ST180307M1-10 PFC CS7 18B2822	08-Mar-18	09:25:07
12	180307M2_12	IPA	08-Mar-18	09:36:36
13	180307M2_13	ICV180307M1-1 PFC ICV 18B2812	08-Mar-18	09:48:06
14	180307M2_14	IPA	08-Mar-18	09:59:36

Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 10:23:40

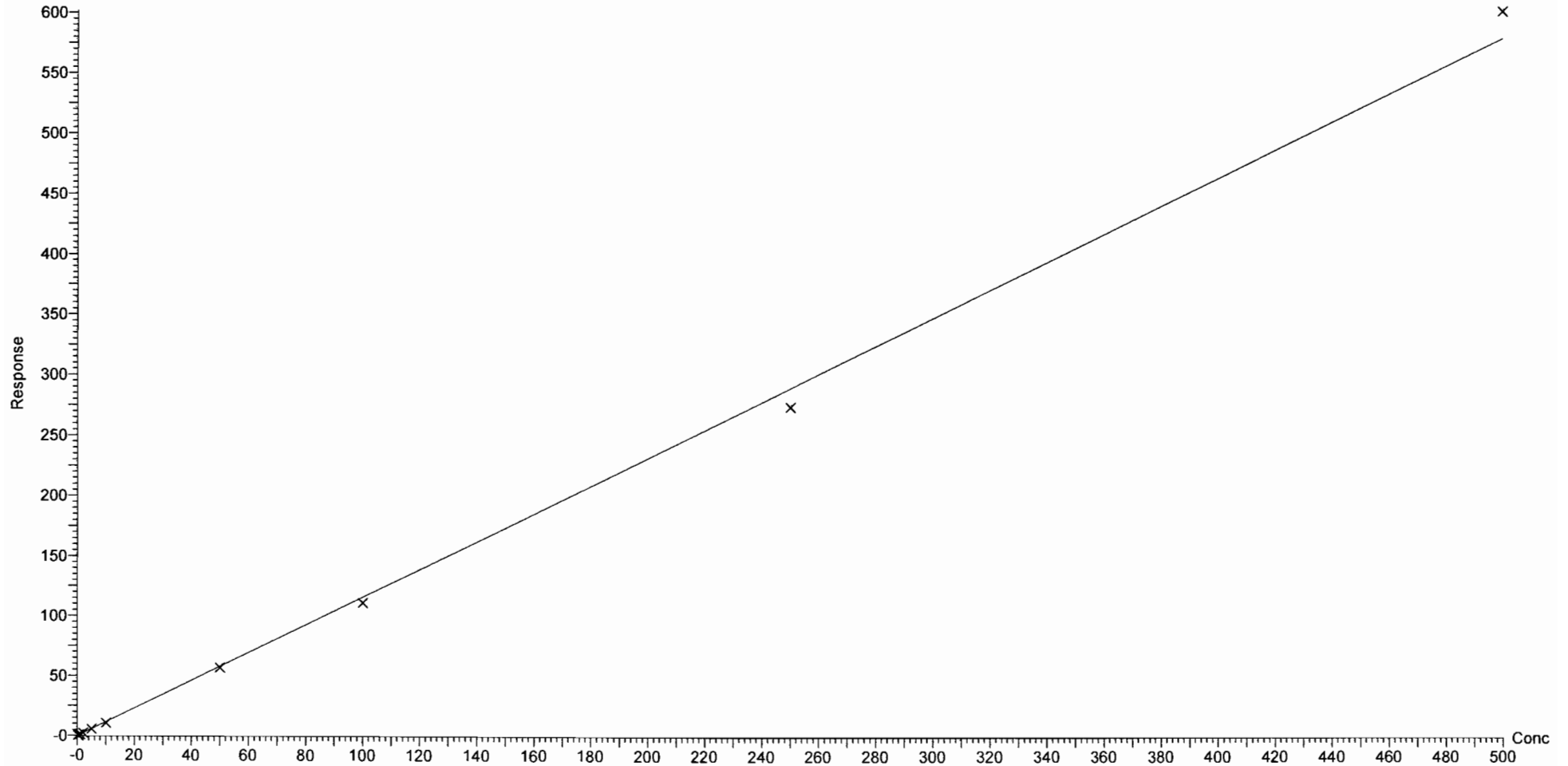
Compound name: PFBA

Correlation coefficient:  $r = 0.999050$ ,  $r^2 = 0.998102$

Calibration curve:  $1.15862 * x + -0.0583481$

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

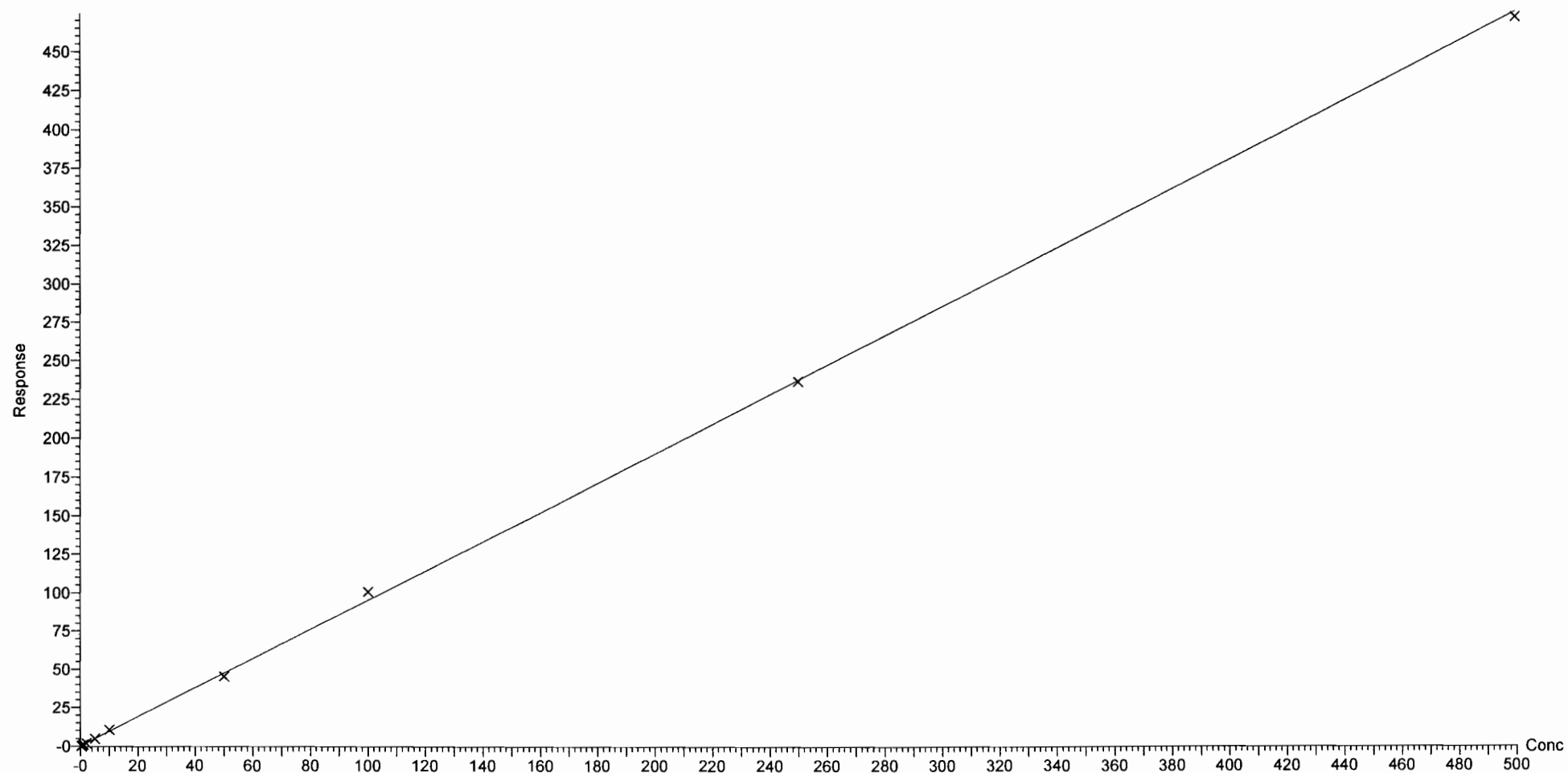
Compound name: PFPeA

Correlation coefficient:  $r = 0.999689$ ,  $r^2 = 0.999379$

Calibration curve:  $0.949226 * x + 0.00601281$

Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

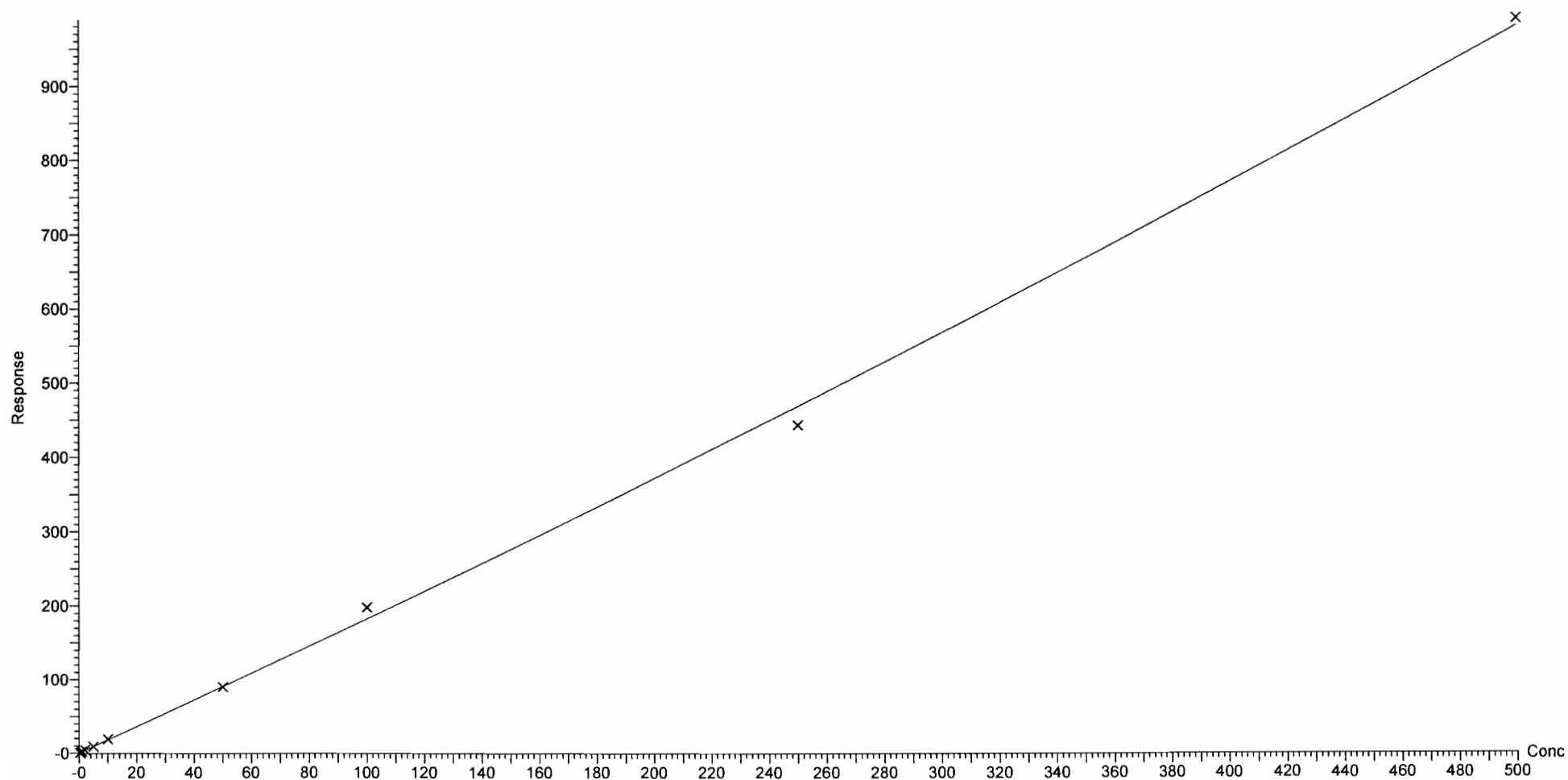
Compound name: PFBS

Coefficient of Determination:  $R^2 = 0.998340$

Calibration curve:  $0.000332361 * x^2 + 1.79088 * x + 0.0363158$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

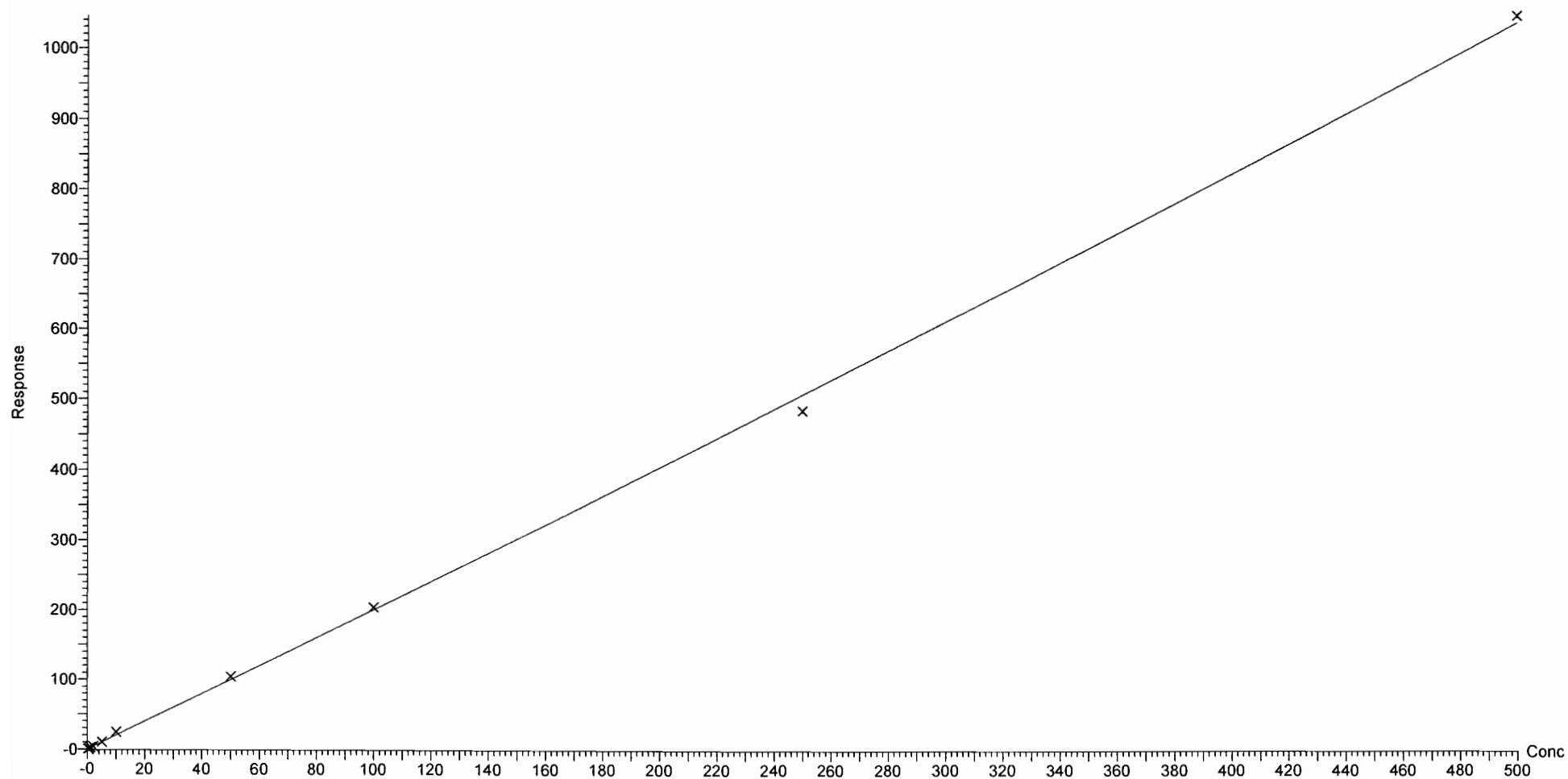
Compound name: 4:2 FTS

Coefficient of Determination:  $R^2 = 0.998654$

Calibration curve:  $0.000169778 * x^2 + 1.98606 * x + 0.254005$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

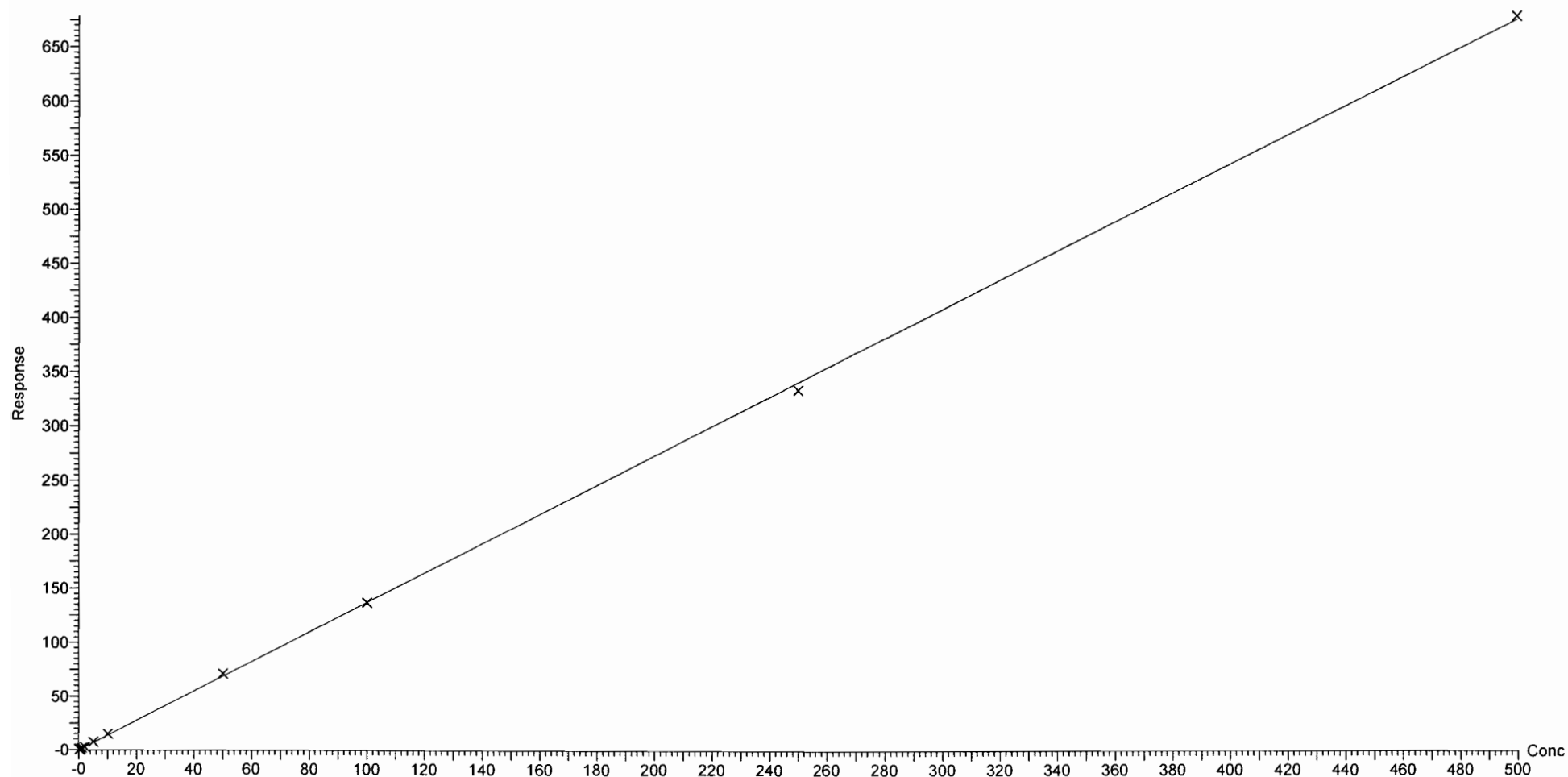
Compound name: PFHxA

Coefficient of Determination:  $R^2 = 0.999678$

Calibration curve:  $-5.371e-005 * x^2 + 1.37685 * x + 0.0265598$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

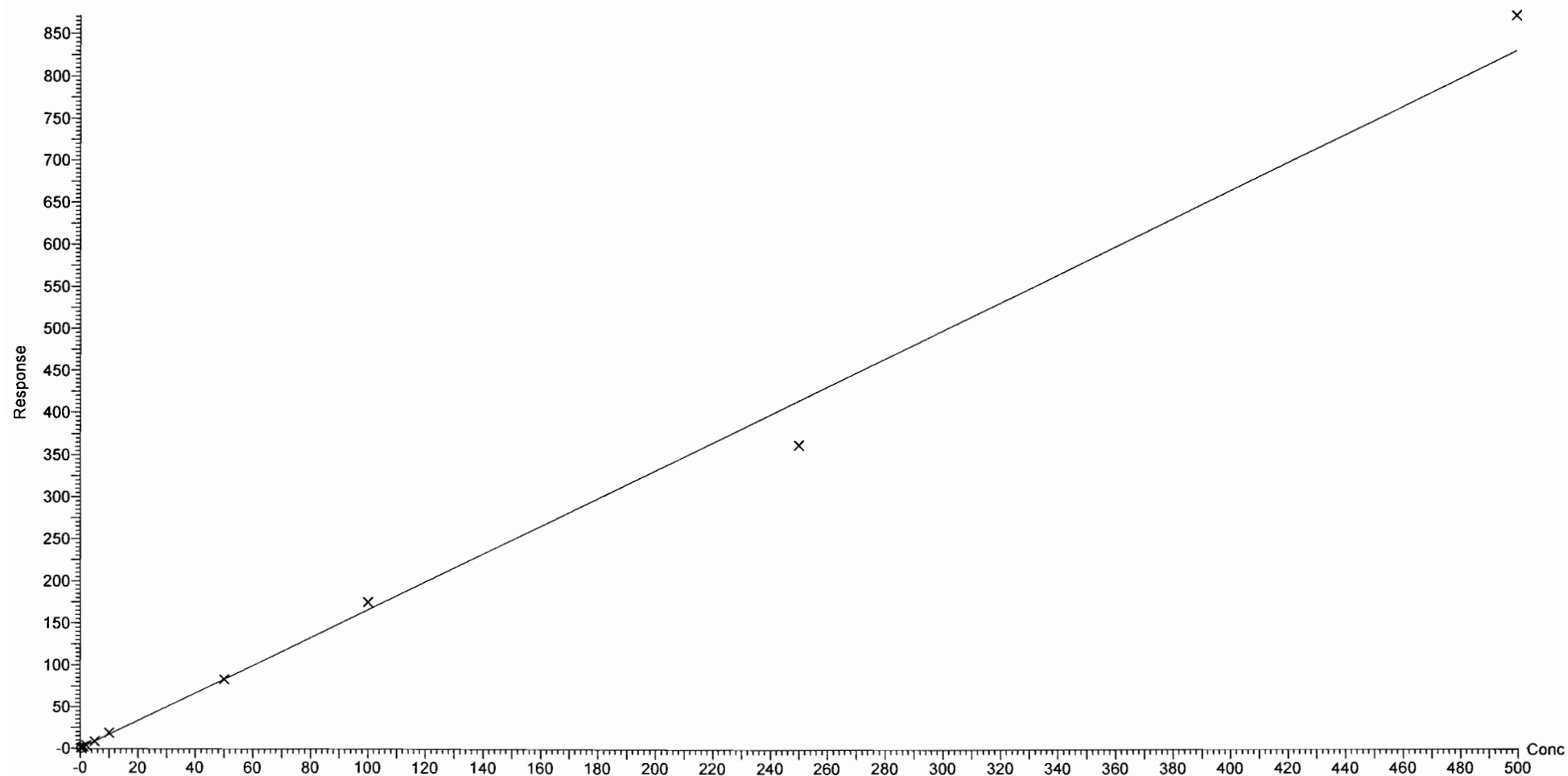
Compound name: PFPeS

Correlation coefficient:  $r = 0.996891$ ,  $r^2 = 0.993791$

Calibration curve:  $1.65905 * x + 0.220064$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

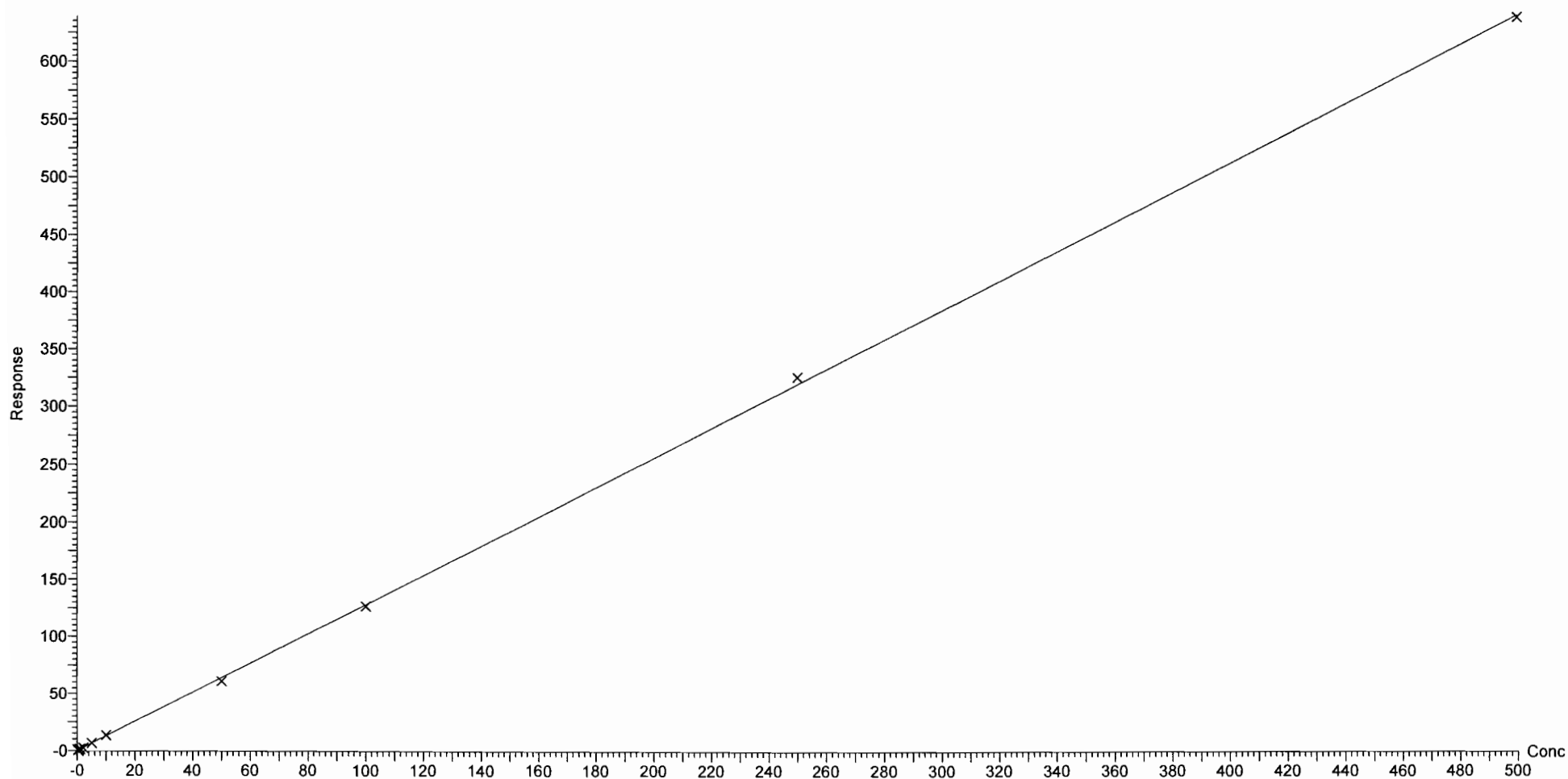
Compound name: PFHpA

Correlation coefficient:  $r = 0.999854$ ,  $r^2 = 0.999708$

Calibration curve:  $1.2779 * x + 0.00645768$

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

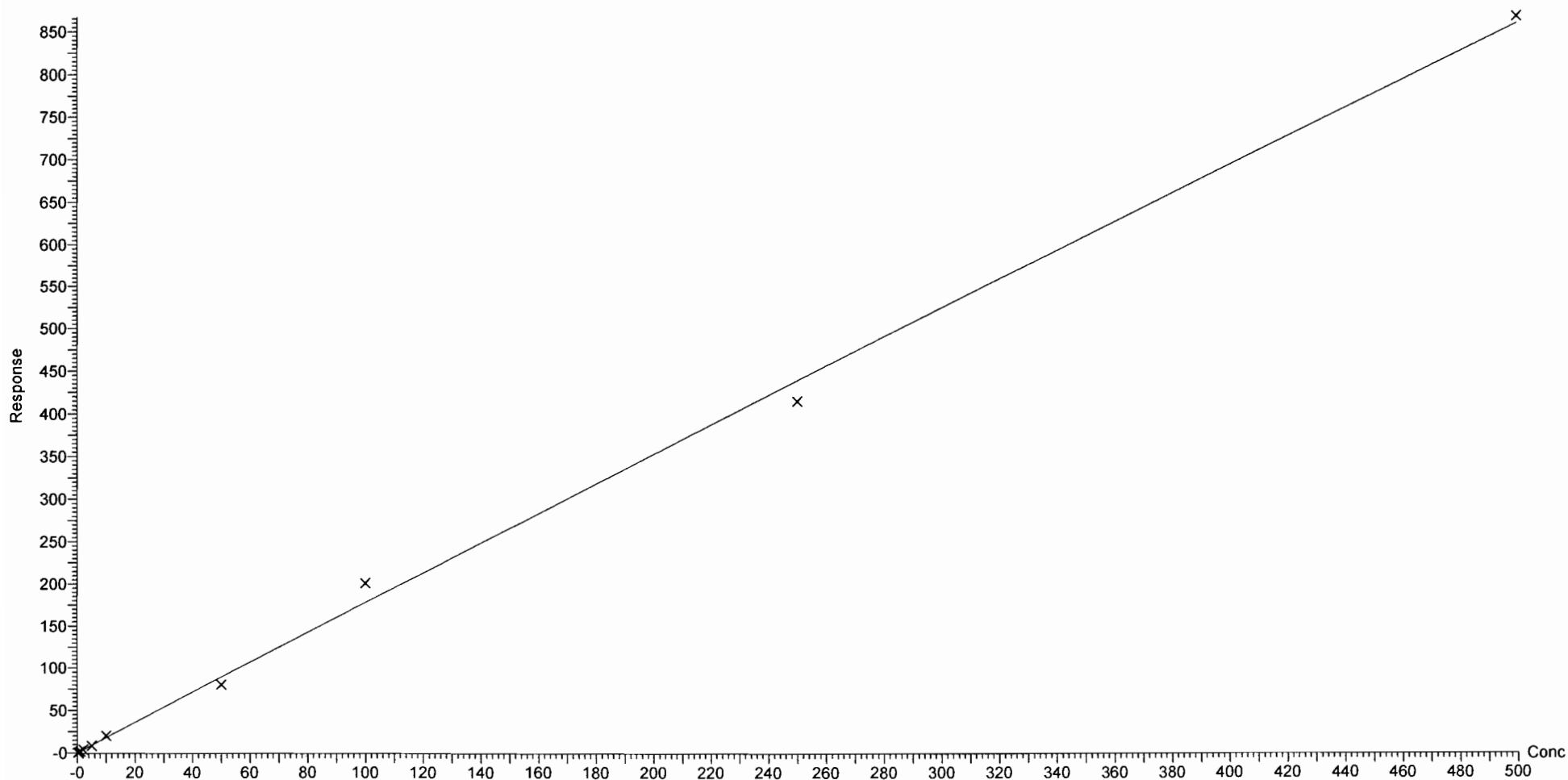
Compound name: L-PFHxS

Coefficient of Determination:  $R^2 = 0.996322$

Calibration curve:  $-0.000158898 * x^2 + 1.79614 * x + -0.018227$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

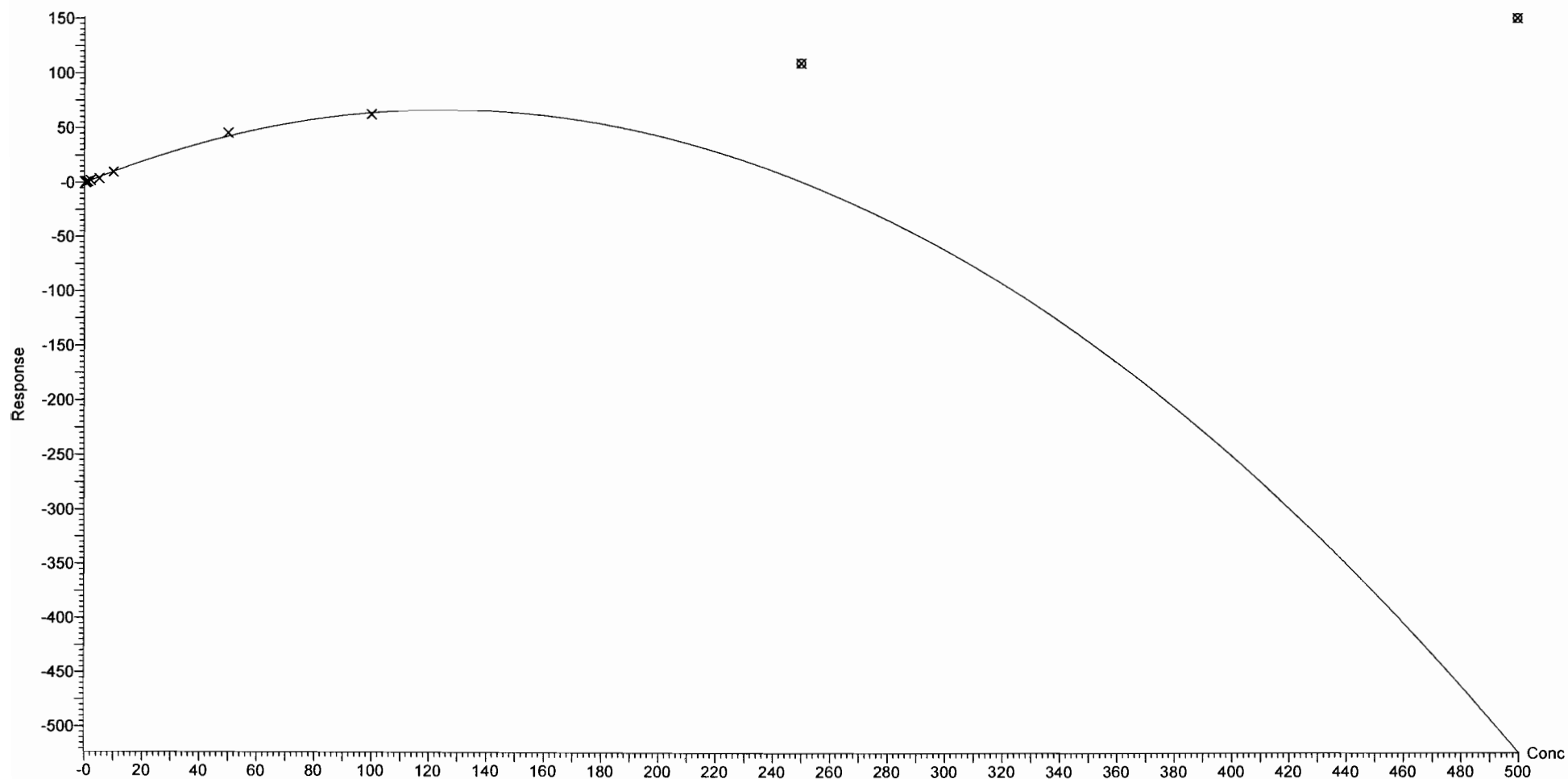
Compound name: 6:2 FTS

Coefficient of Determination:  $R^2 = 0.994141$

Calibration curve:  $-0.0042186 * x^2 + 1.06359 * x + -0.0620198$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

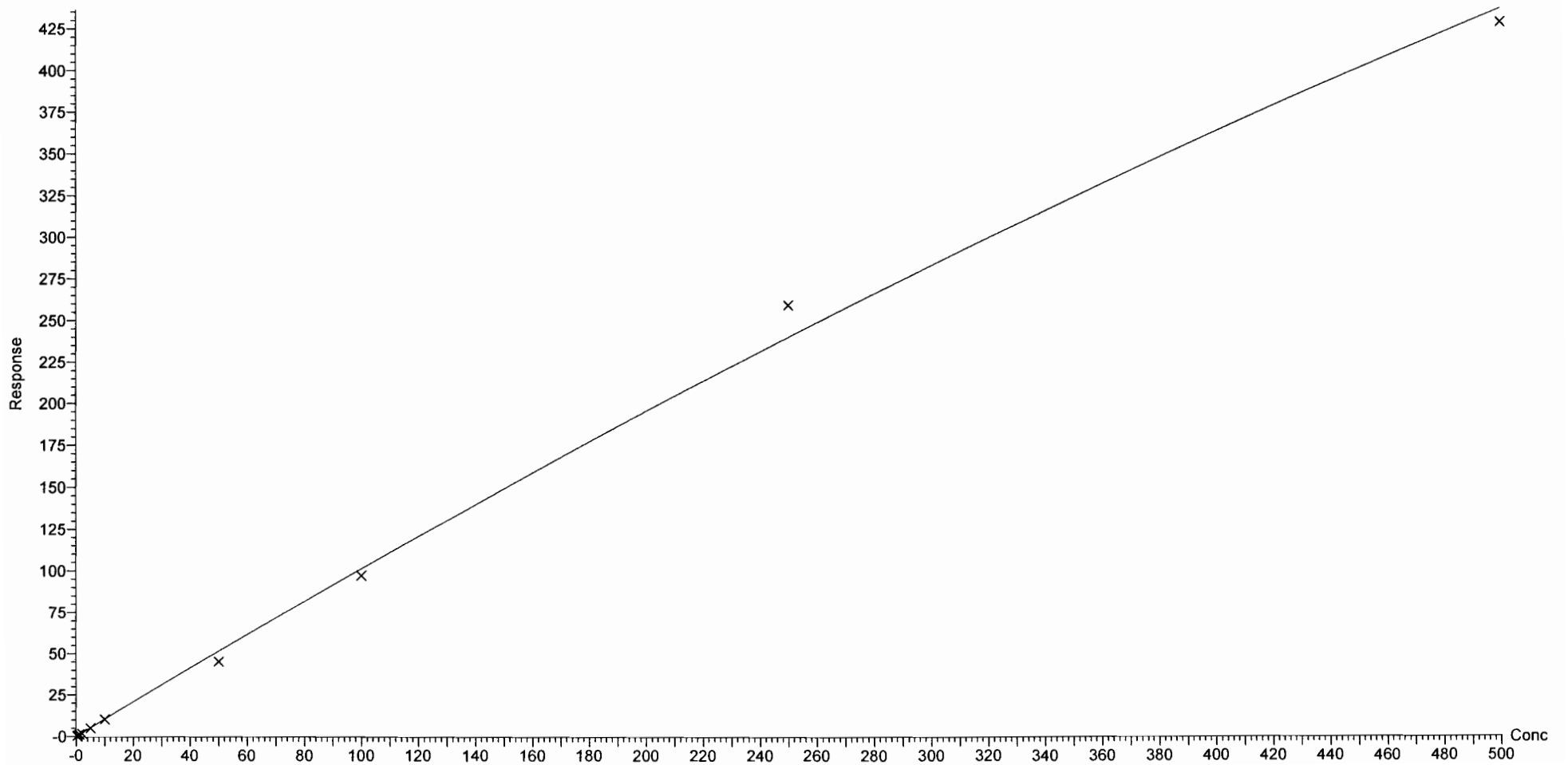
Compound name: L-PFOA

Coefficient of Determination:  $R^2 = 0.996532$

Calibration curve:  $-0.000351037 * x^2 + 1.0477 * x + 0.0245039$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

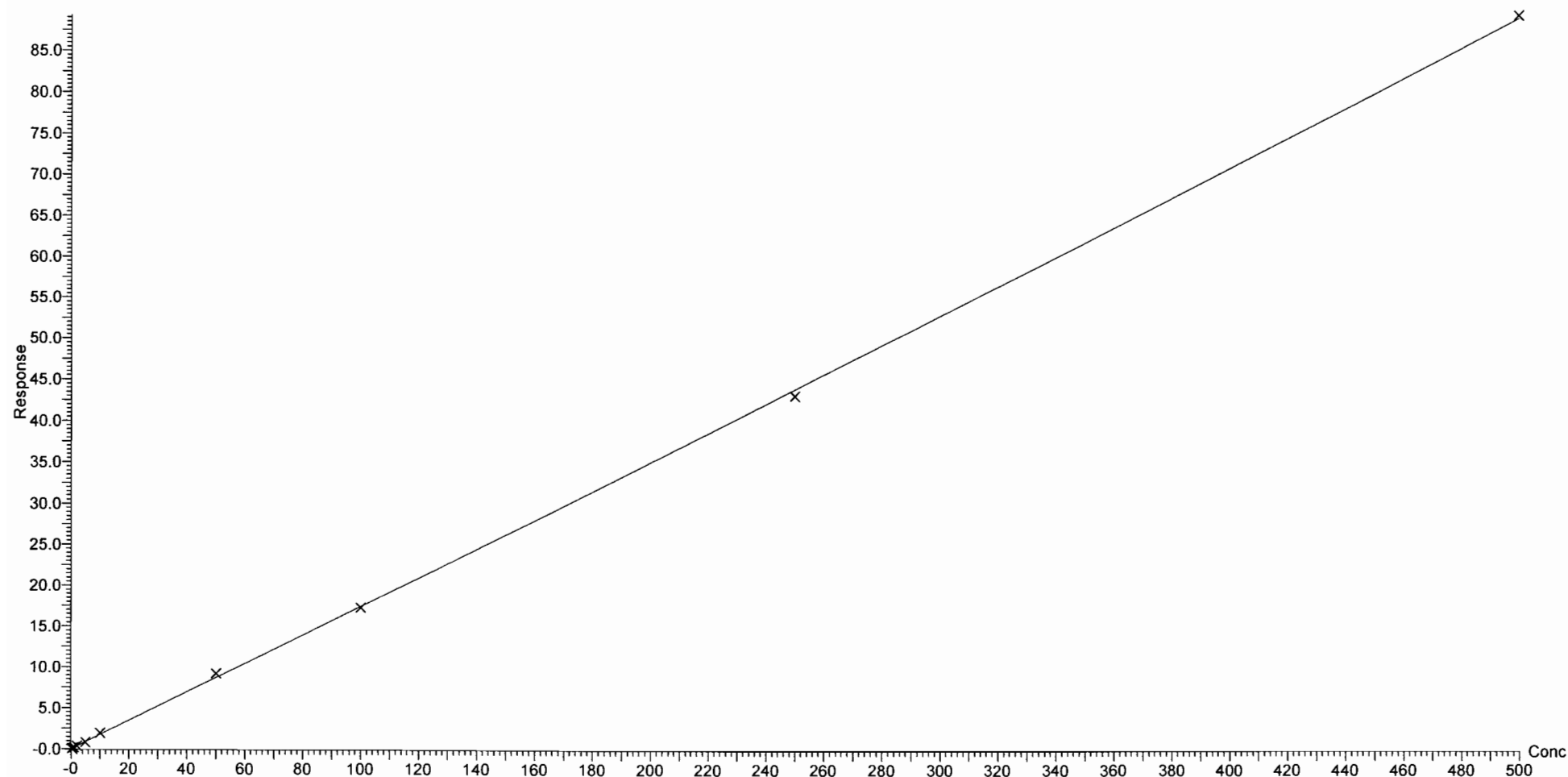
Compound name: PFHpS

Coefficient of Determination:  $R^2 = 0.999570$

Calibration curve:  $9.09295e-006 * x^2 + 0.173194 * x + 0.0304659$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

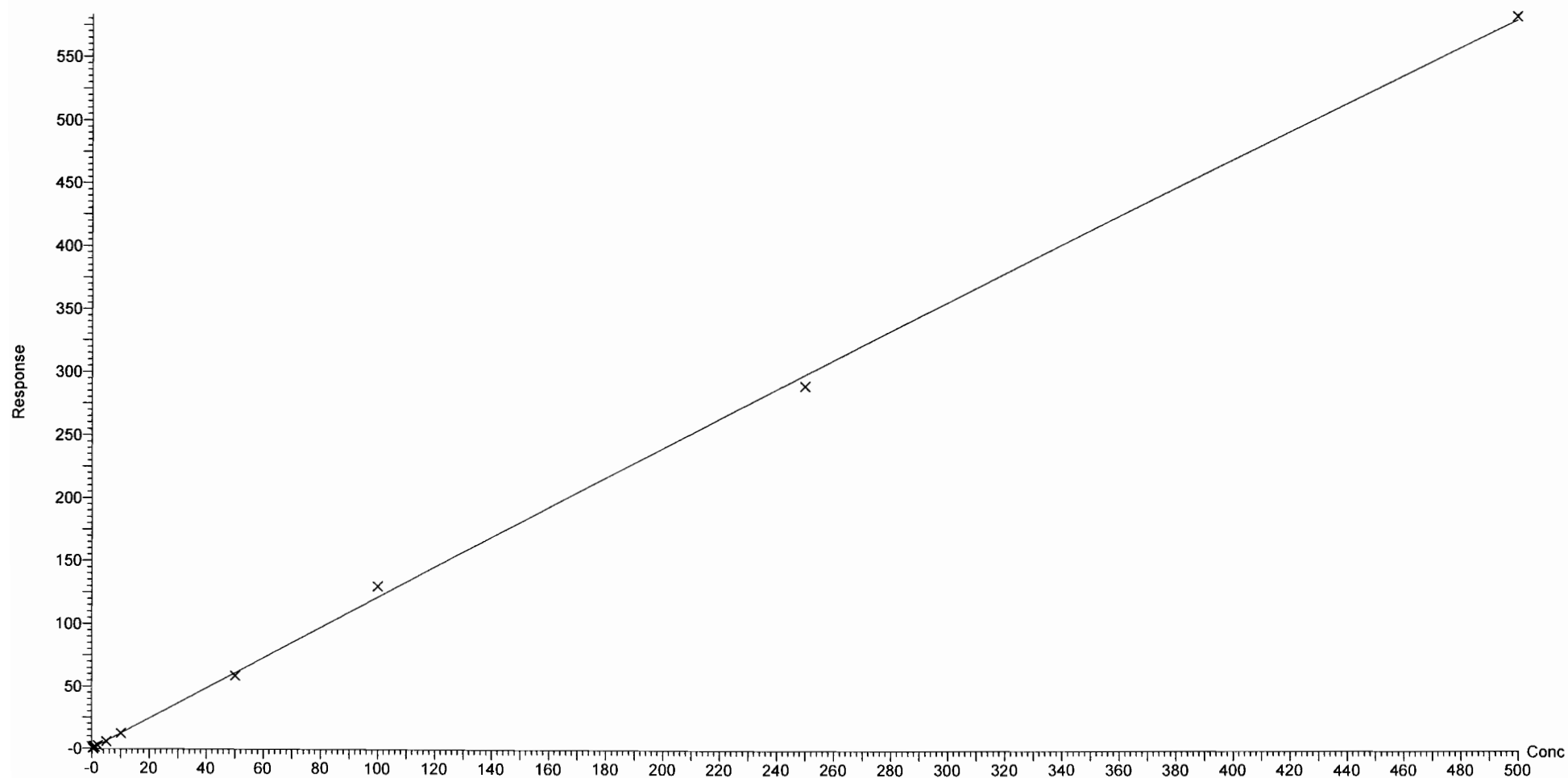
Compound name: PFNA

Coefficient of Determination:  $R^2 = 0.998996$

Calibration curve:  $-0.000139312 * x^2 + 1.22999 * x + -0.0892813$

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

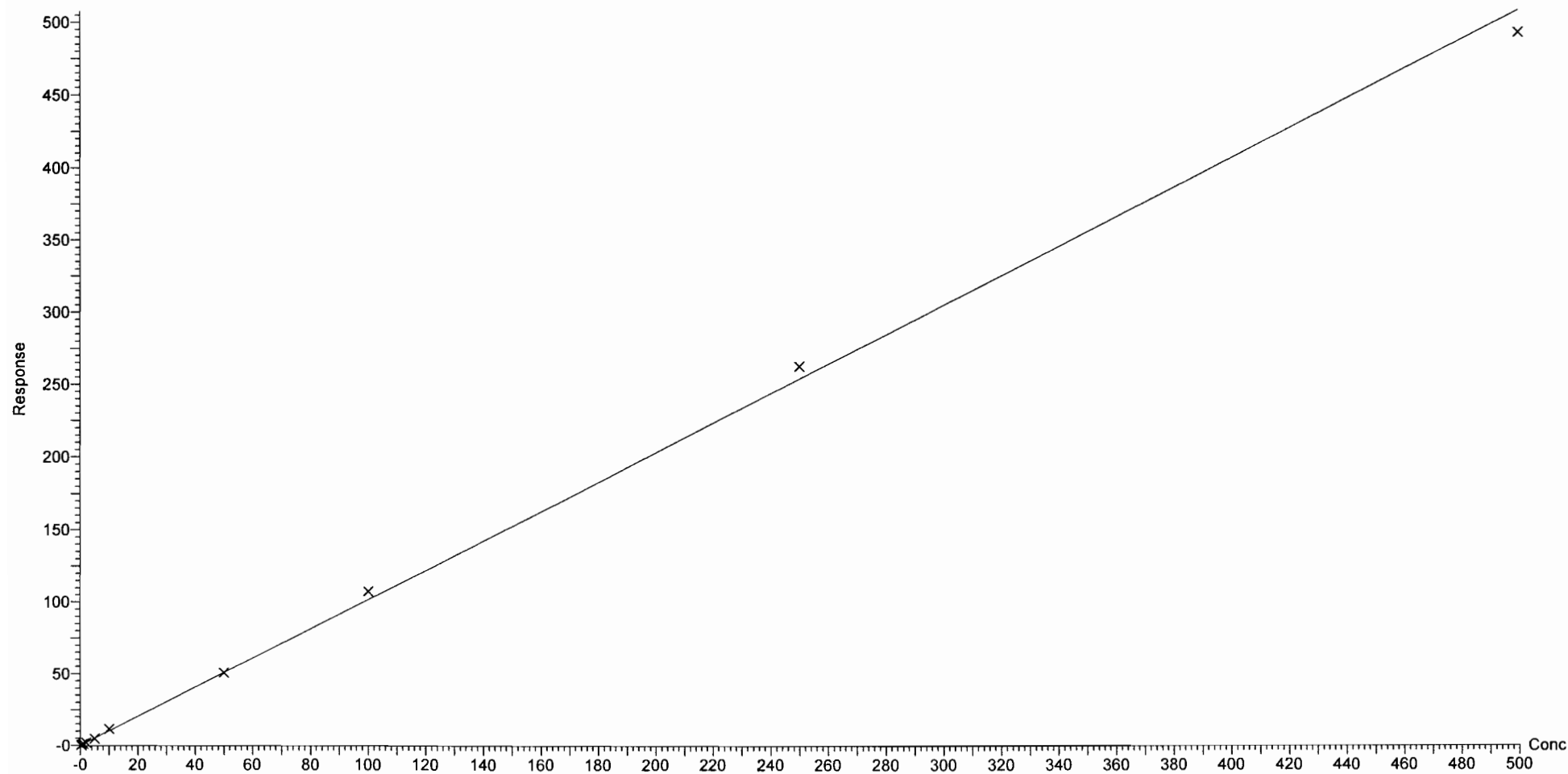
Compound name: PFOSA

Correlation coefficient:  $r = 0.999261$ ,  $r^2 = 0.998522$

Calibration curve:  $1.01507 * x + 0.0132123$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

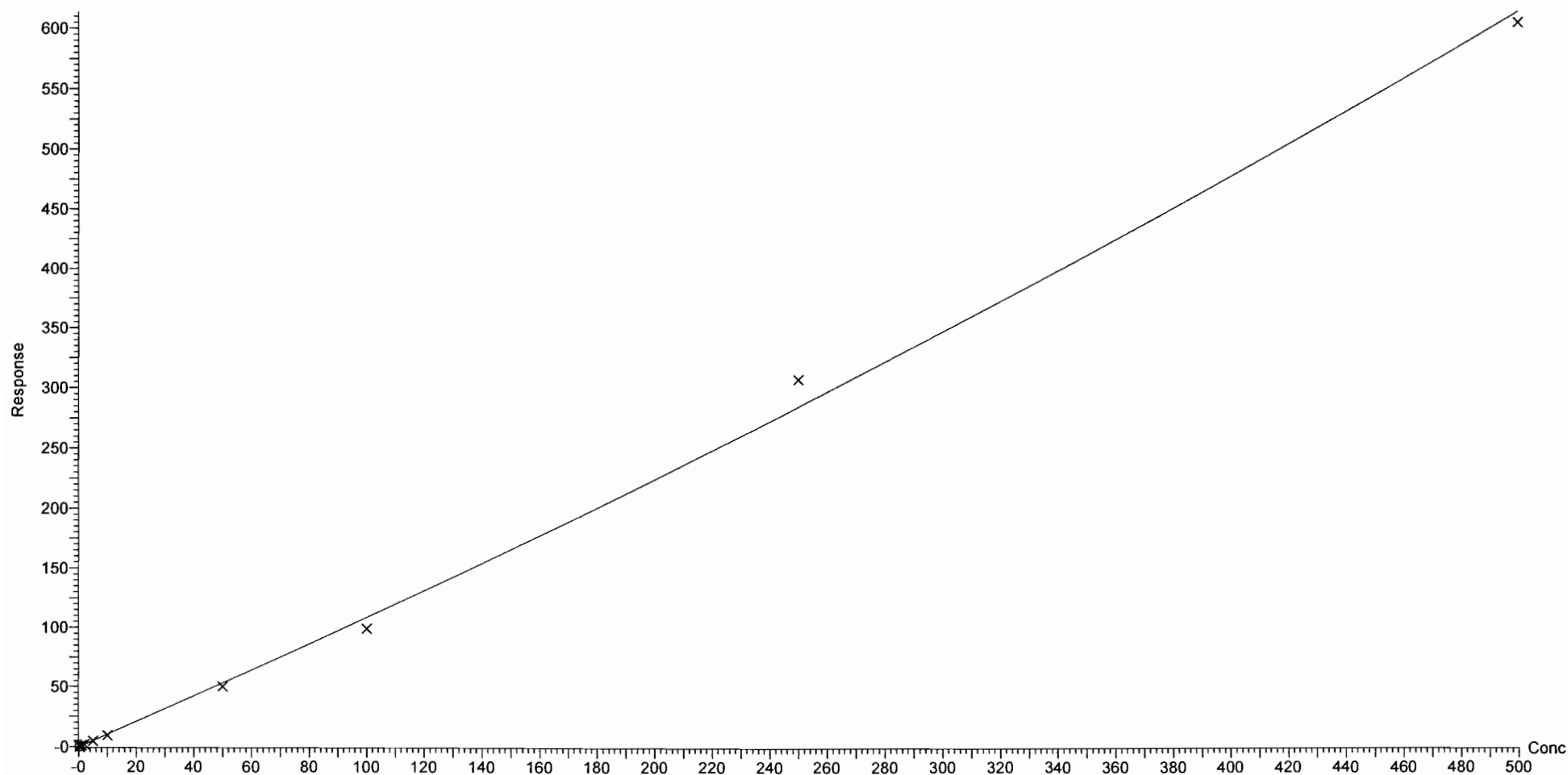
Compound name: L-PFOS

Coefficient of Determination:  $R^2 = 0.997227$

Calibration curve:  $0.000347971 * x^2 + 1.05328 * x + -0.185023$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

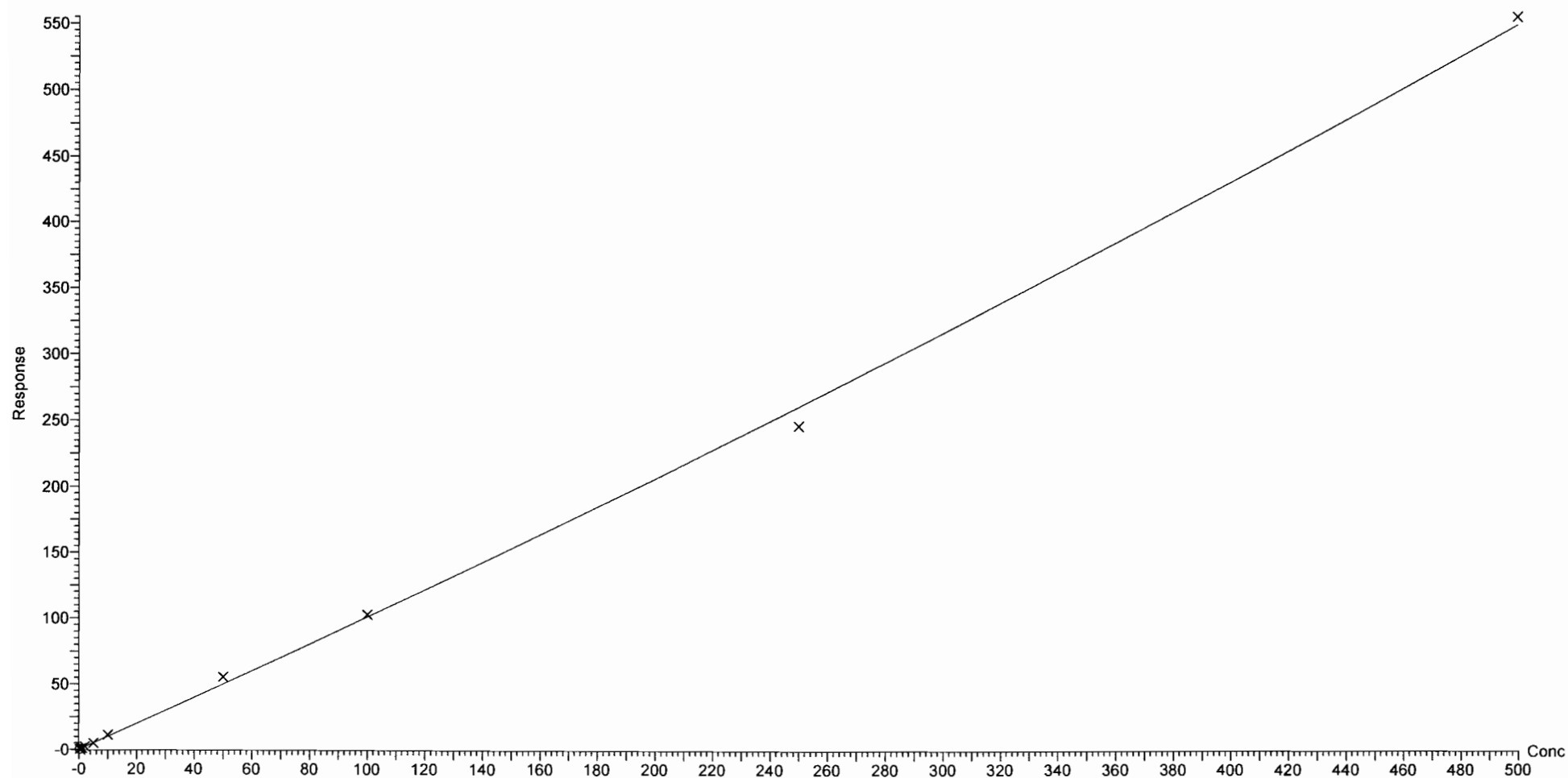
Compound name: PFDA

Coefficient of Determination:  $R^2 = 0.998366$

Calibration curve:  $0.000221127 * x^2 + 0.98689 * x + 0.25397$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

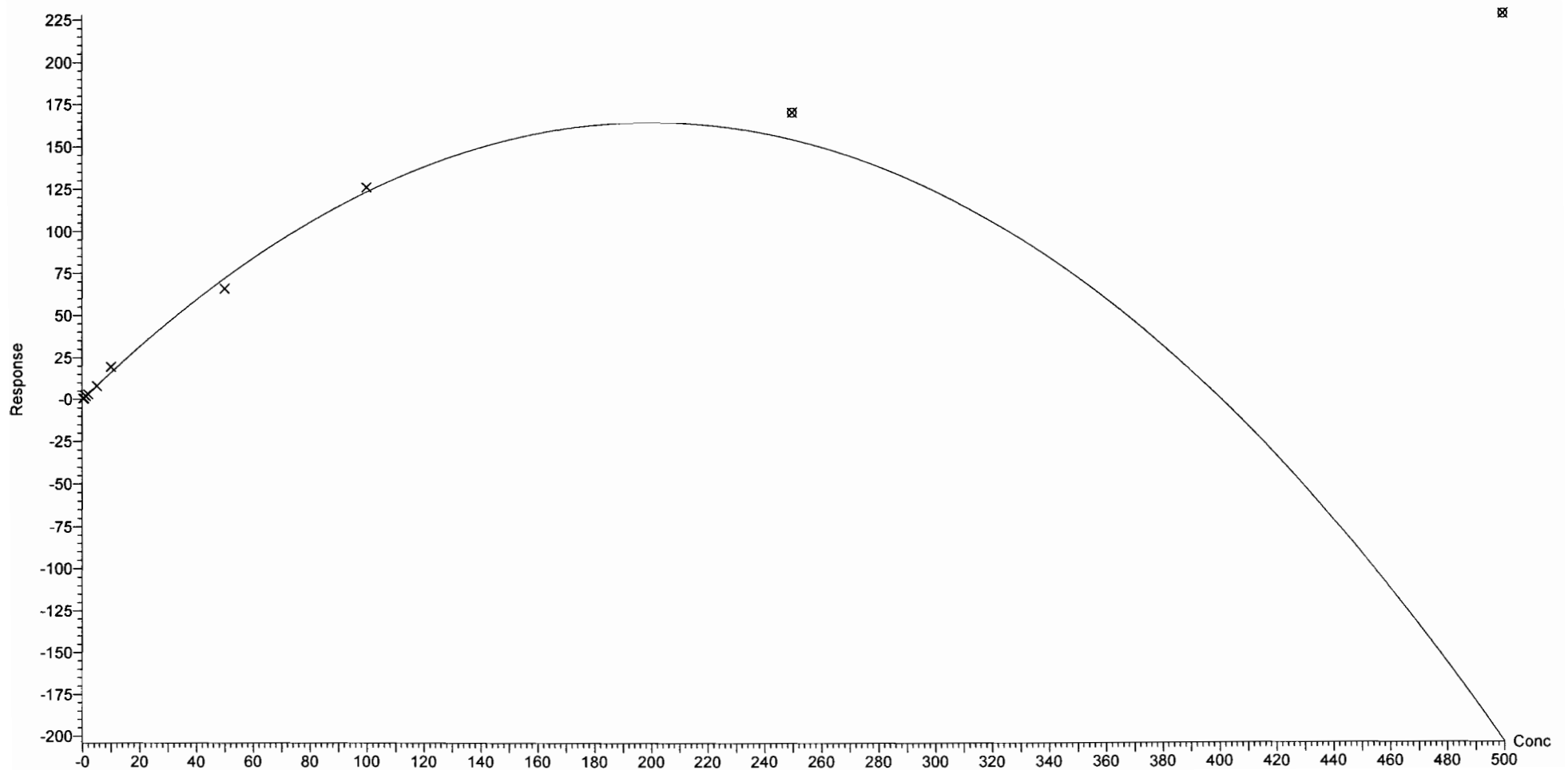
Compound name: 8:2 FTS

Coefficient of Determination:  $R^2 = 0.992591$

Calibration curve:  $-0.00409915 * x^2 + 1.64178 * x + 0.104068$

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

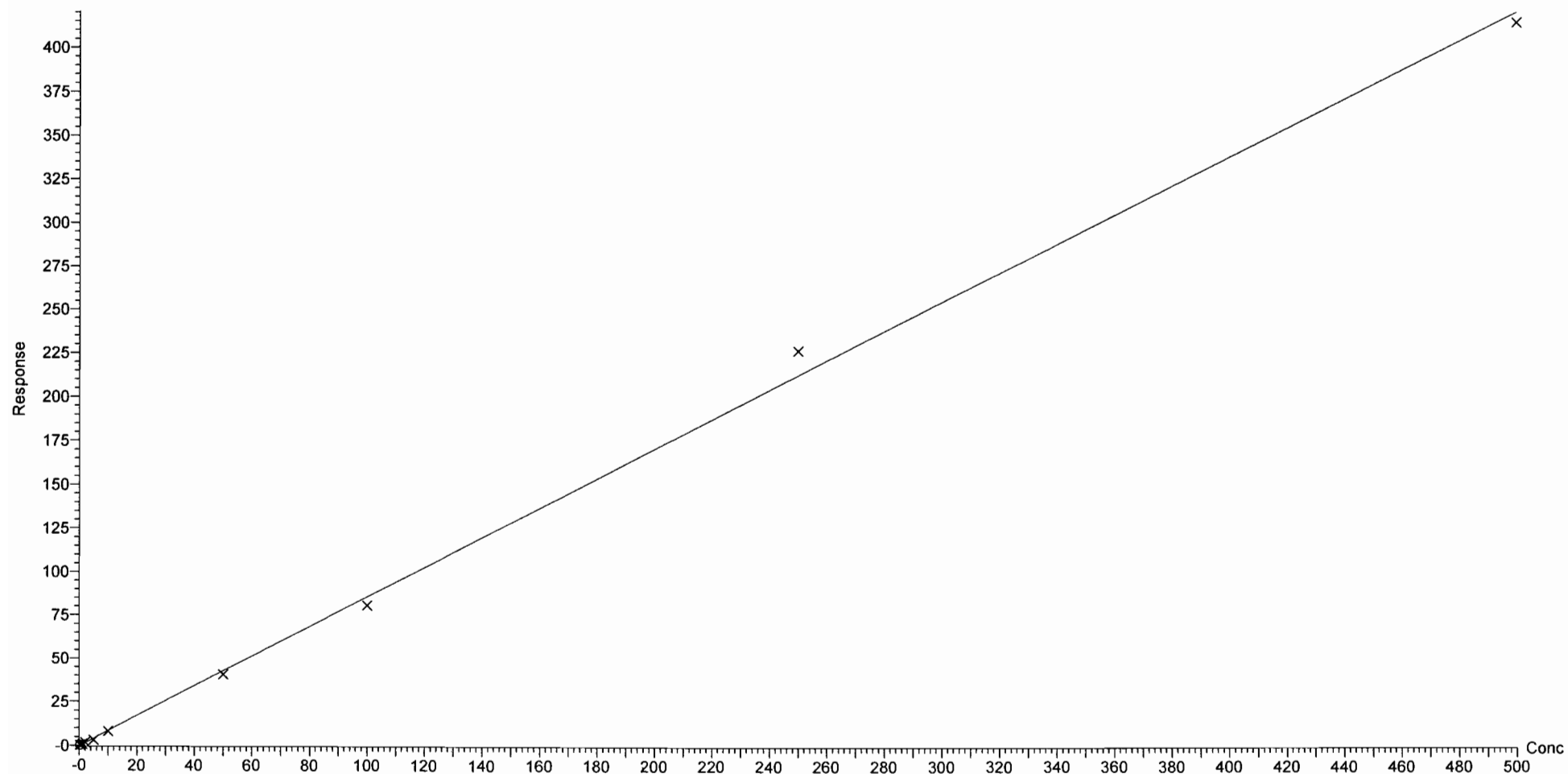
Compound name: PFNS

Coefficient of Determination:  $R^2 = 0.997663$

Calibration curve:  $-4.37361e-005 * x^2 + 0.862676 * x + -0.156905$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

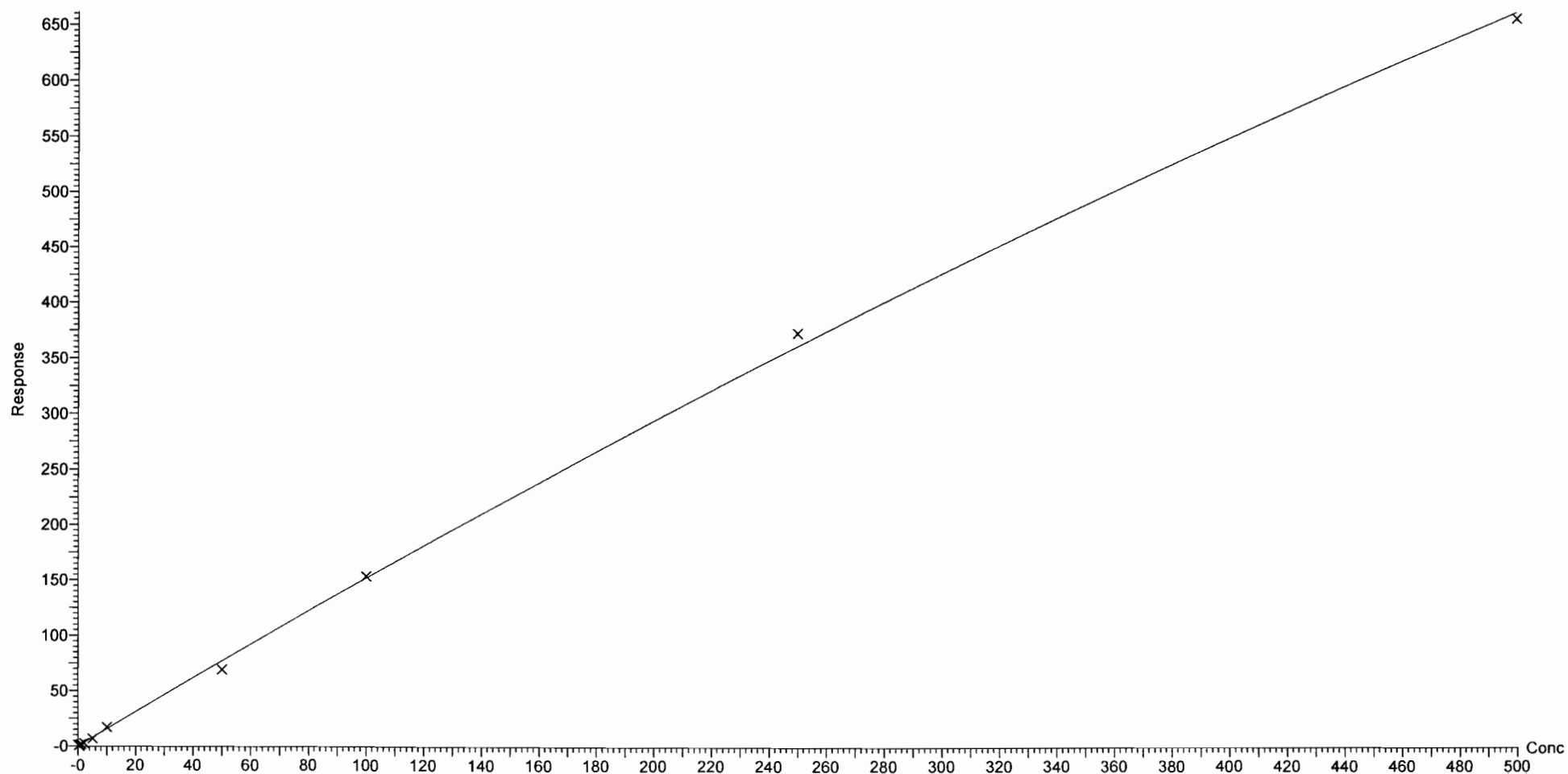
Compound name: N-MeFOSAA

Coefficient of Determination:  $R^2 = 0.998606$

Calibration curve:  $-0.000497229 * x^2 + 1.57109 * x + -0.0759326$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

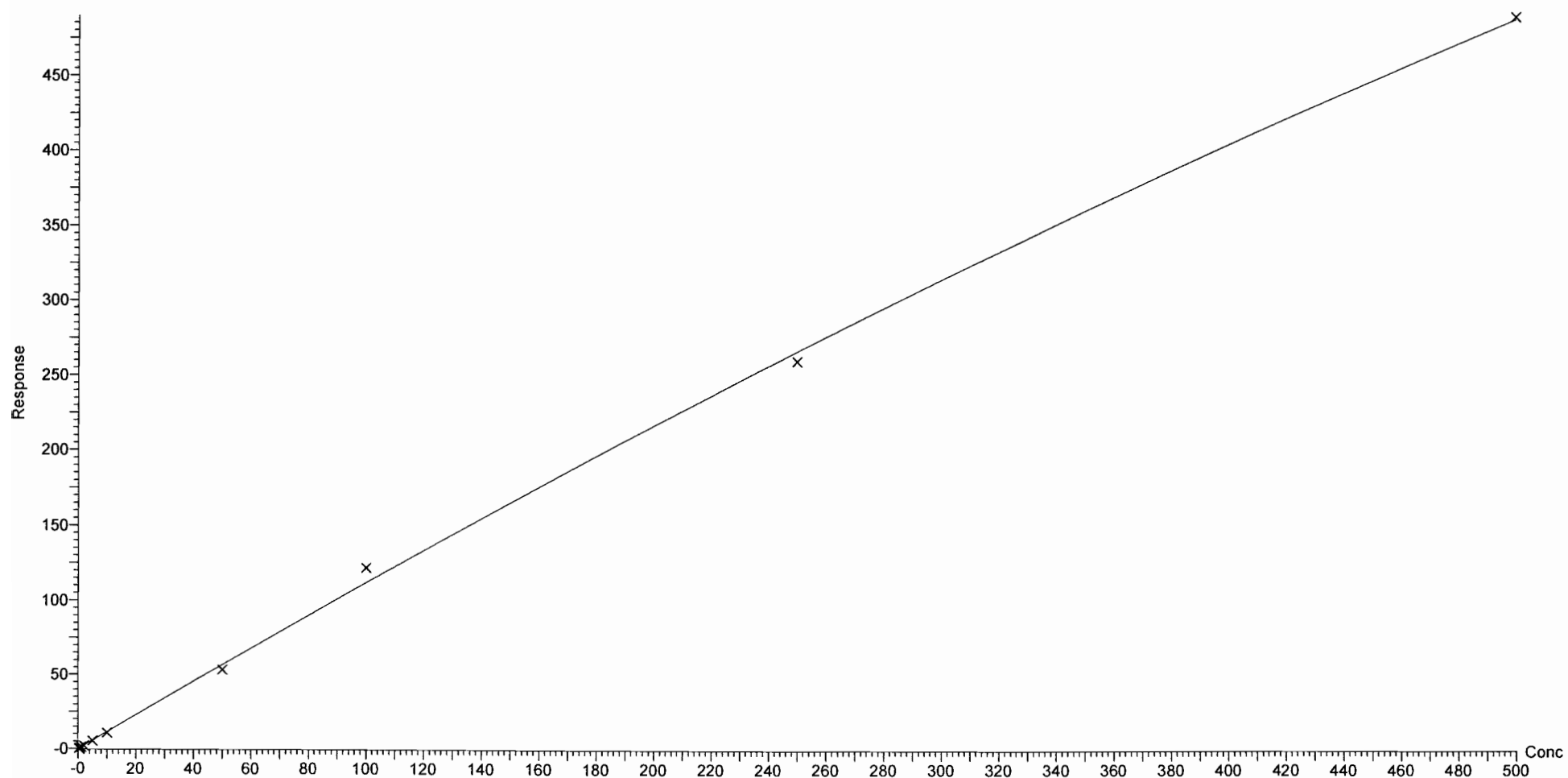
Compound name: N-EtFOSAA

Coefficient of Determination:  $R^2 = 0.998379$

Calibration curve:  $-0.000364059 * x^2 + 1.15736 * x + -0.0859832$

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

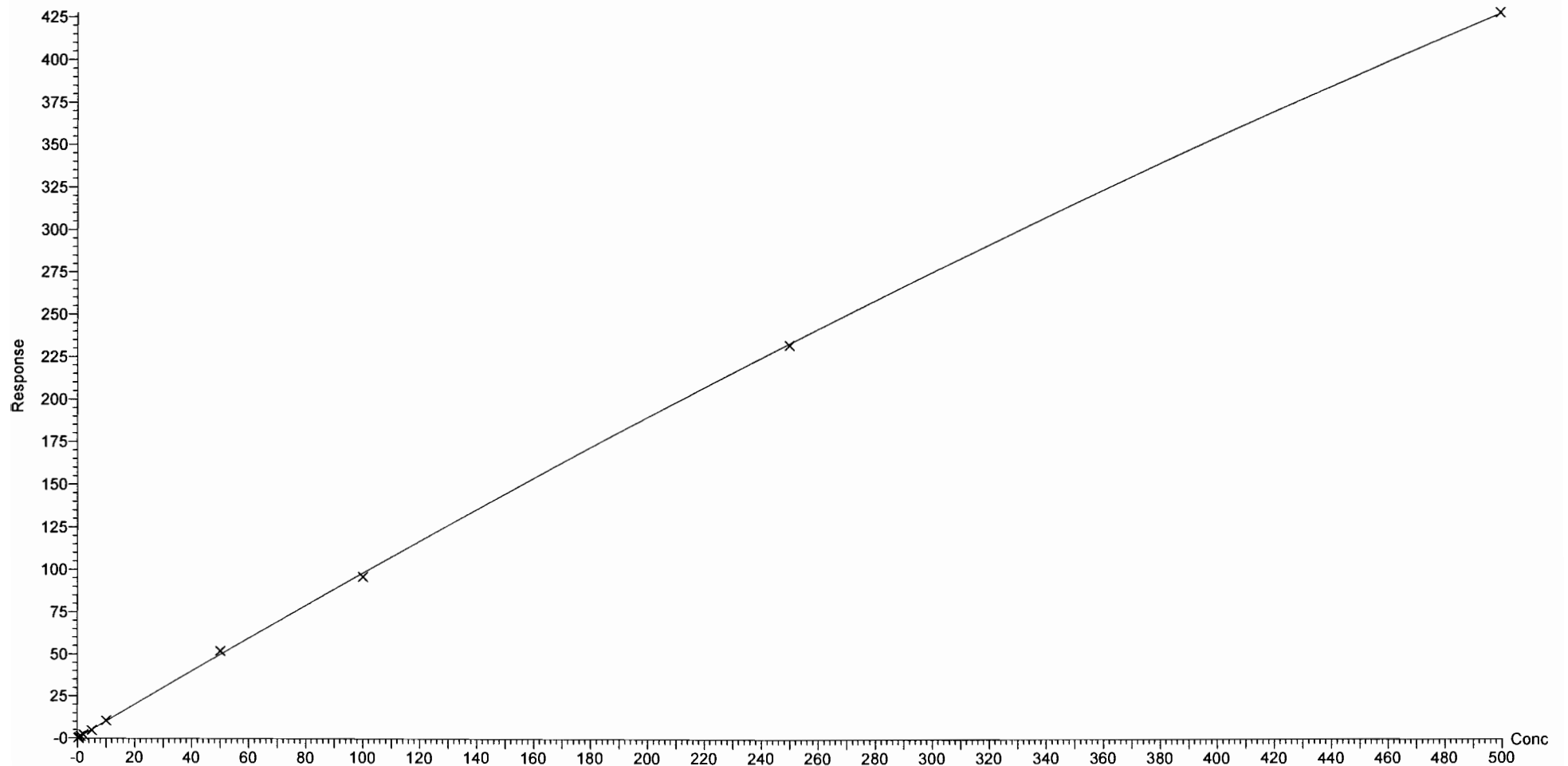
Compound name: PFUdA

Coefficient of Determination:  $R^2 = 0.999696$

Calibration curve:  $-0.000317921 * x^2 + 1.01232 * x + 0.0146191$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

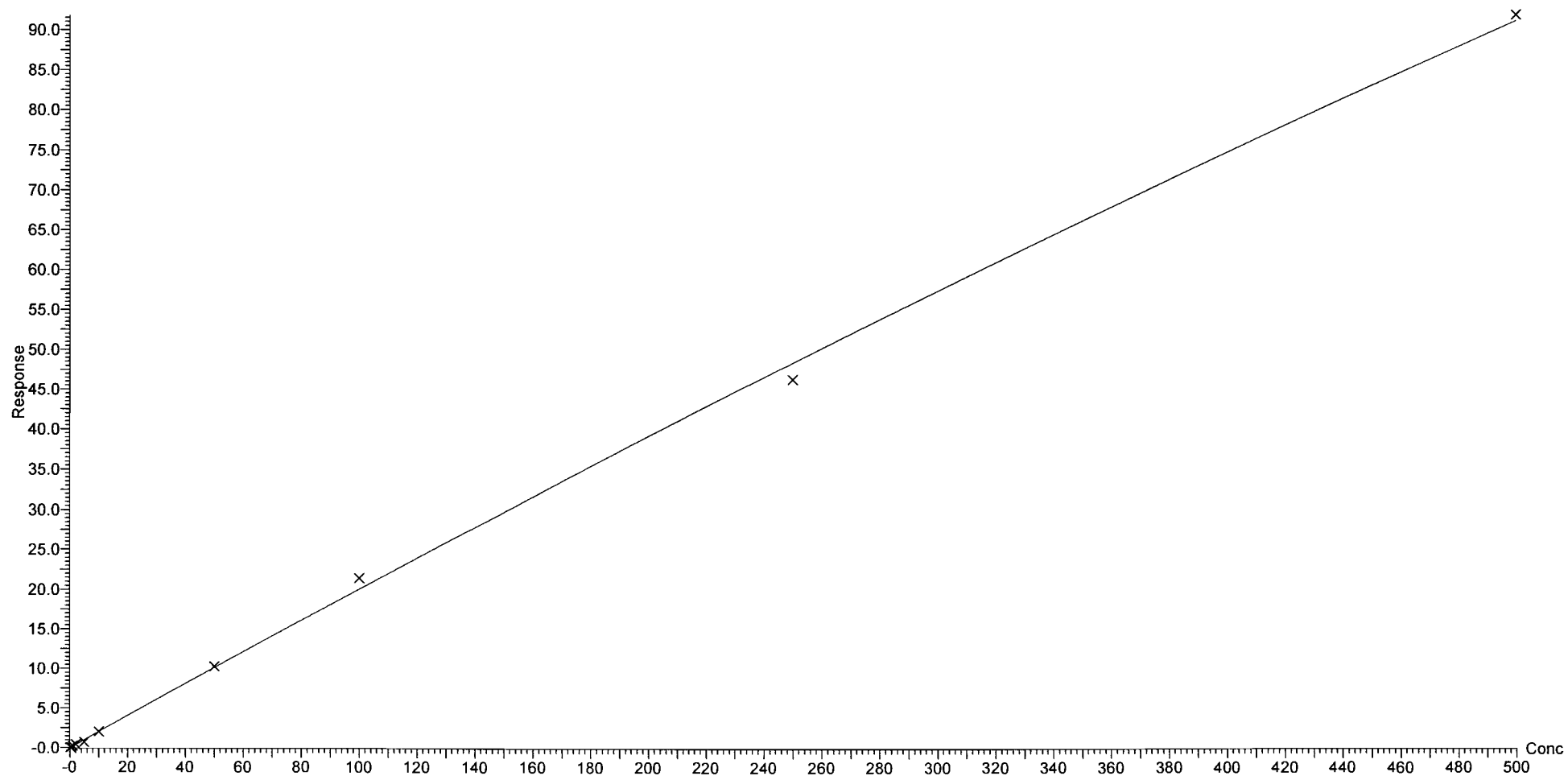
Compound name: PFDS

Coefficient of Determination:  $R^2 = 0.998226$

Calibration curve:  $-4.61728e-005 * x^2 + 0.205185 * x + -0.0166458$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

*NOT used.*

Compound name: PFDoA

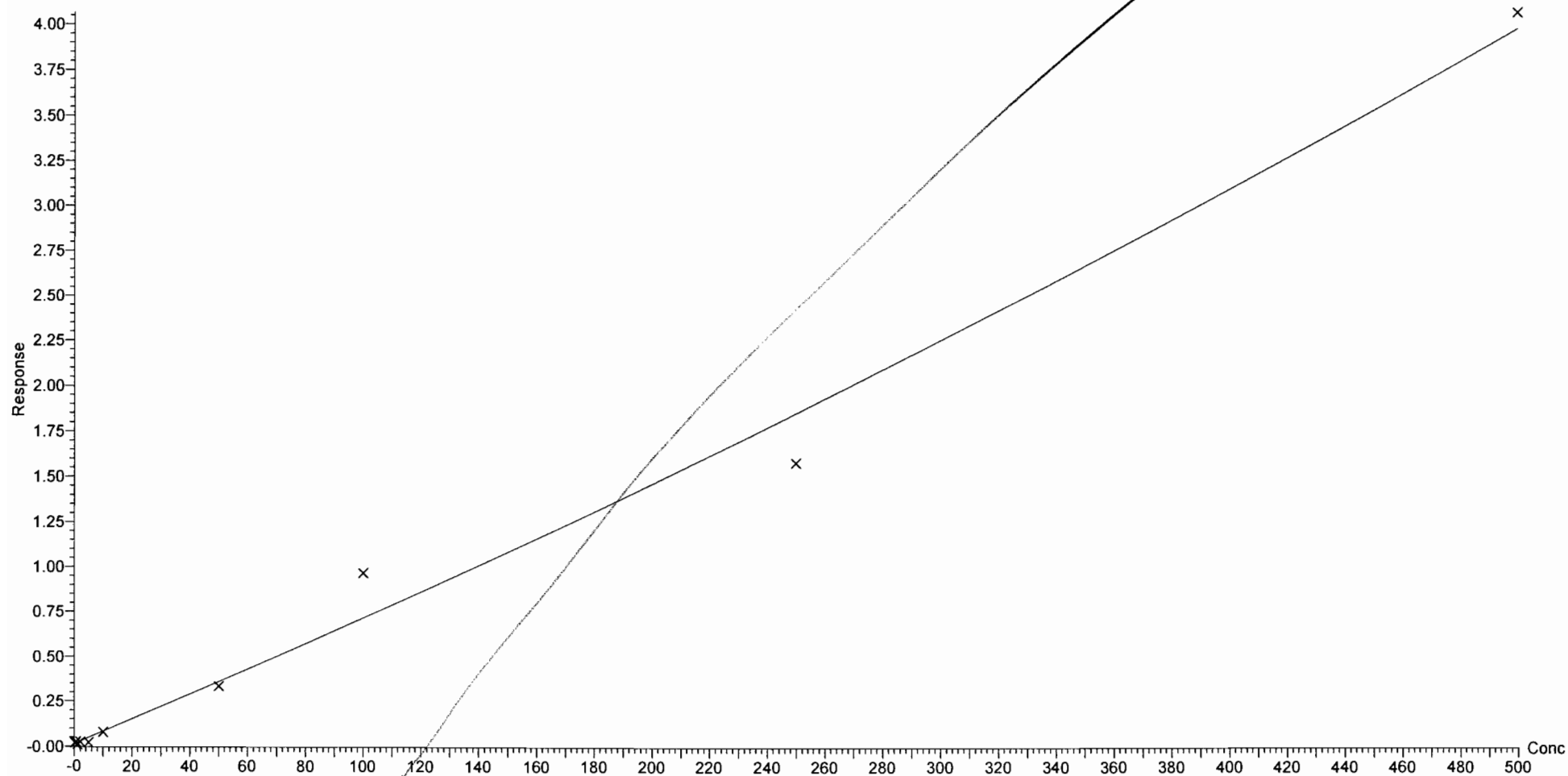
Coefficient of Determination:  $R^2 = 0.974955$

Calibration curve:  $2.29179e-006 * x^2 + 0.00677359 * x + 0.0155666$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*DM  
3/9/18*





Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

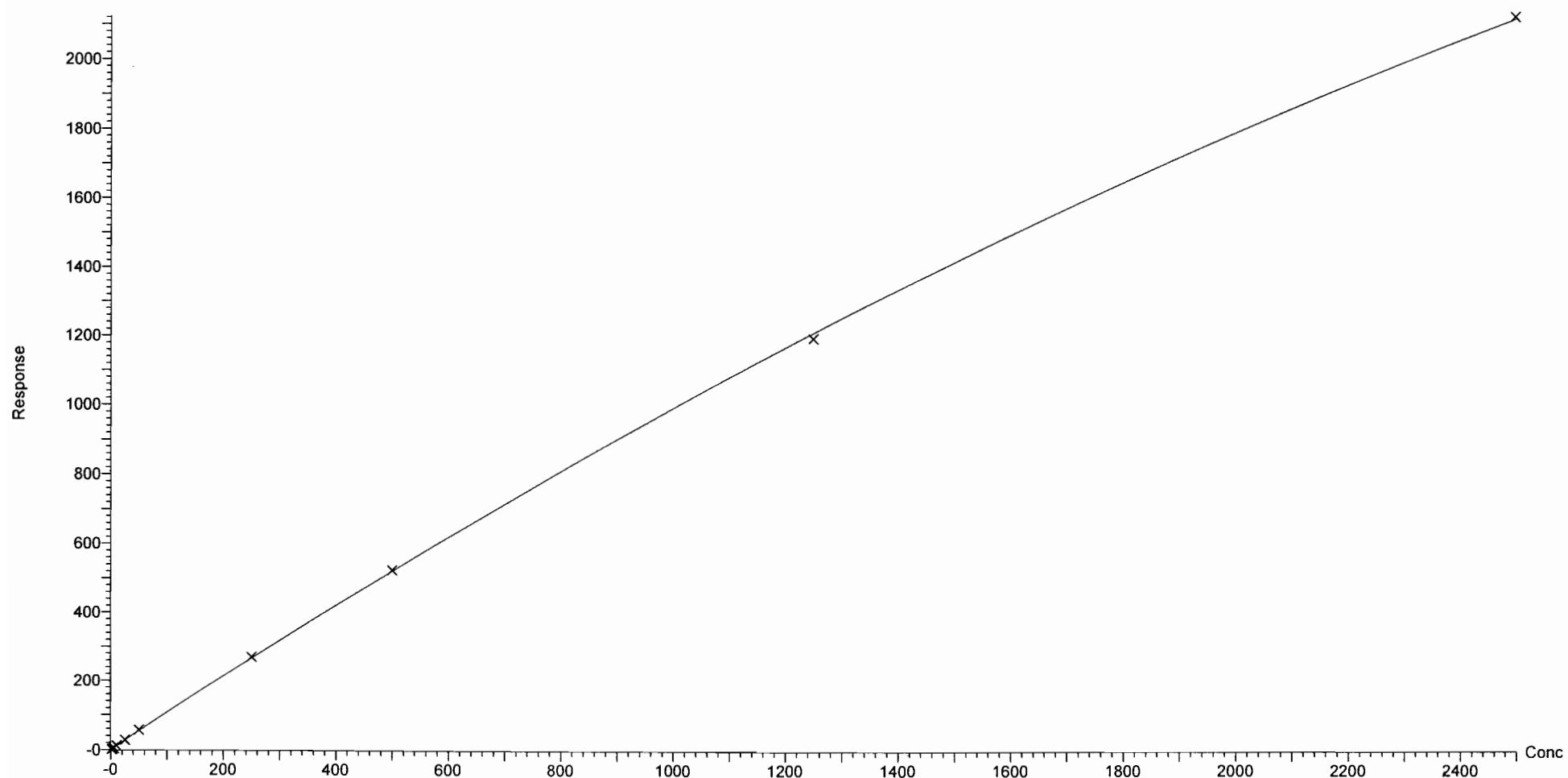
Compound name: N-MeFOSA

Coefficient of Determination:  $R^2 = 0.999872$

Calibration curve:  $-9.76393e-005 * x^2 + 1.08999 * x + 0.0814473$

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

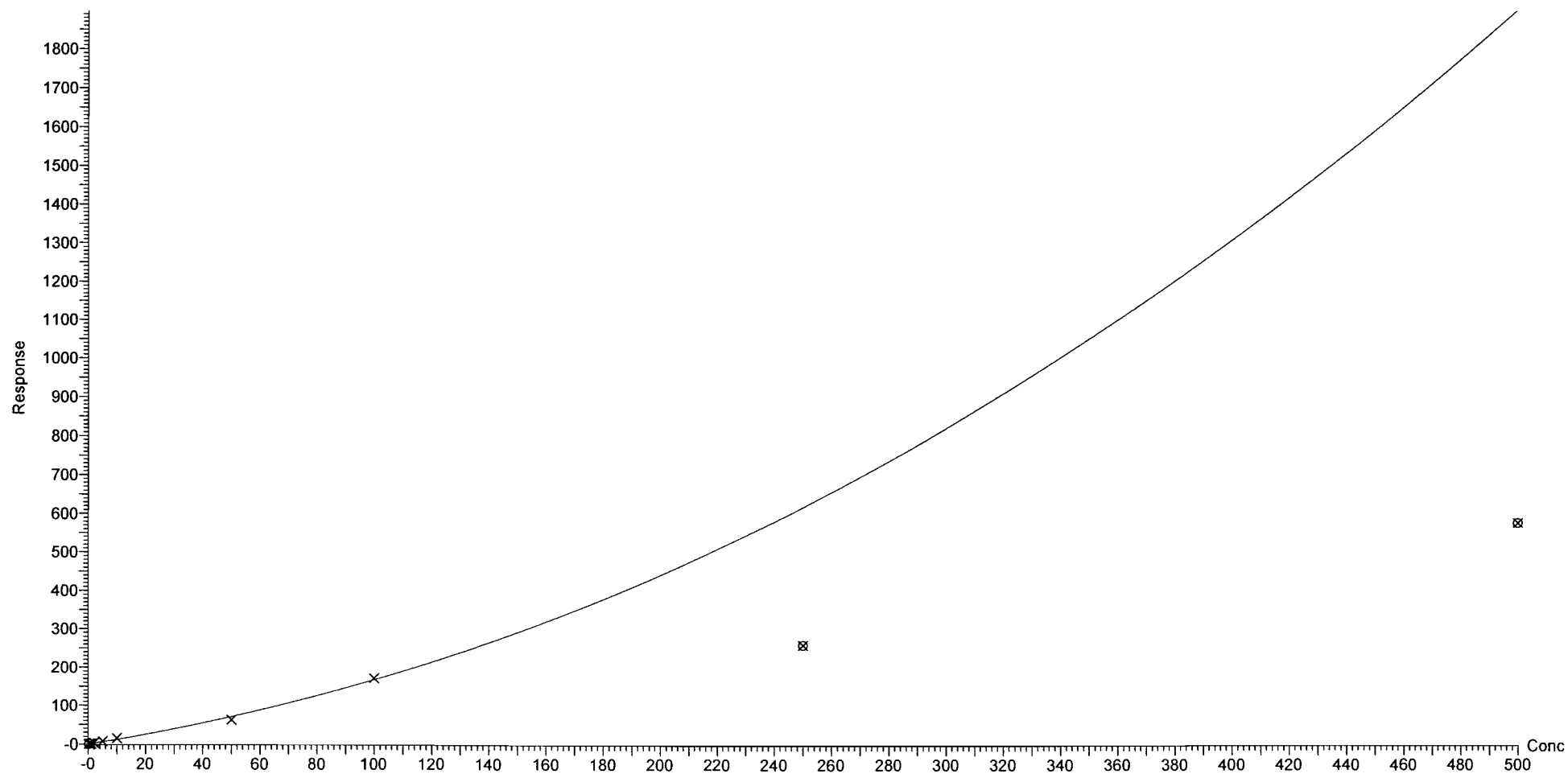
Compound name: PFTrDA

Coefficient of Determination:  $R^2 = 0.992029$

Calibration curve:  $0.00528288 * x^2 + 1.15272 * x + 0.282825$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

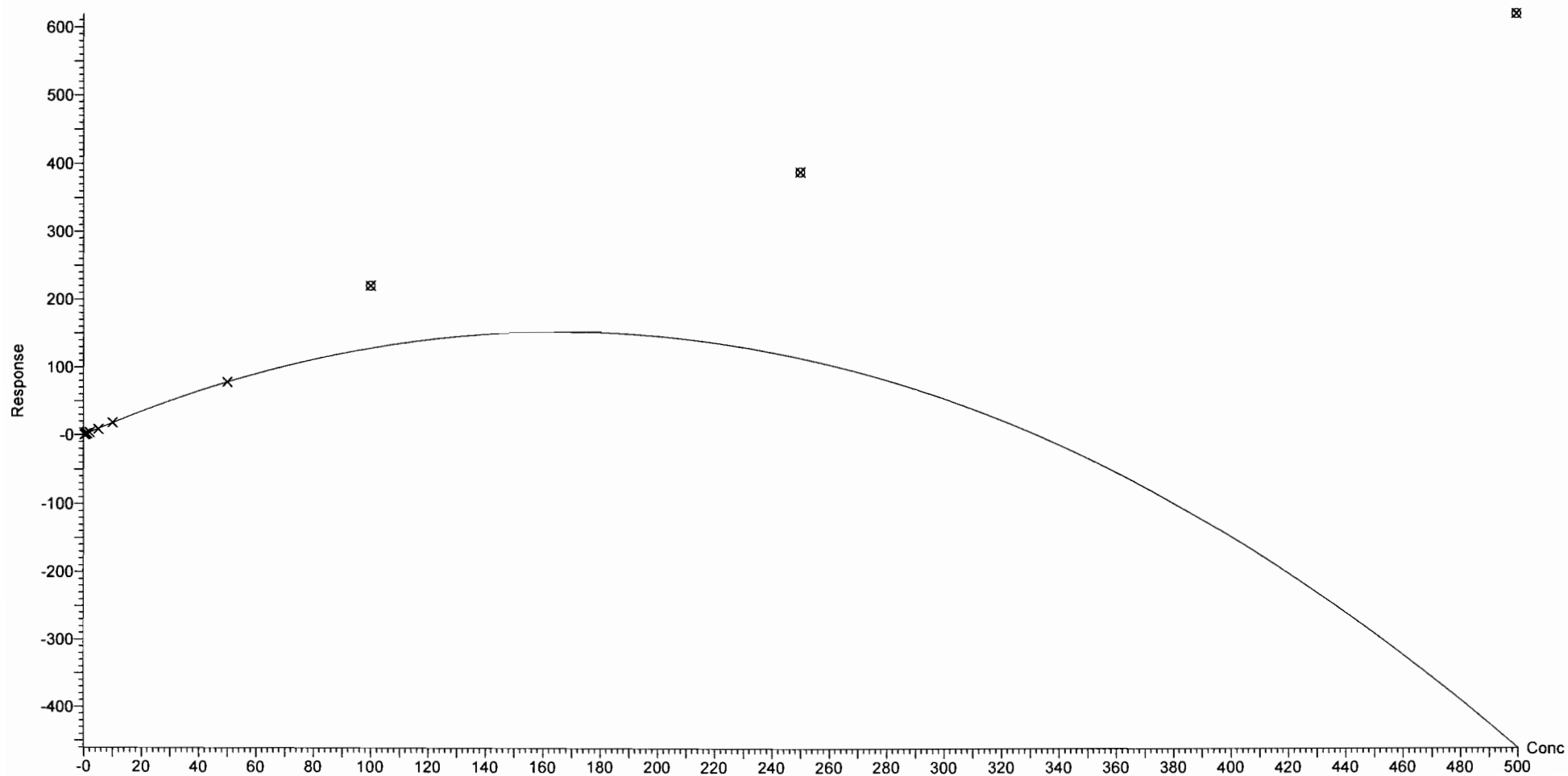
Compound name: PFTeDA

Coefficient of Determination:  $R^2 = 0.998456$

Calibration curve:  $-0.00551466 * x^2 + 1.83703 * x + 0.0895093$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

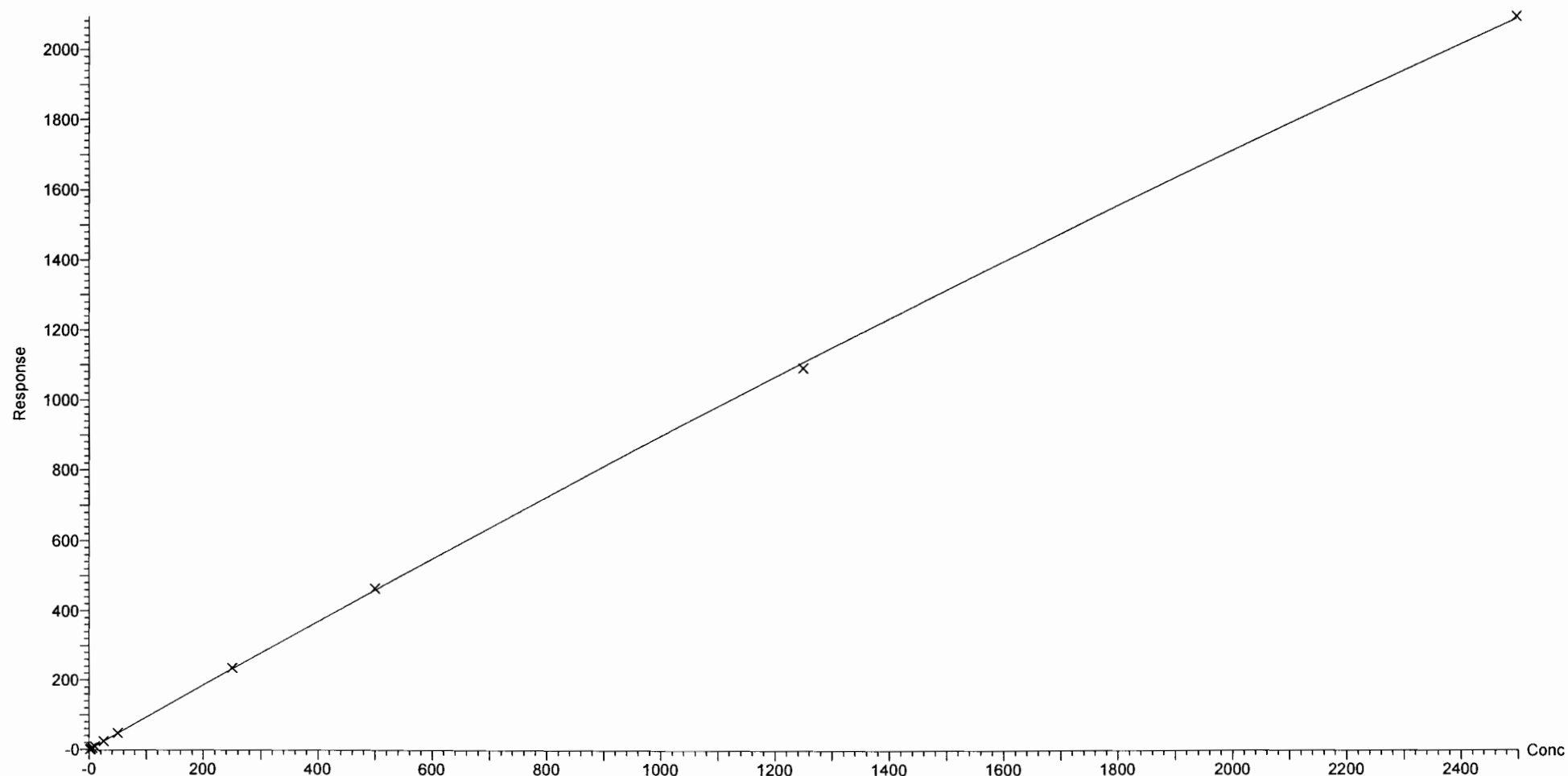
Compound name: N-EtFOSA

Coefficient of Determination:  $R^2 = 0.999895$

Calibration curve:  $-4.22685e-005 * x^2 + 0.940039 * x + 0.0448789$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

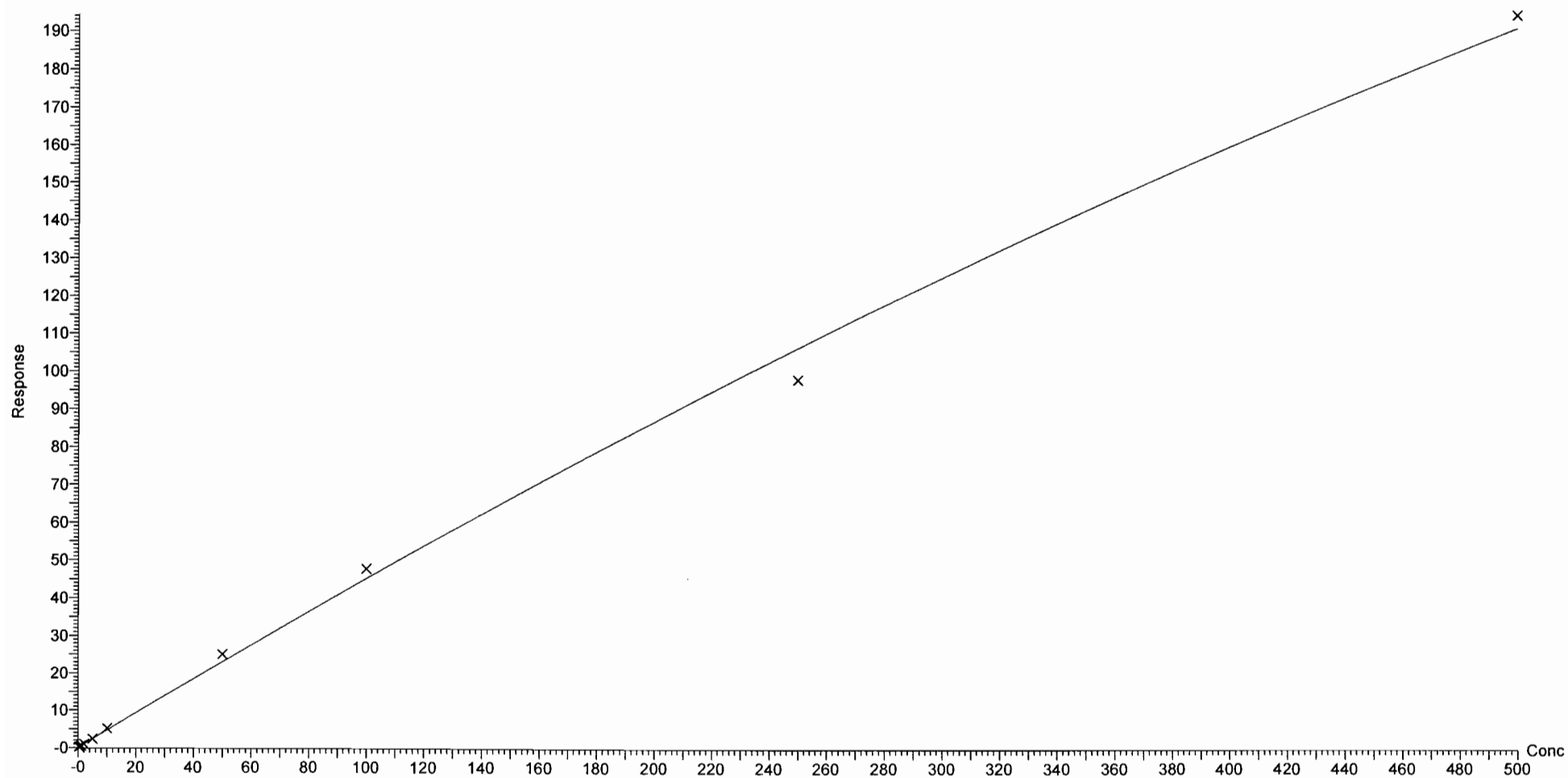
Compound name: PFHxDA

Coefficient of Determination:  $R^2 = 0.996901$

Calibration curve:  $-0.000175343 * x^2 + 0.469296 * x + 0.0624016$

Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

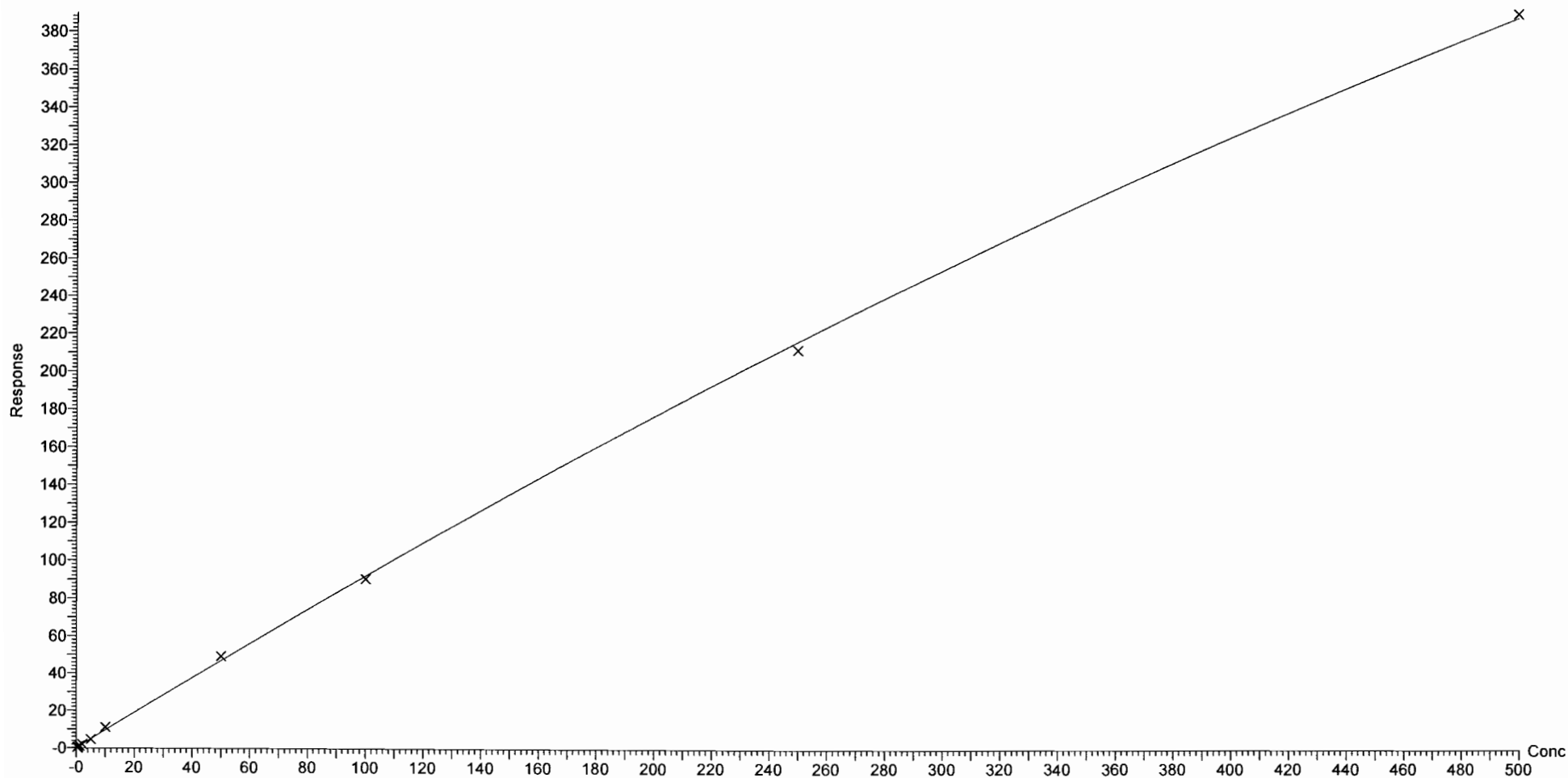
Compound name: PFODA

Coefficient of Determination:  $R^2 = 0.999267$

Calibration curve:  $-0.000361011 * x^2 + 0.955366 * x + 0.052173$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 12:43:20 Pacific Standard Time

Printed: Friday, March 09, 2018 12:46:45 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

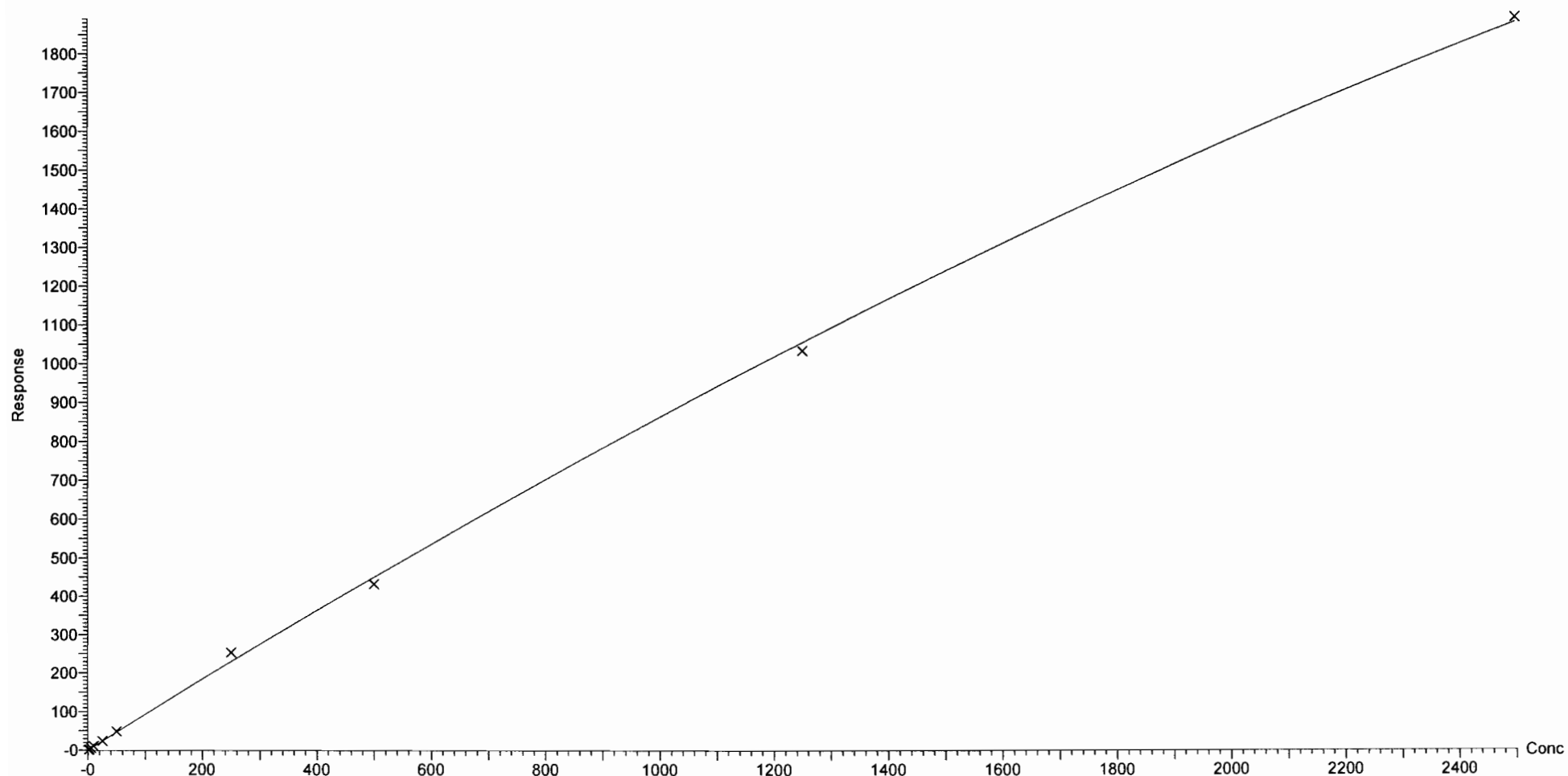
Compound name: N-MeFOSE

Coefficient of Determination:  $R^2 = 0.998719$

Calibration curve:  $-7.38657e-005 * x^2 + 0.936106 * x + 0.0554316$

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\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:49:11 Pacific Standard Time

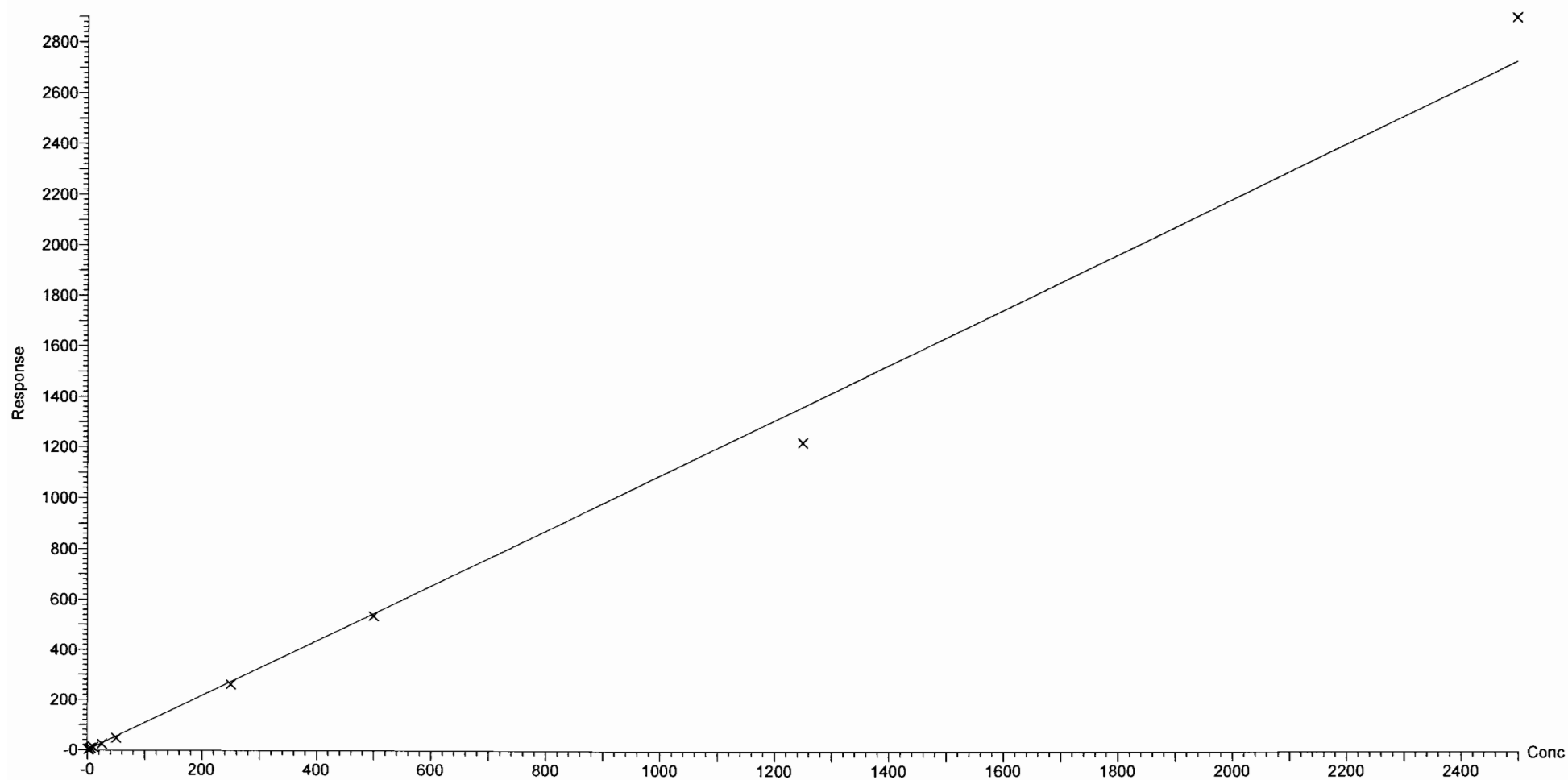
Compound name: N-EtFOSE

Correlation coefficient:  $r = 0.997161$ ,  $r^2 = 0.994331$

Calibration curve:  $1.09145 * x + -0.0776188$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





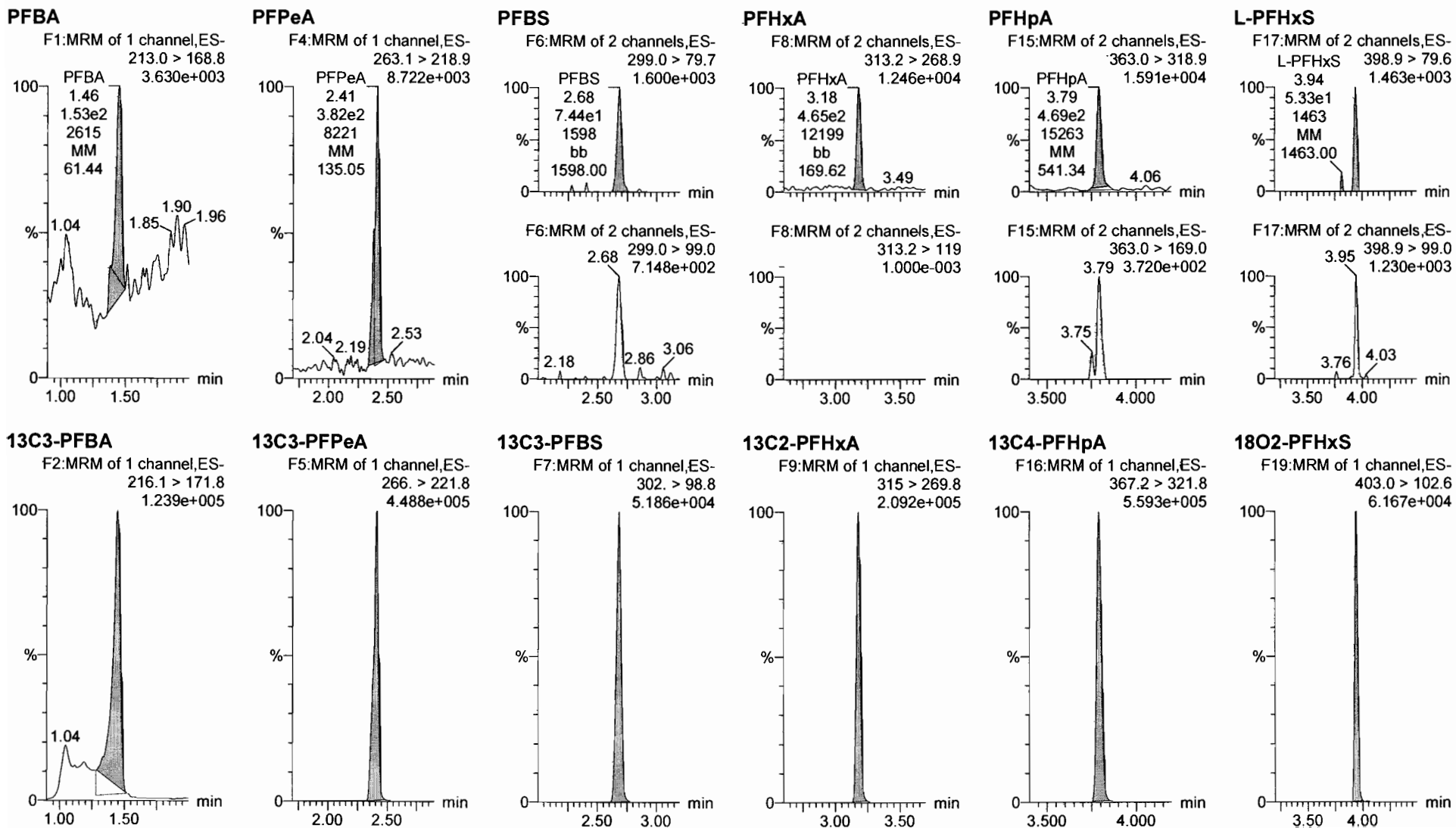
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

*PFDOA not used.*

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54  
Calibration: 09 Mar 2018 10:23:40

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813



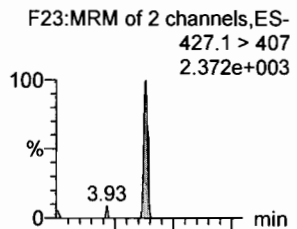
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

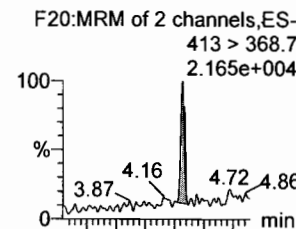
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813

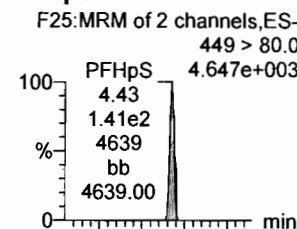
**6:2 FTS**



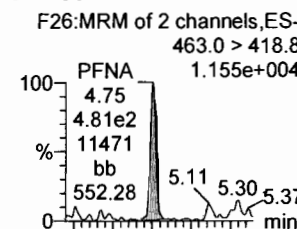
**L-PFOA**



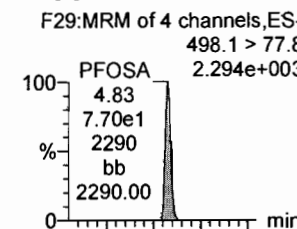
**PFHpS**



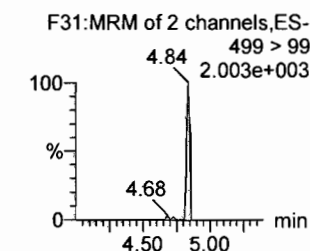
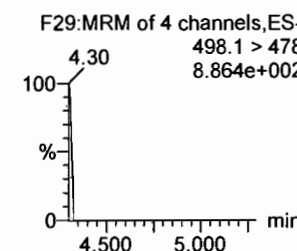
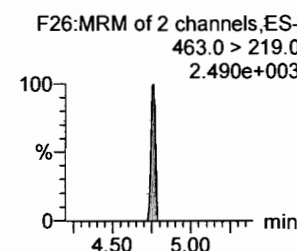
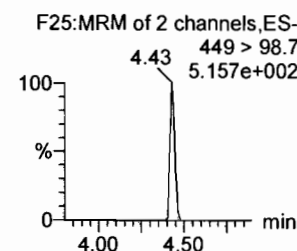
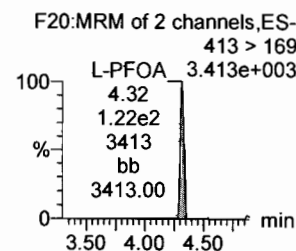
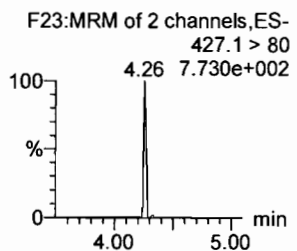
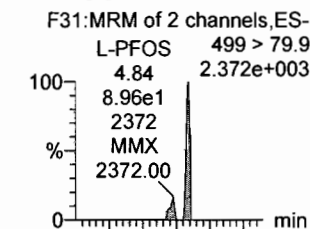
**PFNA**



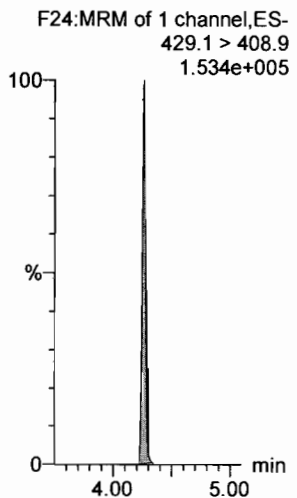
**PFOSA**



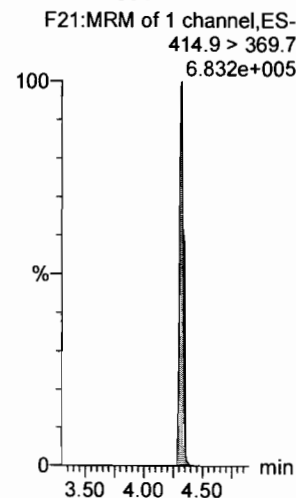
**L-PFOS**



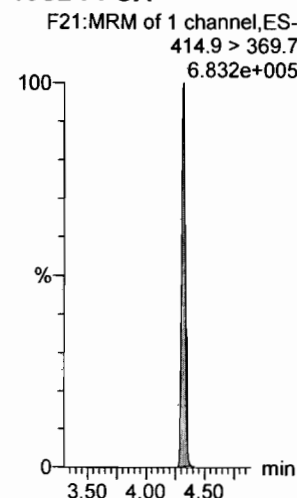
**13C2-6:2 FTS**



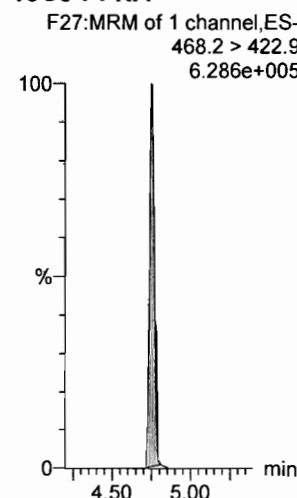
**13C2-PFOA**



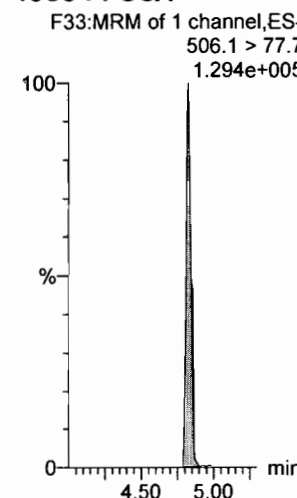
**13C2-PFOA**



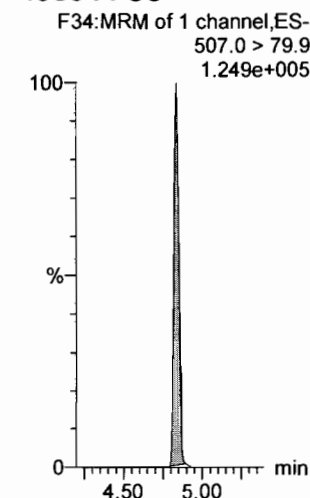
**13C5-PFNA**



**13C8-PFOA**



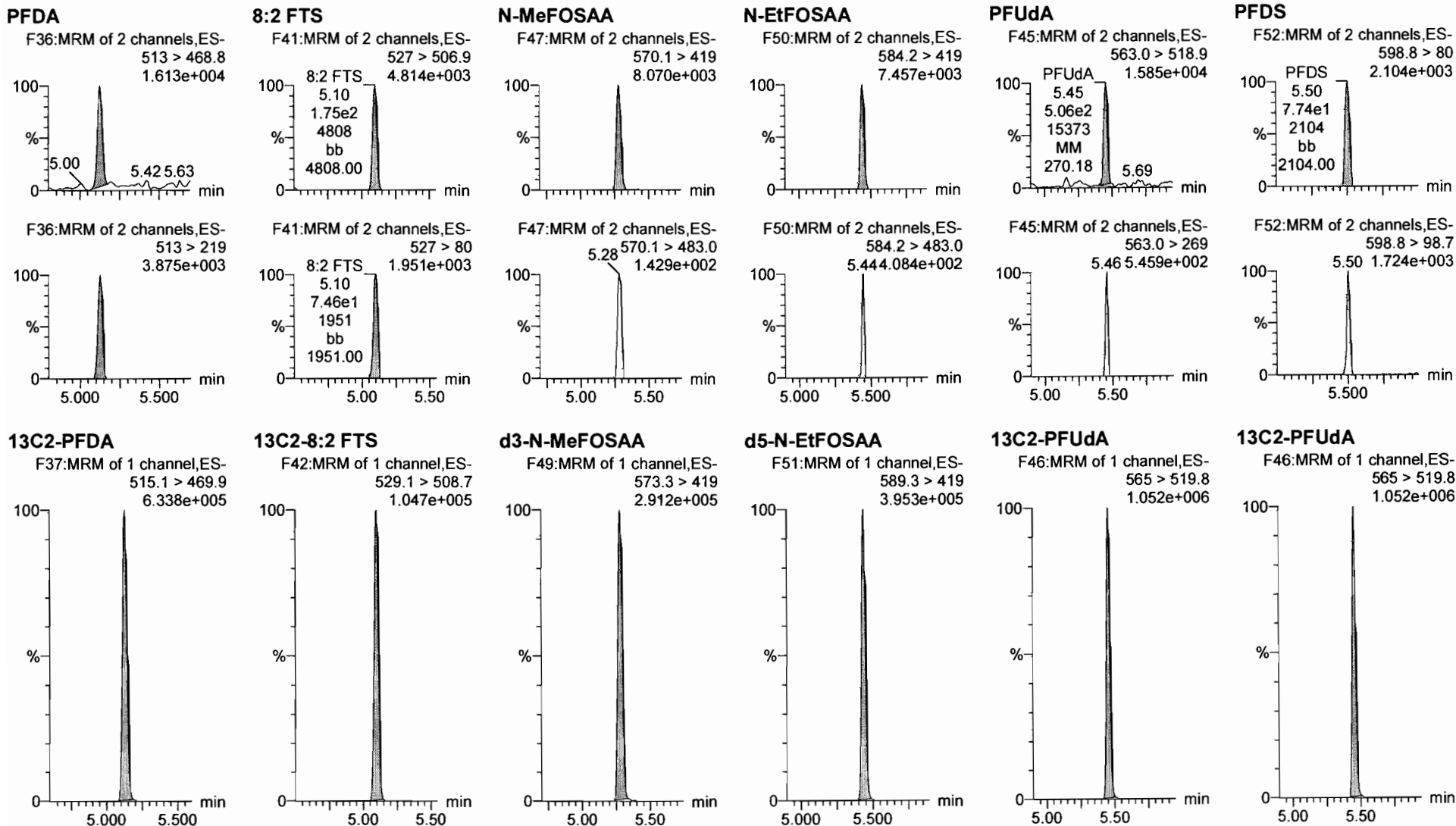
**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
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Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813



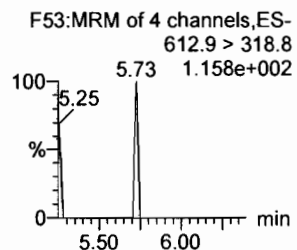
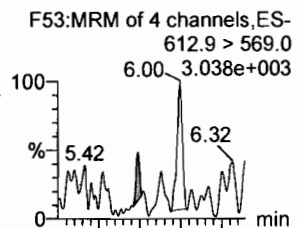
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

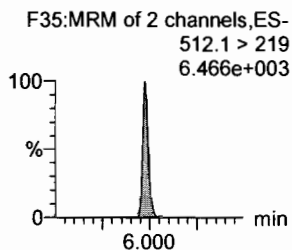
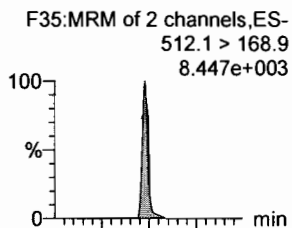
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813

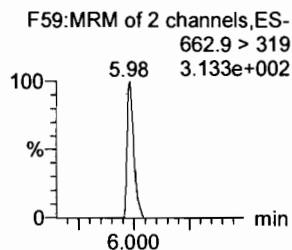
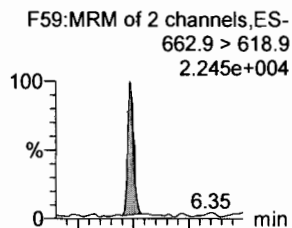
**PFDoA**



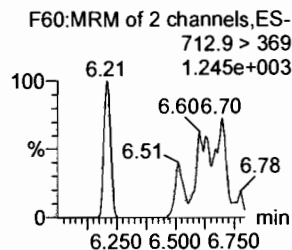
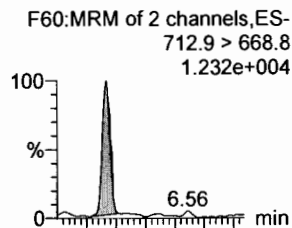
**N-MeFOSA**



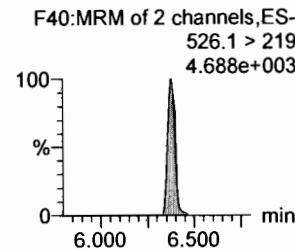
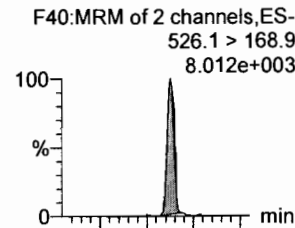
**PFTrDA**



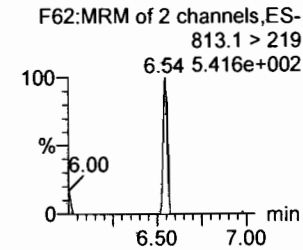
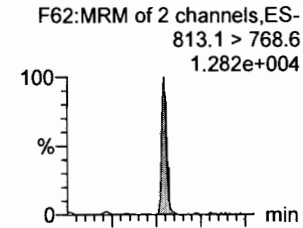
**PFTeDA**



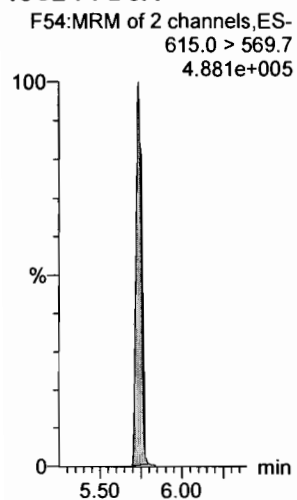
**N-EtFOSA**



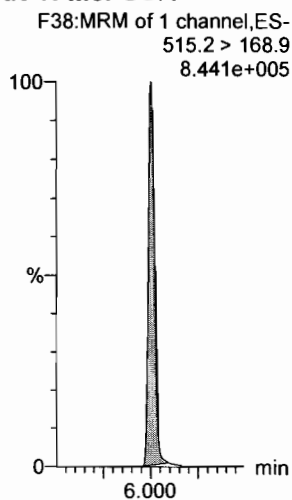
**PFHxDA**



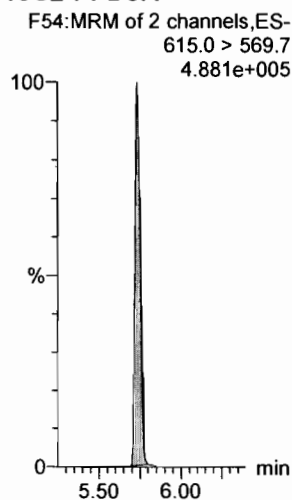
**13C2-PFDoA**



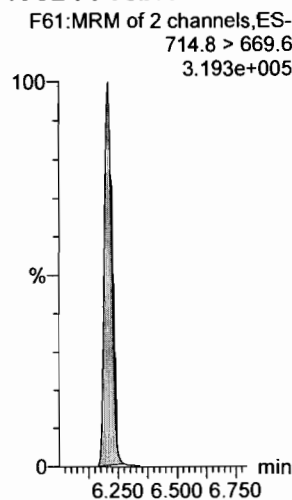
**d3-N-MeFOSA**



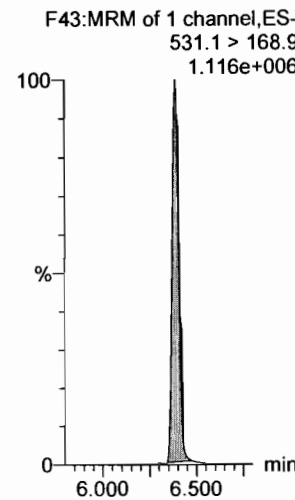
**13C2-PFTeDA**



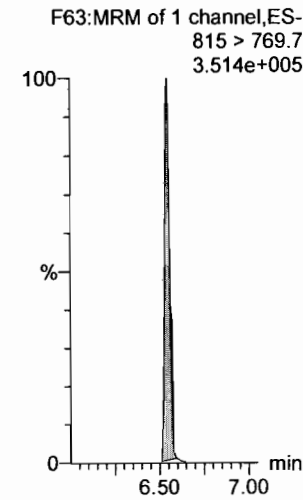
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**

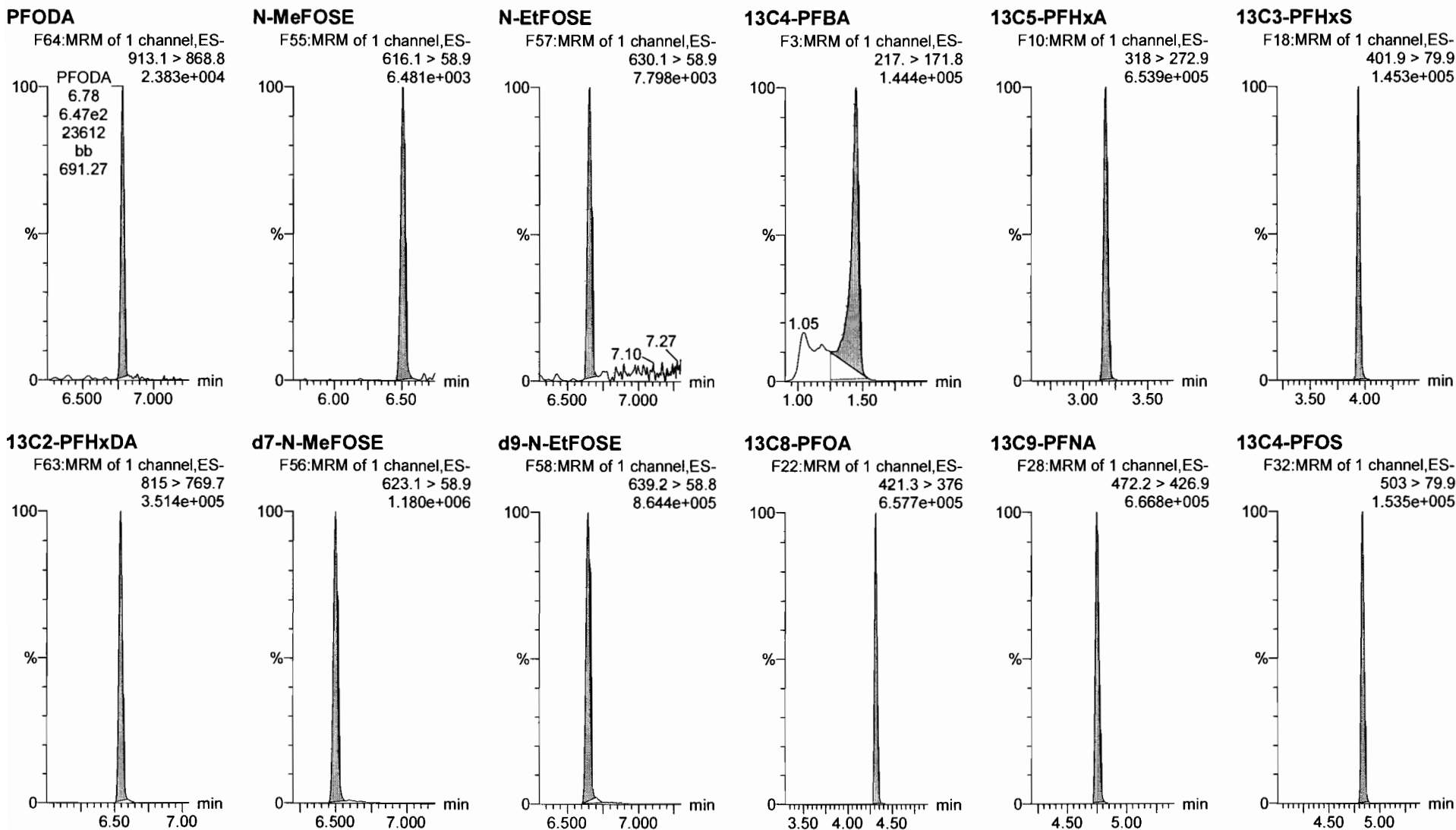


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

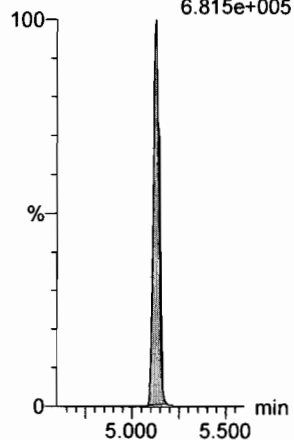
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_2, Date: 08-Mar-2018, Time: 07:41:47, ID: ST180307M2-1 PFC CS-2 18B2813, Description: PFC CS-2 18B2813

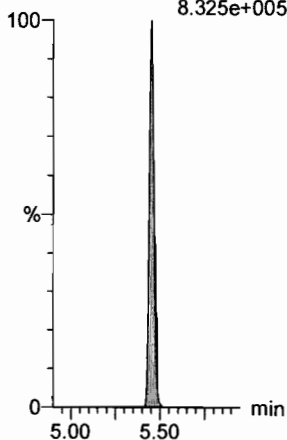
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.815e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
8.325e+005



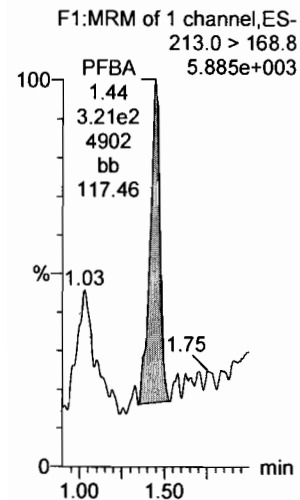
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

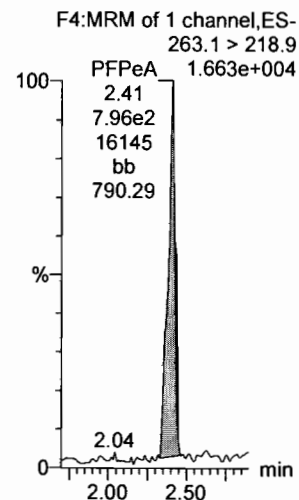
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

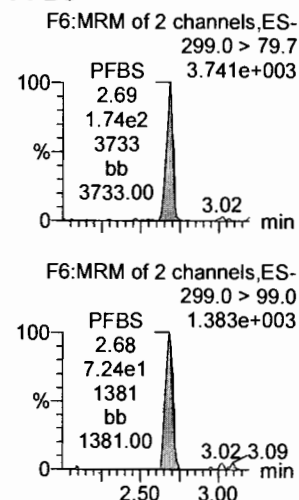
**PFBA**



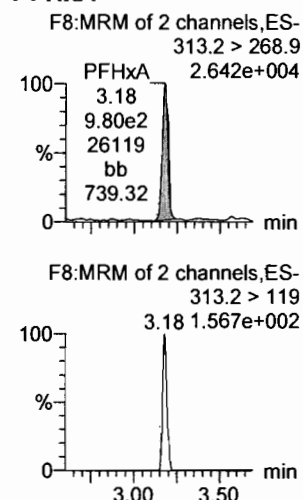
**PFPeA**



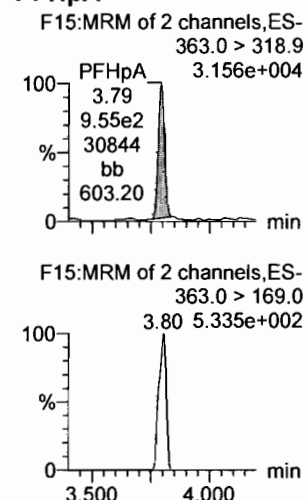
**PFBS**



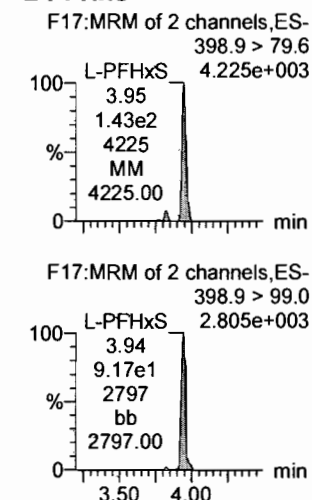
**PFHxA**



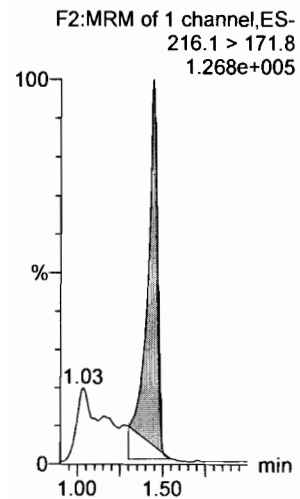
**PFHpA**



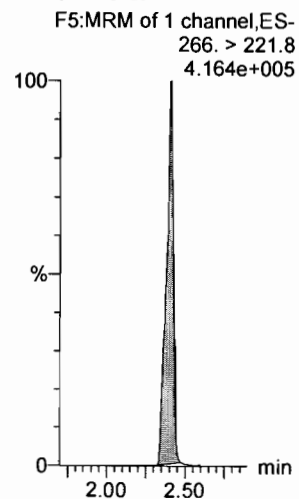
**L-PFHxS**



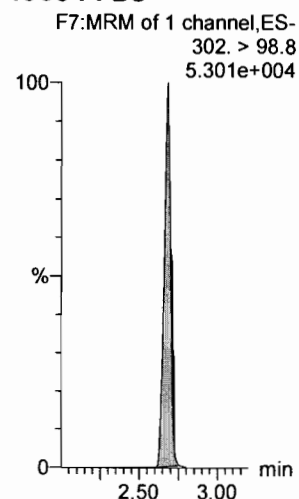
**13C3-PFBA**



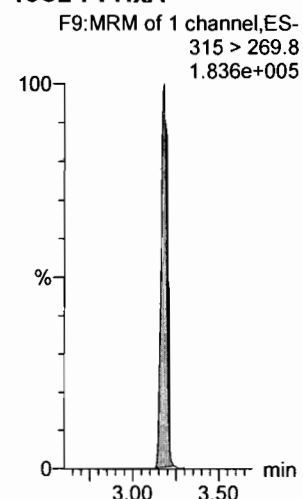
**13C3-PFPeA**



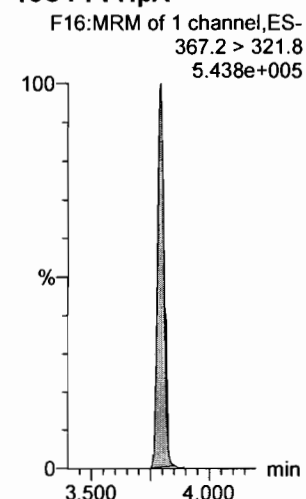
**13C3-PFBS**



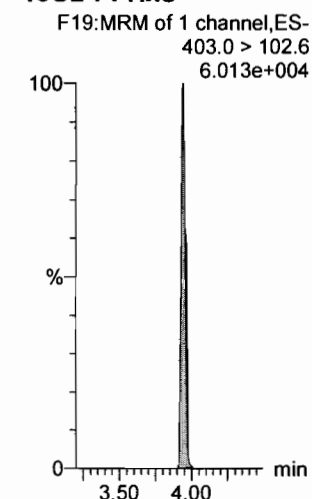
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



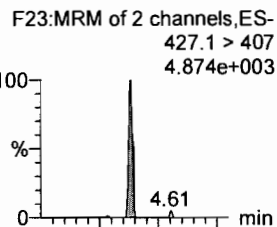
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

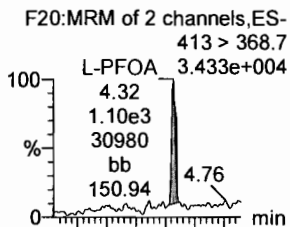
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

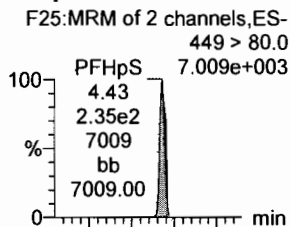
6:2 FTS



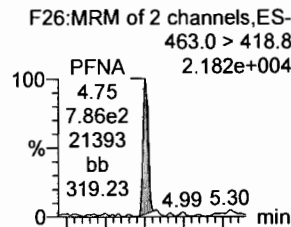
L-PFOA



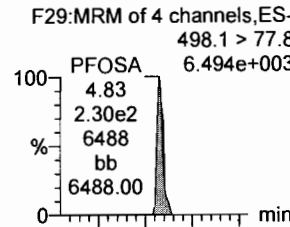
PFHpS



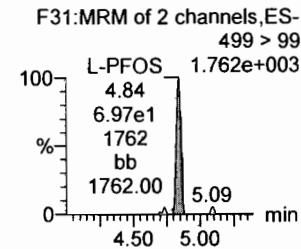
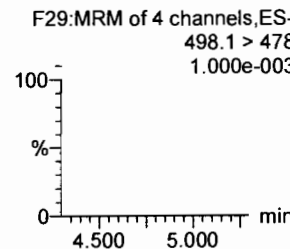
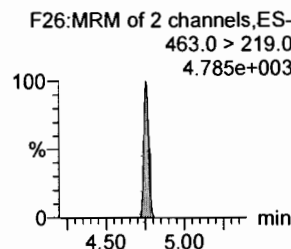
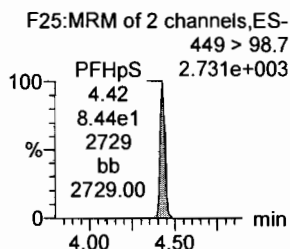
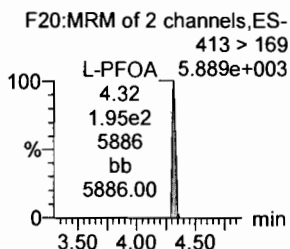
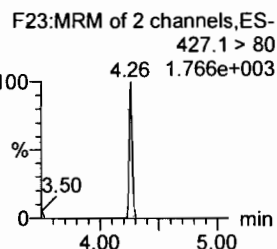
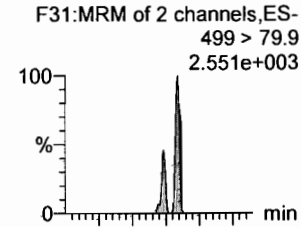
PFNA



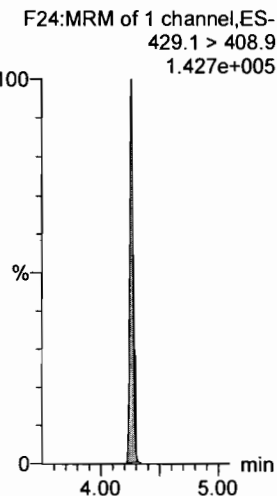
PFOSA



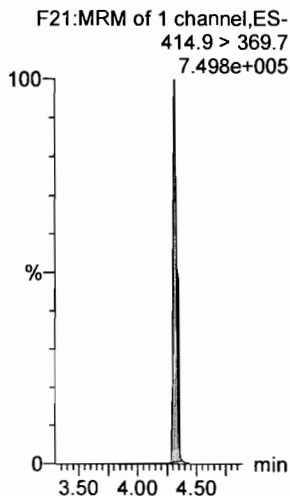
L-PFOS



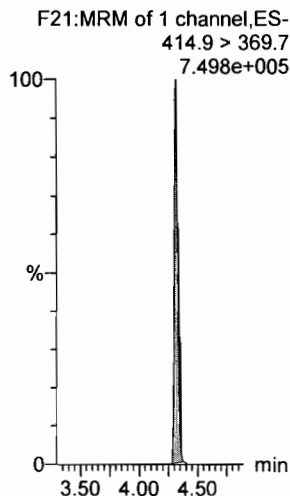
13C2-6:2 FTS



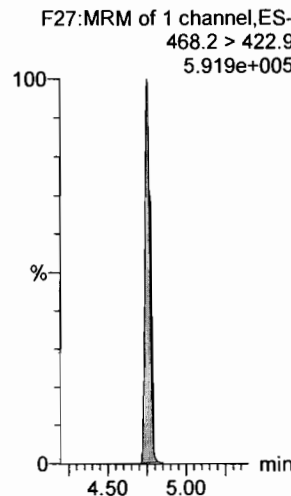
13C2-PFOA



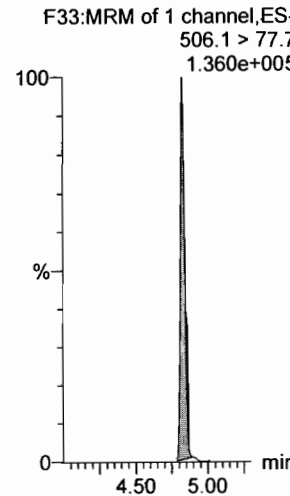
13C2-PFOA



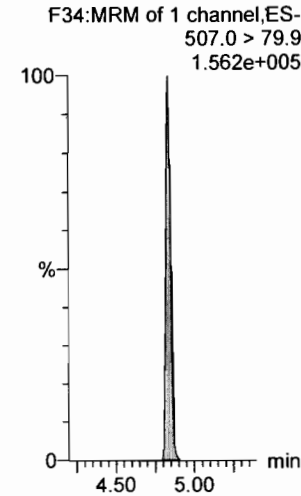
13C5-PFNA



13C8-PFOSA



13C8-PFOS





Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

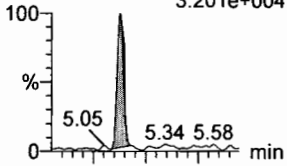
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

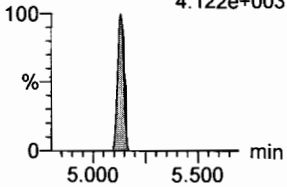
Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
3.201e+004

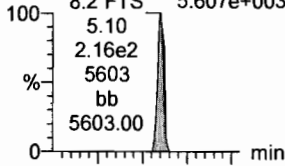


F36:MRM of 2 channels,ES-  
513 > 219  
4.122e+003

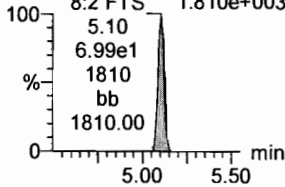


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
5.607e+003

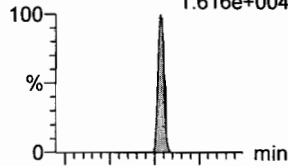


F41:MRM of 2 channels,ES-  
527 > 80  
1.810e+003

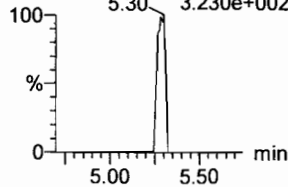


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.616e+004

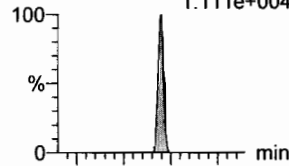


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
3.230e+002

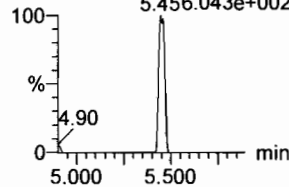


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.111e+004

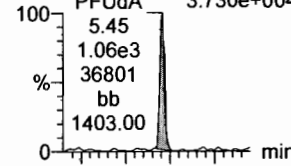


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.456.043e+002

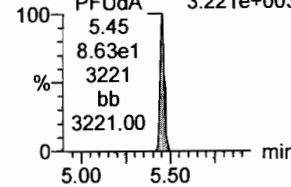


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.730e+004

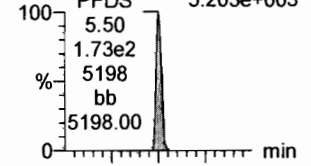


F45:MRM of 2 channels,ES-  
563.0 > 269  
3.221e+003

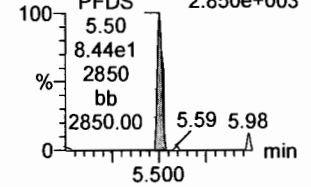


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
5.203e+003

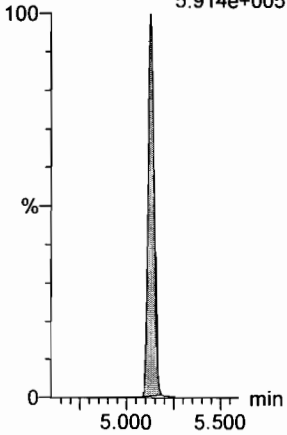


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
2.850e+003



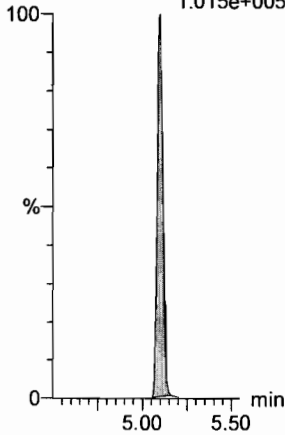
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
5.914e+005



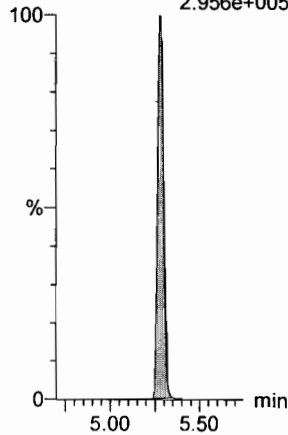
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.015e+005



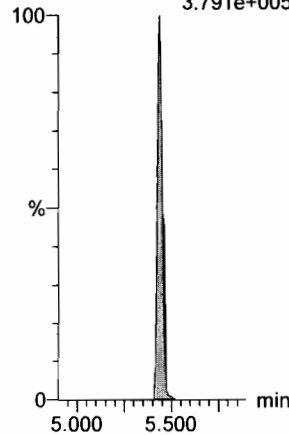
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.956e+005



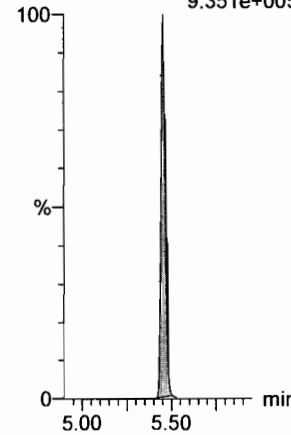
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.791e+005



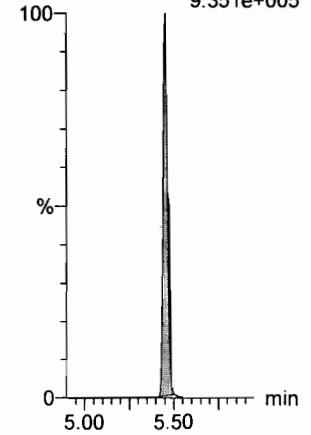
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.351e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.351e+005



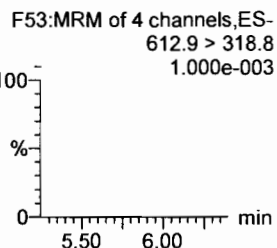
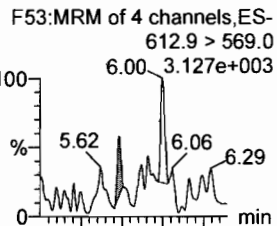
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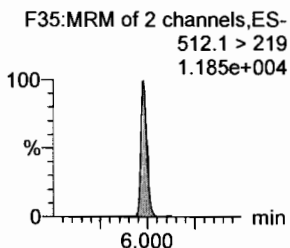
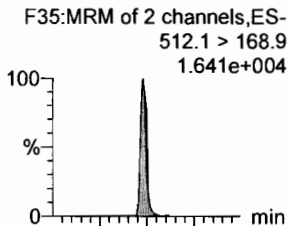
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Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

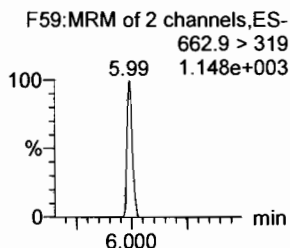
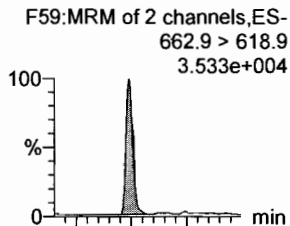
**PFDoA**



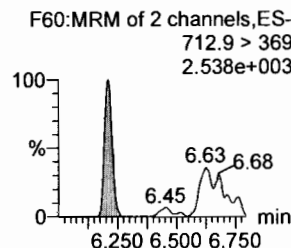
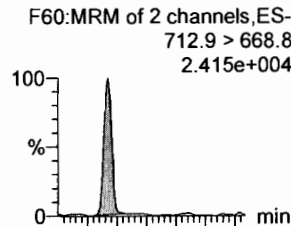
**N-MeFOSA**



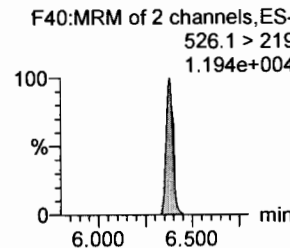
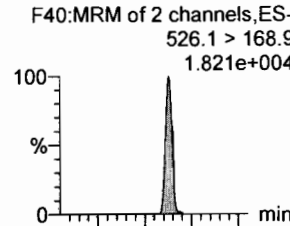
**PFTrDA**



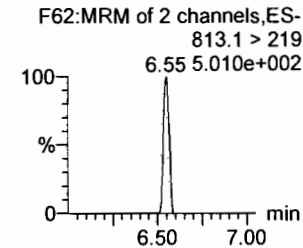
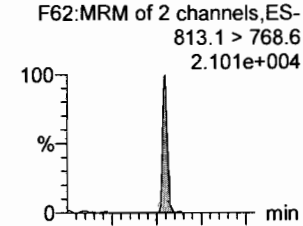
**PFTeDA**



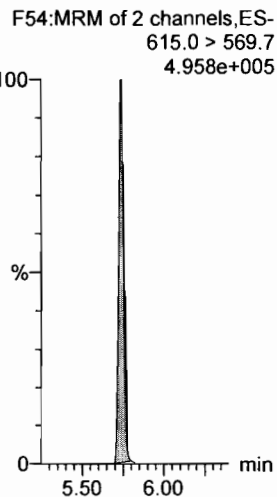
**N-EtFOSA**



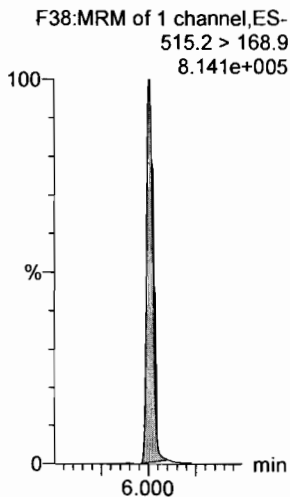
**PFHxDA**



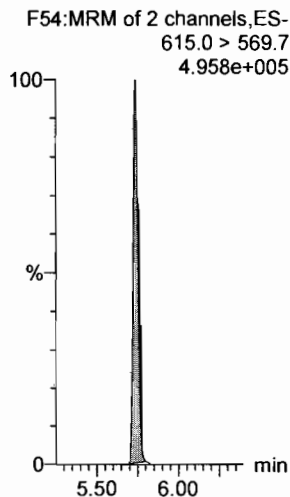
**13C2-PFDoA**



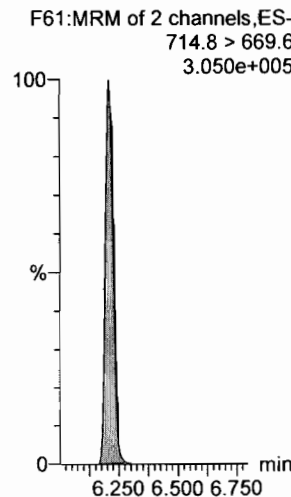
**d3-N-MeFOSA**



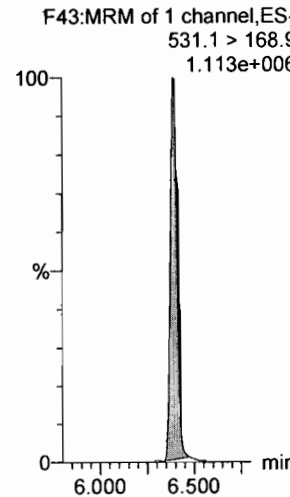
**13C2-PFDoA**



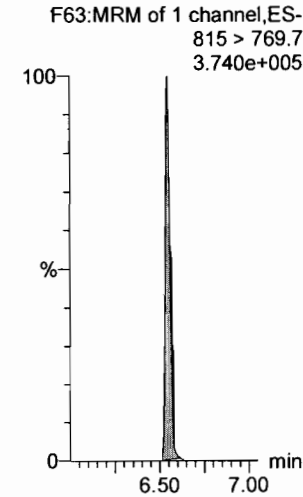
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



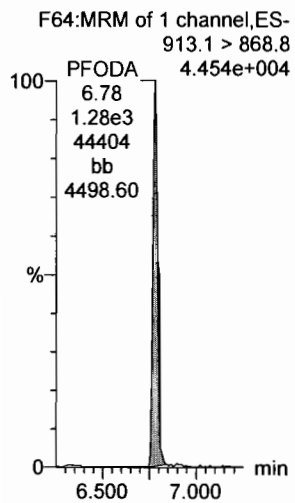
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

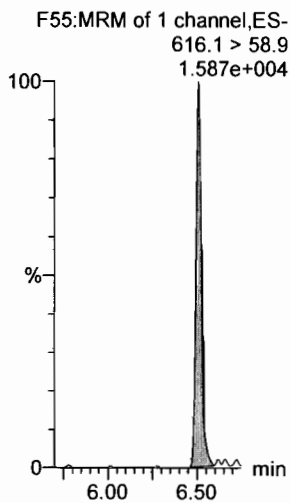
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Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

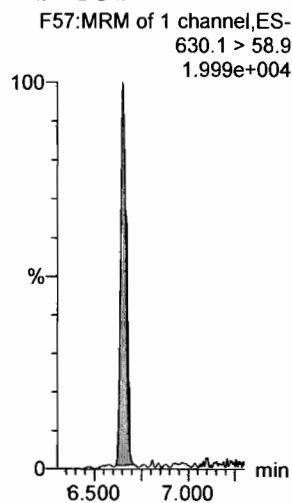
**PFODA**



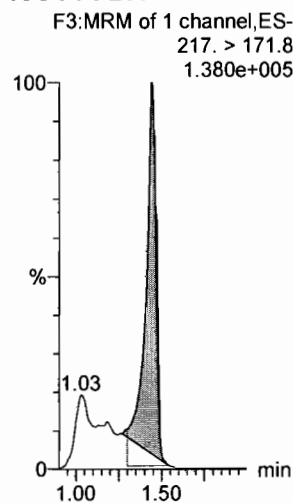
**N-MeFOSE**



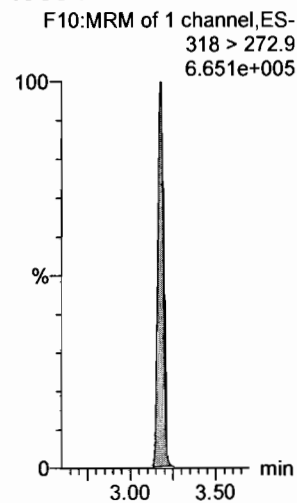
**N-EtFOSE**



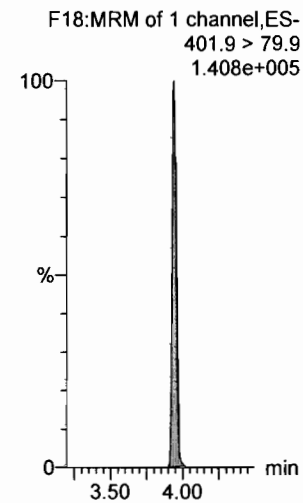
**13C4-PFBA**



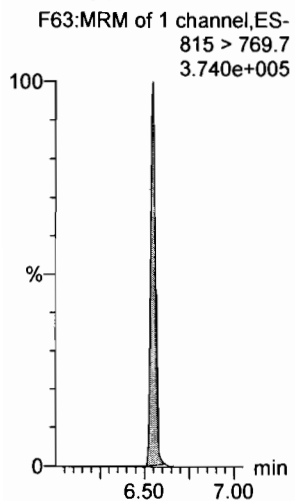
**13C5-PFHxA**



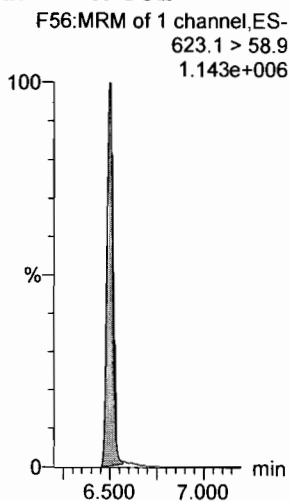
**13C3-PFHxS**



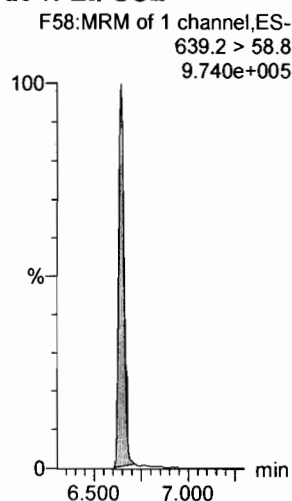
**13C2-PFHxDA**



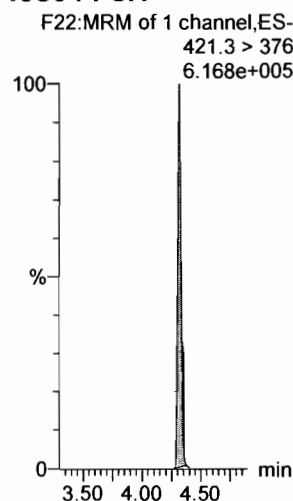
**d7-N-MeFOSE**



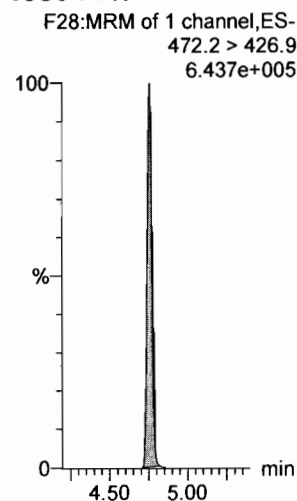
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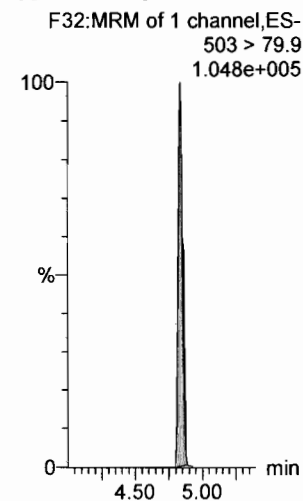
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**

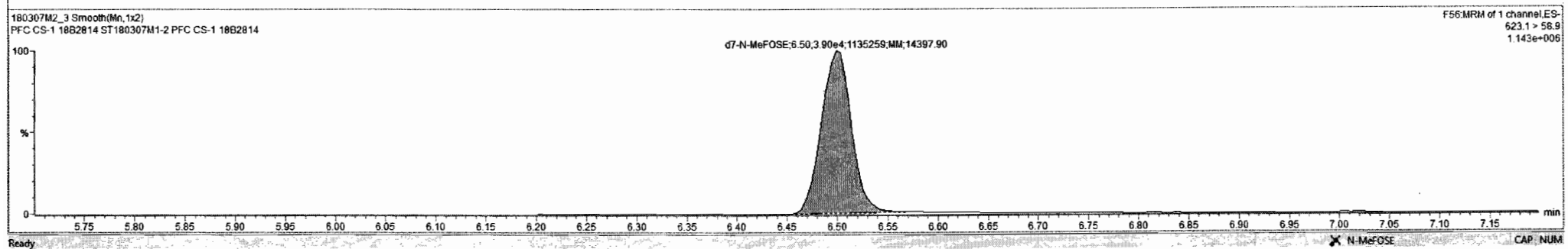
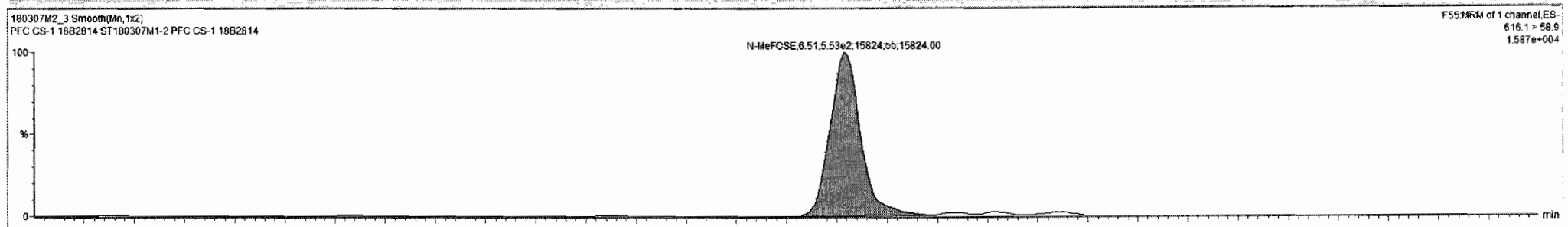


TargetLynx XS - 180307M2-CRV - [Chromatogram]

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N-MeFOSE

#	Name	Type	Std. Conc.	RT	Area	S Area	Response	Primary Flags	Conc.	%Dev	Acq. D.	Acq. T.	Cal. Date	%Rec	RPF	Divisor
1	180307M2_2	Standard	1.250	6.51	237.013	39005.652	0.911	bb	0.3	-77.2	08-Mar	07:41:47	09-Mar...	22.8	0.729	1.0
2	180307M2_3	Standard	2.500	6.51	563.363	39011.109	2.128	bb	1.6	-27.9	08-Mar	07:53:13	09-Mar...	72.1	0.851	1.0
3	180307M2_4	Standard	5.000	6.51	1264.549	34824.887	5.447	bb	5.9	18.8	08-Mar	08:04:42	09-Mar...	118.8	1.089	1.0
4	180307M2_5	Standard	10.000	6.51	2408.220	33766.207	10.697	bb	12.5	24.8	08-Mar	08:16:12	09-Mar...	124.8	1.070	1.0
5	180307M2_6	Standard	25.000	6.51	5310.190	33783.949	23.577	bb	28.5	14.2	08-Mar	08:27:42	09-Mar...	114.2	0.943	1.0
6	180307M2_7	Standard	50.000	6.51	9153.002	28439.365	48.276	MM	59.3	18.7	08-Mar	08:39:12	09-Mar...	118.7	0.966	1.0
7	180307M2_8	Standard	250.000	6.51	62198.898	36806.313	253.485	bb	315.1	26.0	08-Mar	08:50:42	09-Mar...	126.0	1.014	1.0
8	180307M2_9	Standard	500.000	6.51	104114.391	36876.336	423.501	MM	527.0	5.4	08-Mar	09:02:11	09-Mar...	105.4	0.847	1.0
9	180307M2_10	Standard	1250.000	6.51	221964.281	32206.164	1033.880	bb	1287.9	3.0	08-Mar	09:13:38	09-Mar...	103.0	0.627	1.0
10	180307M2_11	Standard	2500.000	6.51	434045.250	34443.641	1890.241	MM	2356.3	-5.8	08-Mar	09:25:07	09-Mar...	94.2	0.756	1.0



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

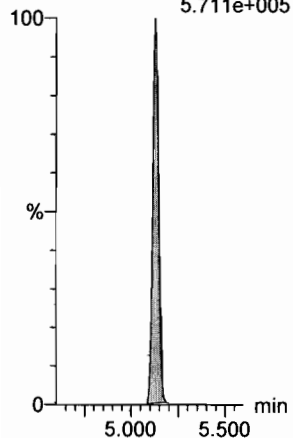
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_3, Date: 08-Mar-2018, Time: 07:53:13, ID: ST180307M1-2 PFC CS-1 18B2814, Description: PFC CS-1 18B2814

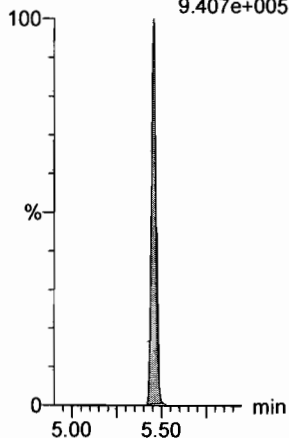
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
5.711e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
9.407e+005



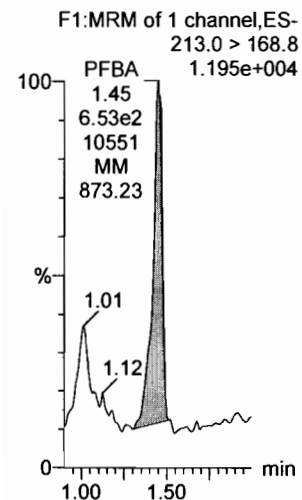
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

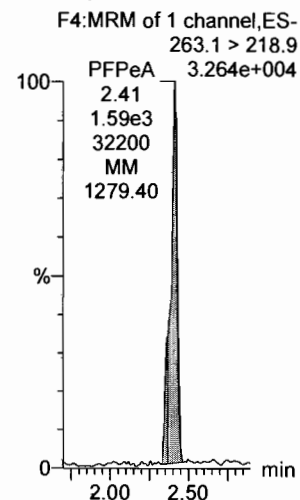
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Name: 180307M2\_4, Date: 08-Mar-2018, Time: 08:04:42, ID: ST180307M1-3 PFC CS0 18B2815, Description: PFC CS0 18B2815

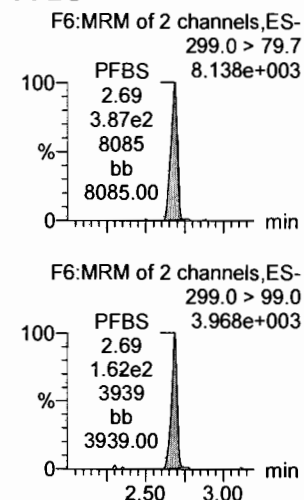
**PFBA**



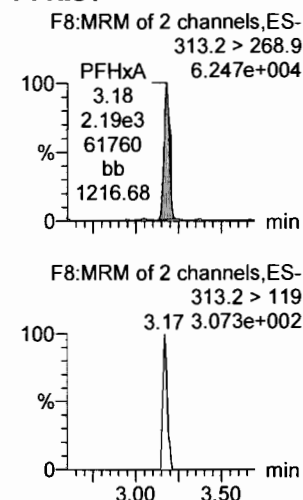
**PFPeA**



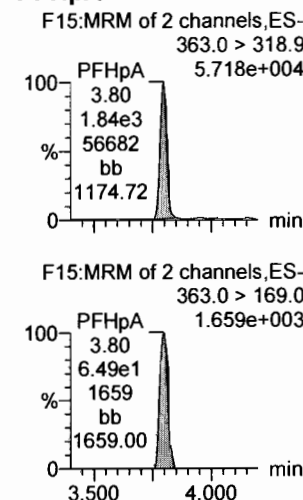
**PFBS**



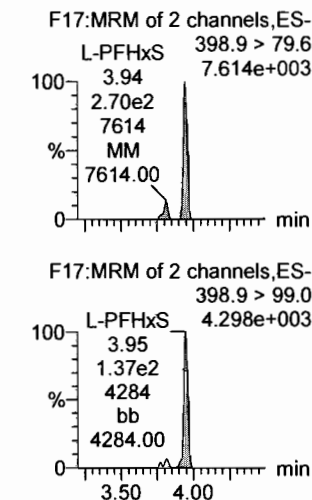
**PFHxA**



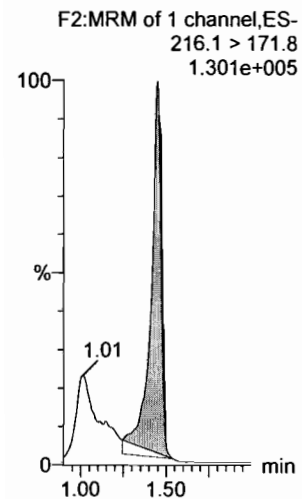
**PFHpA**



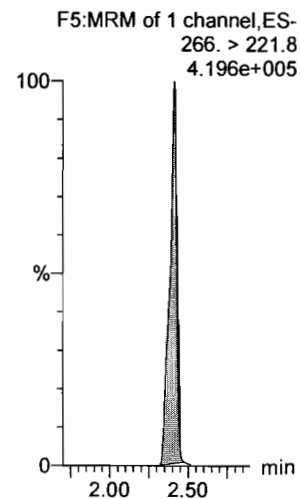
**L-PFHxS**



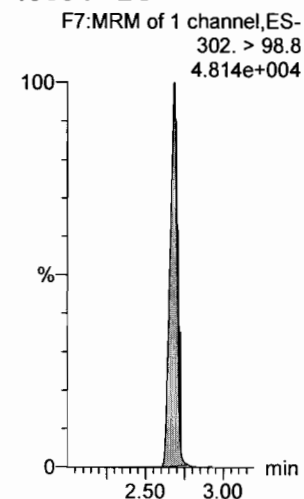
**13C3-PFBA**



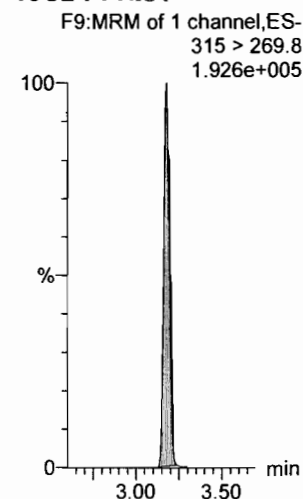
**13C3-PFPeA**



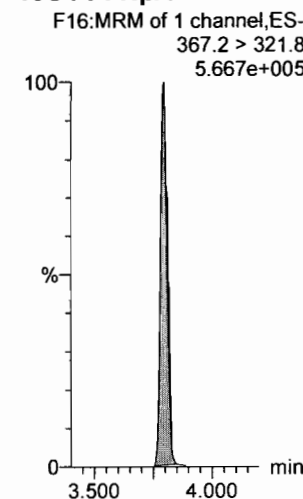
**13C3-PFBS**



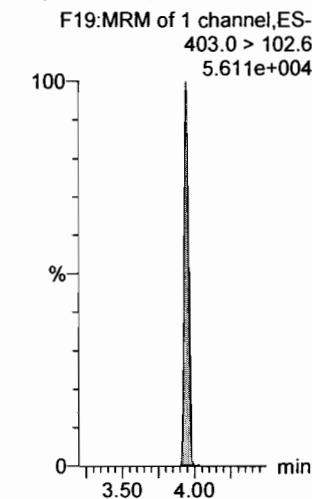
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

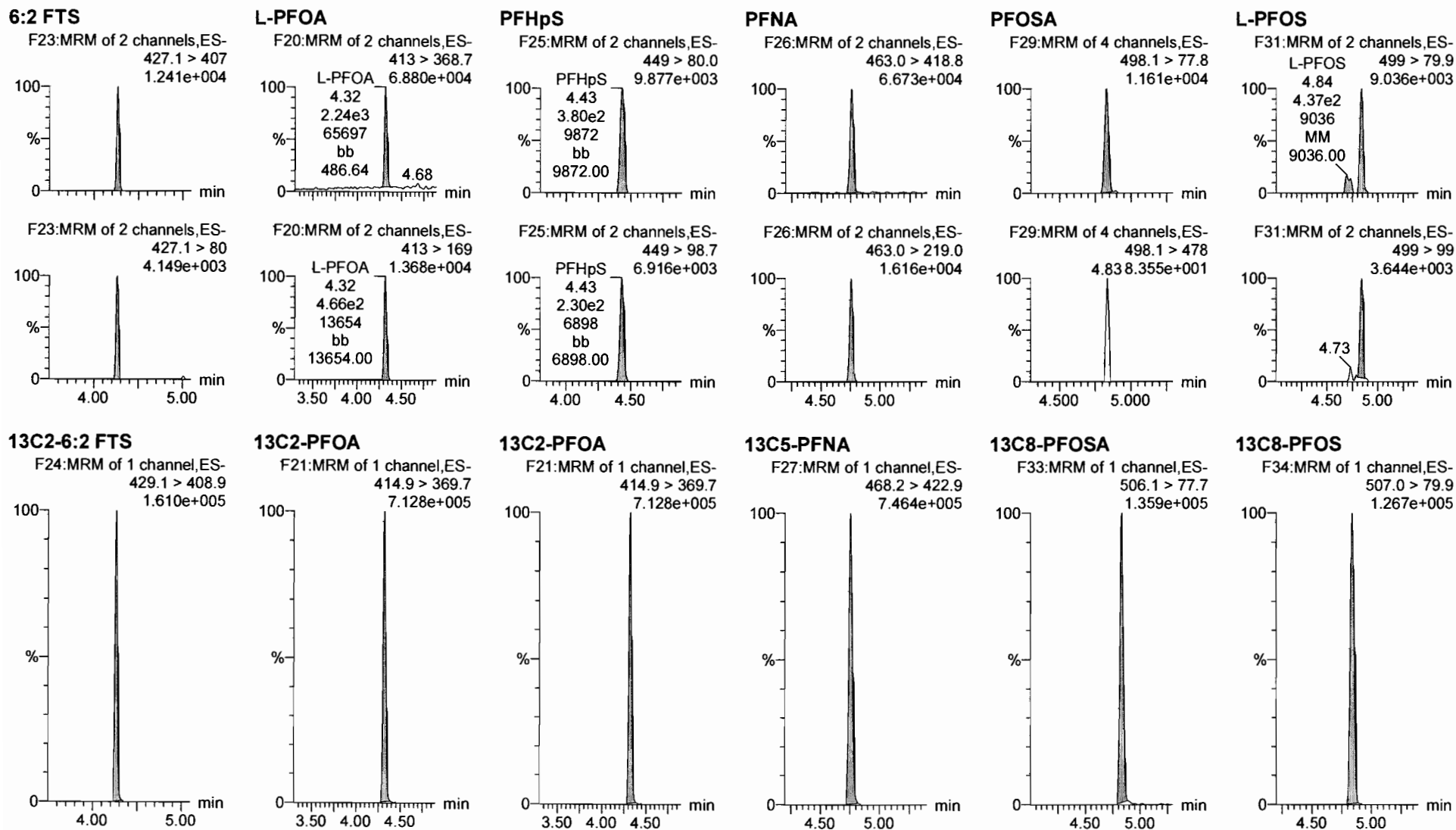


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

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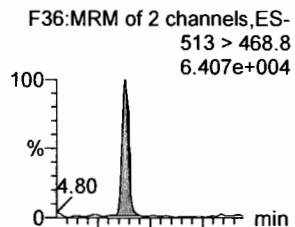
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

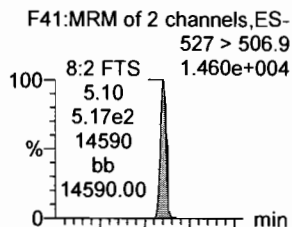
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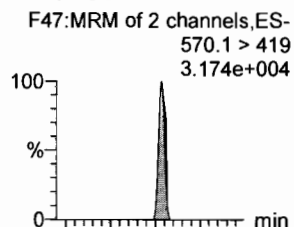
**PFDA**



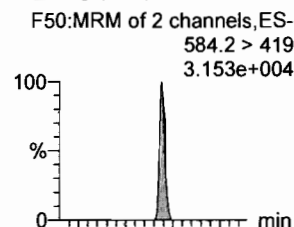
**8:2 FTS**



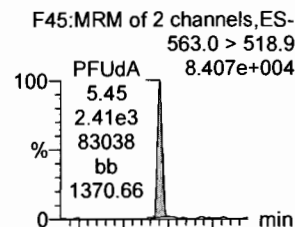
**N-MeFOSAA**



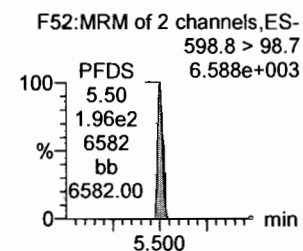
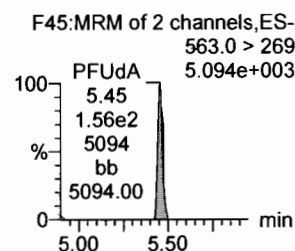
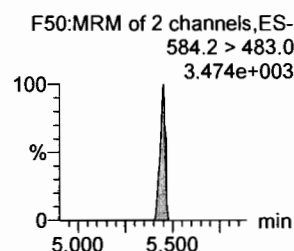
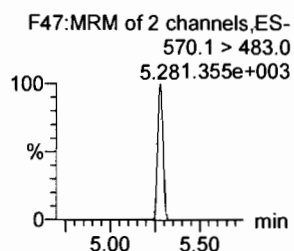
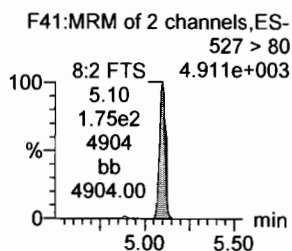
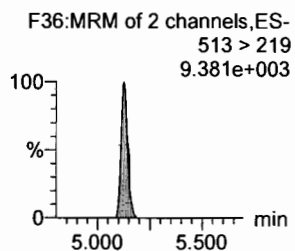
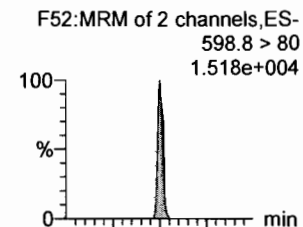
**N-EtFOSAA**



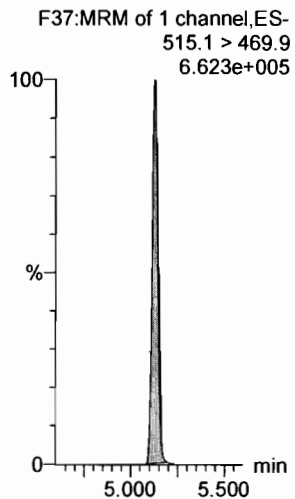
**PFUdA**



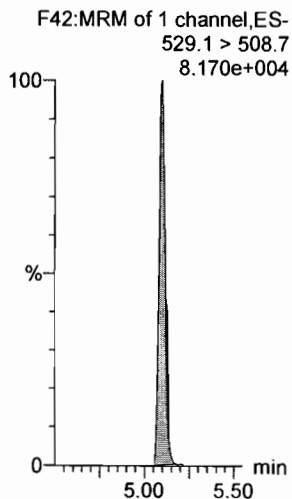
**PFDS**



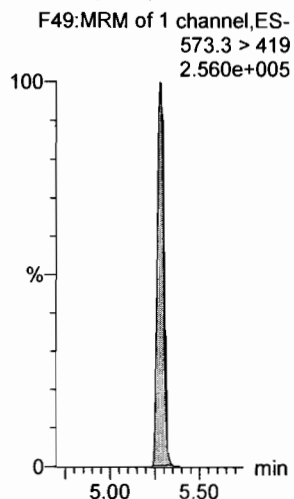
**13C2-PFDA**



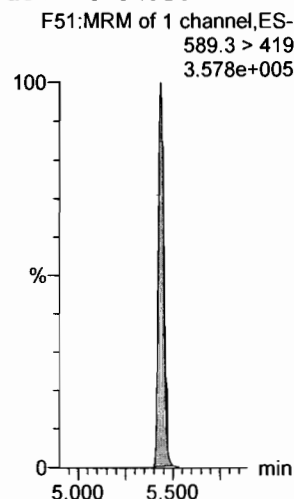
**13C2-8:2 FTS**



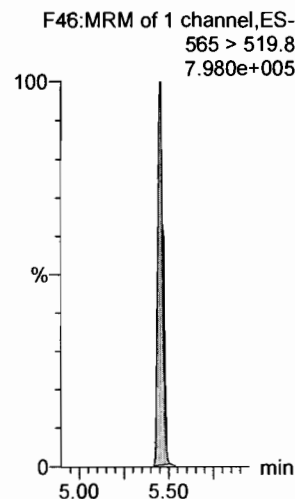
**d3-N-MeFOSAA**



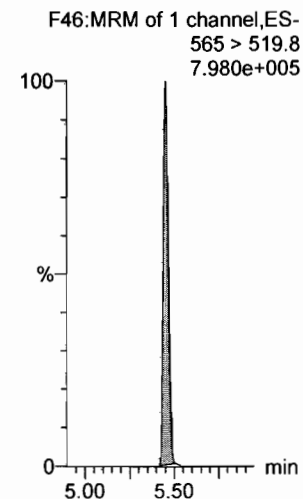
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



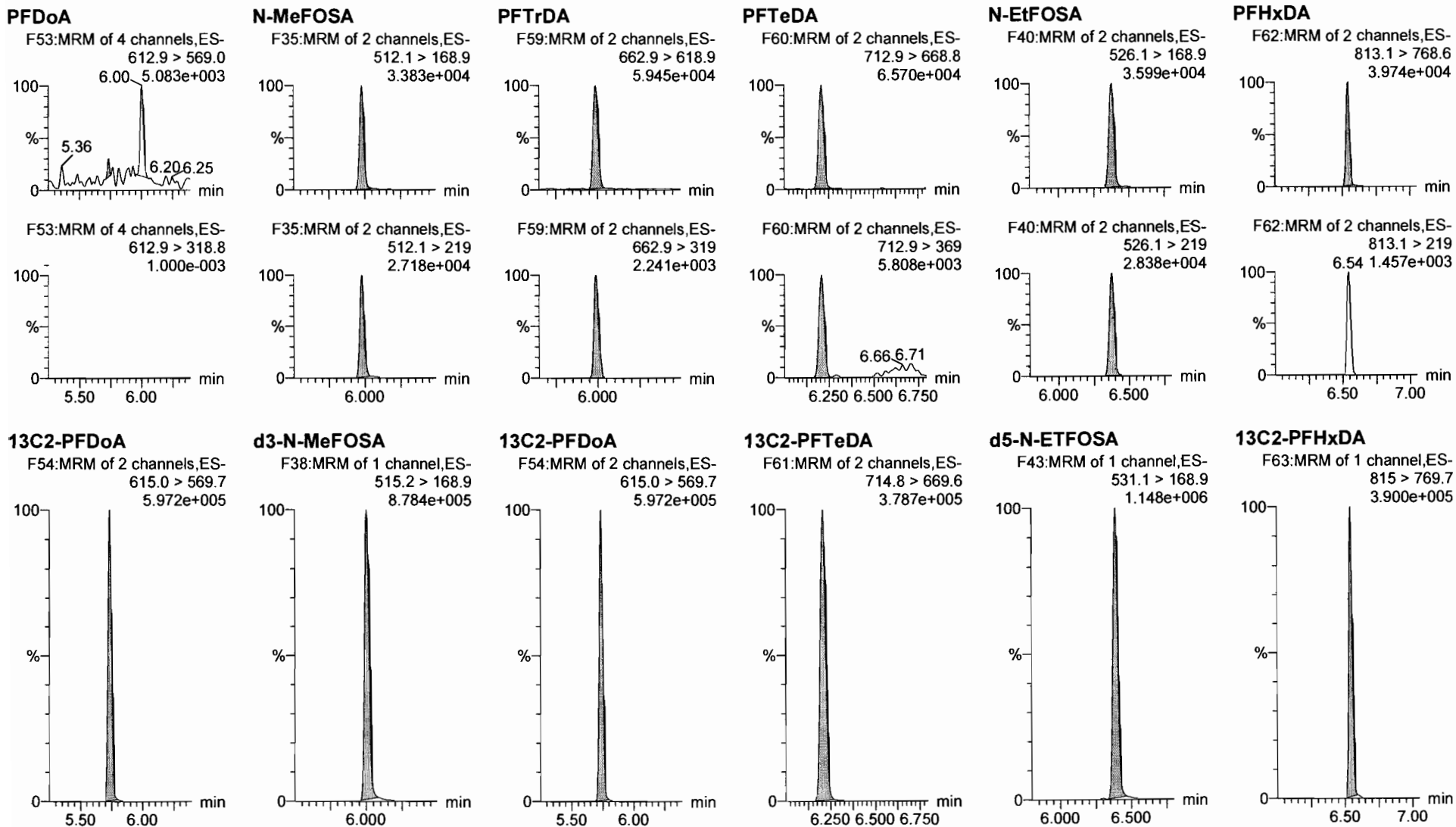


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_4, Date: 08-Mar-2018, Time: 08:04:42, ID: ST180307M1-3 PFC CS0 18B2815, Description: PFC CS0 18B2815

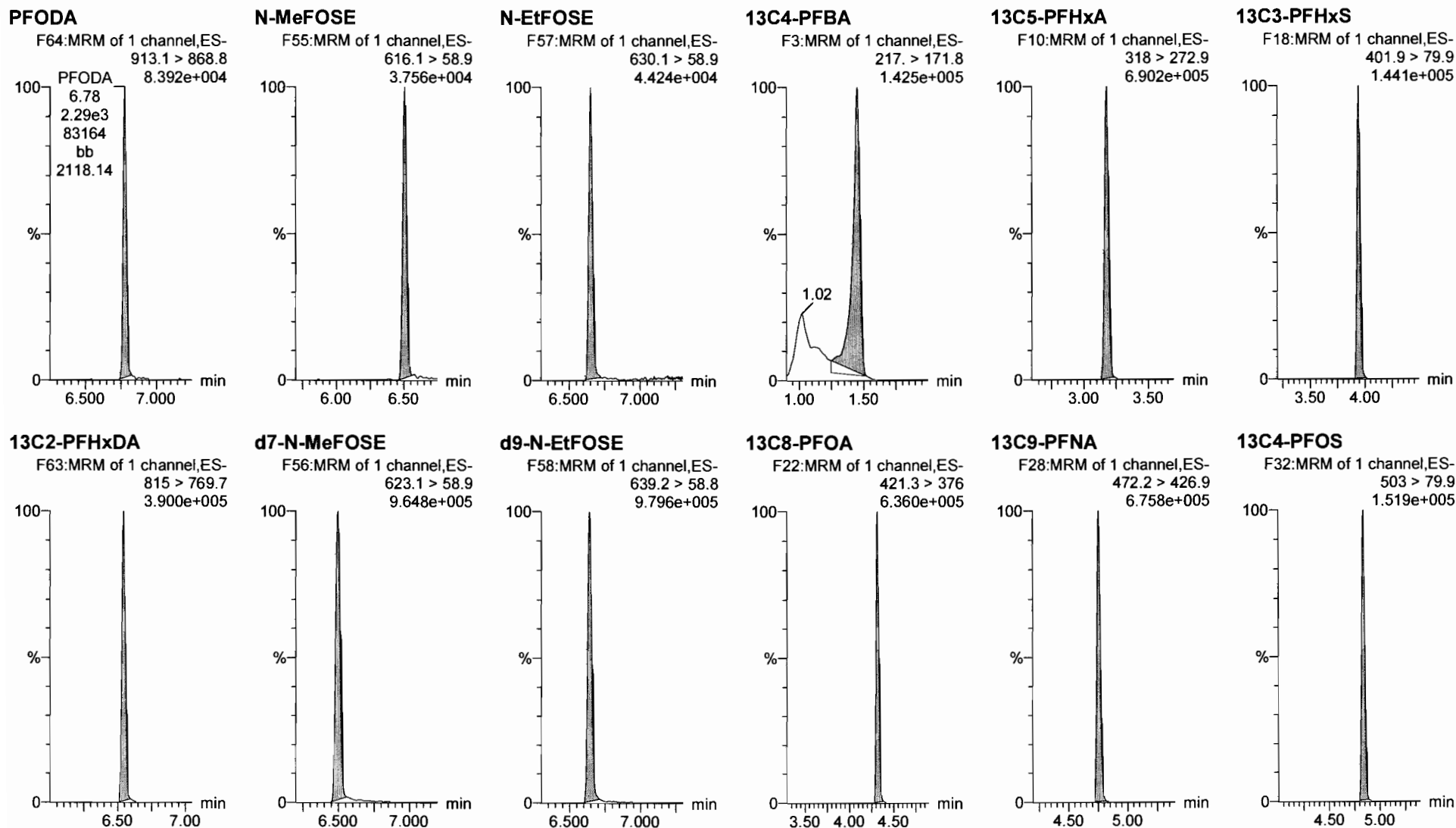


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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_4, Date: 08-Mar-2018, Time: 08:04:42, ID: ST180307M1-3 PFC CS0 18B2815, Description: PFC CS0 18B2815



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

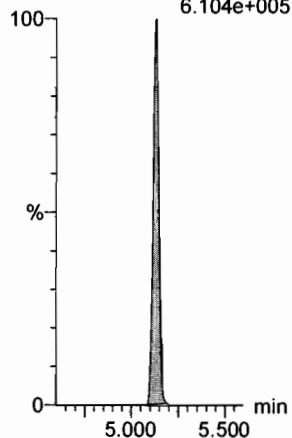
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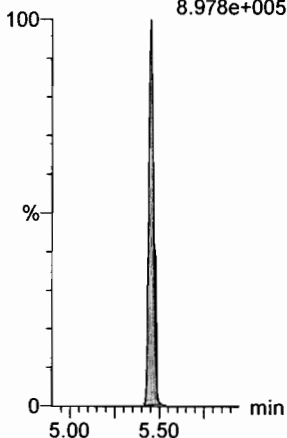
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.104e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
8.978e+005



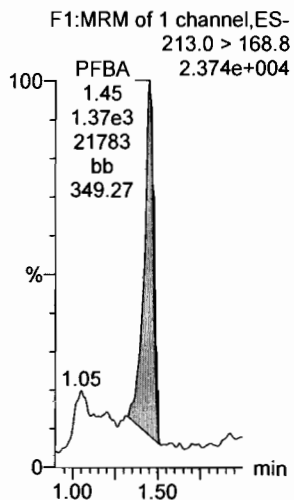
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

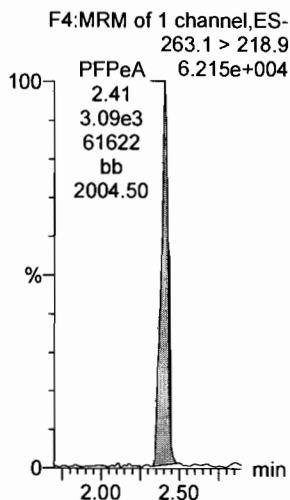
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_5, Date: 08-Mar-2018, Time: 08:16:12, ID: ST180307M1-4 PFC CS1 18B2816, Description: PFC CS1 18B2816

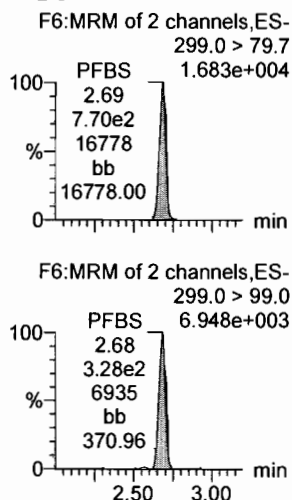
**PFBA**



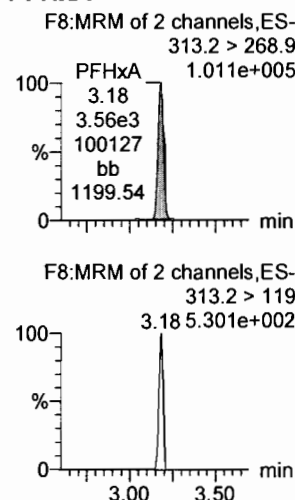
**PFPeA**



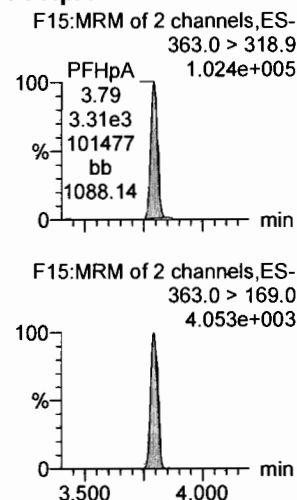
**PFBS**



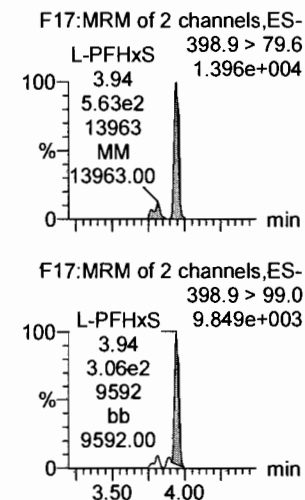
**PFHxA**



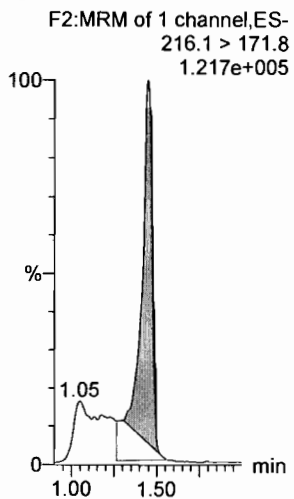
**PFHpA**



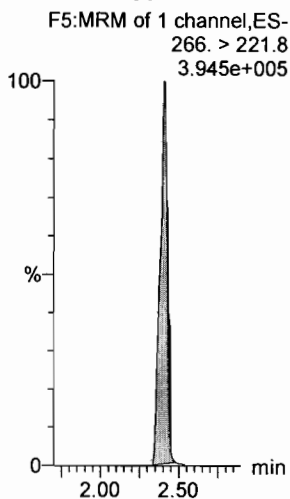
**L-PFHxS**



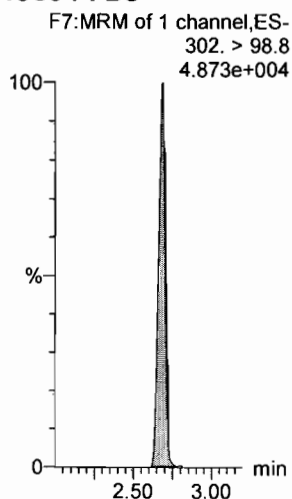
**13C3-PFBA**



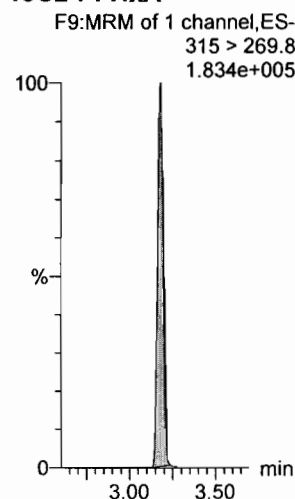
**13C3-PFPeA**



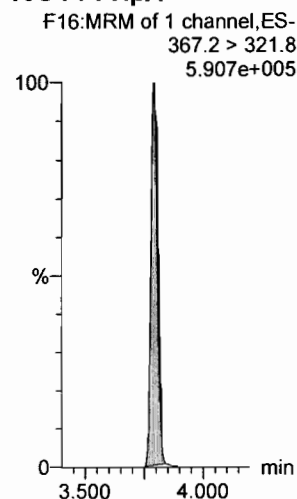
**13C3-PFBS**



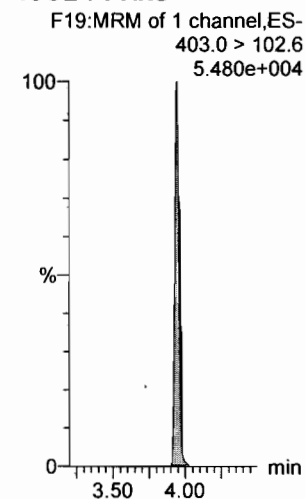
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

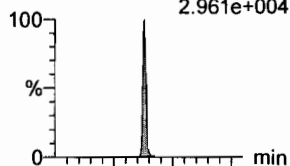
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

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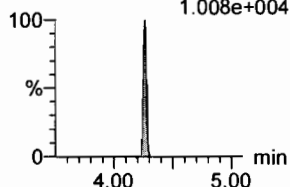
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**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
2.961e+004

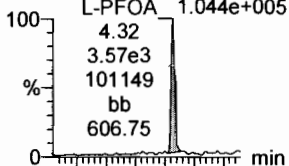


F23:MRM of 2 channels,ES-  
427.1 > 80  
1.008e+004

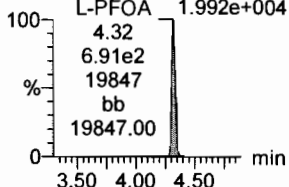


**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
1.044e+005

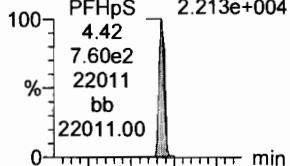


F20:MRM of 2 channels,ES-  
413 > 169  
1.992e+004

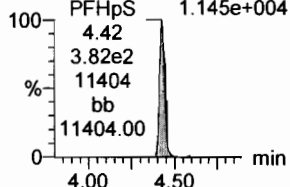


**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
2.213e+004

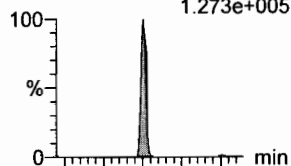


F25:MRM of 2 channels,ES-  
449 > 98.7  
1.145e+004

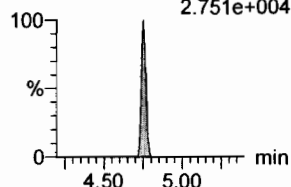


**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
1.273e+005

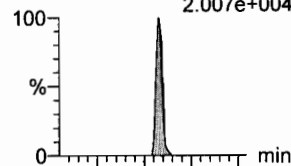


F26:MRM of 2 channels,ES-  
463.0 > 219.0  
2.751e+004

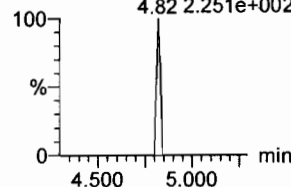


**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
2.007e+004

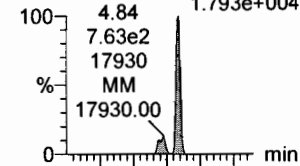


F29:MRM of 4 channels,ES-  
498.1 > 478  
4.82 2.251e+002

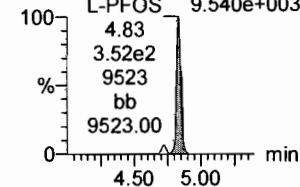


**L-PFOS**

F31:MRM of 2 channels,ES-  
499 > 79.9  
1.793e+004

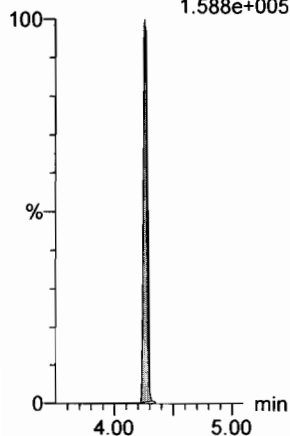


F31:MRM of 2 channels,ES-  
499 > 99  
9.540e+003



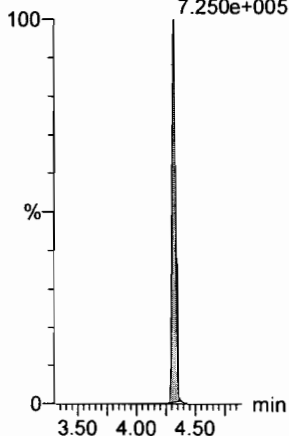
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
1.588e+005



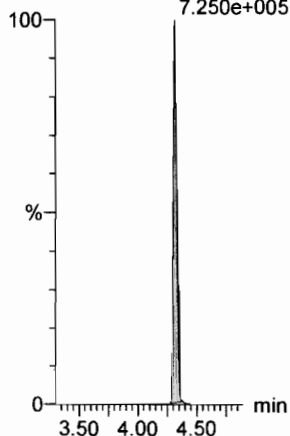
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.250e+005



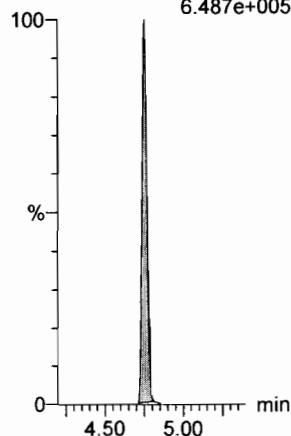
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.250e+005



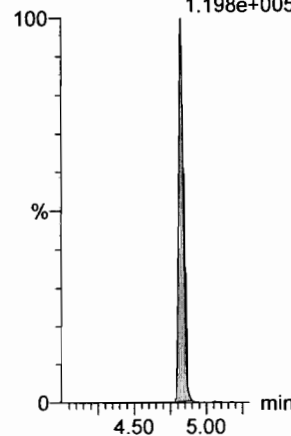
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
6.487e+005



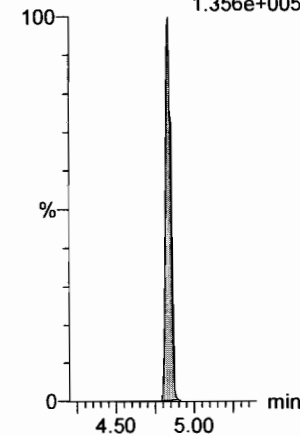
**13C8-PFOA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
1.198e+005



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
1.356e+005



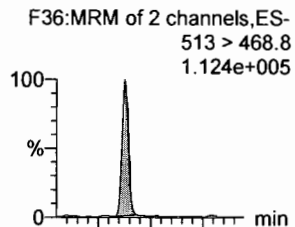
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

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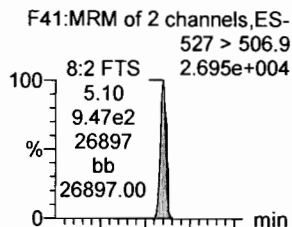
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Name: 180307M2\_5, Date: 08-Mar-2018, Time: 08:16:12, ID: ST180307M1-4 PFC CS1 18B2816, Description: PFC CS1 18B2816

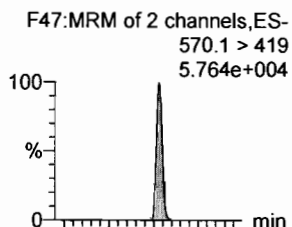
**PFDA**



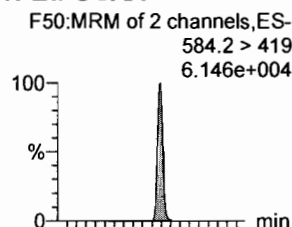
**8:2 FTS**



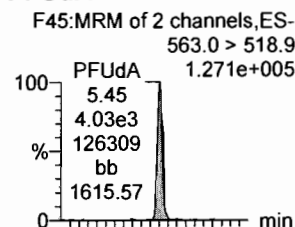
**N-MeFOSAA**



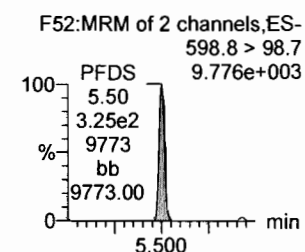
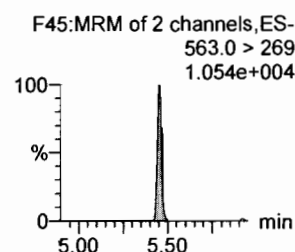
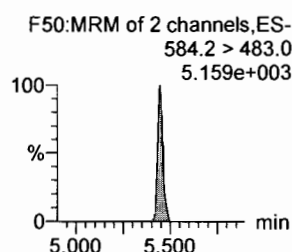
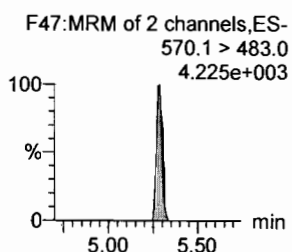
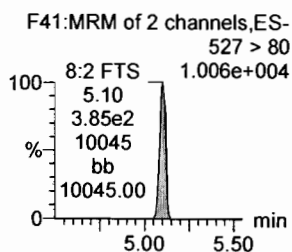
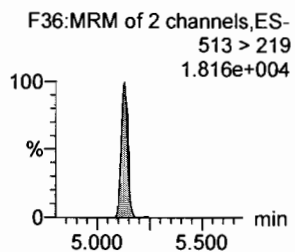
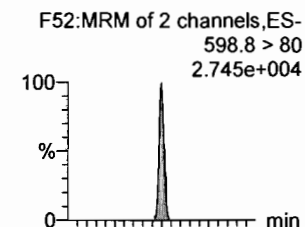
**N-EtFOSAA**



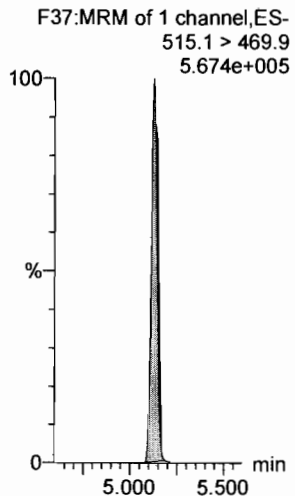
**PFUdA**



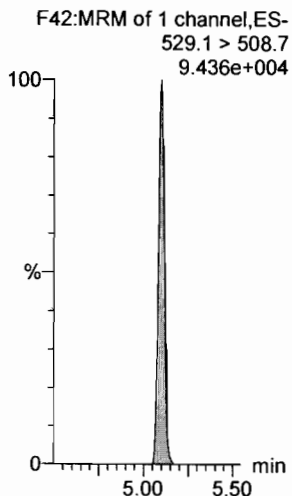
**PFDS**



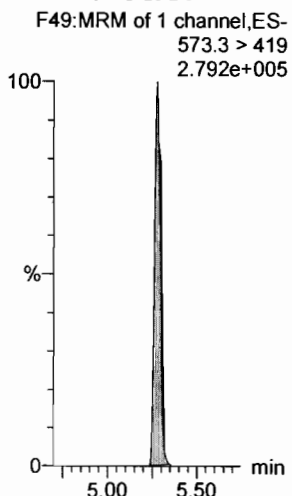
**13C2-PFDA**



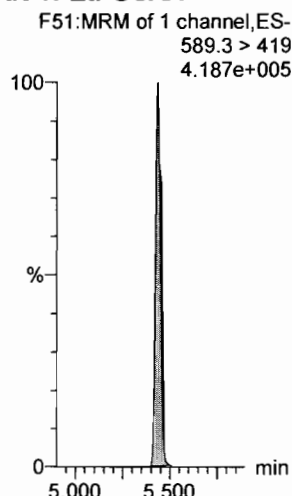
**13C2-8:2 FTS**



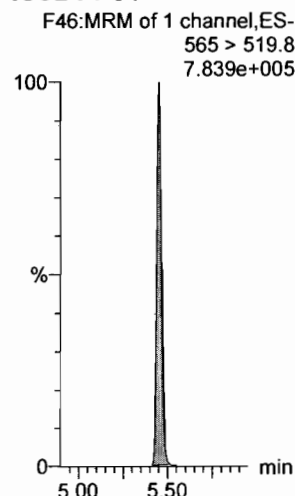
**d3-N-MeFOSAA**



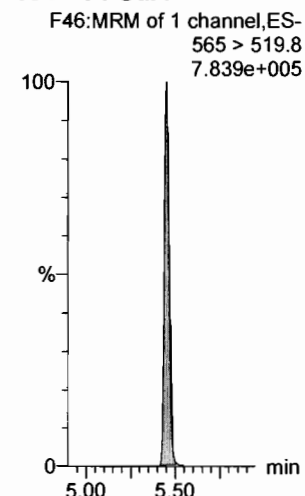
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



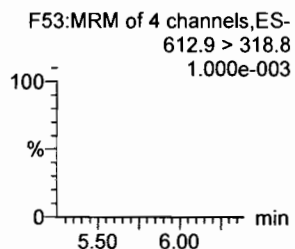
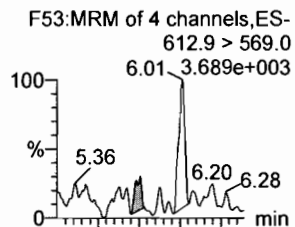
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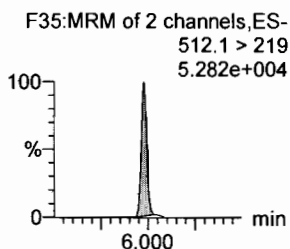
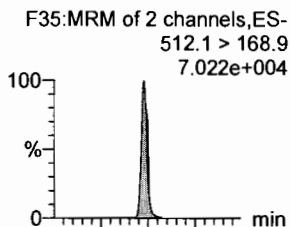
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Name: 180307M2\_5, Date: 08-Mar-2018, Time: 08:16:12, ID: ST180307M1-4 PFC CS1 18B2816, Description: PFC CS1 18B2816

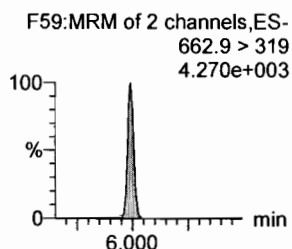
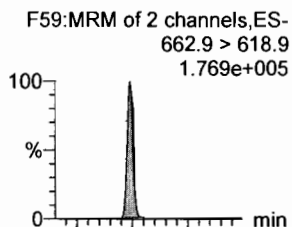
**PFDoA**



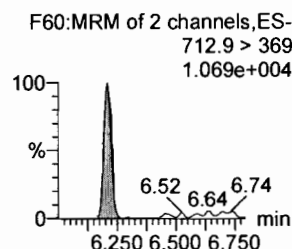
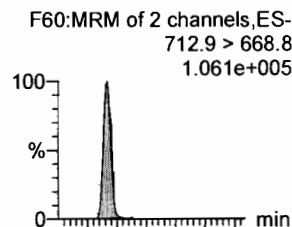
**N-MeFOSA**



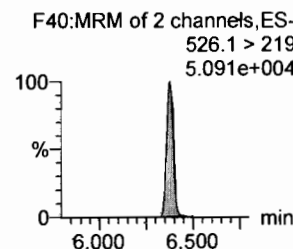
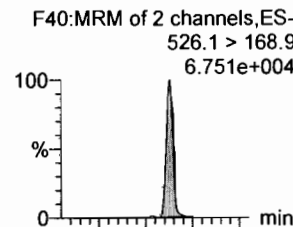
**PFTrDA**



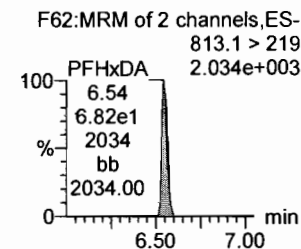
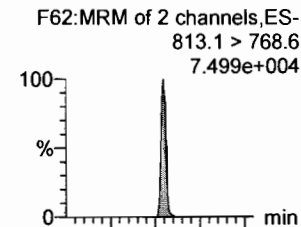
**PFTeDA**



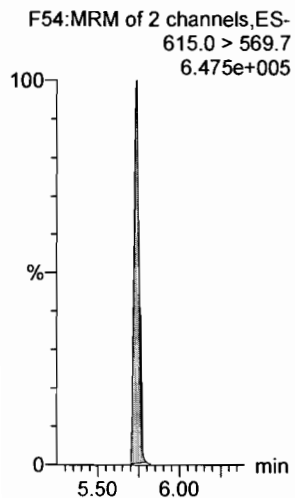
**N-EtFOSA**



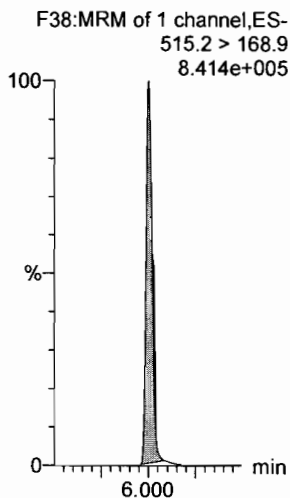
**PFHxDA**



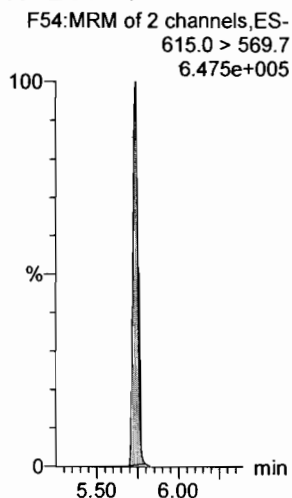
**13C2-PFDoA**



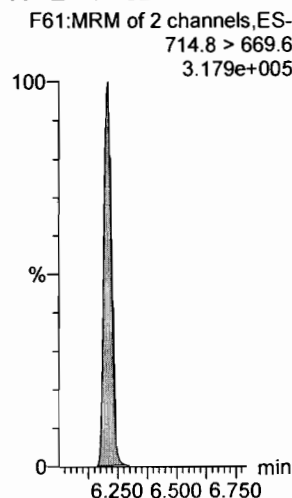
**d3-N-MeFOSA**



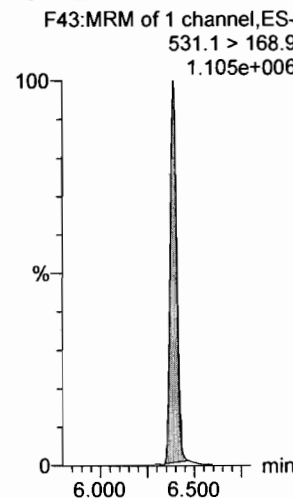
**13C2-PFTeDA**



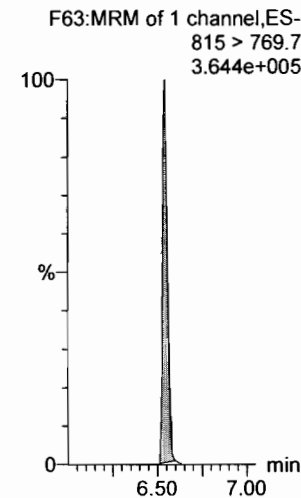
**13C2-PFTeDA**



**d5-N-ETFOSA**



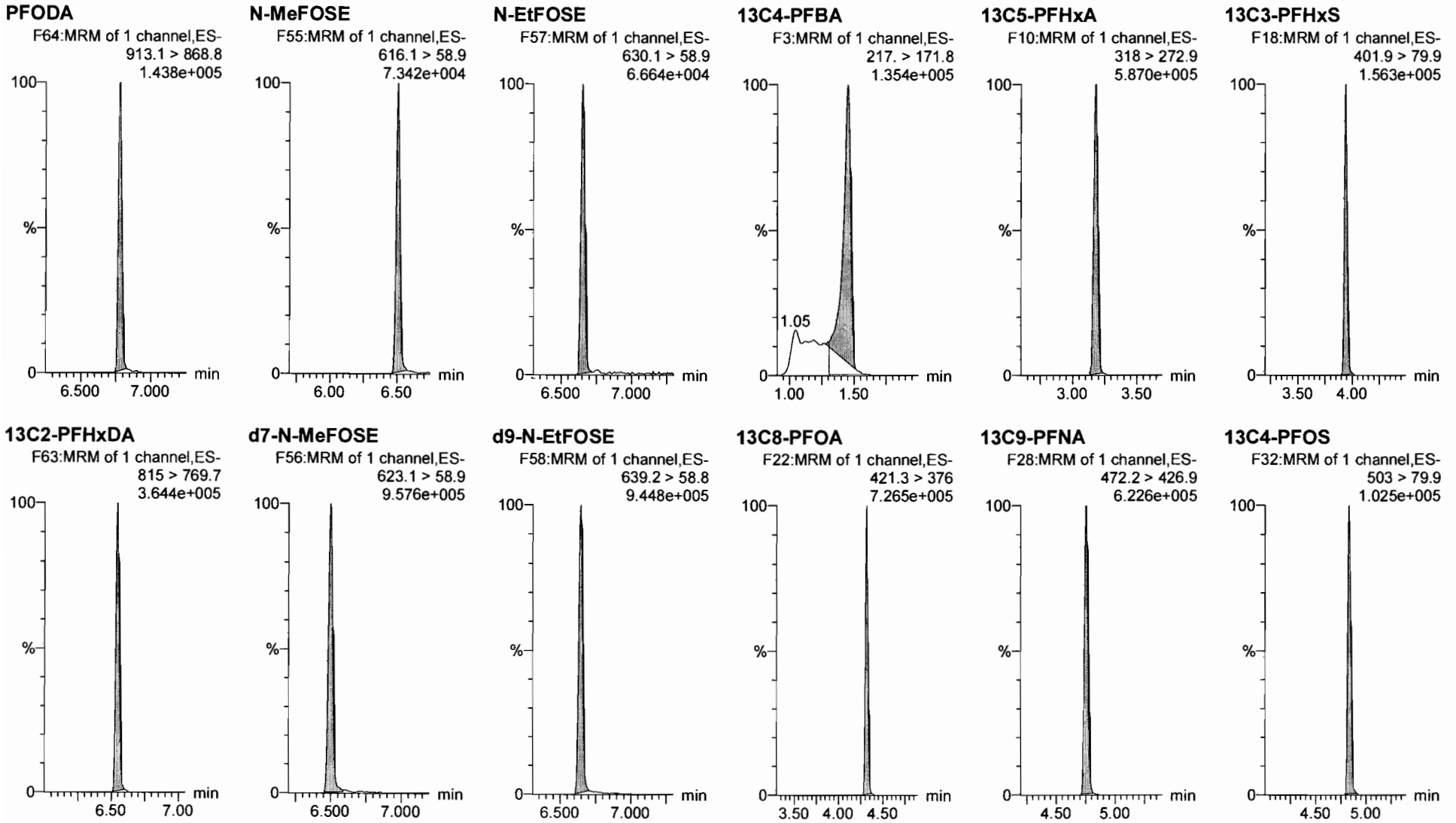
**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
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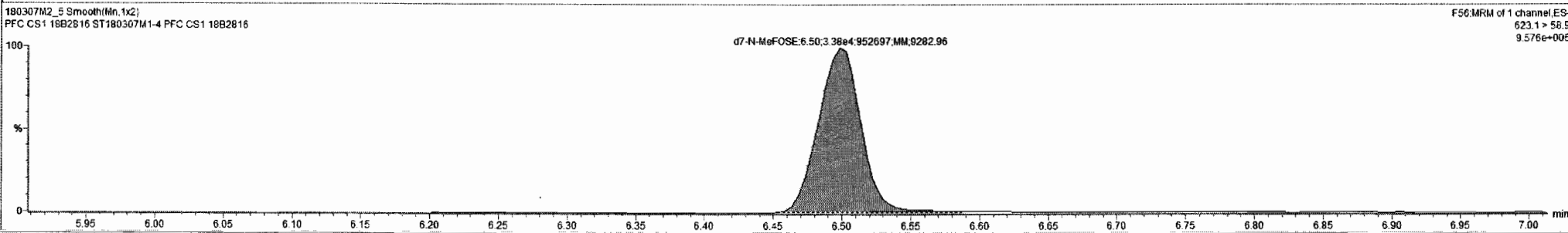
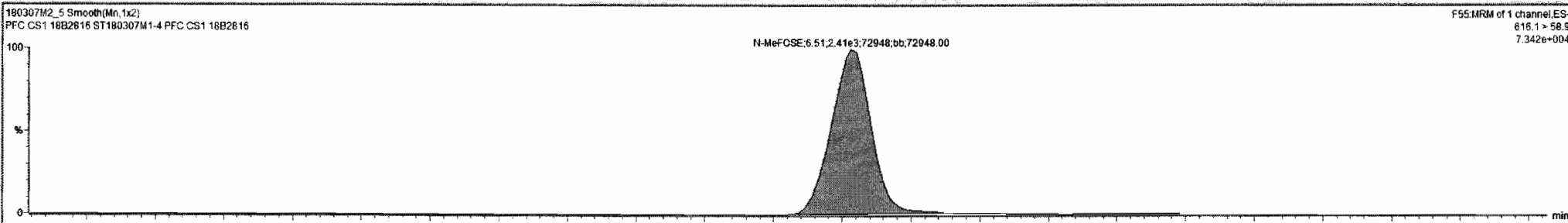
Name: 180307M2\_5, Date: 08-Mar-2018, Time: 08:16:12, ID: ST180307M1-4 PFC CS1 18B2816, Description: PFC CS1 18B2816





N-MeFOSE

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Primary Flag	Conc	%Dev	Acq.D.	Acq.TL	Cal Date	%Rec	RRF	Division
1	180307M2_2	Standard	1.250	6.51	237.013	39005.652	0.911	bb	0.3	-77.2	06-Mar...	07:41:47	09/Mar...	22.8	0.729	1.0
2	180307M2_3	Standard	2.500	6.51	553.383	39011.109	2.128	bb	1.8	-27.9	08-Mar...	07:53:13	09/Mar...	72.1	0.851	1.0
3	180307M2_4	Standard	5.000	6.51	1264.549	34824.887	5.447	bb	5.9	18.8	08-Mar...	08:04:42	09/Mar...	118.8	1.089	1.0
4	180307M2_5	Standard	10.000	6.51	2406.220	83766.287	10.697	bb	12.5	24.8	08-Mar...	08:16:12	09/Mar...	124.8	1.070	1.0
5	180307M2_6	Standard	25.000	6.51	5310.190	33783.949	23.577	bb	28.5	14.2	08-Mar...	08:27:42	09/Mar...	114.2	0.943	1.0
6	180307M2_7	Standard	50.000	6.51	9153.002	28439.365	48.276	MM	59.3	18.7	08-Mar...	08:39:12	09/Mar...	118.7	0.966	1.0
7	180307M2_8	Standard	250.000	6.51	62198.898	36806.313	253.485	bb	315.1	26.0	08-Mar...	08:50:42	09/Mar...	126.0	1.014	1.0
8	180307M2_9	Standard	500.000	6.51	104114.391	36876.336	423.501	MM	527.0	5.4	08-Mar...	09:02:11	09/Mar...	105.4	0.847	1.0
9	180307M2_10	Standard	1250.000	6.51	221984.281	32206.184	1033.880	bb	1287.9	3.0	08-Mar...	09:13:38	09/Mar...	103.0	0.827	1.0
10	180307M2_11	Standard	2500.000	6.51	434045.250	34443.641	1890.241	MM	2355.3	-5.8	08-Mar...	09:25:07	09/Mar...	94.2	0.756	1.0



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

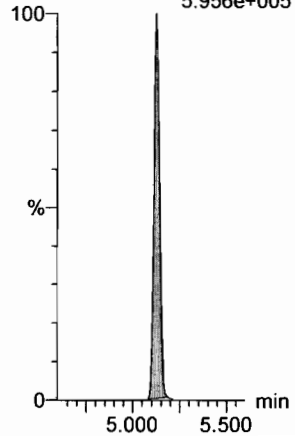
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_5, Date: 08-Mar-2018, Time: 08:16:12, ID: ST180307M1-4 PFC CS1 18B2816, Description: PFC CS1 18B2816

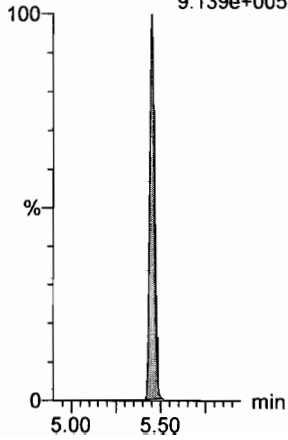
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
5.956e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
9.139e+005



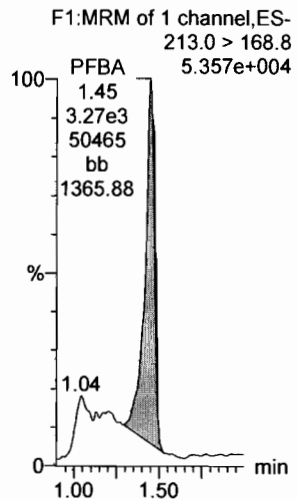
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

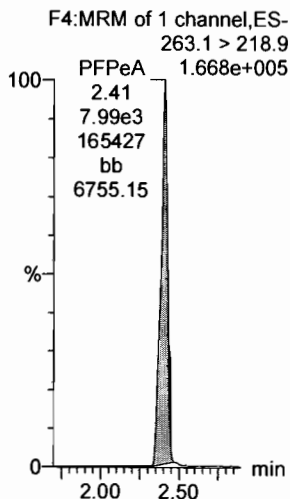
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_6, Date: 08-Mar-2018, Time: 08:27:42, ID: ST180307M1-5 PFC CS2 18B2817, Description: PFC CS2 18B2817

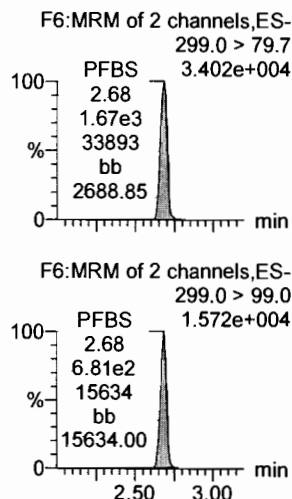
**PFBA**



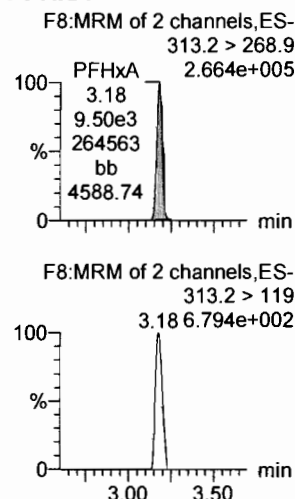
**PFPeA**



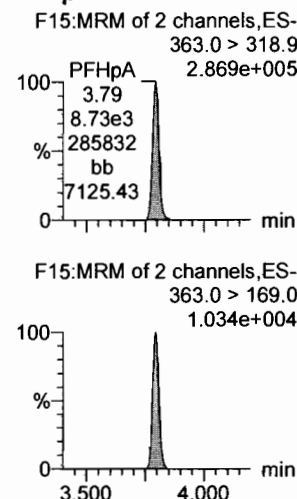
**PFBS**



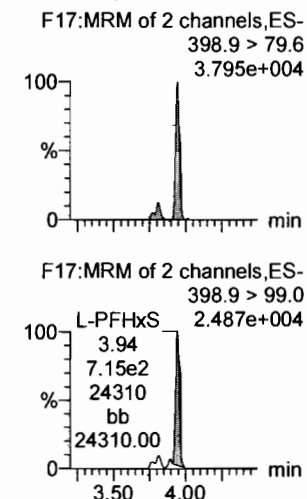
**PFHxA**



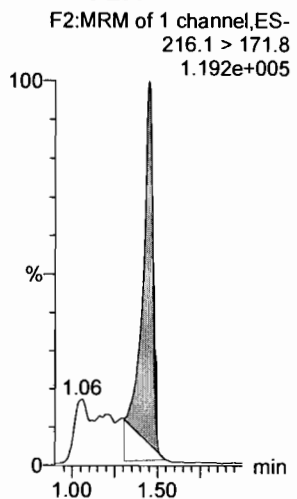
**PFHpA**



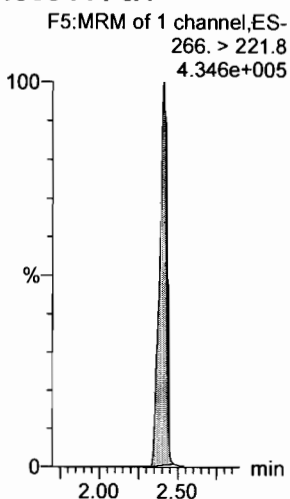
**L-PFHxS**



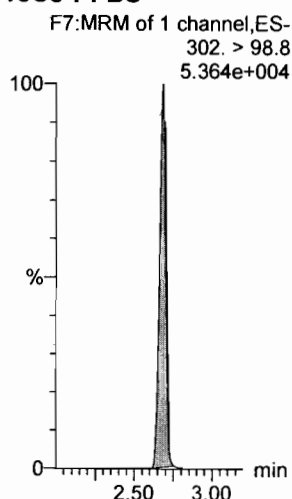
**13C3-PFBA**



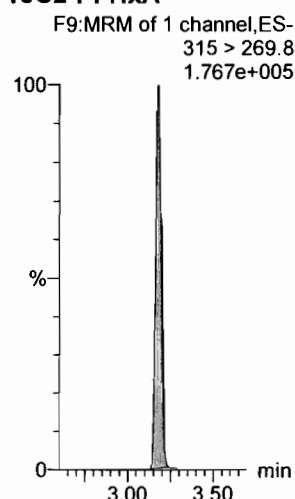
**13C3-PFPeA**



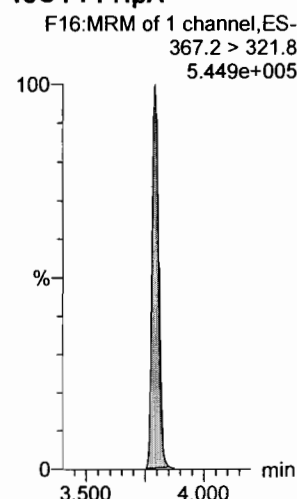
**13C3-PFBS**



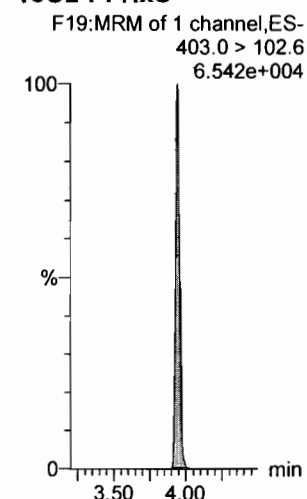
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

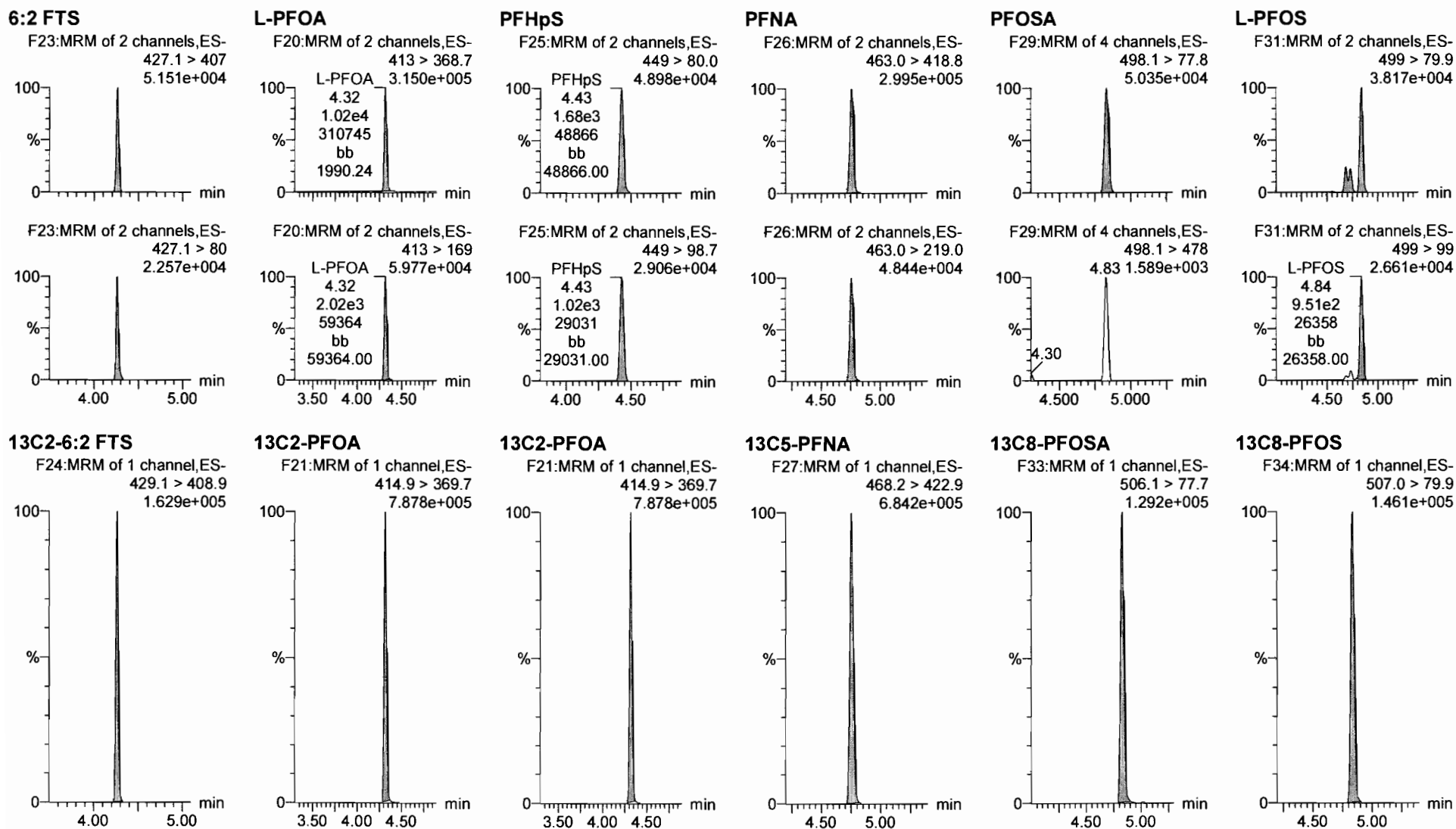


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_6, Date: 08-Mar-2018, Time: 08:27:42, ID: ST180307M1-5 PFC CS2 18B2817, Description: PFC CS2 18B2817



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

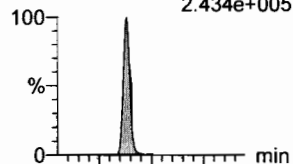
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

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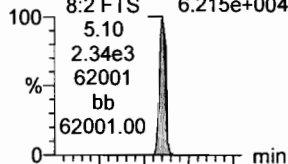
**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
2.434e+005



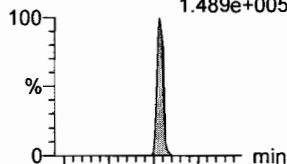
**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
6.215e+004



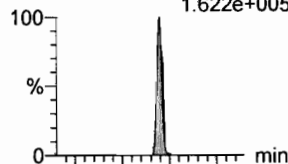
**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.489e+005



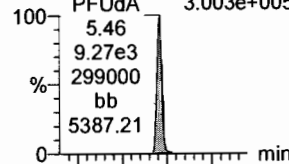
**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.622e+005



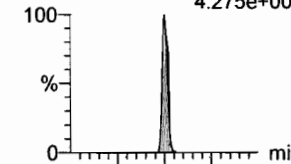
**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.003e+005

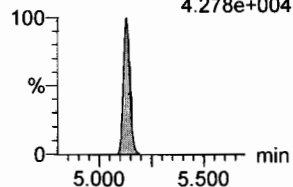


**PFDS**

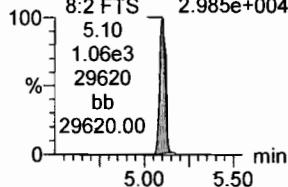
F52:MRM of 2 channels,ES-  
598.8 > 80  
4.275e+004



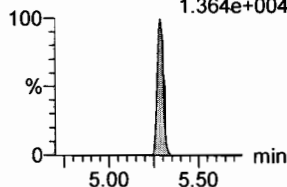
F36:MRM of 2 channels,ES-  
513 > 219  
4.278e+004



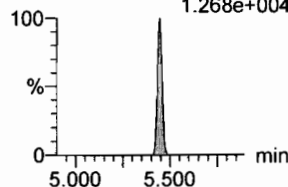
F41:MRM of 2 channels,ES-  
527 > 80  
2.985e+004



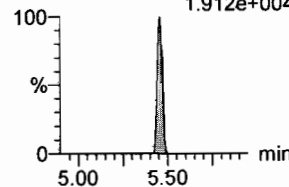
F47:MRM of 2 channels,ES-  
570.1 > 483.0  
1.364e+004



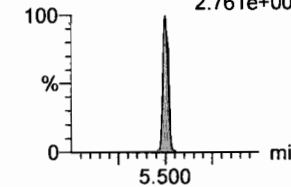
F50:MRM of 2 channels,ES-  
584.2 > 483.0  
1.268e+004



F45:MRM of 2 channels,ES-  
563.0 > 269  
1.912e+004

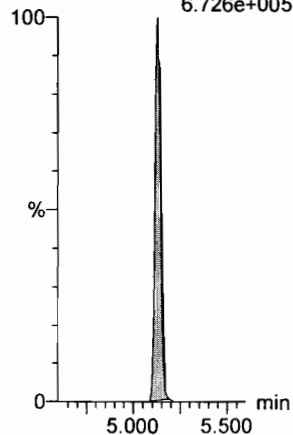


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
2.761e+004



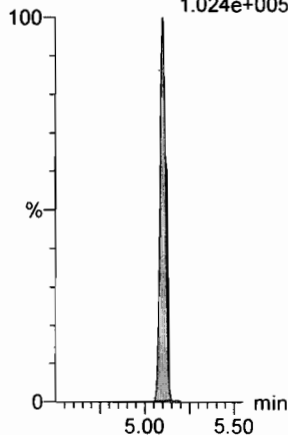
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
6.726e+005



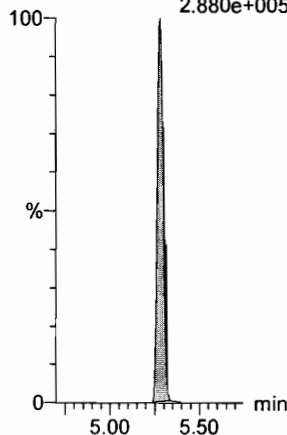
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.024e+005



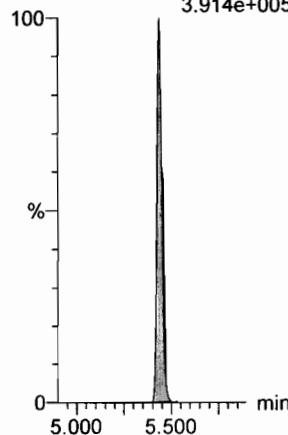
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.880e+005



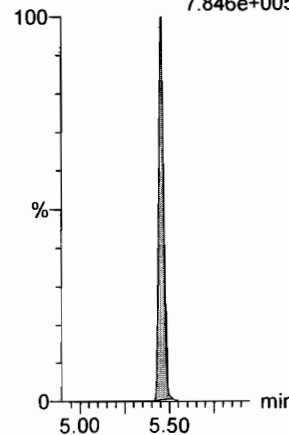
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.914e+005



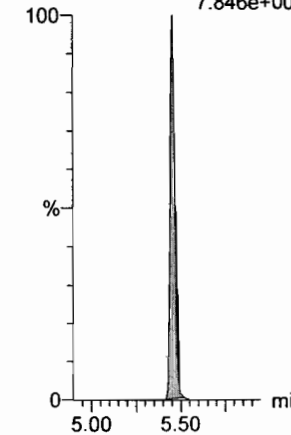
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
7.846e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
7.846e+005



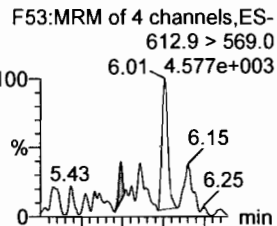
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

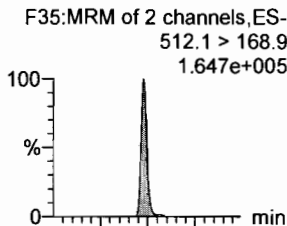
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Name: 180307M2\_6, Date: 08-Mar-2018, Time: 08:27:42, ID: ST180307M1-5 PFC CS2 18B2817, Description: PFC CS2 18B2817

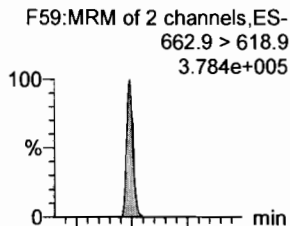
**PFDoA**



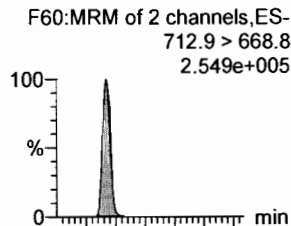
**N-MeFOSA**



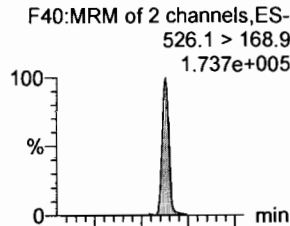
**PFTrDA**



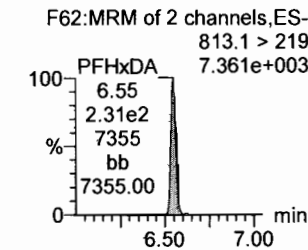
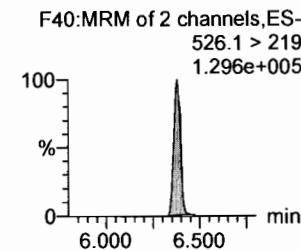
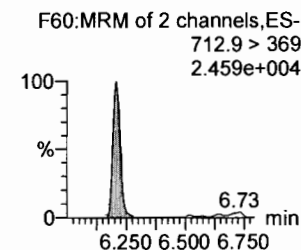
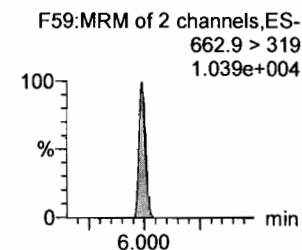
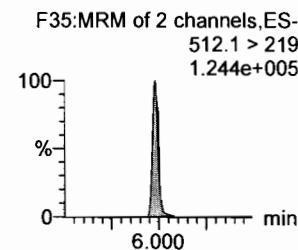
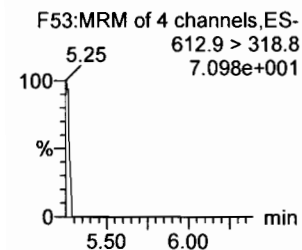
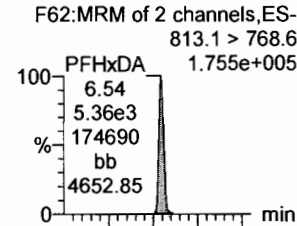
**PFTeDA**



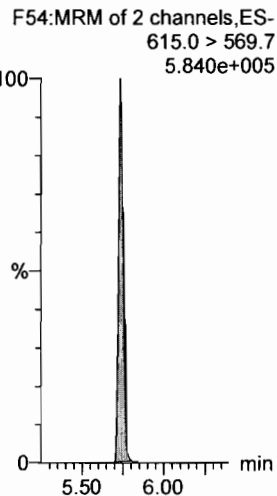
**N-EtFOSA**



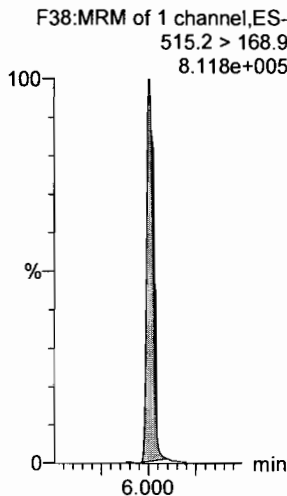
**PFHxDA**



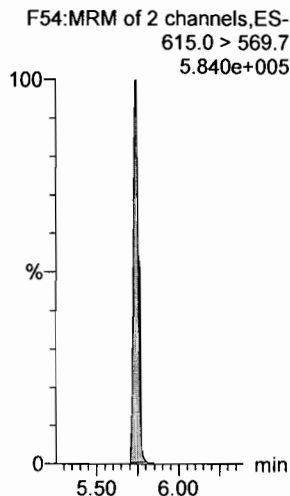
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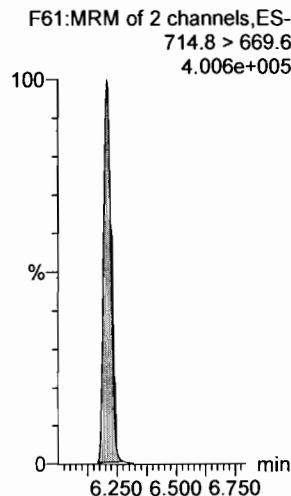
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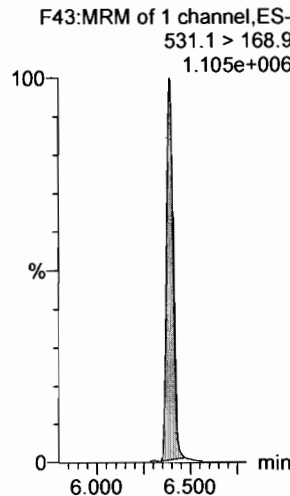
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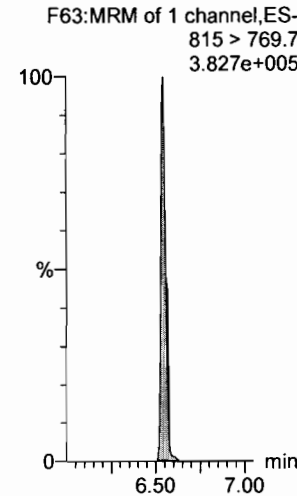
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**d5-N-ETFOSA**



**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

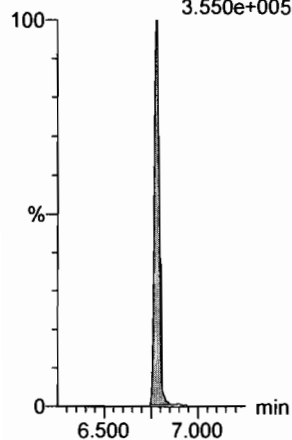
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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_6, Date: 08-Mar-2018, Time: 08:27:42, ID: ST180307M1-5 PFC CS2 18B2817, Description: PFC CS2 18B2817

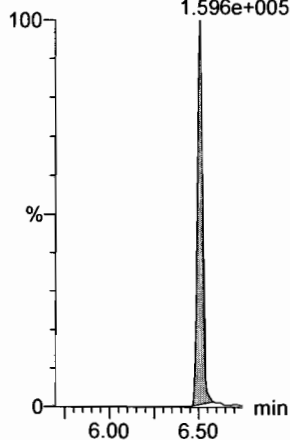
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
3.550e+005



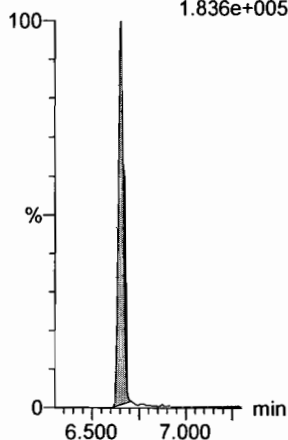
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
1.596e+005



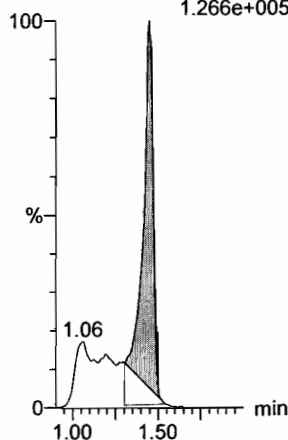
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
1.836e+005



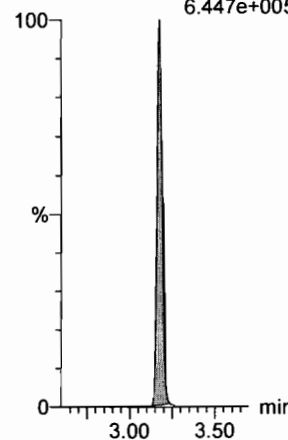
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.266e+005



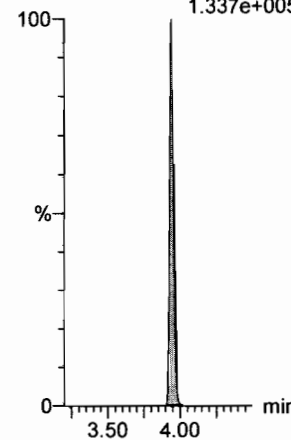
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
6.447e+005



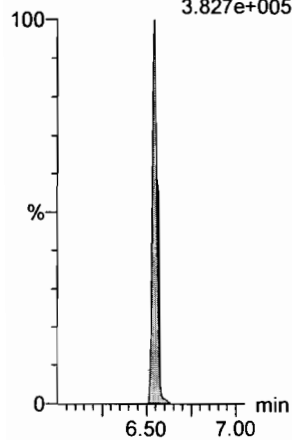
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.337e+005



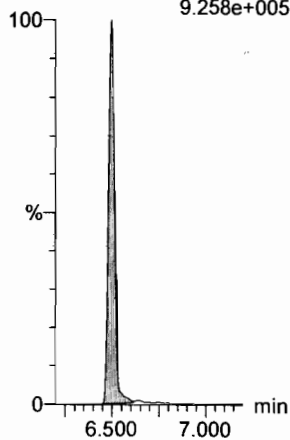
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
3.827e+005



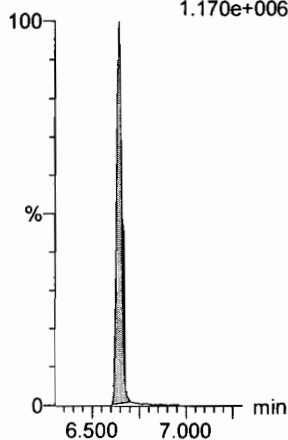
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
9.258e+005



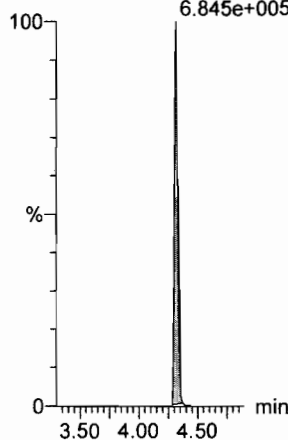
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.170e+006



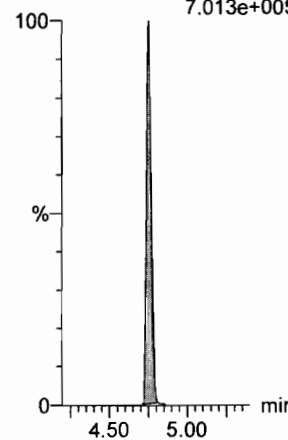
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
6.845e+005



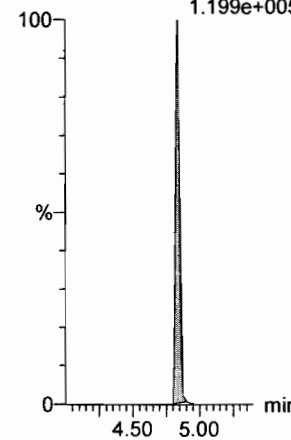
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
7.013e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.199e+005

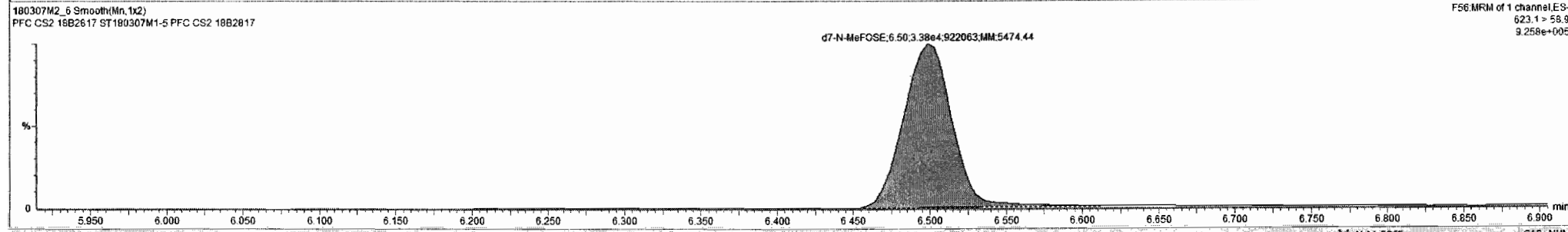
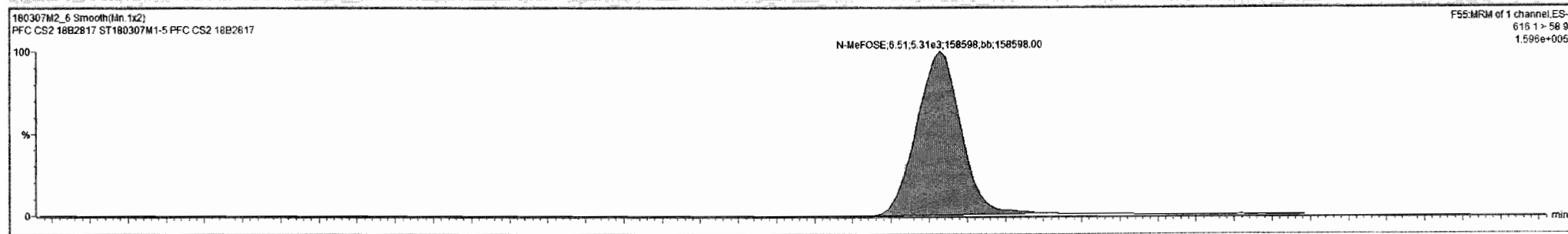


Targetlynx XS - 180307M2-CRV - [Chrometogram]

File Edit View Display Processing Window Help

N-MeFOSE

#	Name	Type	Std. Conc.	RT	Area	ISArea	Response	Primary Flags	Conc.	%Dev	Acq.D.	Acq.TI	Cal.Date	%Rec	RRF	Divisor
1	180307M2_2	Standard	1.250	6.51	237.013	39005.652	0.911	bb	0.3	-77.2	08-Mar...	07:41:47	09-Mar...	22.8	0.729	1.0
2	180307M2_3	Standard	2.500	6.51	553.383	39011.109	2.128	bb	1.8	-27.9	08-Mar...	07:53:13	09-Mar...	72.1	0.851	1.0
3	180307M2_4	Standard	5.000	6.51	1264.549	34824.687	5.447	bb	5.9	18.8	08-Mar...	08:04:42	09-Mar...	118.8	1.089	1.0
4	180307M2_5	Standard	10.000	6.51	2408.220	33768.207	10.697	bb	12.5	24.8	08-Mar...	08:16:12	09-Mar...	124.8	1.070	1.0
5	180307M2_6	Standard	25.000	6.51	5310.190	33763.949	23.577	bb	28.5	14.2	08-Mar...	08:27:42	09-Mar...	114.2	0.943	1.0
6	180307M2_7	Standard	50.000	6.51	9153.002	29438.365	48.276	MM	59.3	18.7	08-Mar...	08:39:12	09-Mar...	118.7	0.966	1.0
7	180307M2_8	Standard	250.000	6.51	62198.896	36806.313	253.485	bb	315.1	26.0	08-Mar...	08:50:42	09-Mar...	126.0	1.014	1.0
8	180307M2_9	Standard	500.000	6.51	104114.391	36876.336	423.501	MM	527.0	5.4	08-Mar...	09:02:11	09-Mar...	105.4	0.847	1.0
9	180307M2_10	Standard	1250.000	6.51	221984.281	32206.184	1033.890	bb	1287.9	3.0	08-Mar...	09:13:38	09-Mar...	103.0	0.827	1.0
10	180307M2_11	Standard	2500.000	6.51	434045.250	34443.641	1890.241	MM	2355.3	-5.8	08-Mar...	09:25:07	09-Mar...	94.2	0.756	1.0



Custom Reporting: Select reports to generate

N-MeFOSE CAP\_NUM



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

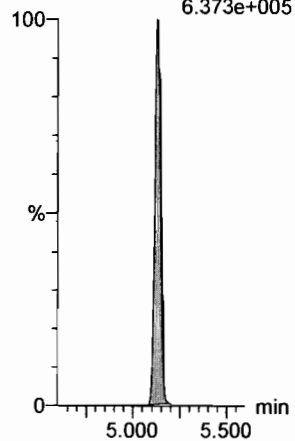
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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_6, Date: 08-Mar-2018, Time: 08:27:42, ID: ST180307M1-5 PFC CS2 18B2817, Description: PFC CS2 18B2817

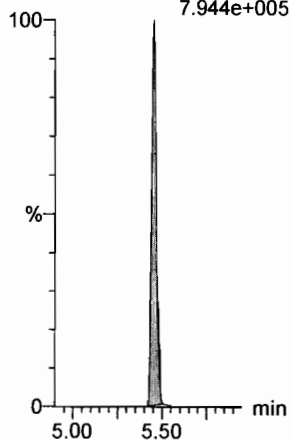
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.373e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
7.944e+005

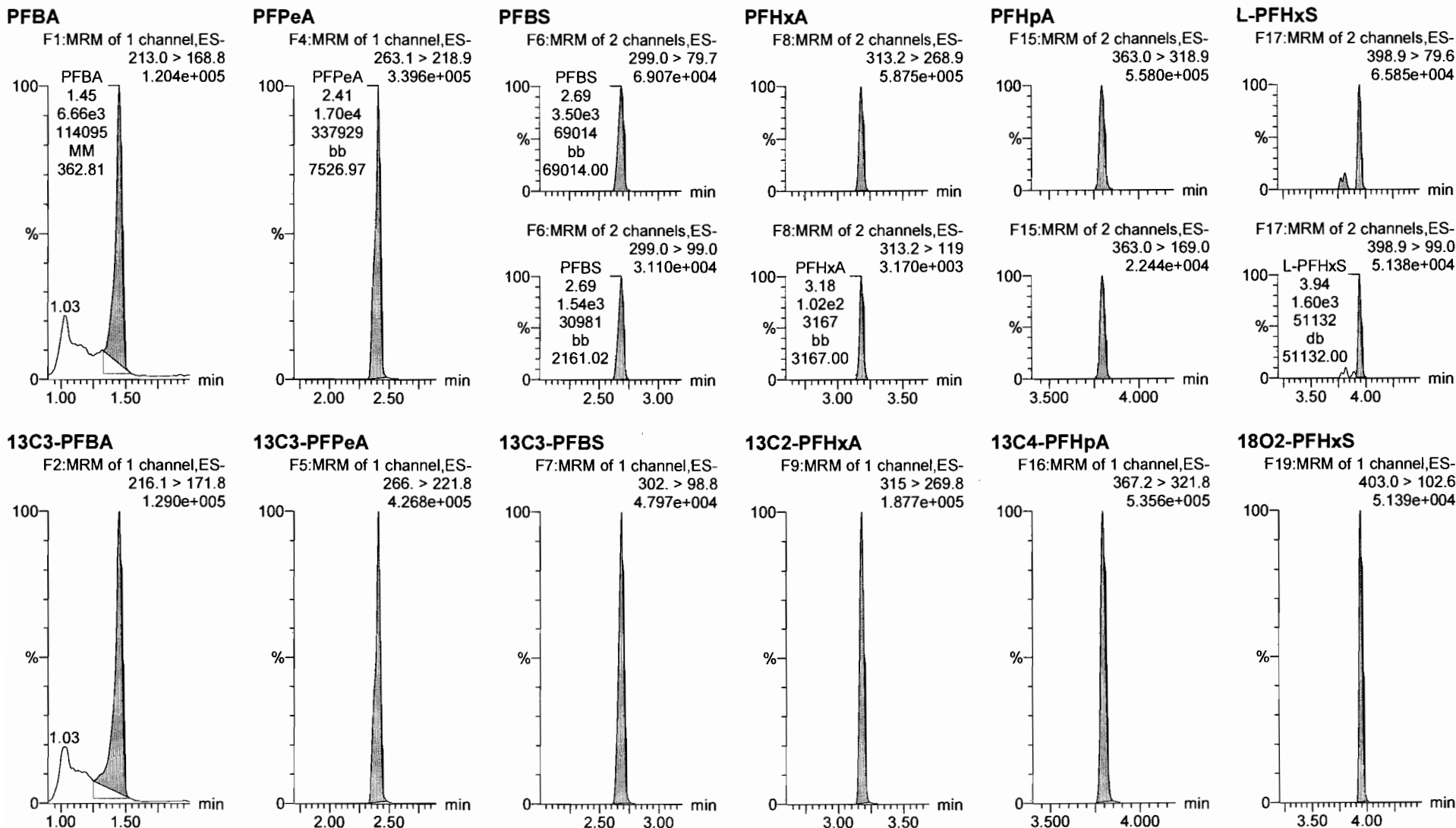


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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

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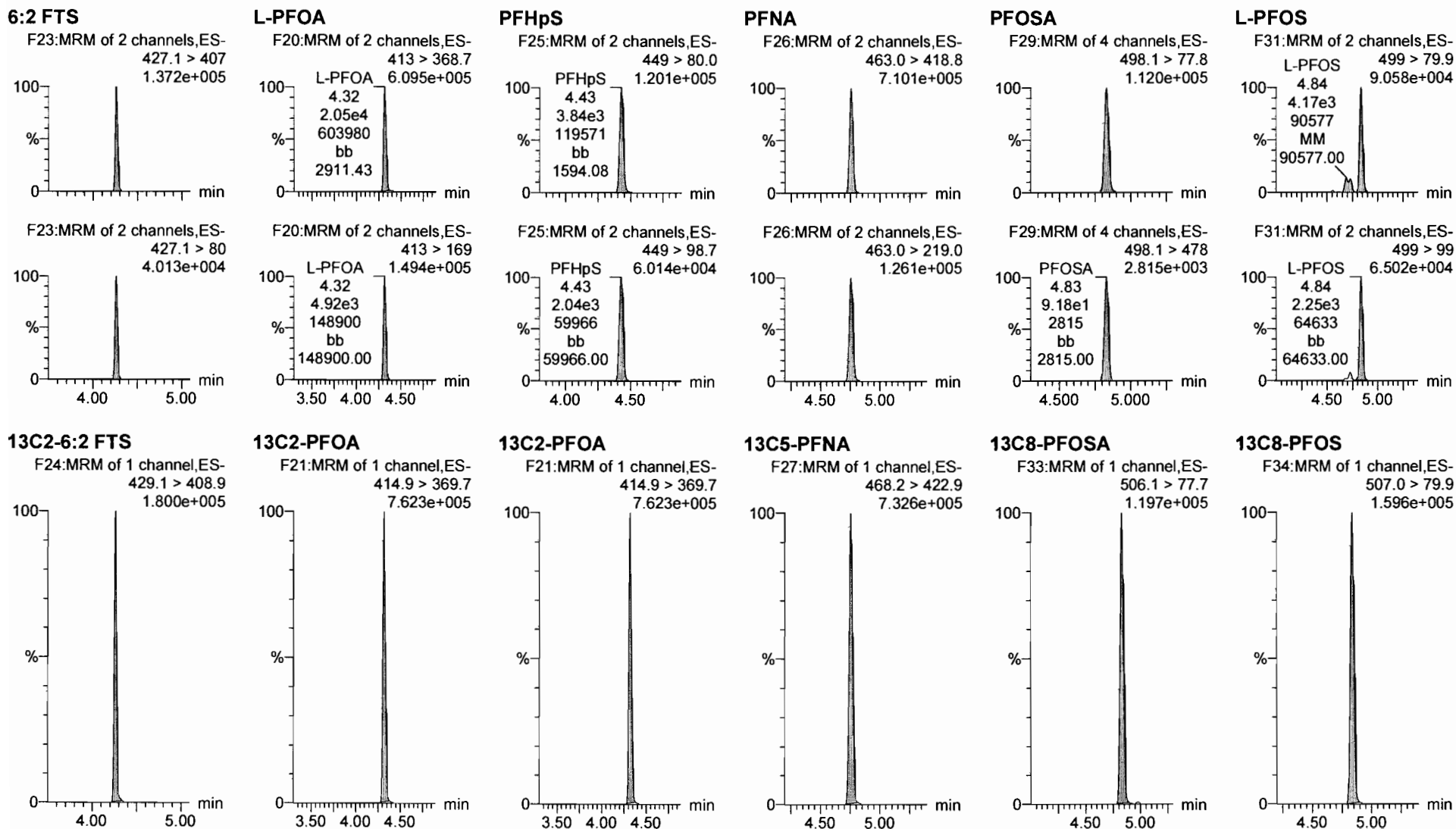


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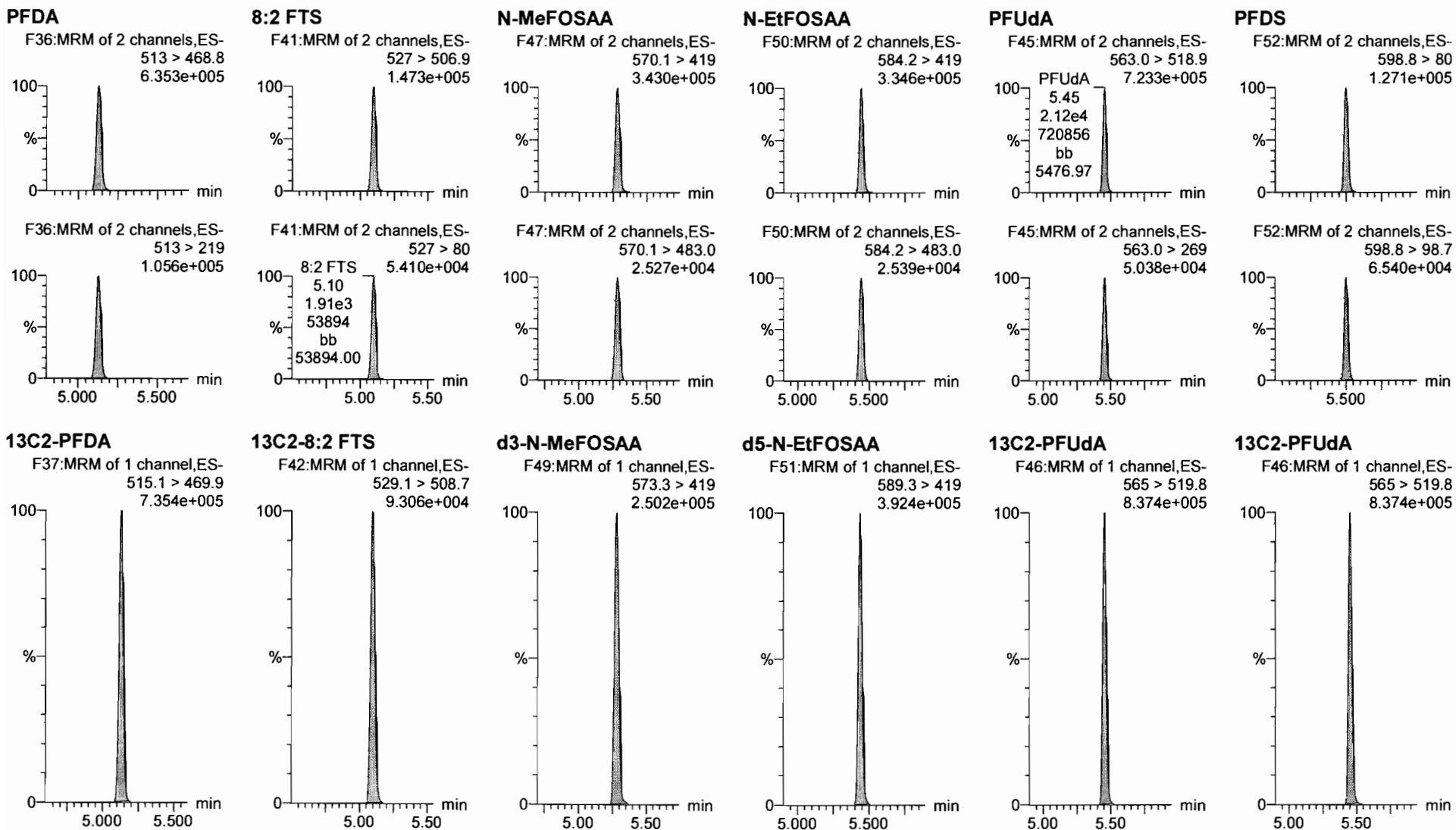


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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

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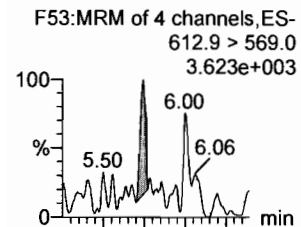
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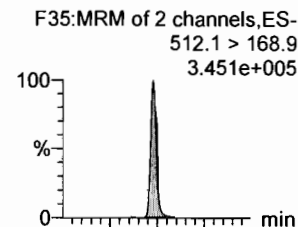
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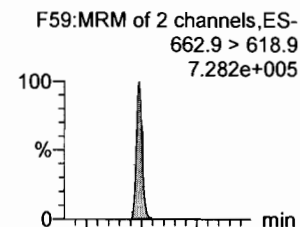
**PFDoA**



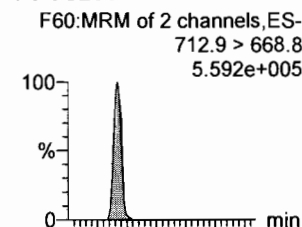
**N-MeFOSA**



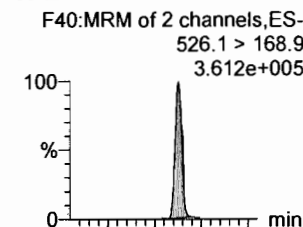
**PFTrDA**



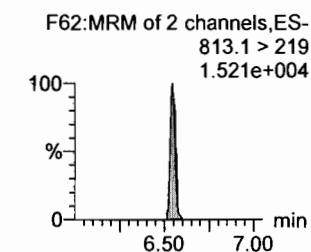
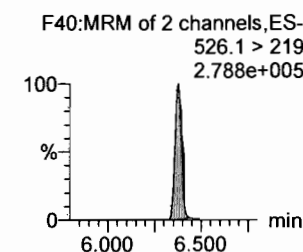
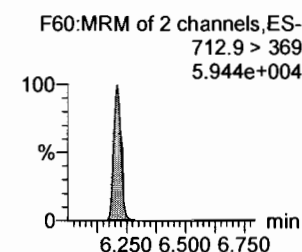
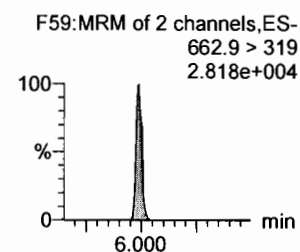
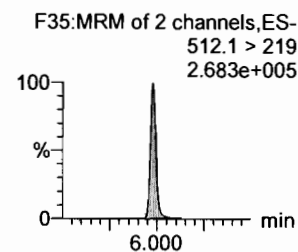
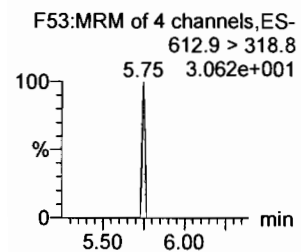
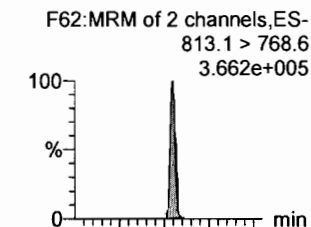
**PFTeDA**



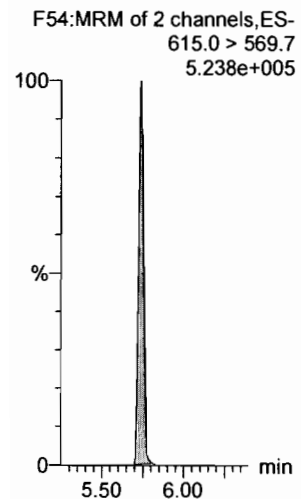
**N-EtFOSA**



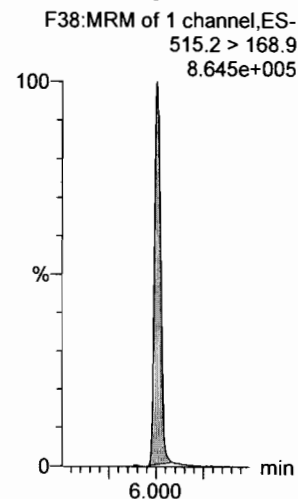
**PFHxDA**



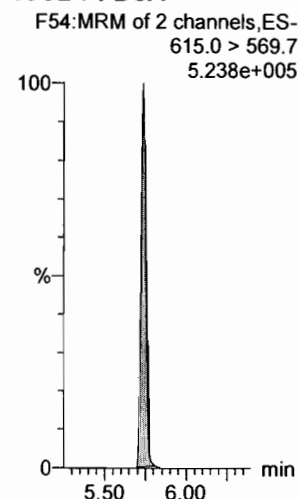
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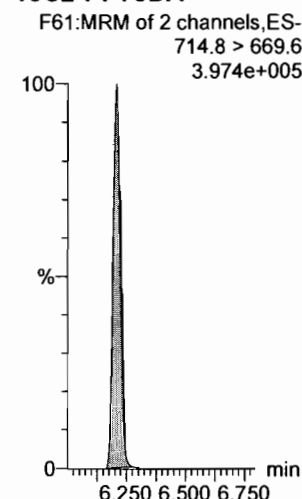
**d3-N-MeFOSA**



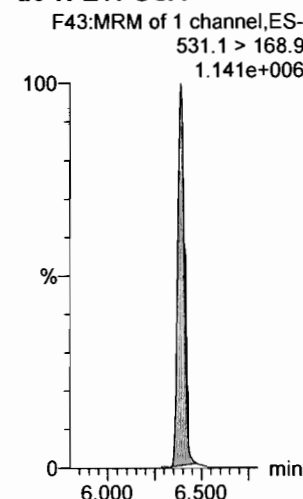
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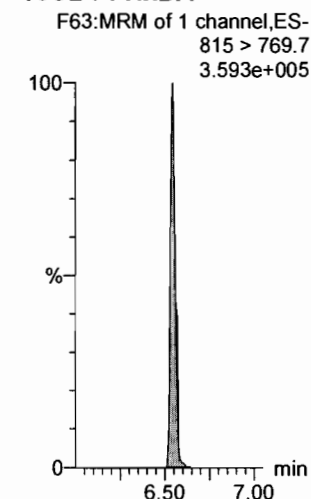
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

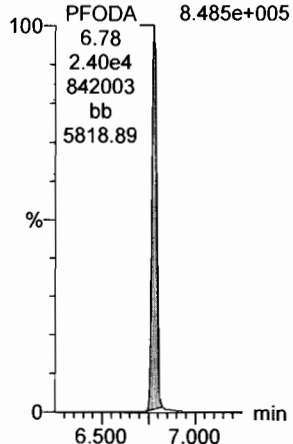
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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_7, Date: 08-Mar-2018, Time: 08:39:12, ID: ST180307M1-6 PFC CS3 18B2818, Description: PFC CS3 18B2818

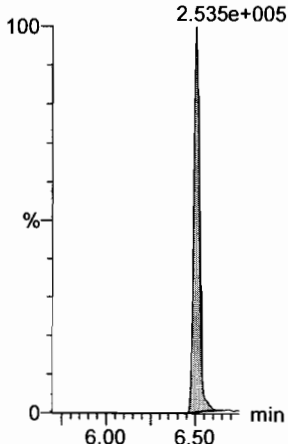
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
8.485e+005



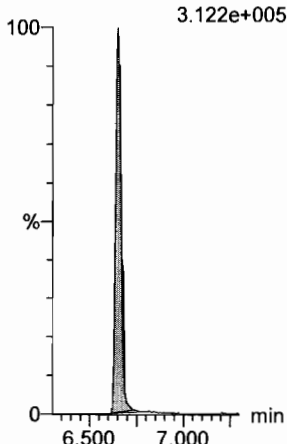
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
2.535e+005



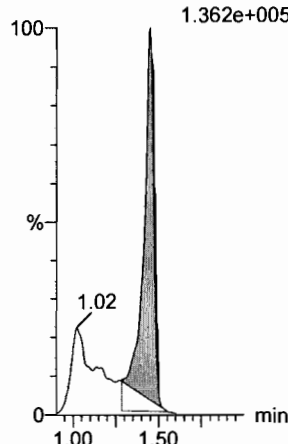
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
3.122e+005



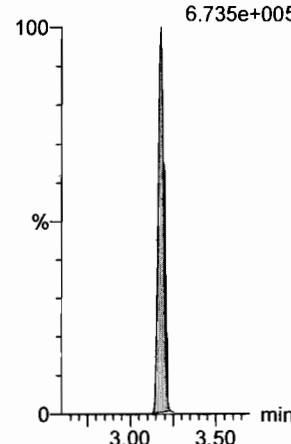
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.362e+005



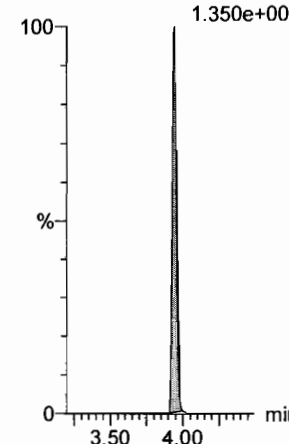
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
6.735e+005



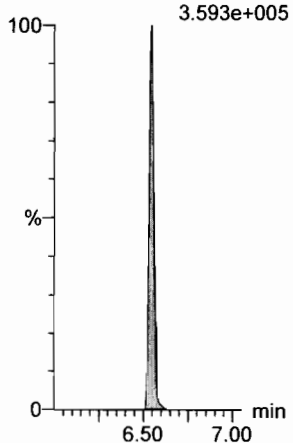
**13C3-PFHxA**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.350e+005



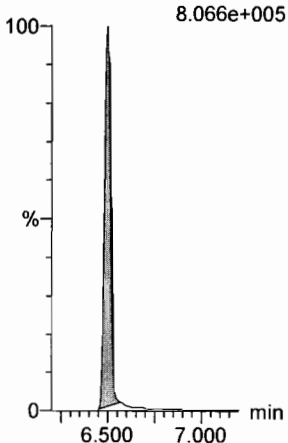
**13C2-PFHxA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
3.593e+005



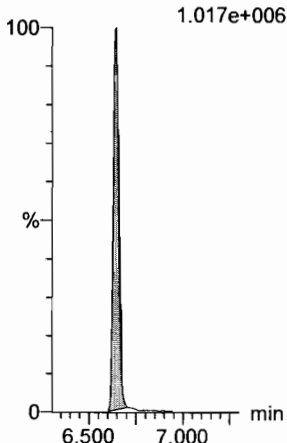
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
8.066e+005



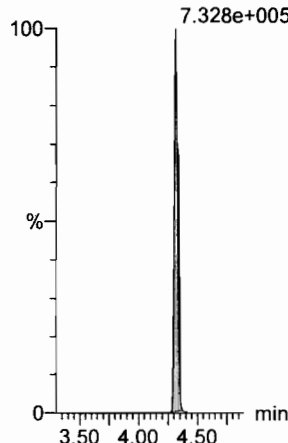
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.017e+006



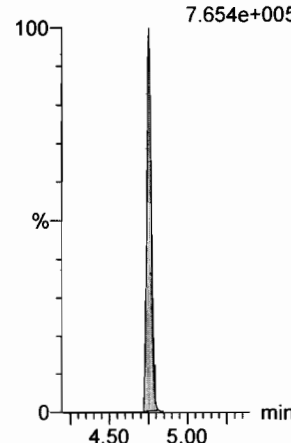
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
7.328e+005



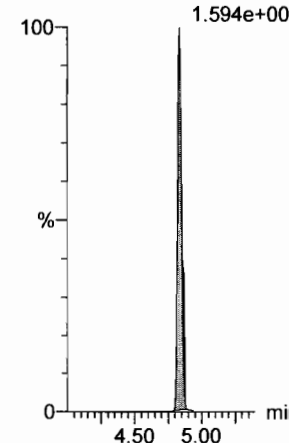
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
7.654e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.594e+005



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

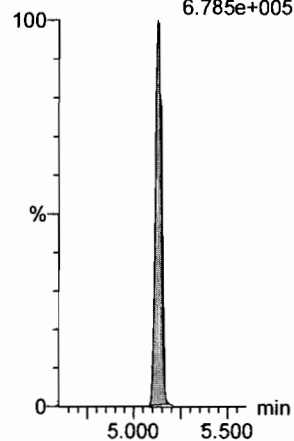
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_7, Date: 08-Mar-2018, Time: 08:39:12, ID: ST180307M1-6 PFC CS3 18B2818, Description: PFC CS3 18B2818

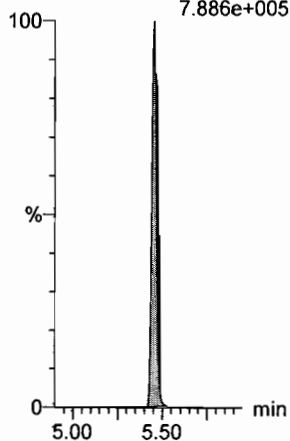
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.785e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
7.886e+005



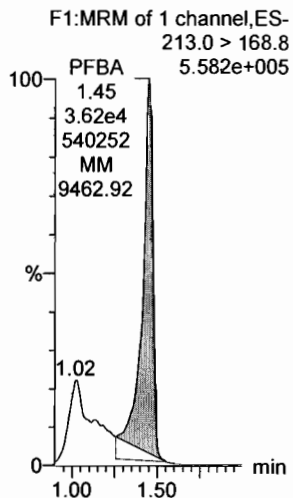
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

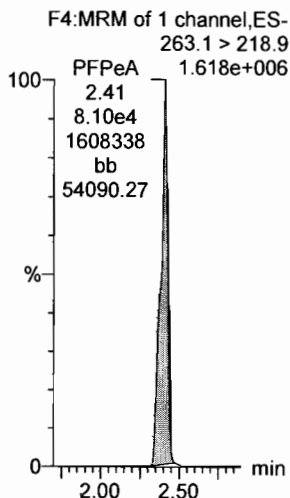
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819

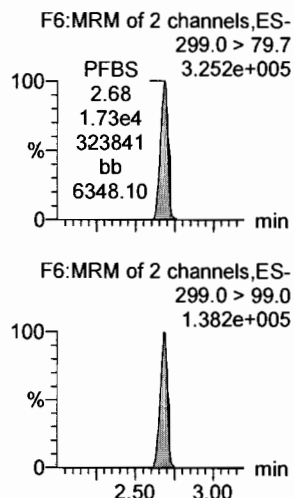
**PFBA**



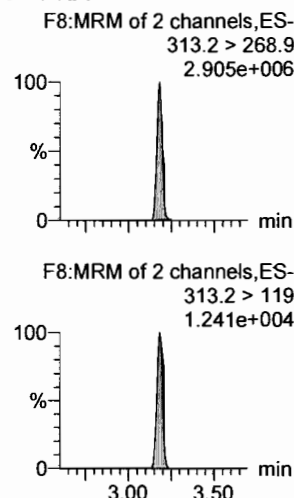
**PFPeA**



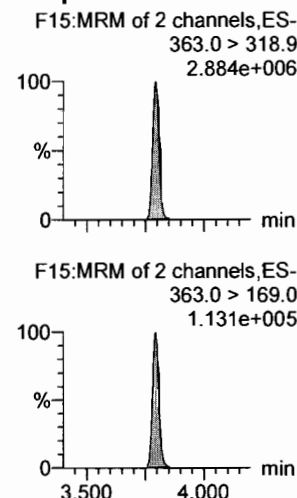
**PFBS**



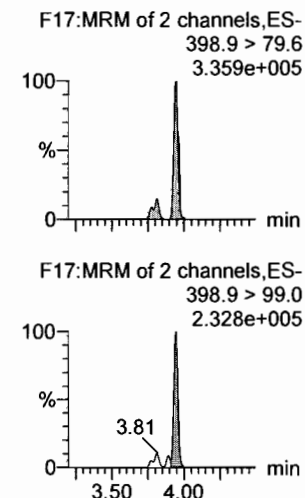
**PFHxA**



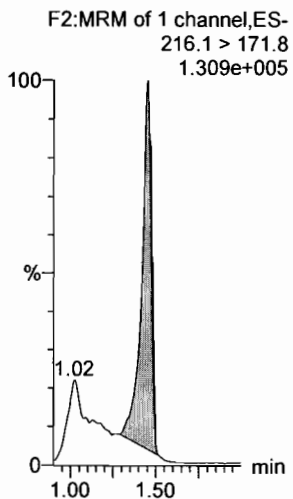
**PFHpA**



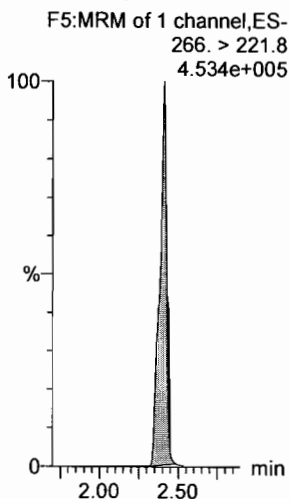
**L-PFHxS**



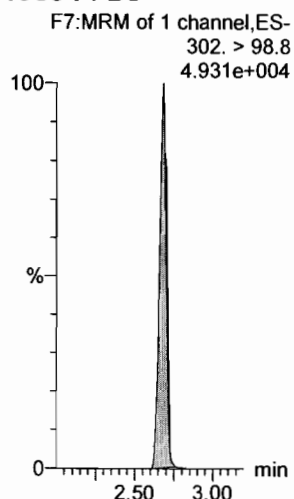
**13C3-PFBA**



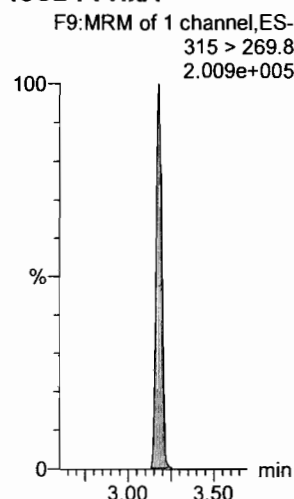
**13C3-PFPeA**



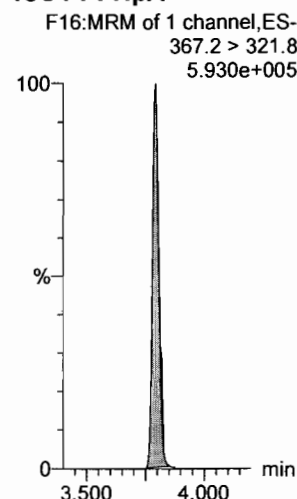
**13C3-PFBS**



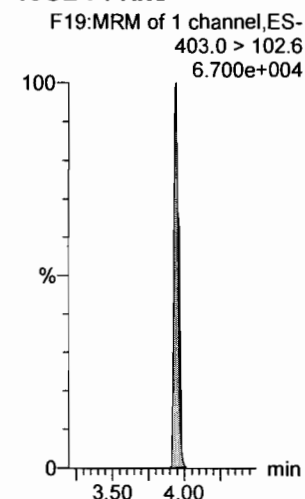
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



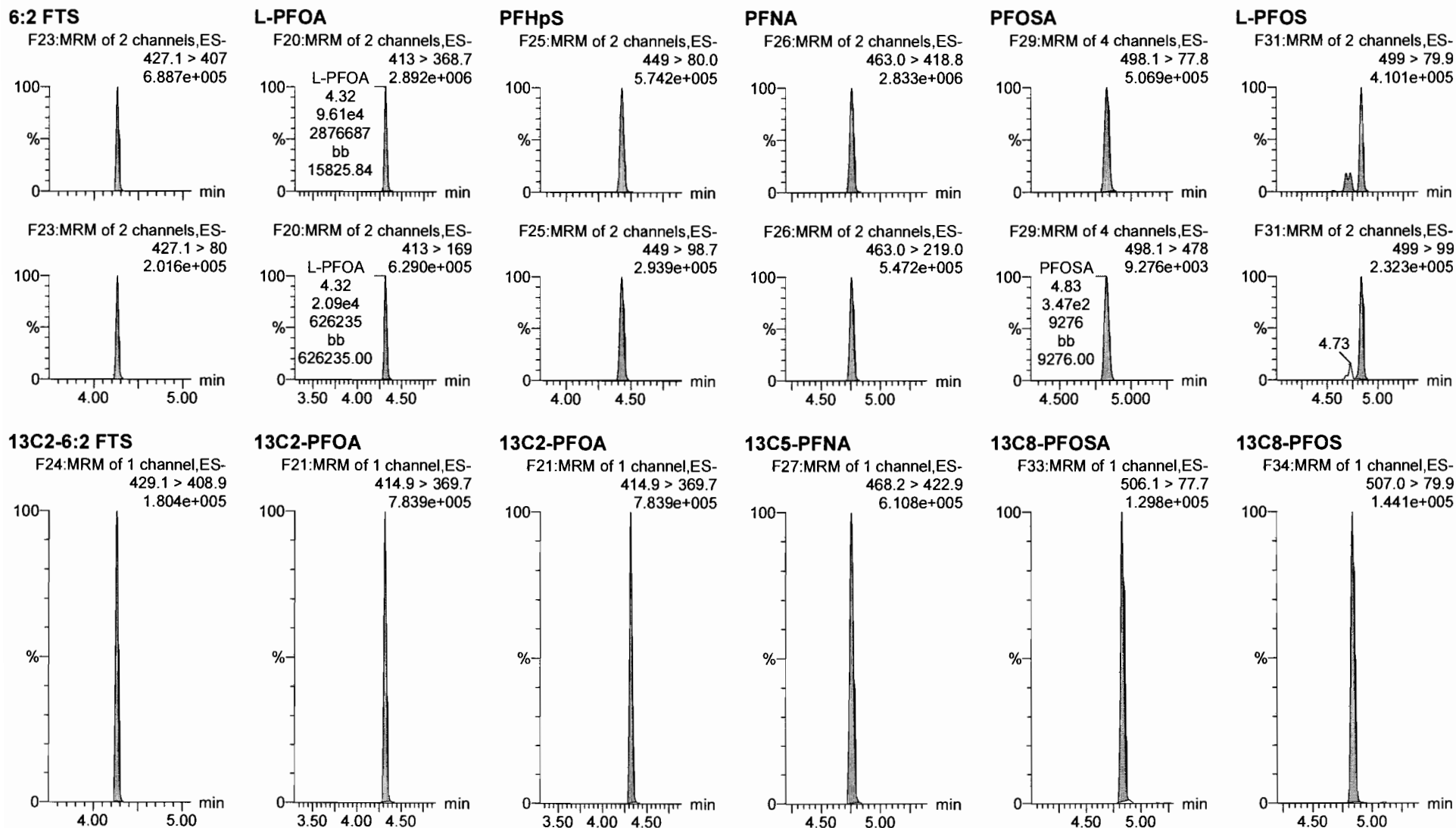


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

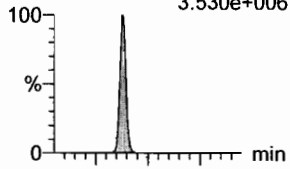
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

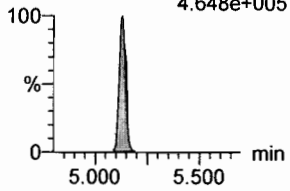
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**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
3.530e+006

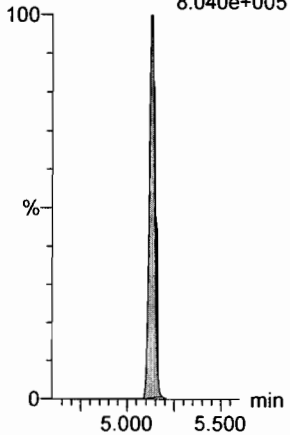


F36:MRM of 2 channels,ES-  
513 > 219  
4.648e+005



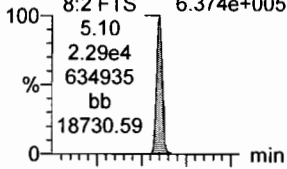
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.040e+005

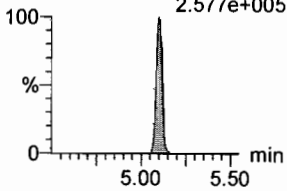


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
6.374e+005

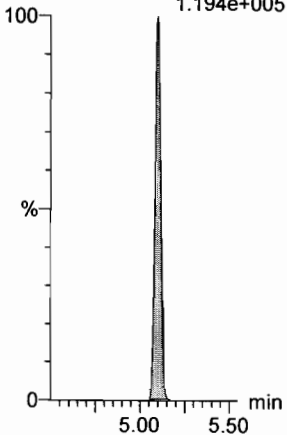


F41:MRM of 2 channels,ES-  
527 > 80  
2.577e+005



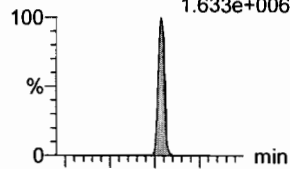
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.194e+005

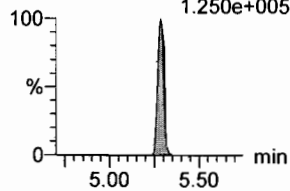


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.633e+006

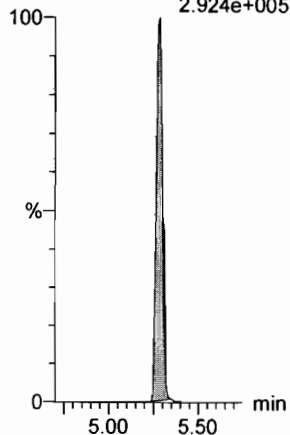


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
1.250e+005



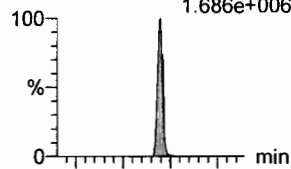
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.924e+005

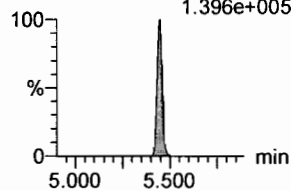


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.686e+006

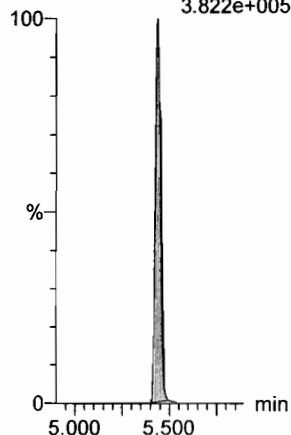


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
1.396e+005



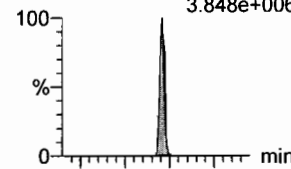
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.822e+005

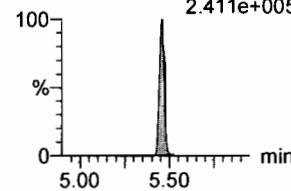


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.848e+006

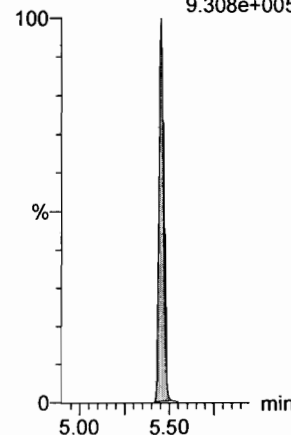


F45:MRM of 2 channels,ES-  
563.0 > 269  
2.411e+005



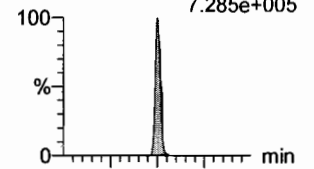
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.308e+005

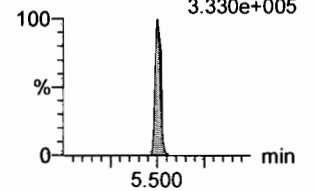


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
7.285e+005

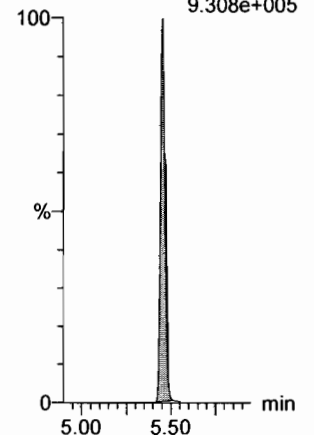


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
3.330e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.308e+005



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

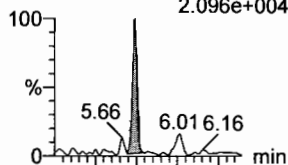
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

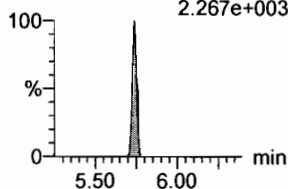
Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819

**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
2.096e+004

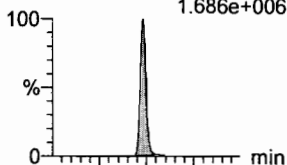


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
2.267e+003

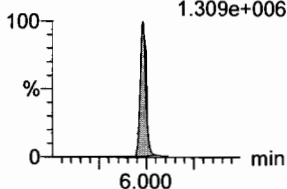


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
1.686e+006

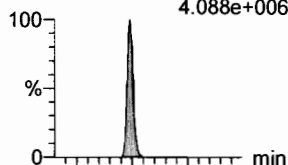


F35:MRM of 2 channels,ES-  
512.1 > 219  
1.309e+006

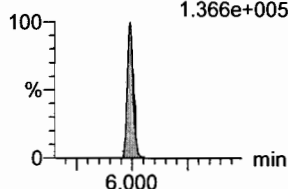


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
4.088e+006

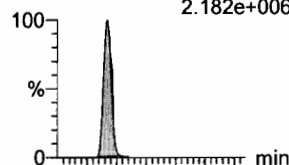


F59:MRM of 2 channels,ES-  
662.9 > 319  
1.366e+005

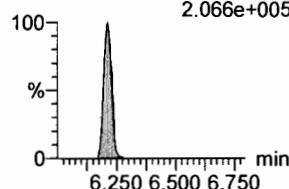


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
2.182e+006

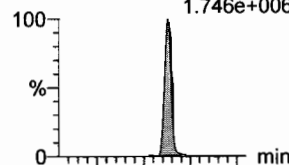


F60:MRM of 2 channels,ES-  
712.9 > 369  
2.066e+005

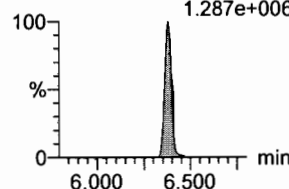


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
1.746e+006

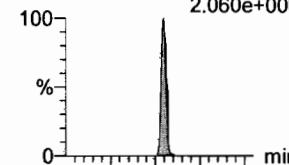


F40:MRM of 2 channels,ES-  
526.1 > 219  
1.287e+006

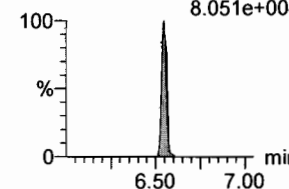


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
2.060e+006

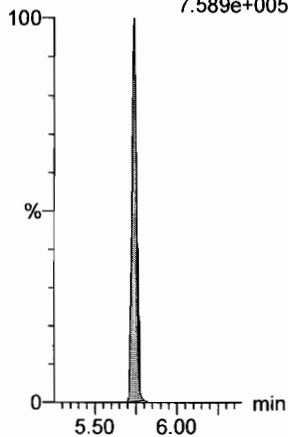


F62:MRM of 2 channels,ES-  
813.1 > 219  
8.051e+004



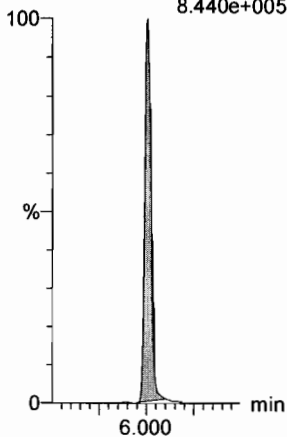
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
7.589e+005



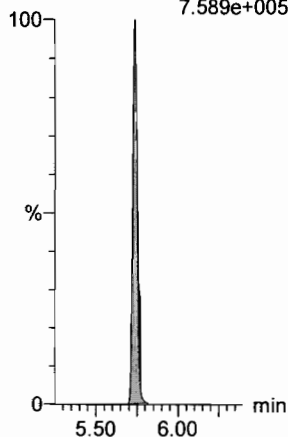
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.440e+005



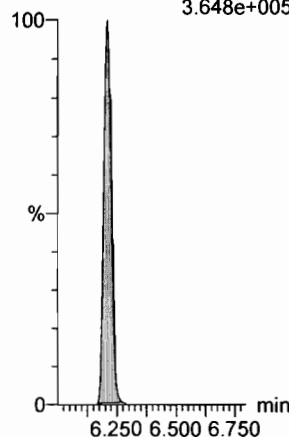
**13C2-PFTeDA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
7.589e+005



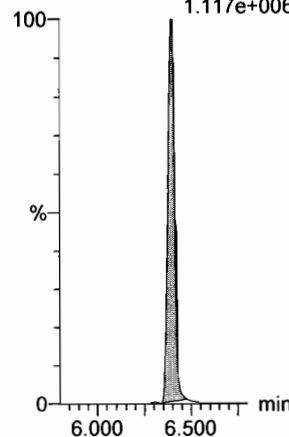
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
3.648e+005



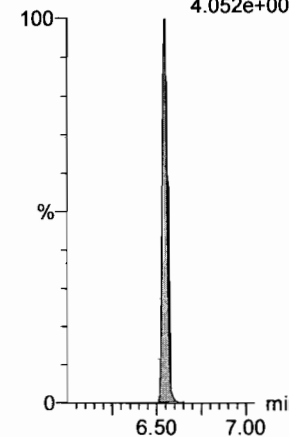
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.117e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
4.052e+005

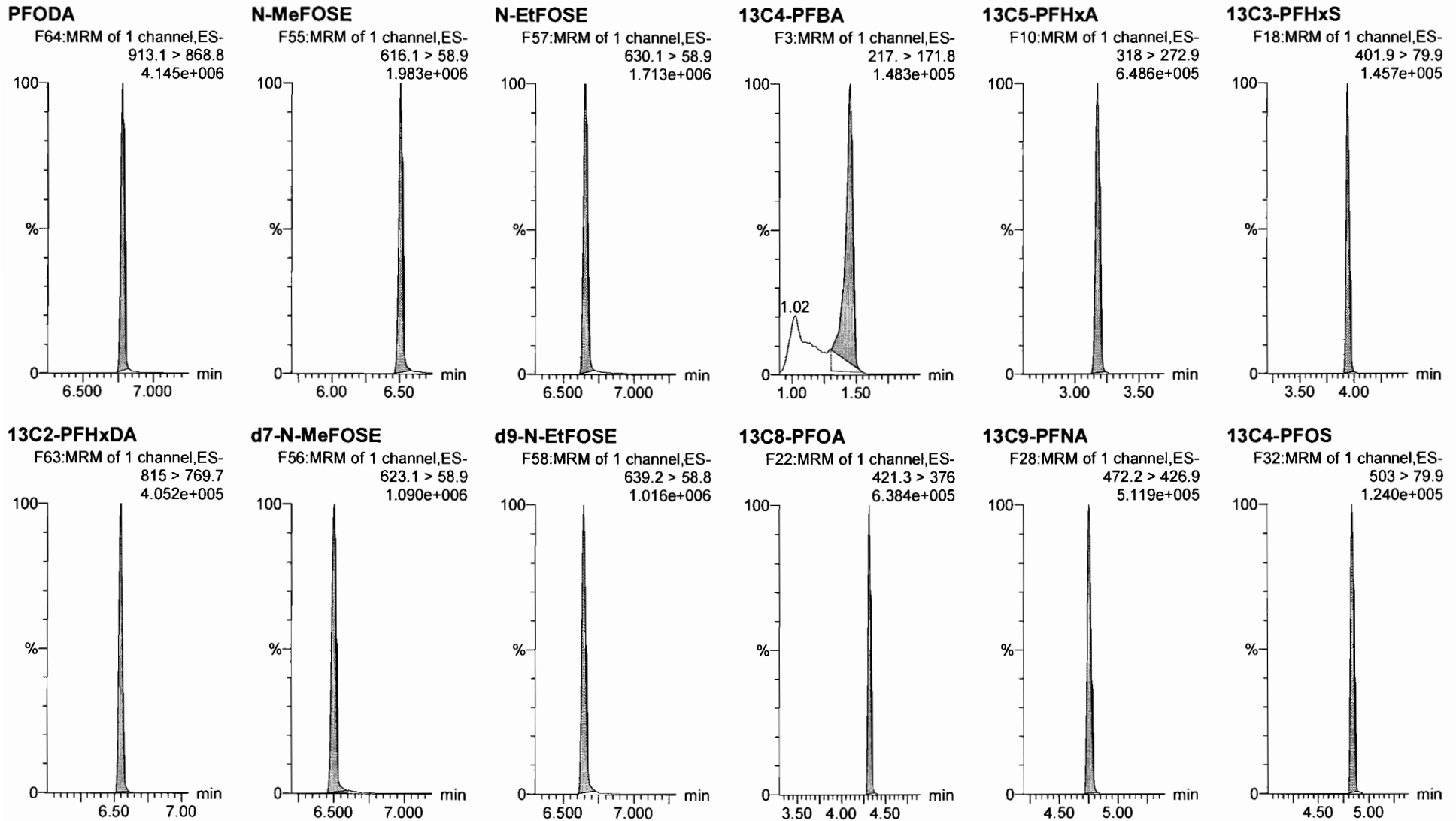


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819



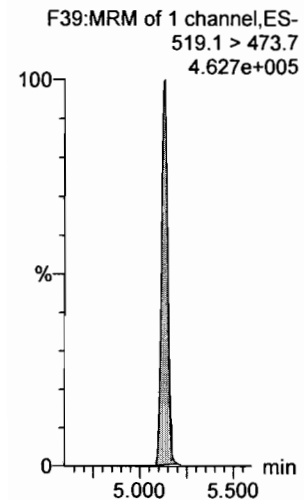
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

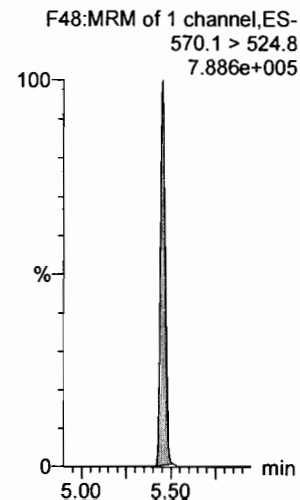
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Name: 180307M2\_8, Date: 08-Mar-2018, Time: 08:50:42, ID: ST180307M1-7 PFC CS4 18B2819, Description: PFC CS4 18B2819

13C6-PFDA



13C7-PFUdA



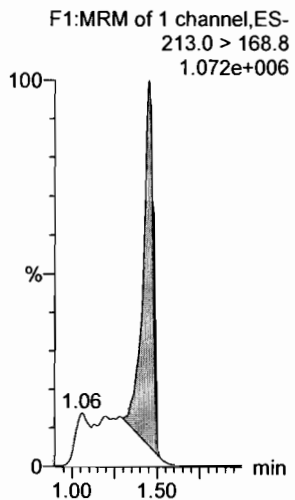
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

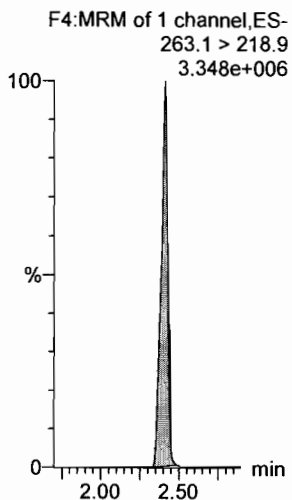
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Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

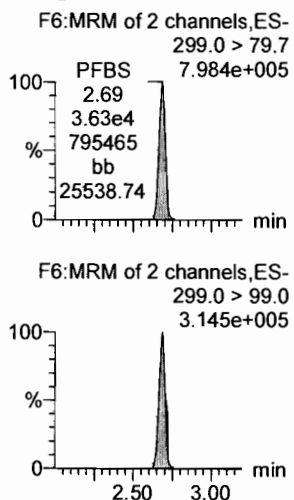
**PFBA**



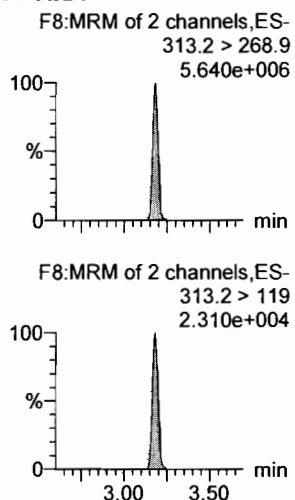
**PFPeA**



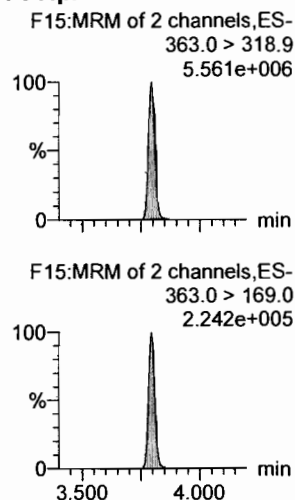
**PFBS**



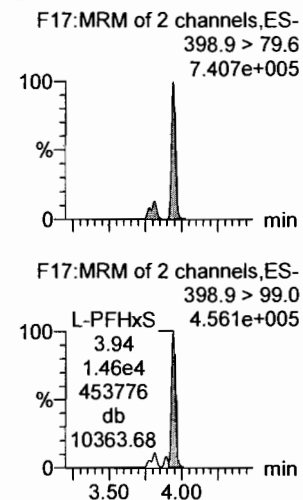
**PFHxA**



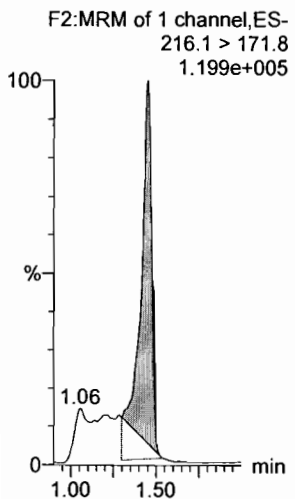
**PFHpA**



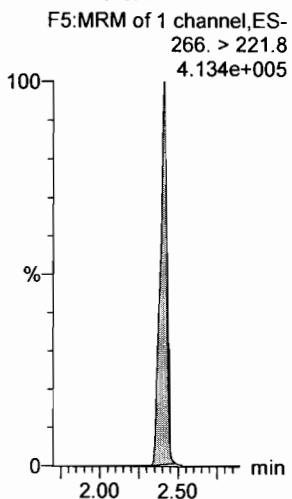
**L-PFHxS**



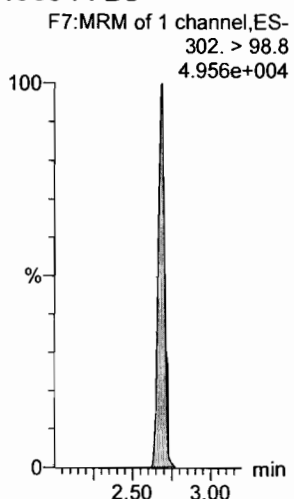
**13C3-PFBA**



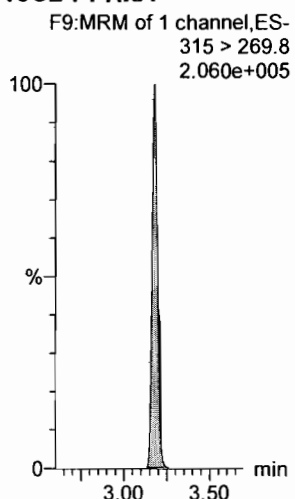
**13C3-PFPeA**



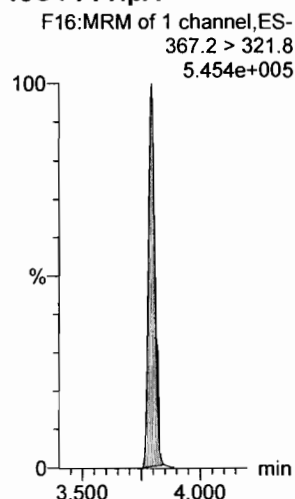
**13C3-PFBS**



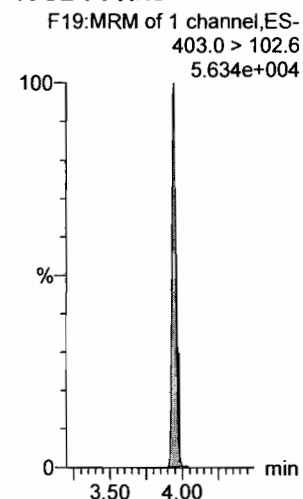
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

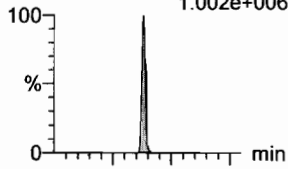
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

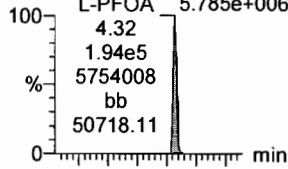
**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
1.002e+006



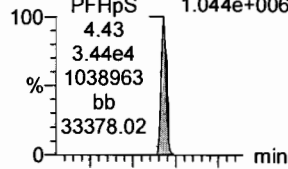
**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
5.785e+006



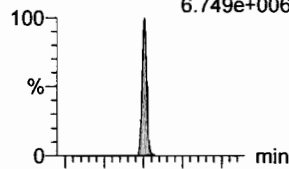
**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
1.044e+006



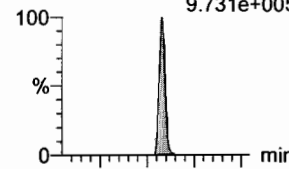
**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
6.749e+006



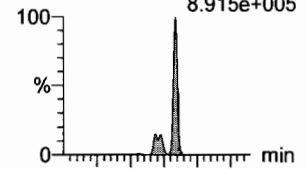
**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
9.731e+005

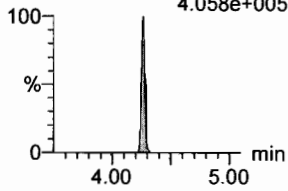


**L-PFOS**

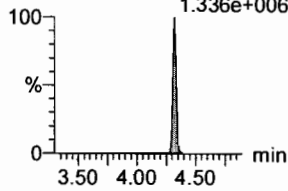
F31:MRM of 2 channels,ES-  
499 > 79.9  
8.915e+005



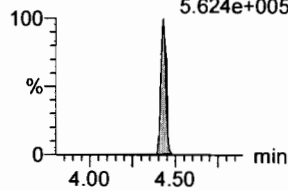
F23:MRM of 2 channels,ES-  
427.1 > 80  
4.058e+005



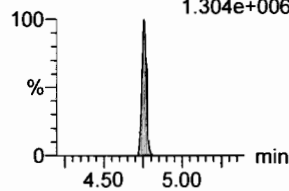
F20:MRM of 2 channels,ES-  
413 > 169  
1.336e+006



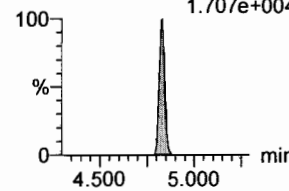
F25:MRM of 2 channels,ES-  
449 > 98.7  
5.624e+005



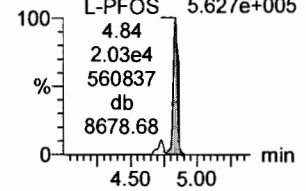
F26:MRM of 2 channels,ES-  
463.0 > 219.0  
1.304e+006



F29:MRM of 4 channels,ES-  
498.1 > 478  
1.707e+004

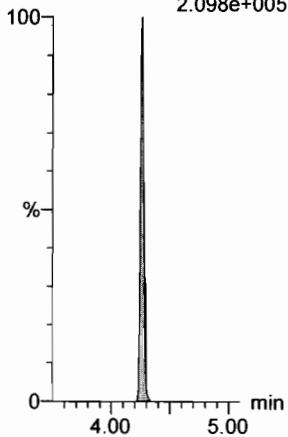


F31:MRM of 2 channels,ES-  
499 > 99  
5.627e+005



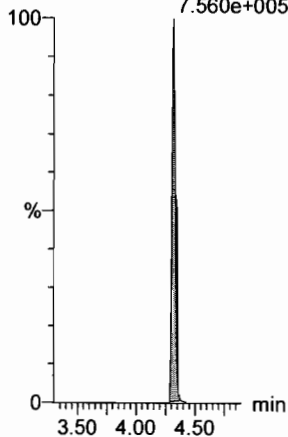
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
2.098e+005



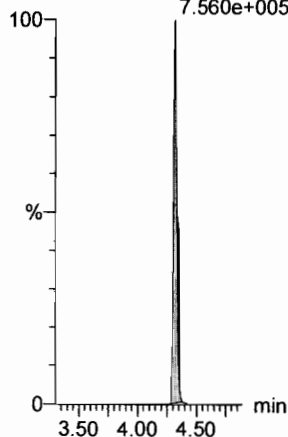
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.560e+005



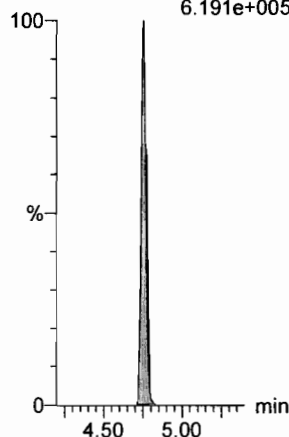
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.560e+005



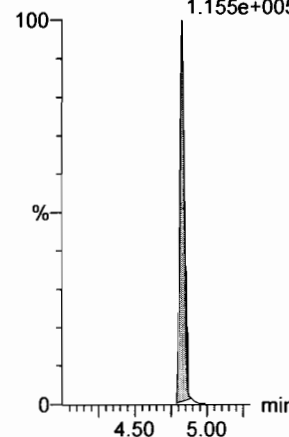
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
6.191e+005



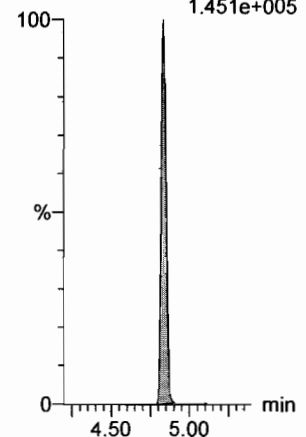
**13C8-PFOSA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
1.155e+005



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
1.451e+005



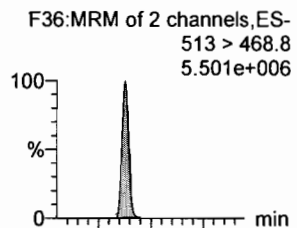
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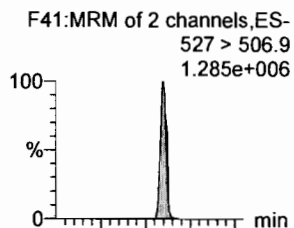
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Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

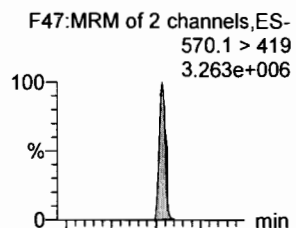
**PFDA**



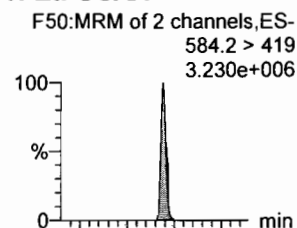
**8:2 FTS**



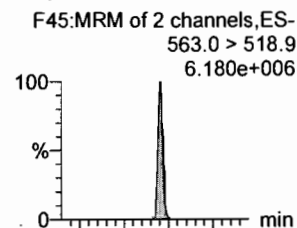
**N-MeFOSAA**



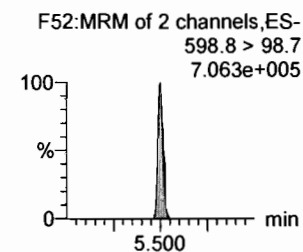
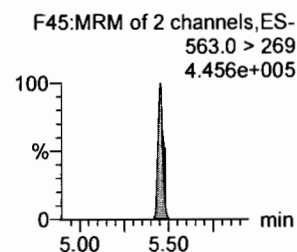
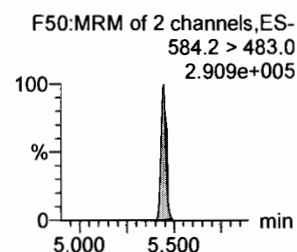
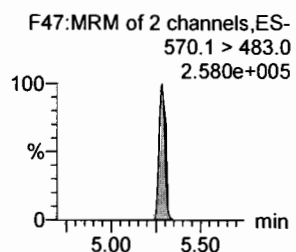
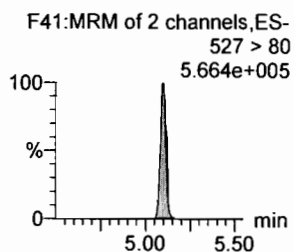
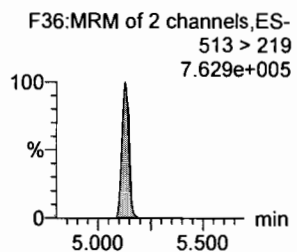
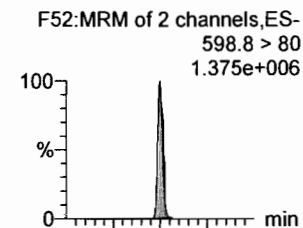
**N-EtFOSAA**



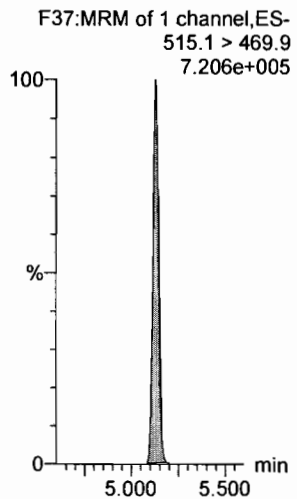
**PFUdA**



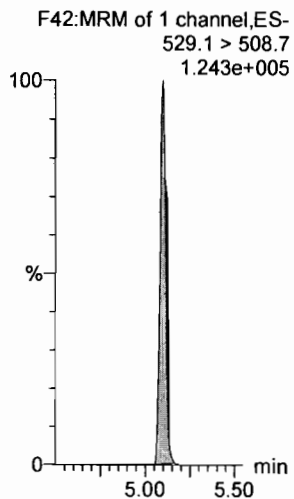
**PFDS**



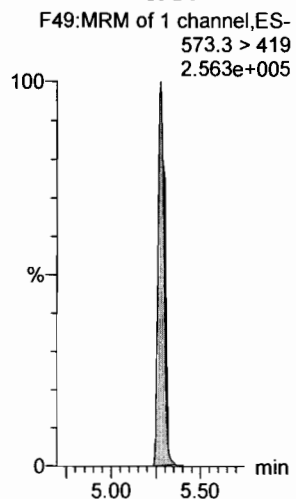
**13C2-PFDA**



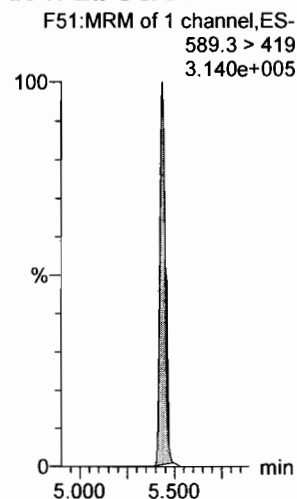
**13C2-8:2 FTS**



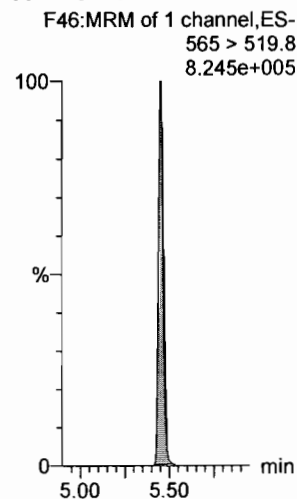
**d3-N-MeFOSAA**



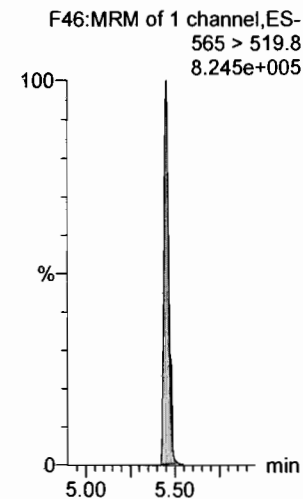
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**

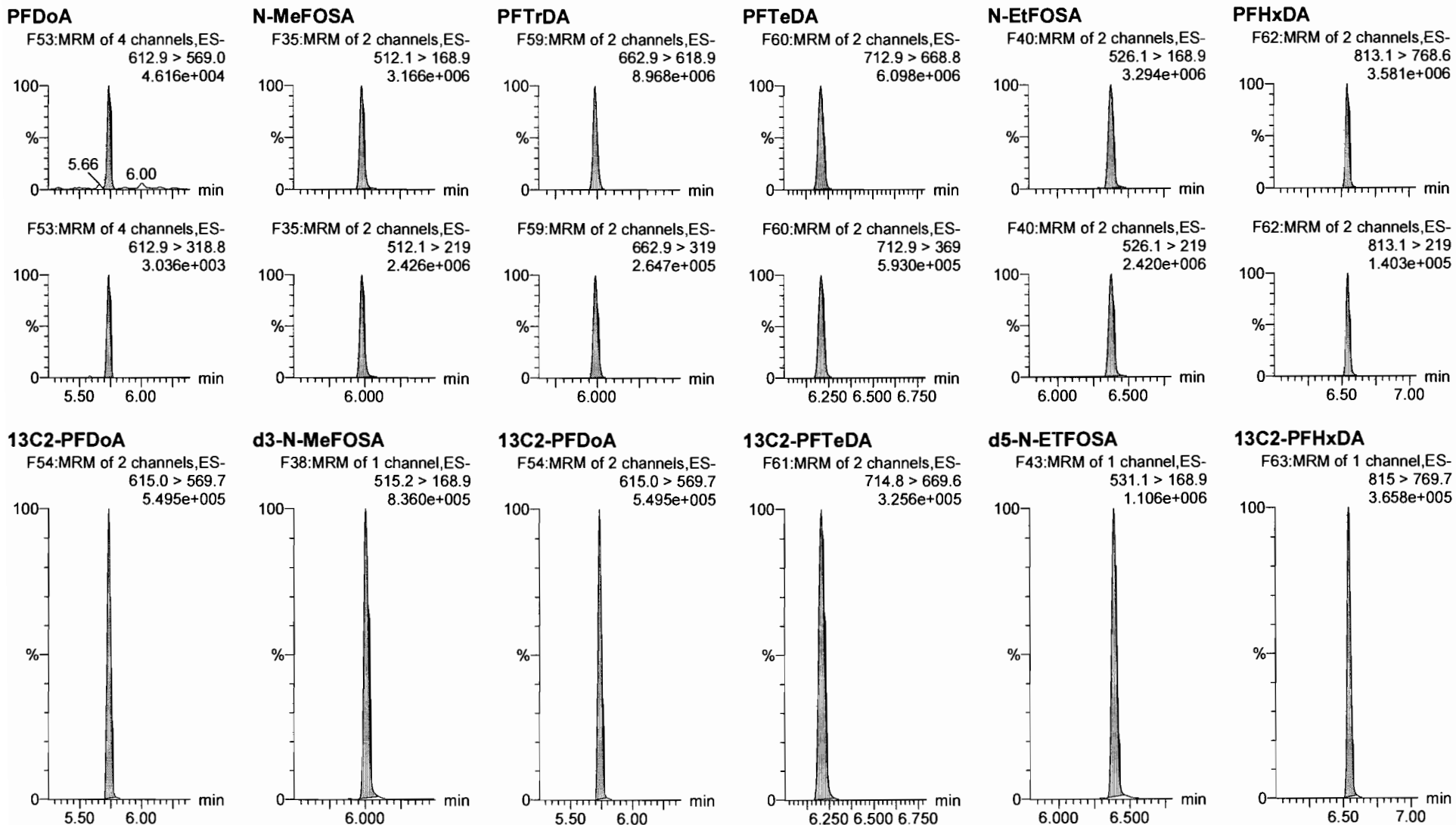




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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

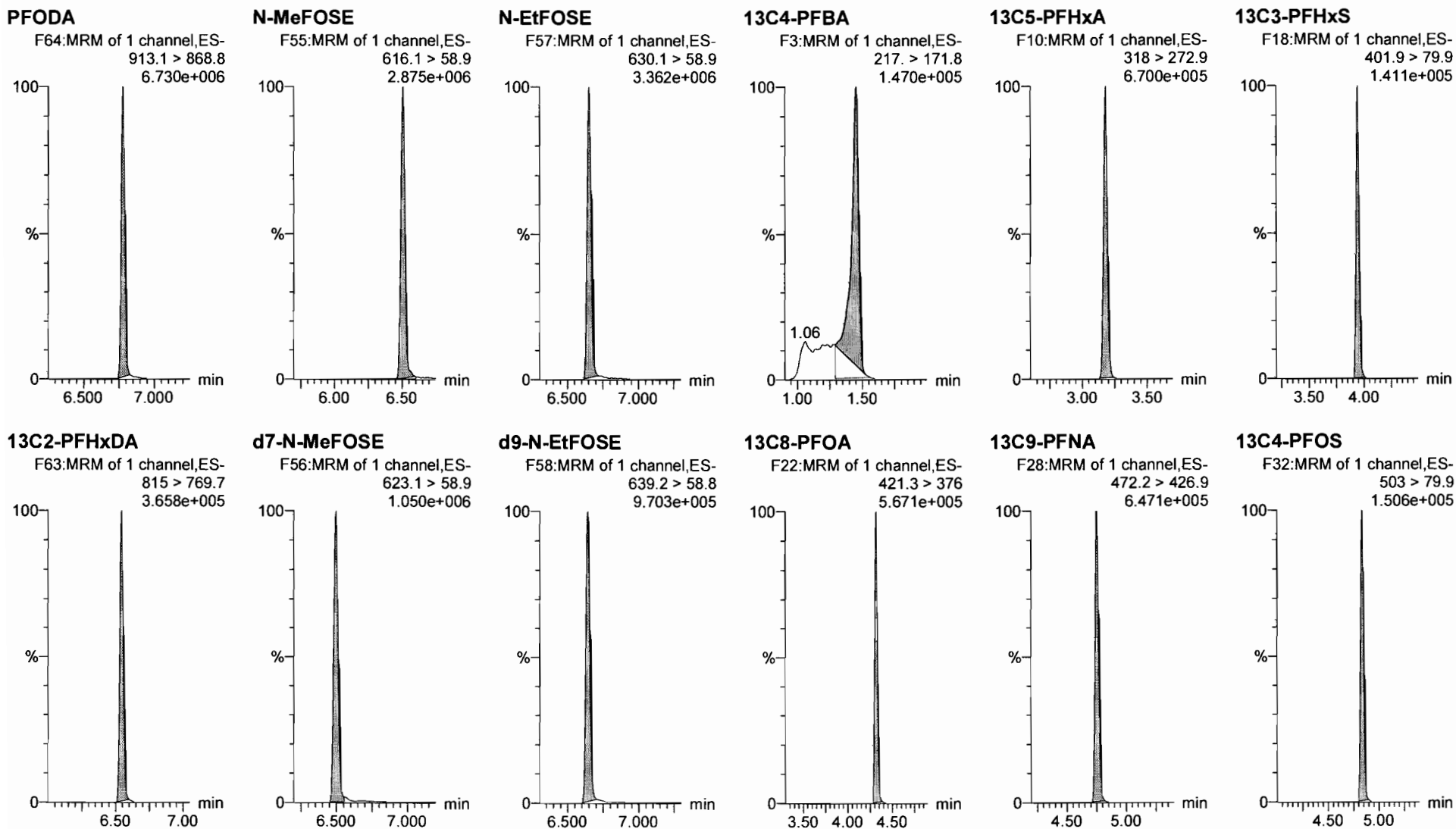


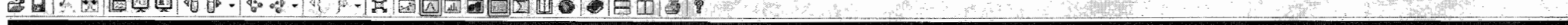
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

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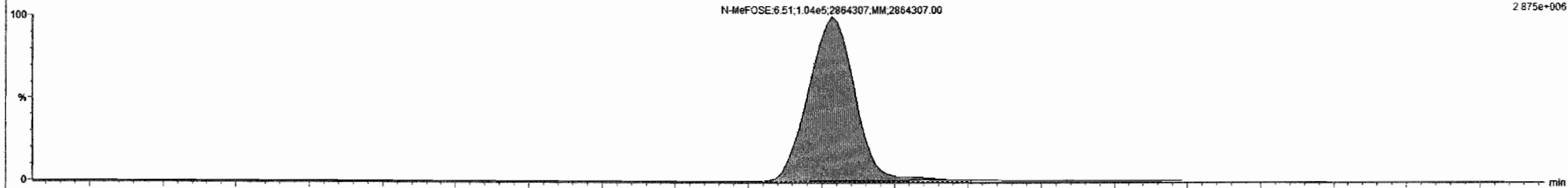




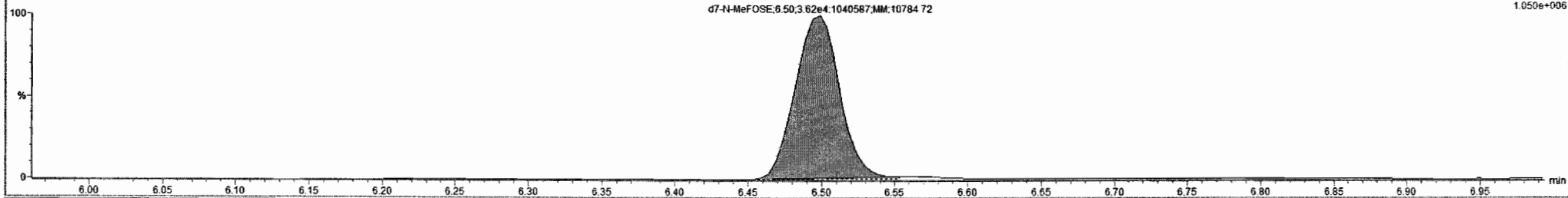
N-MeFOSE

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1	180307M2_2	Standard	1.250	6.51	237.013	39605.852	0.911	bb	0.3	-77.1	08-Mar...	07:41:47	09-Mar...	22.9	0.729	1.0
2	180307M2_3	Standard	2.500	6.51	563.383	39011.109	2.126	bb	1.8	-28.1	08-Mar...	07:53:13	09-Mar...	71.9	0.851	1.0
3	180307M2_4	Standard	5.000	6.51	1264.549	34824.887	5.447	bb	5.9	18.5	08-Mar...	08:04:42	09-Mar...	118.5	1.089	1.0
4	180307M2_5	Standard	10.000	6.51	2408.220	33766.207	10.697	bb	12.5	24.6	08-Mar...	08:16:12	09-Mar...	124.8	1.070	1.0
5	180307M2_6	Standard	25.000	6.51	5310.190	33783.949	23.577	bb	28.5	13.9	08-Mar...	08:27:42	09-Mar...	113.9	0.943	1.0
6	180307M2_7	Standard	50.000	6.51	9153.002	28439.365	48.276	MM	59.2	18.4	08-Mar...	08:39:12	09-Mar...	118.4	0.966	1.0
7	180307M2_8	Standard	250.000	6.51	62198.896	36806.313	253.485	bb	314.4	25.8	08-Mar...	08:50:42	09-Mar...	125.8	1.014	1.0
8	180307M2_9	Standard	500.000	6.51	104114.391	36172.489	431.741	MM	538.1	7.2	08-Mar...	09:02:11	09-Mar...	107.2	0.893	1.0
9	180307M2_10	Standard	1250.000	6.51	221984.281	32206.184	1033.890	bb	1285.0	2.8	08-Mar...	09:13:38	09-Mar...	102.8	0.827	1.0
10	180307M2_11	Standard	2500.000	6.51	434045.250	34443.641	1890.241	MM	2350.1	-6.0	08-Mar...	09:25:07	09-Mar...	94.0	0.756	1.0

180307M2\_9 Smooth(Mn, 1x2)  
PFC CS5 18B2820 ST180307M1-8 PFC CS5 18B2820



180307M2\_9 Smooth(Mn, 1x2)  
PFC CS5 18B2820 ST180307M1-8 PFC CS5 18B2820



Custom Reporting: Select reports to generate

N-MeFOSE CAP. NUM

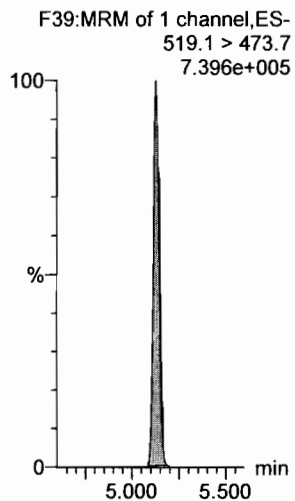
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

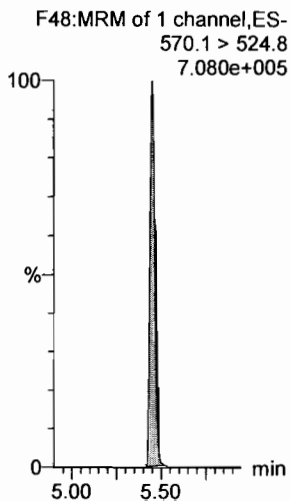
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Name: 180307M2\_9, Date: 08-Mar-2018, Time: 09:02:11, ID: ST180307M1-8 PFC CS5 18B2820, Description: PFC CS5 18B2820

13C6-PFDA



13C7-PFUDa



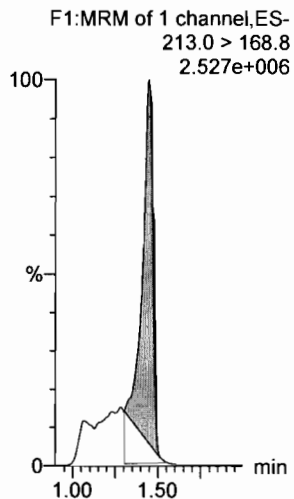
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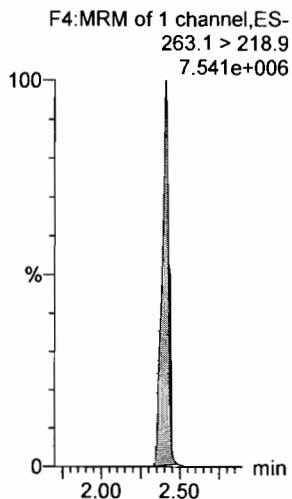
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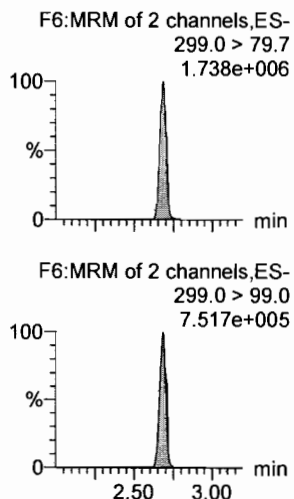
**PFBA**



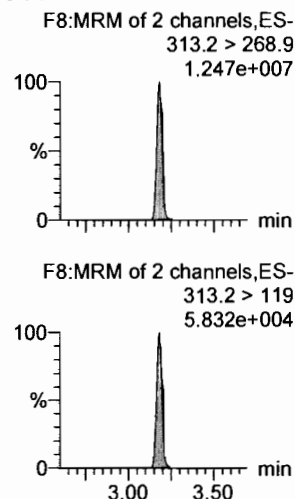
**PFPeA**



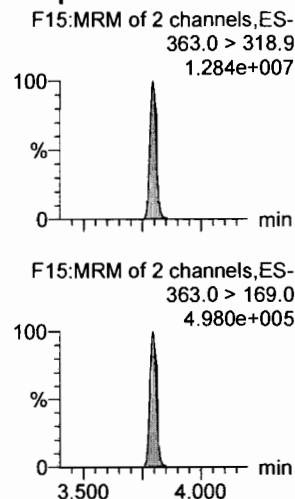
**PFBS**



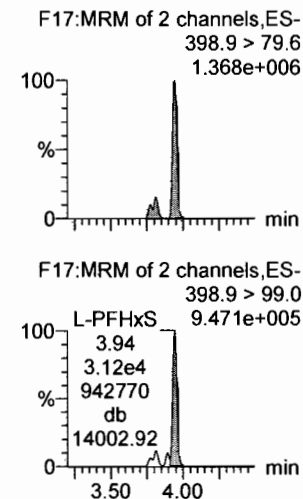
**PFHxA**



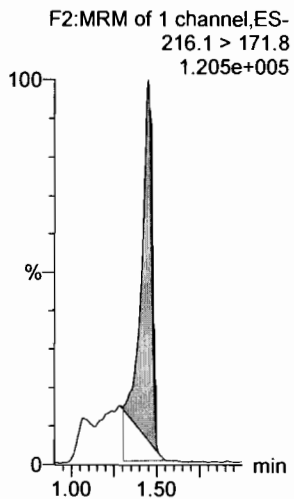
**PFHpA**



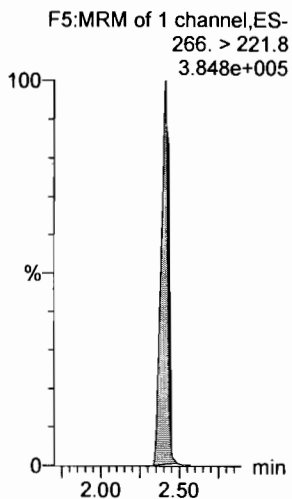
**L-PFHxS**



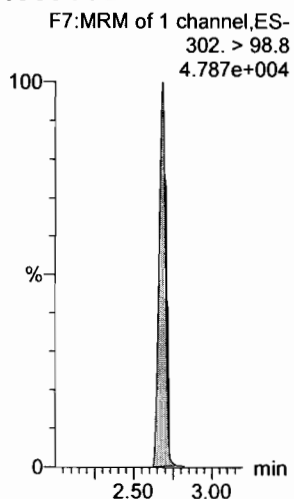
**13C3-PFBA**



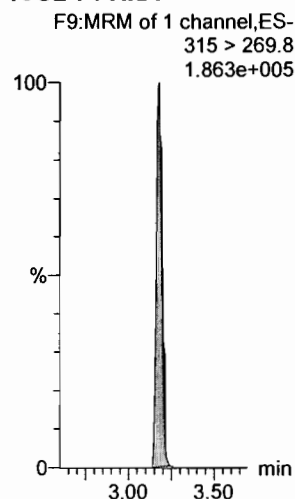
**13C3-PFPeA**



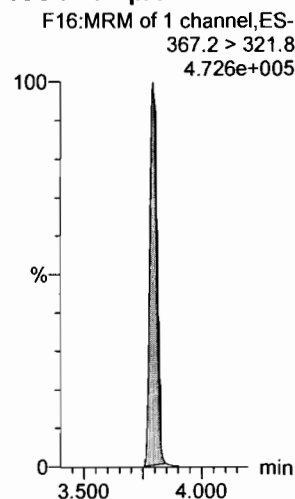
**13C3-PFBS**



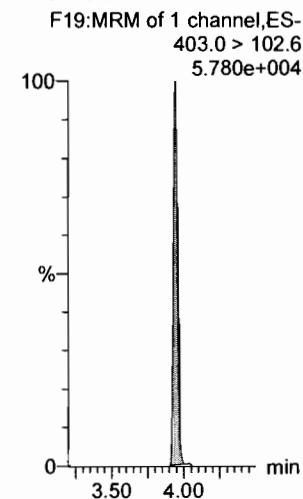
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

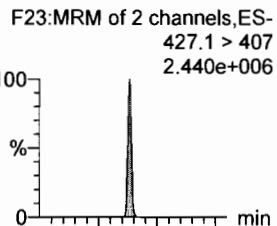


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

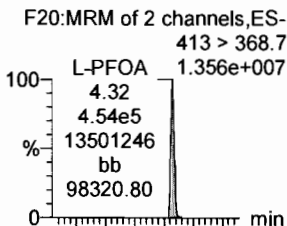
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Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

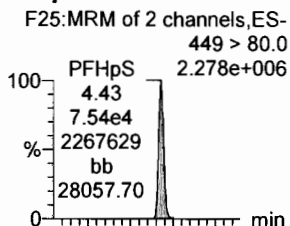
6:2 FTS



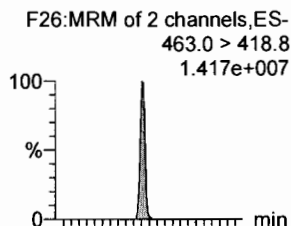
L-PFOA



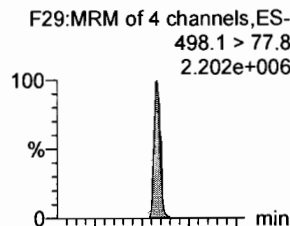
PFHpS



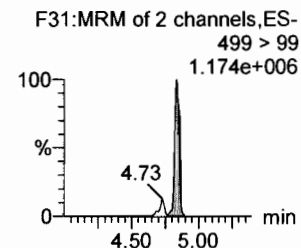
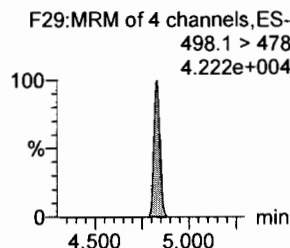
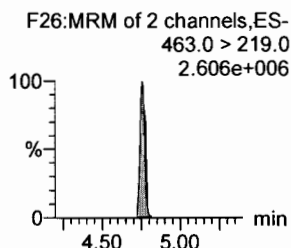
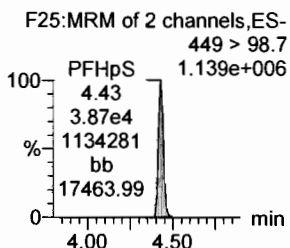
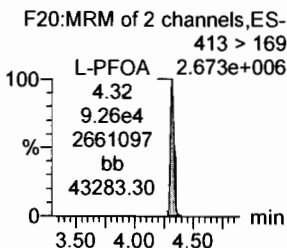
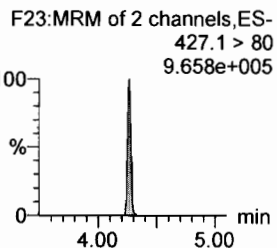
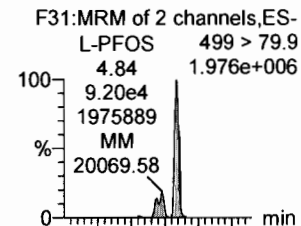
PFNA



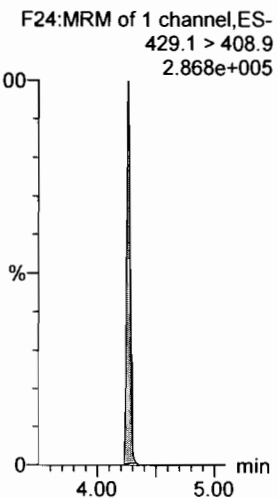
PFOSA



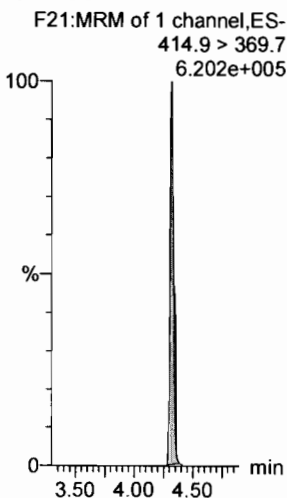
L-PFOS



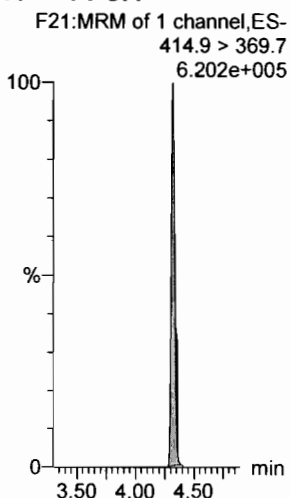
13C2-6:2 FTS



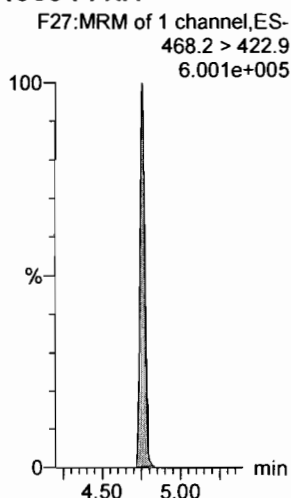
13C2-PFOA



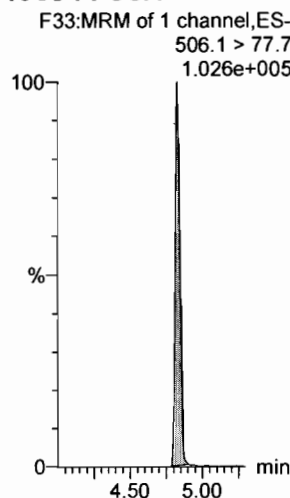
13C2-PFOA



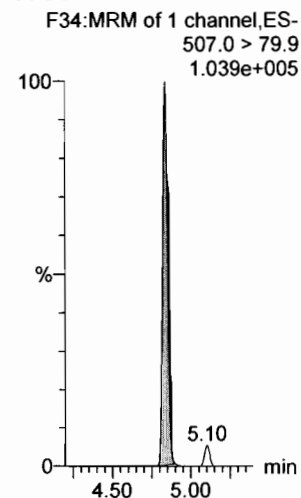
13C5-PFNA



13C8-PFOSA



13C8-PFOS



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

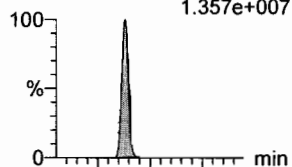
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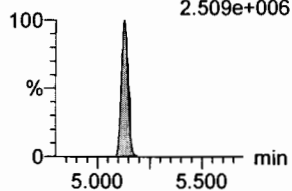
Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
1.357e+007

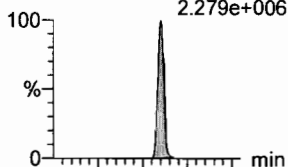


F36:MRM of 2 channels,ES-  
513 > 219  
2.509e+006

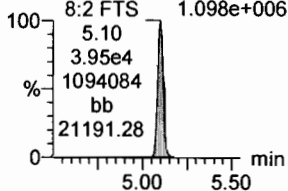


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
2.279e+006

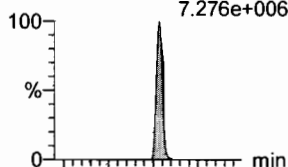


F41:MRM of 2 channels,ES-  
527 > 80  
1.098e+006

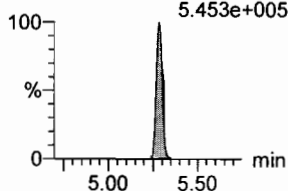


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
7.276e+006

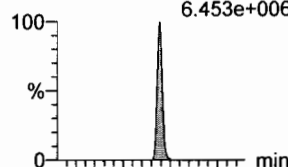


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
5.453e+005

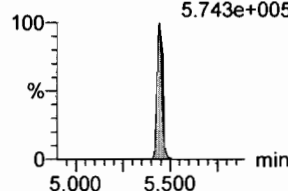


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
6.453e+006

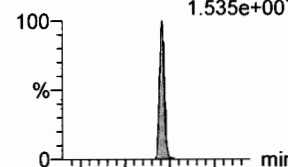


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.743e+005

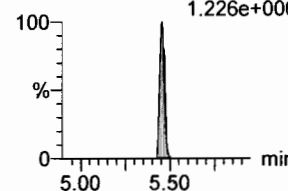


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.535e+007

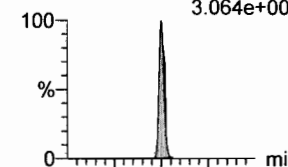


F45:MRM of 2 channels,ES-  
563.0 > 269  
1.226e+006

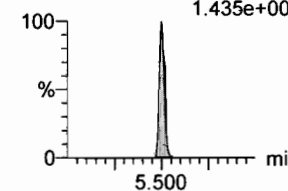


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
3.064e+006

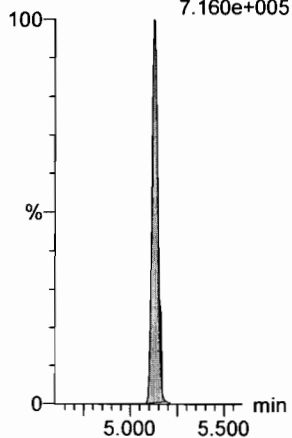


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.435e+006



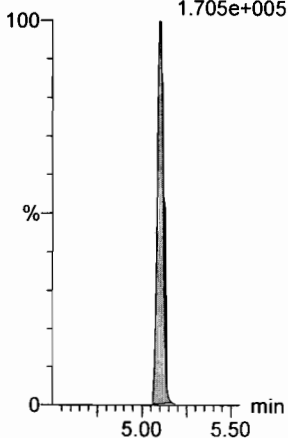
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
7.160e+005



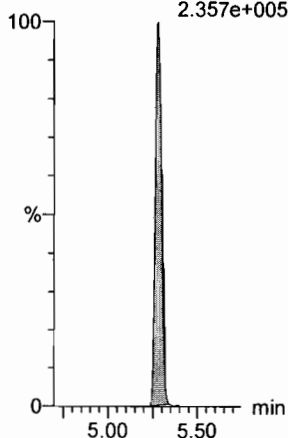
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.705e+005



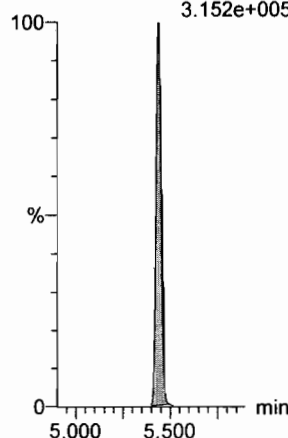
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.357e+005



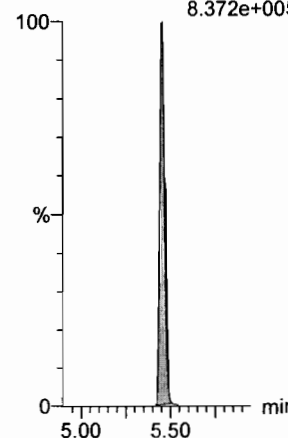
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.152e+005



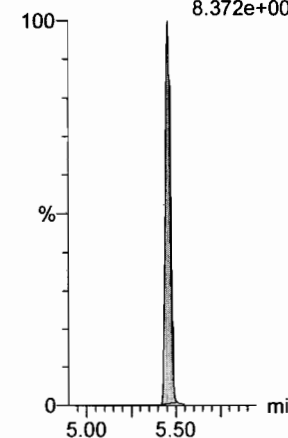
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
8.372e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
8.372e+005



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

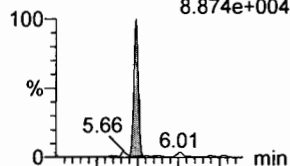
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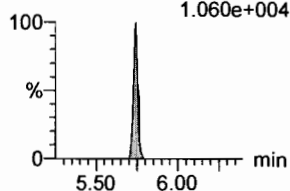
Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

**PFDaA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
8.874e+004

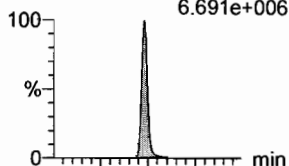


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.060e+004

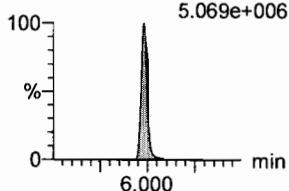


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
6.691e+006

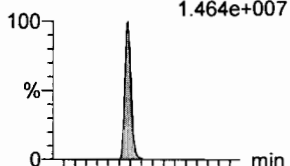


F35:MRM of 2 channels,ES-  
512.1 > 219  
5.069e+006

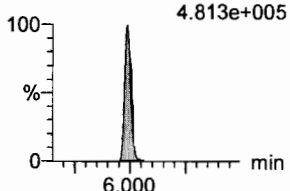


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.464e+007



F59:MRM of 2 channels,ES-  
662.9 > 319  
4.813e+005

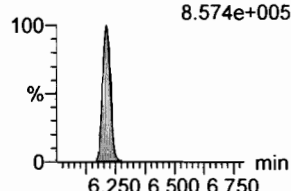


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
1.081e+007

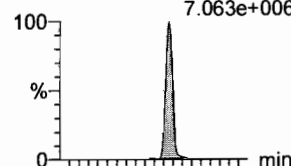


F60:MRM of 2 channels,ES-  
712.9 > 369  
8.574e+005

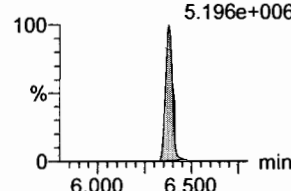


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
7.063e+006

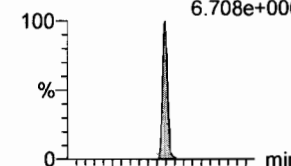


F40:MRM of 2 channels,ES-  
526.1 > 219  
5.196e+006

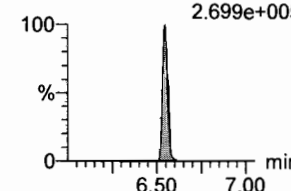


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
6.708e+006

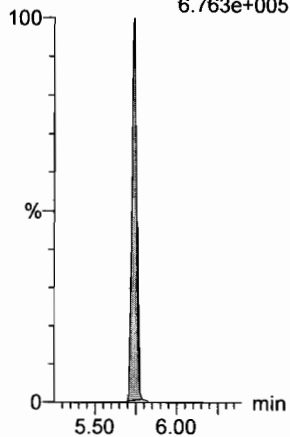


F62:MRM of 2 channels,ES-  
813.1 > 219  
2.699e+005



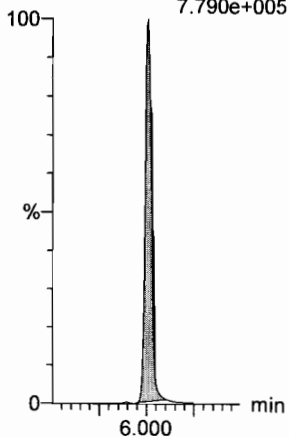
**13C2-PFDaA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
6.763e+005



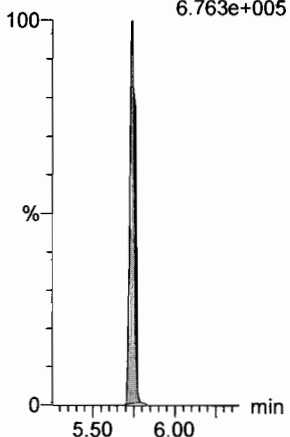
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
7.790e+005



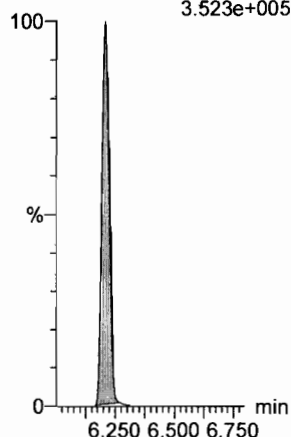
**13C2-PFDaA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
6.763e+005



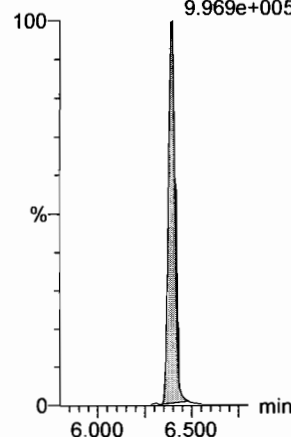
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
3.523e+005



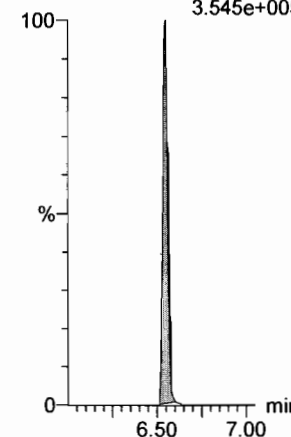
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
9.969e+005



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
3.545e+005





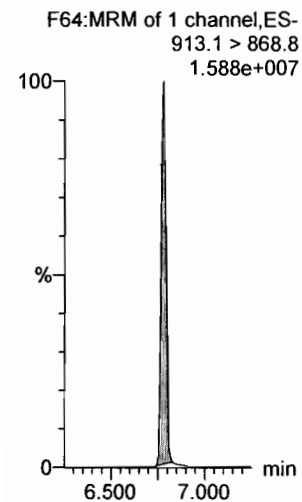
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Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

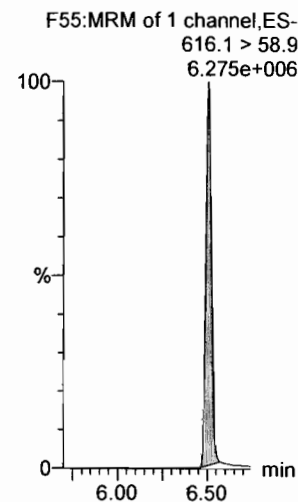
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

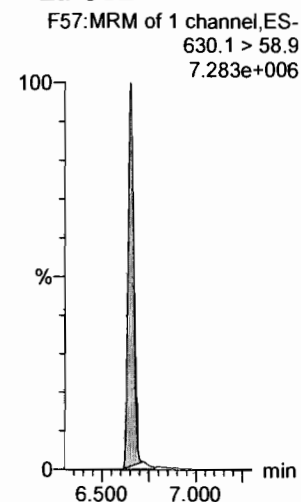
**PFODA**



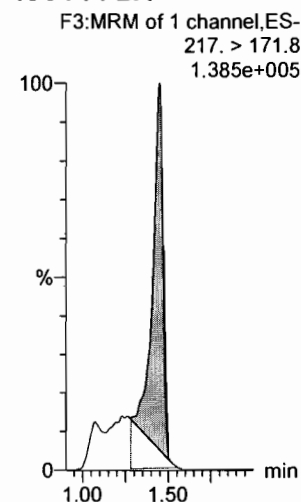
**N-MeFOSE**



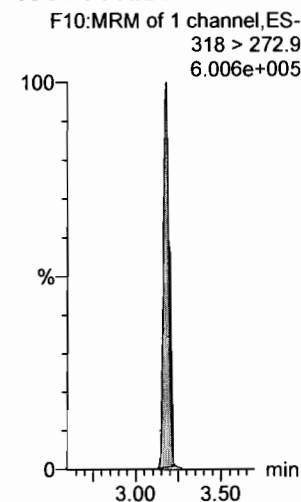
**N-EtFOSE**



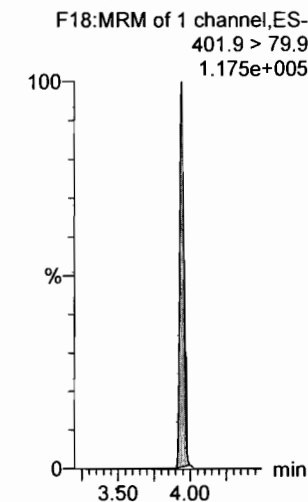
**13C4-PFBA**



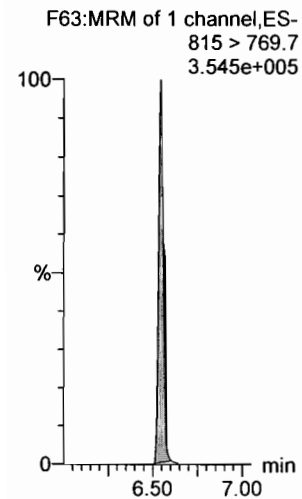
**13C5-PFHxA**



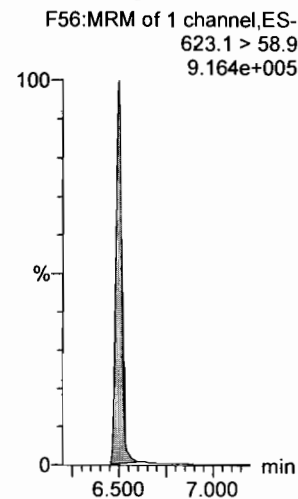
**13C3-PFHxS**



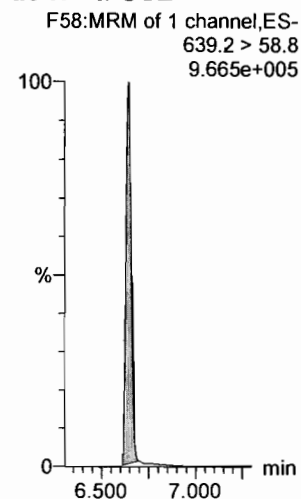
**13C2-PFHxDA**



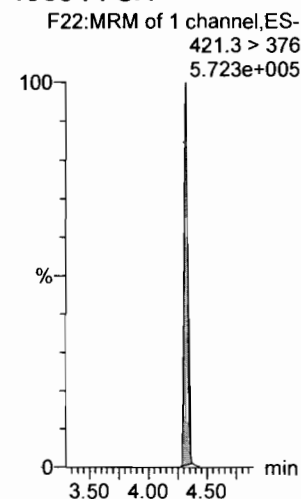
**d7-N-MeFOSE**



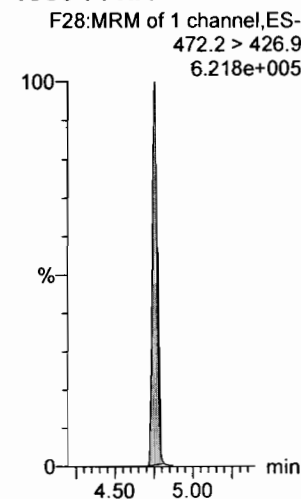
**d9-N-EtFOSE**



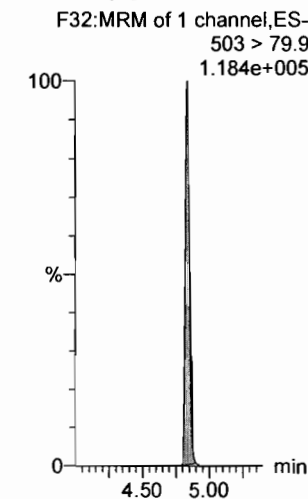
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

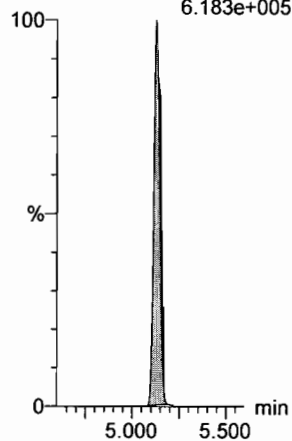
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_10, Date: 08-Mar-2018, Time: 09:13:38, ID: ST180307M1-9 PFC CS6 18B2821, Description: PFC CS6 18B2821

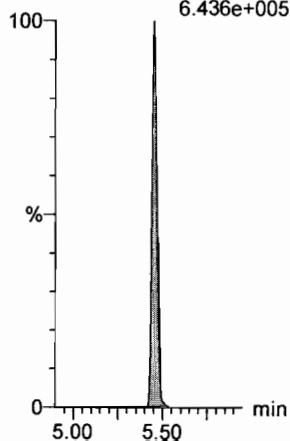
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.183e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
6.436e+005



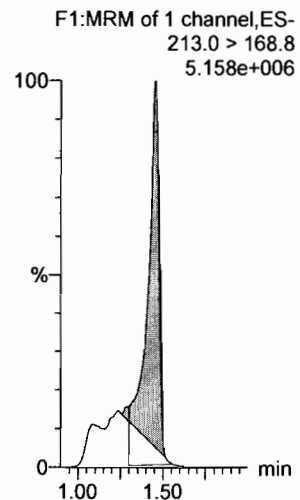
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

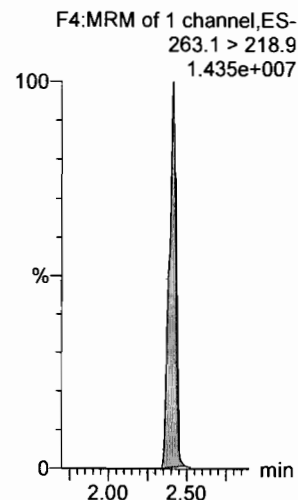
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822

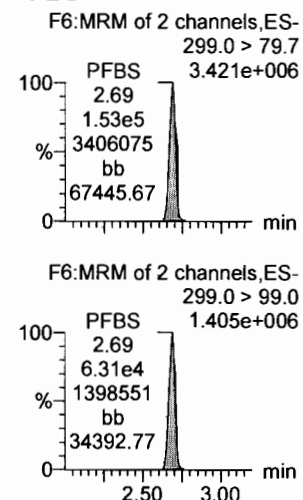
**PFBA**



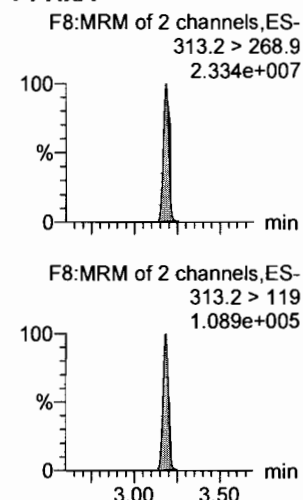
**PFPeA**



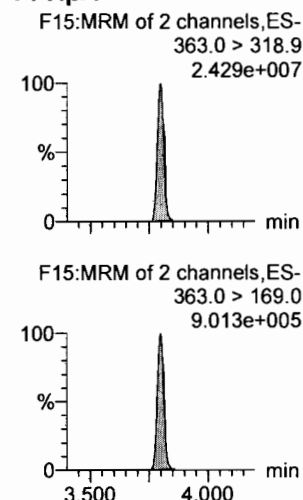
**PFBS**



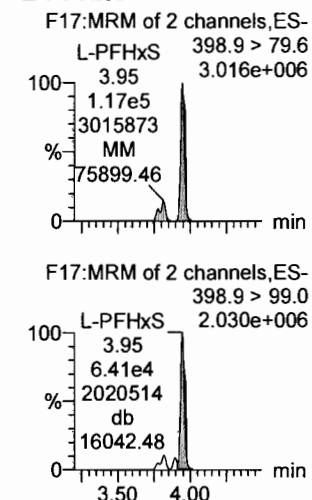
**PFHxA**



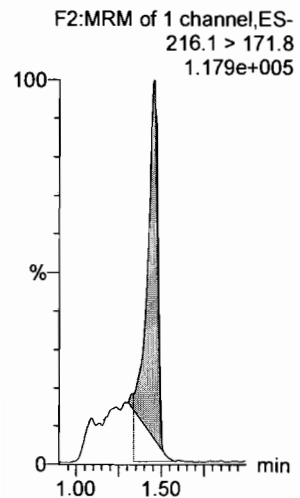
**PFHpA**



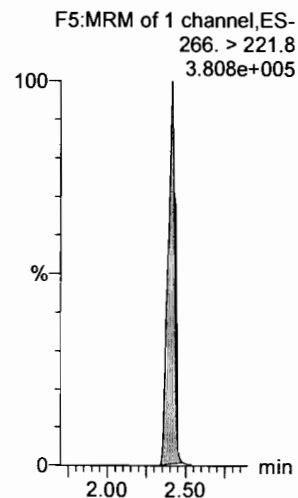
**L-PFHxS**



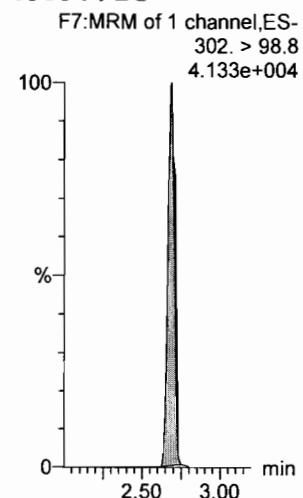
**13C3-PFBA**



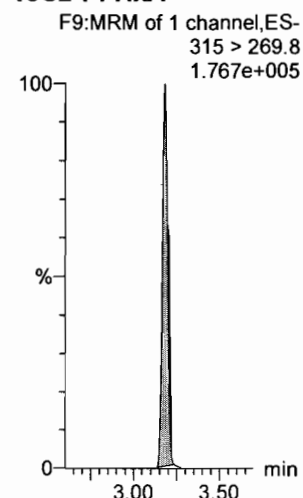
**13C3-PFPeA**



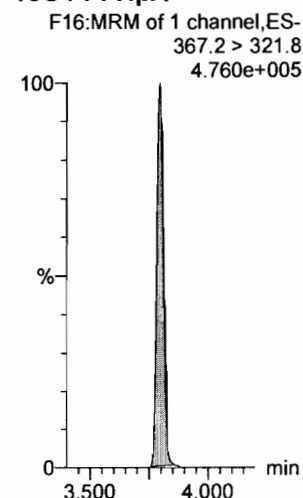
**13C3-PFBS**



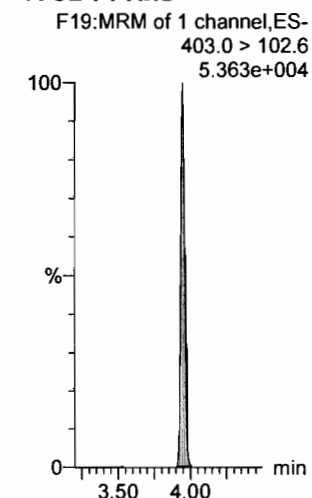
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

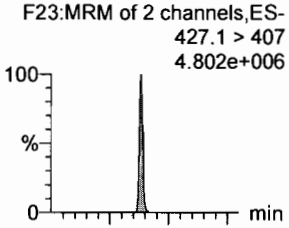


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

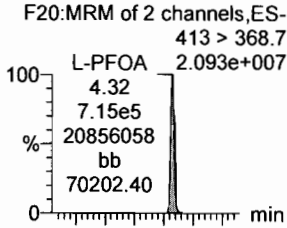
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822

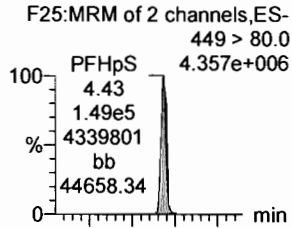
**6:2 FTS**



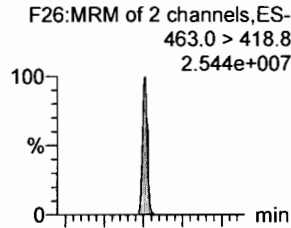
**L-PFOA**



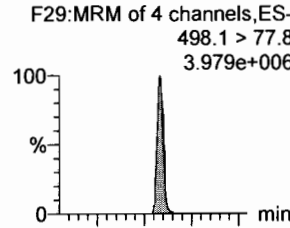
**PFHpS**



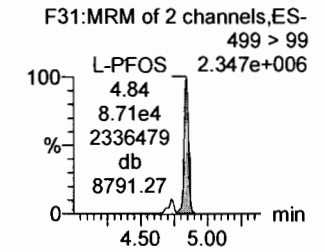
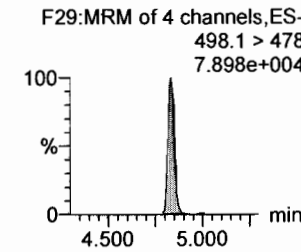
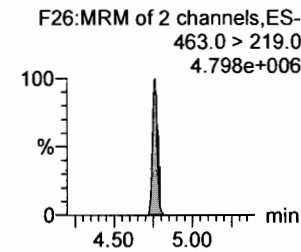
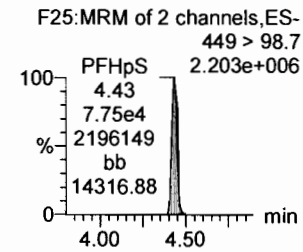
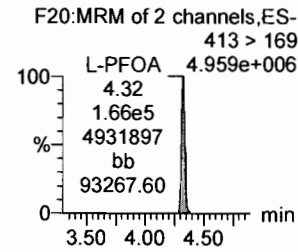
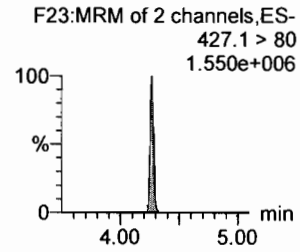
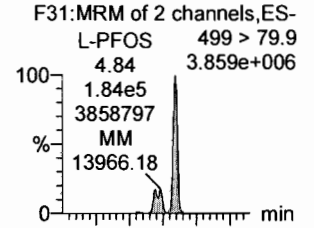
**PFNA**



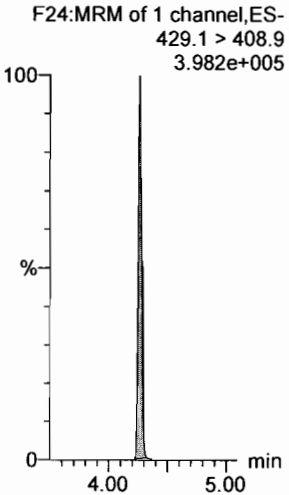
**PFOSA**



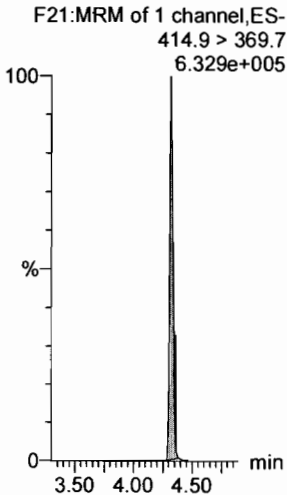
**L-PFOS**



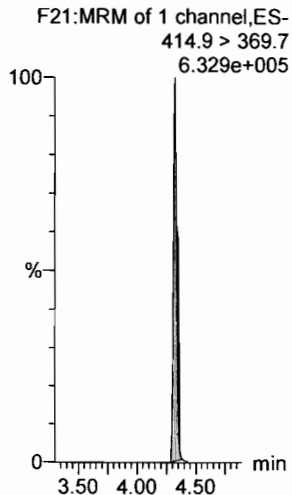
**13C2-6:2 FTS**



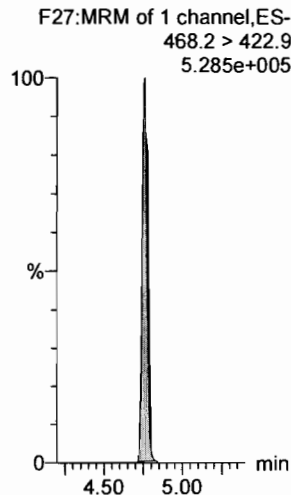
**13C2-PFOA**



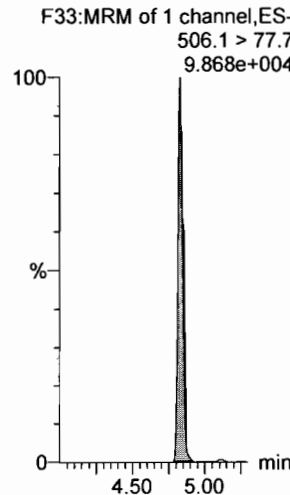
**13C2-PFOA**



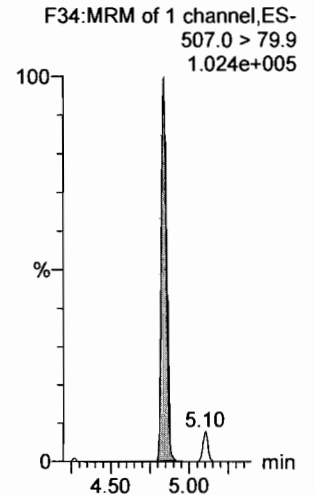
**13C5-PFNA**



**13C8-PFOSA**



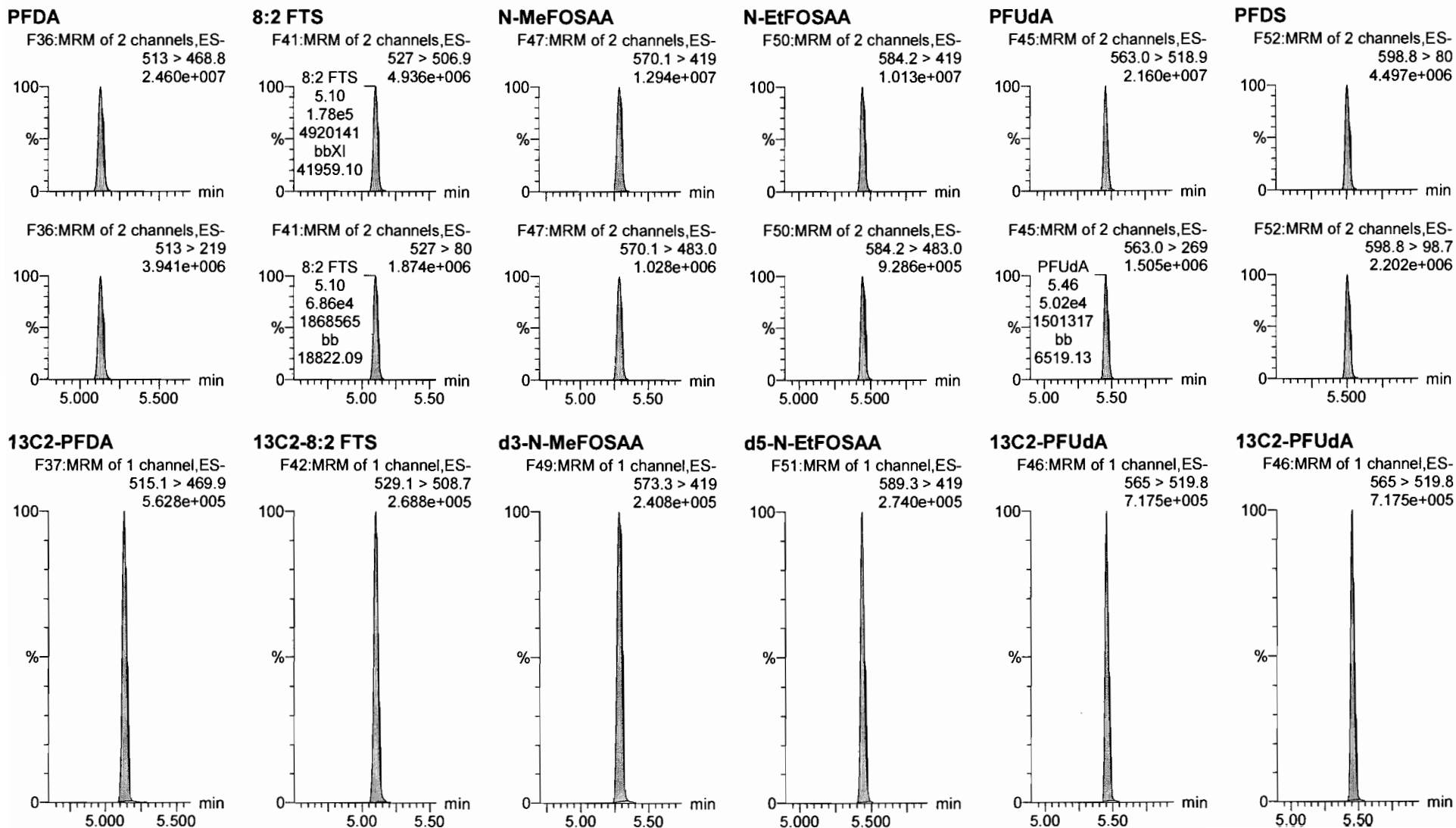
**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time  
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822



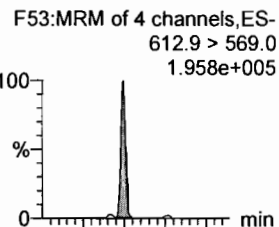
Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

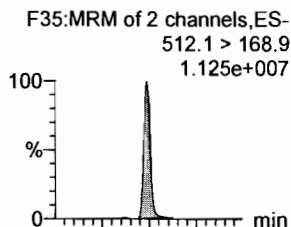
Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822

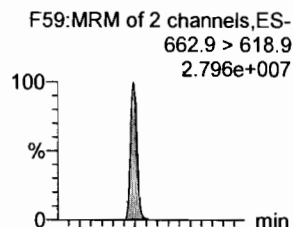
**PFDoA**



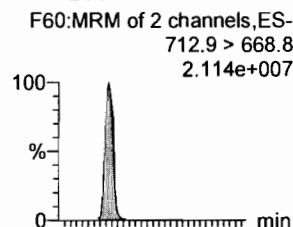
**N-MeFOSA**



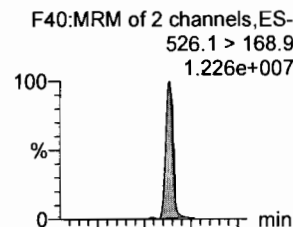
**PFTrDA**



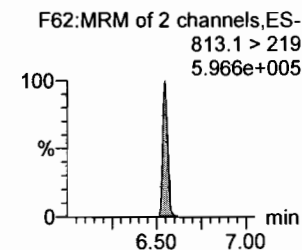
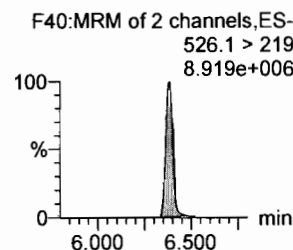
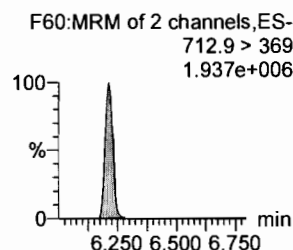
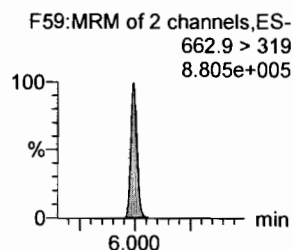
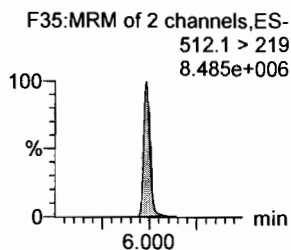
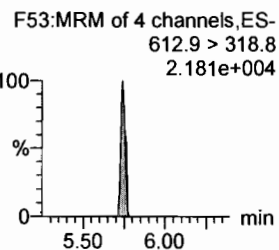
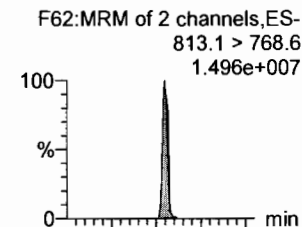
**PFTeDA**



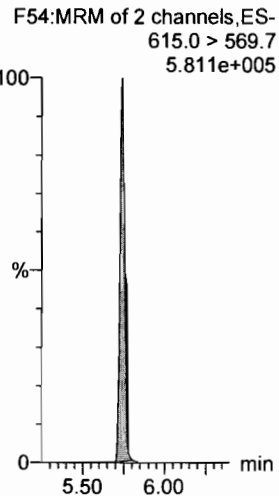
**N-EtFOSA**



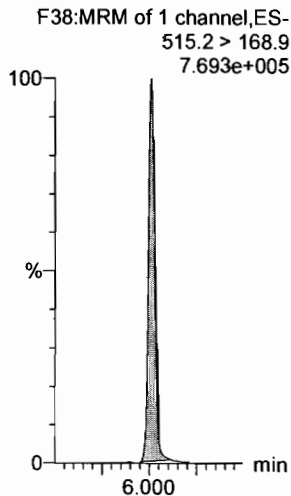
**PFHxDA**



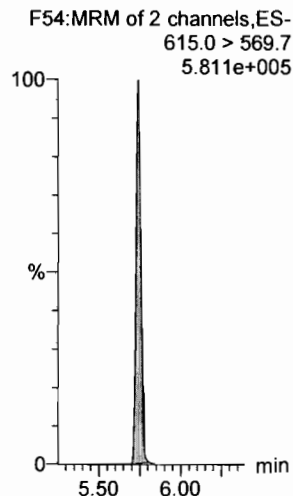
**13C2-PFDoA**



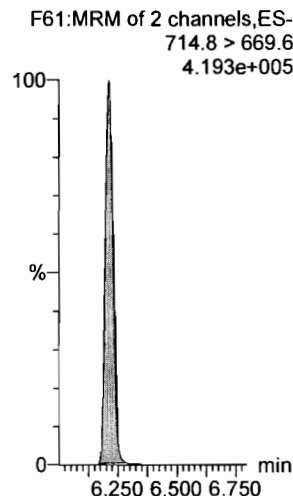
**d3-N-MeFOSA**



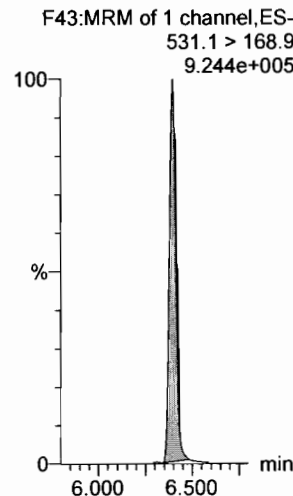
**13C2-PFTeDA**



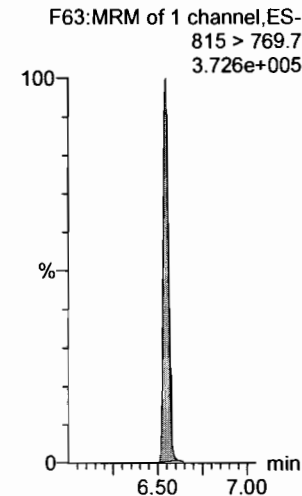
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**

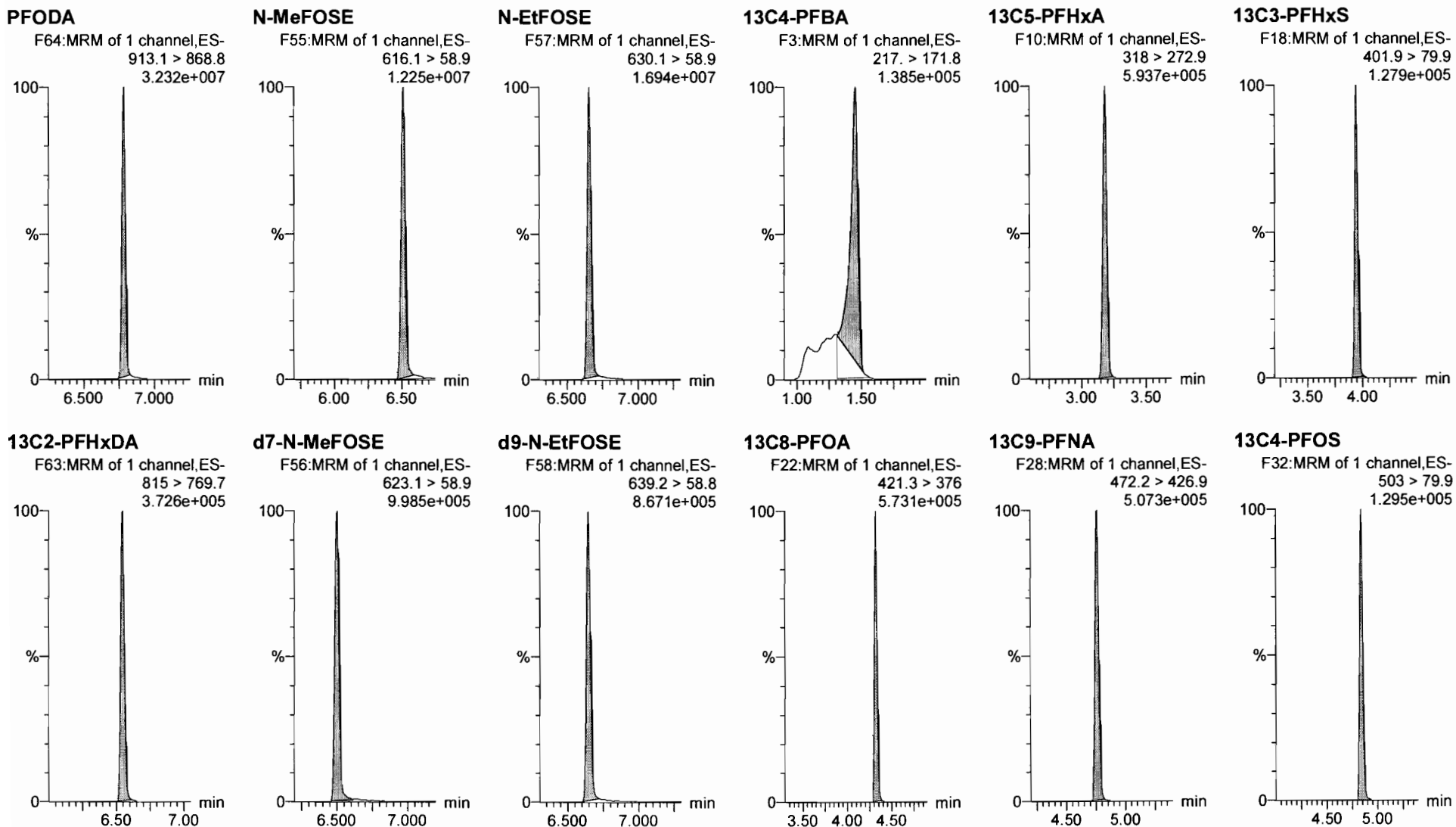


Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822



Dataset: F:\Projects\PFAS.PRO\Results\180308M1\180307M2-CRV.qld

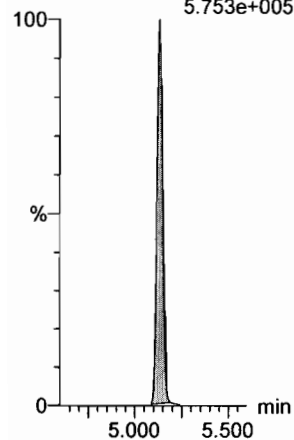
Last Altered: Friday, March 09, 2018 10:23:41 Pacific Standard Time

Printed: Friday, March 09, 2018 10:43:19 Pacific Standard Time

Name: 180307M2\_11, Date: 08-Mar-2018, Time: 09:25:07, ID: ST180307M1-10 PFC CS7 18B2822, Description: PFC CS7 18B2822

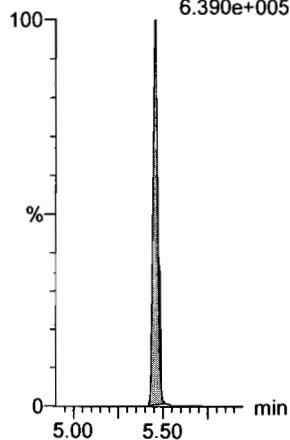
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
5.753e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
6.390e+005





Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time

Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

(A) Not used.  
(B) Not in ICL.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	6.84e3	7.44e3		1.73	1.46	11.5	9.97	99.7		NO
2	2 PFPeA	263.1 > 218.9	1.55e4	2.00e4		2.70	2.42	9.64	10.2	101.5		NO
3	3 PFBS	299.0 > 79.7	3.05e3	2.47e3		2.98	2.69	15.4	8.59	85.9		NO
4	4 4:2 FTS	327.2>307.2	3.66e3	2.47e3		3.38	3.09	18.5	9.19	91.9		NO
5	5 PFHxA	313.2 > 268.9	1.83e4	6.89e3		3.48	3.18	13.3	9.62	96.2		NO
6	6 PFPeS	349.1>80.1	3.41e3	2.47e3		3.67	3.38	17.3	10.3	102.7		NO
7	7 PFHpA	363.0 > 318.9	1.80e4	1.63e4		4.10	3.80	13.8	10.8	108.1		NO
8	8 L-PFHxS	398.9 > 79.6	2.50e3	1.94e3		4.24	3.95	16.1	8.99	89.9		NO
9	10 6:2 FTS	427.1 > 407	4.40e3	5.53e3		4.56	4.26	9.93	9.78	97.8		NO
10	11 L-PFOA	413 > 368.7	1.97e4	2.55e4		4.45	4.32	9.65	9.21	92.1		NO
11	13 PFHpS	449 > 80.0	3.64e3	2.55e4		4.71	4.43	1.79	10.1	101.4		NO
12	14 PFNA	463.0 > 418.8	2.02e4	2.27e4		5.04	4.76	11.2	9.15	91.5		NO
13	15 PFOSA	498.1 > 77.8	3.42e3	4.62e3		5.09	4.83	9.26	9.11	91.1		NO
14	16 L-PFOS	499 > 79.9	4.08e3	5.39e3		4.84	4.84	9.45	9.12	91.2		NO
15	18 PFDA	513 > 468.8	1.89e4	2.22e4		5.40	5.13	10.6	10.5	105.0		NO
16	19 8:2 FTS	527 > 506.9	4.42e3	3.73e3		5.38	5.10	14.8	9.16	91.6		NO
17	20 PFNS	549.1>80.1	2.92e3	5.39e3		5.46	5.20	6.77	8.03	80.3		NO
18	21 N-MeFOSAA	570.1 > 419	1.32e4	1.05e4		5.55	5.29	15.7	10.1	100.5		NO
19	22 N-EtFOSAA	584.2 > 419	9.96e3	1.08e4		5.70	5.45	11.6	10.1	101.1		NO
20	23 PFUdA	563.0 > 518.9	2.24e4	2.72e4		5.72	5.46	10.3	10.2	101.9		NO
21	24 PFDS	598.8 > 80	4.14e3	2.72e4		5.76	5.50	1.90	9.37	93.7		NO
22	25 PFDoA	612.9 > 569.0	1.85e4	2.43e4		5.99	5.74	9.52	1040	10385.0		YES (A)
23	26 N-MeFOSA	512.1 > 168.9		2.97e4		5.93				(B)		NO
24	27 PFTrDA	662.9 > 618.9	2.59e4	2.43e4		6.22	5.99	13.3	10.9	108.9		NO
25	28 PFTeDA	712.9 > 668.8	2.22e4	1.43e4		6.41	6.21	19.4	10.9	108.5		NO
26	29 N-EtFOSA	526.1 > 168.9		4.29e4		6.25				(B)		NO
27	30 PFHxDA	813.1 > 768.6		1.22e4		6.69						NO
28	31 PFODA	913.1 > 868.8		1.22e4		6.90						NO
29	32 N-MeFOSE	616.1 > 58.9		3.35e4		6.31						NO
30	33 N-EtFOSE	630.1 > 58.9		2.84e4		6.45						NO
31	34 13C3-PFBA	216.1 > 171.8	7.44e3	8.25e3	0.882	1.73	1.45	11.3	12.8	102.2		NO

AM  
3/9/18

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time

Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
32	35 13C3-PFPeA	266. > 221.8	2.00e4	2.21e4	0.888	2.70	2.42	11.3	12.7	101.9	NO	
33	36 13C3-PFBS	302. > 98.8	2.47e3	2.21e4	0.101	2.98	2.69	1.39	13.8	110.5	NO	
34	37 13C2-PFHxA	315 > 269.8	6.89e3	2.21e4	0.744	3.48	3.18	3.89	5.23	104.6	NO	
35	38 13C4-PFHpA	367.2 > 321.8	1.63e4	2.21e4	0.740	4.10	3.80	9.18	12.4	99.2	NO	
36	39 18O2-PFHxS	403.0 > 102.6	1.94e3	4.19e3	0.424	4.24	3.95	5.78	13.6	109.0	NO	
37	40 13C2-6:2 FTS	429.1 > 408.9	5.53e3	2.15e4	0.254	4.56	4.26	3.22	12.7	101.6	NO	
38	41 13C2-PFOA	414.9 > 369.7	2.55e4	2.15e4	1.129	4.61	4.32	14.8	13.1	105.2	NO	
39	42 13C5-PFNA	468.2 > 422.9	2.27e4	2.37e4	1.006	5.04	4.76	12.0	11.9	95.2	NO	
40	43 13C8-PFOSA	506.1 > 77.7	4.62e3	2.50e4	0.182	5.09	4.83	2.31	12.7	101.6	NO	
41	44 13C8-PFOS	507.0 > 79.9	5.39e3	5.00e3	1.049	5.11	4.84	13.5	12.9	102.9	NO	
42	45 13C2-PFDA	515.1 > 469.9	2.22e4	2.18e4	1.082	5.40	5.13	12.7	11.8	94.1	NO	
43	46 13C2-8:2 FTS	529.1 > 508.7	3.73e3	2.21e4	0.161	5.38	5.10	2.11	13.1	104.8	NO	
44	47 d3-N-MeFOSAA	573.3 > 419	1.05e4	2.50e4	0.426	5.55	5.28	5.25	12.3	98.6	NO	
45	48 d5-N-EtFOSAA	589.3 > 419	1.08e4	2.50e4	0.459	5.70	5.44	5.38	11.7	93.7	NO	
46	49 13C2-PFUdA	565 > 519.8	2.72e4	2.50e4	1.051	5.72	5.46	13.6	13.0	103.6	NO	
47	50 13C2-PFDoA	615.0 > 569.7	2.43e4	2.50e4	0.827	5.99	5.74	12.2	14.7	117.7	NO	
48	51 d3-N-MeFOSA	515.2 > 168.9	2.97e4	2.50e4	0.107	5.93	6.01	14.9	139	92.6	NO	
49	52 13C2-PFTeDA	714.8 > 669.6	1.43e4	2.50e4	0.514	6.41	6.21	7.17	14.0	111.6	NO	
50	53 d5-N-ETFOSA	531.1 > 168.9	4.29e4	2.50e4	0.152	6.25	6.40	21.5	141	94.3	NO	
51	54 13C2-PFHxDA	815 > 769.7	1.22e4	2.50e4	1.185	6.69	6.55	6.08	5.13	102.6	NO	
52	55 d7-N-MeFOSE	623.1 > 58.9	3.35e4	2.50e4	0.122	6.31	6.50	16.7	137	91.4	NO	
53	56 d9-N-EtFOSE	639.2 > 58.8	2.84e4	2.50e4	0.109	6.45	6.64	14.2	131	87.0	NO	
54	57 13C4-PFBA	217. > 171.8	8.25e3	8.25e3	1.000	1.73	1.45	12.5	12.5	100.0	NO	
55	58 13C5-PFHxA	318 > 272.9	2.21e4	2.21e4	1.000	3.48	3.18	12.5	12.5	100.0	NO	
56	59 13C3-PFHxS	401.9 > 79.9	4.19e3	4.19e3	1.000	4.24	3.95	12.5	12.5	100.0	NO	
57	60 13C8-PFOA	421.3 > 376	2.15e4	2.15e4	1.000	4.61	4.32	12.5	12.5	100.0	NO	
58	61 13C9-PFNA	472.2 > 426.9	2.37e4	2.37e4	1.000	4.70	4.76	12.5	12.5	100.0	NO	
59	62 13C4-PFOS	503 > 79.9	5.00e3	5.00e3	1.000	5.11	4.84	12.5	12.5	100.0	NO	
60	63 13C6-PFDA	519.1 > 473.7	2.18e4	2.18e4	1.000	5.40	5.13	12.5	12.5	100.0	NO	
61	64 13C7-PFUdA	570.1 > 524.8	2.50e4	2.50e4	1.000	5.72	5.46	12.5	12.5	100.0	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

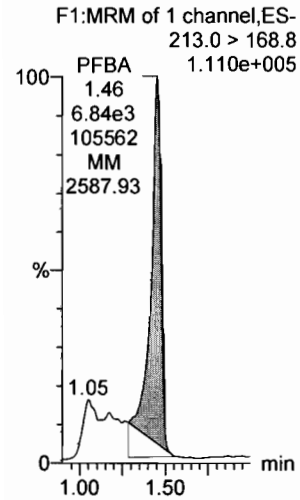
Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time  
Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

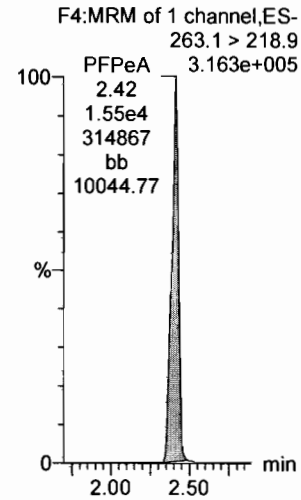
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 12:43:20

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

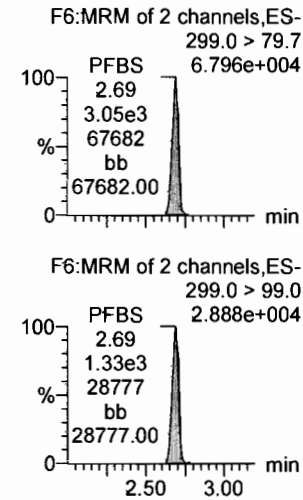
**PFBA**



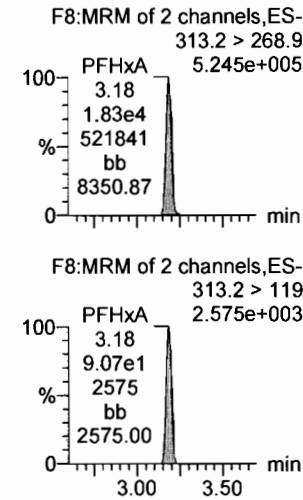
**PFPeA**



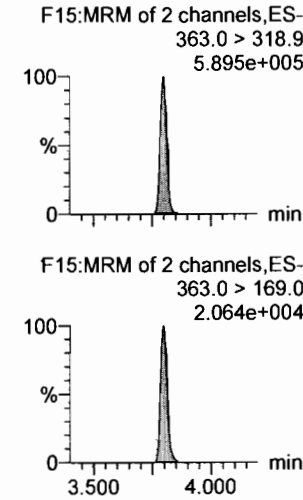
**PFBS**



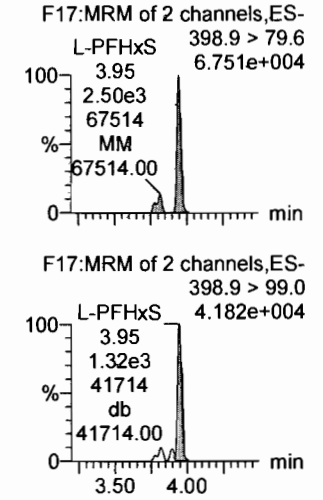
**PFHxA**



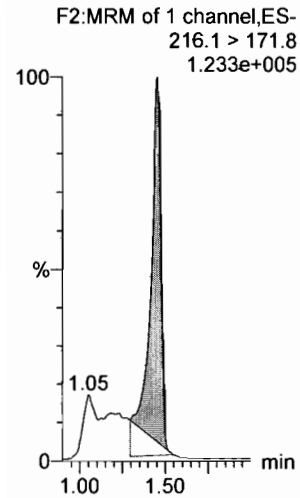
**PFHpA**



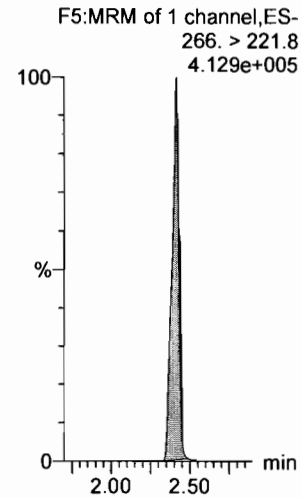
**L-PFHxS**



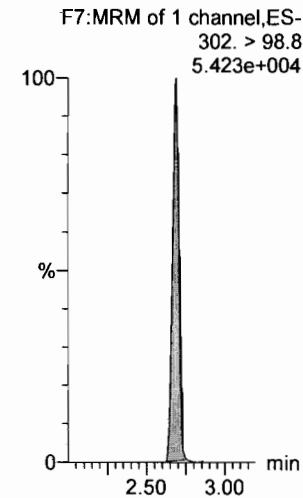
**13C3-PFBA**



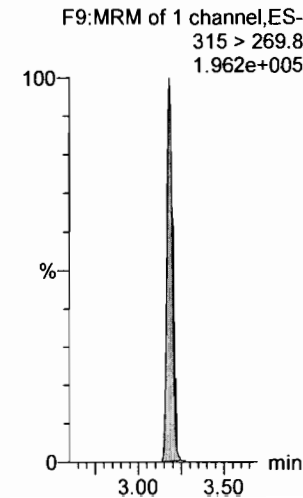
**13C3-PFPeA**



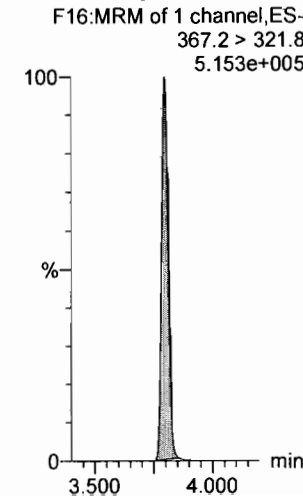
**13C3-PFBS**



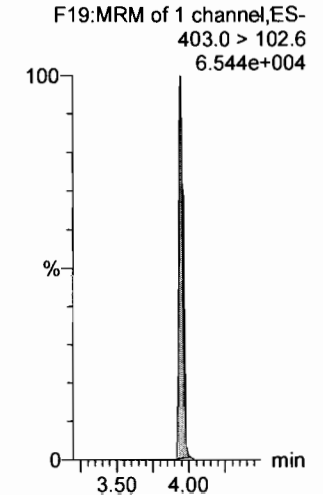
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

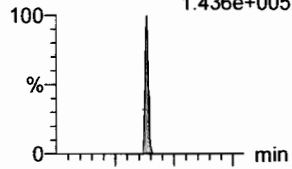
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Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

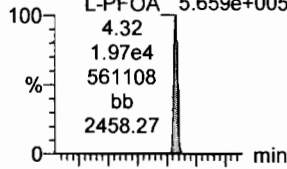
**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
1.436e+005



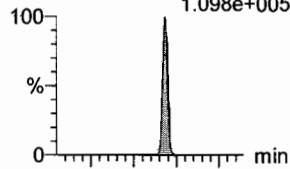
**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
5.659e+005



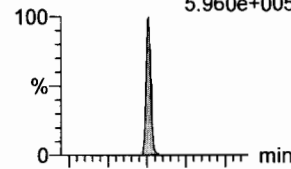
**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
1.098e+005



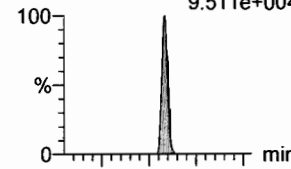
**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
5.960e+005



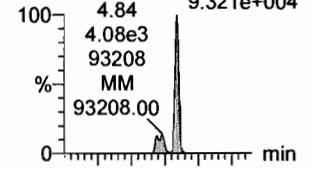
**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
9.511e+004

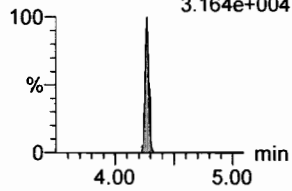


**L-PFOS**

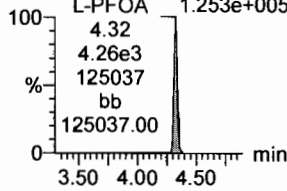
F31:MRM of 2 channels,ES-  
499 > 79.9  
9.321e+004



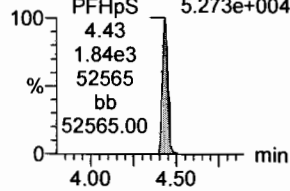
F23:MRM of 2 channels,ES-  
427.1 > 80  
3.164e+004



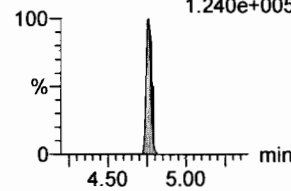
F20:MRM of 2 channels,ES-  
413 > 169  
1.253e+005



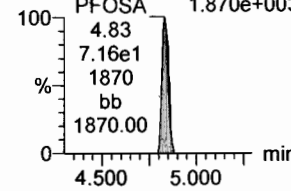
F25:MRM of 2 channels,ES-  
449 > 98.7  
5.273e+004



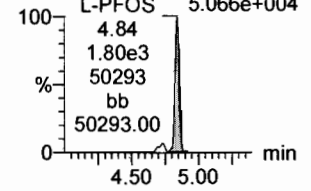
F26:MRM of 2 channels,ES-  
463.0 > 219.0  
1.240e+005



F29:MRM of 4 channels,ES-  
498.1 > 478  
1.870e+003

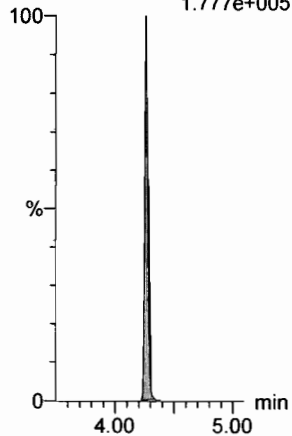


F31:MRM of 2 channels,ES-  
499 > 99  
5.066e+004



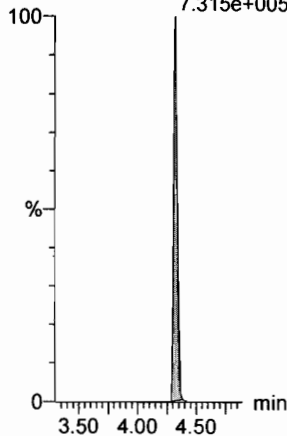
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
1.777e+005



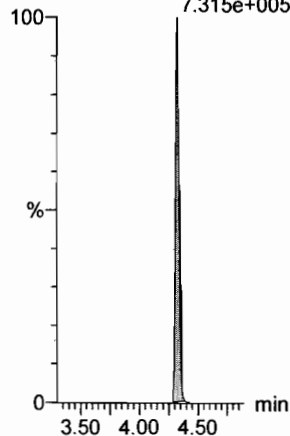
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.315e+005



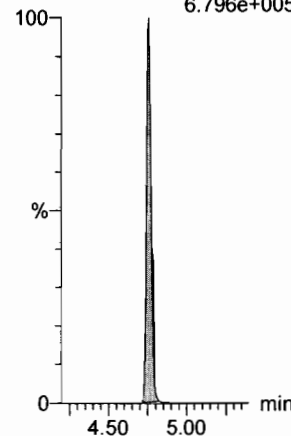
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
7.315e+005



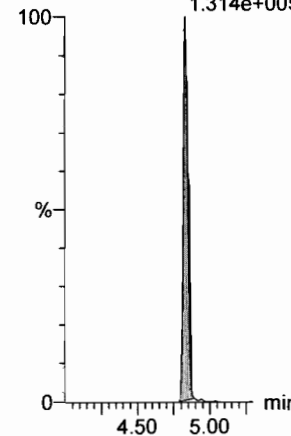
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
6.796e+005



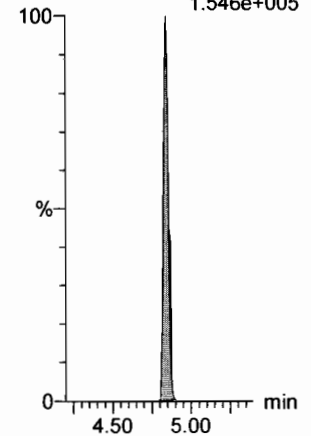
**13C8-PFOSA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
1.314e+005



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
1.546e+005



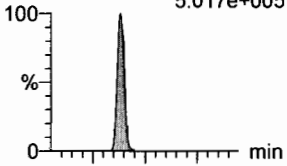
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Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

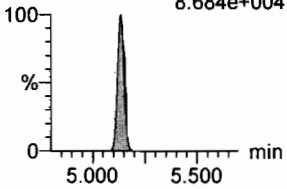
Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
5.017e+005

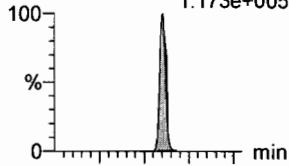


F36:MRM of 2 channels,ES-  
513 > 219  
8.684e+004

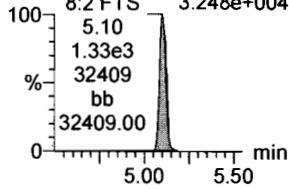


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.173e+005

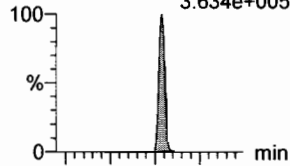


F41:MRM of 2 channels,ES-  
527 > 80  
3.248e+004

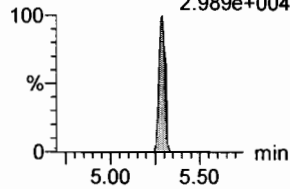


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
3.634e+005

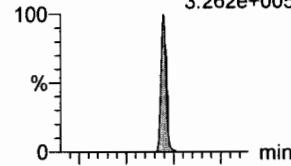


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
2.989e+004

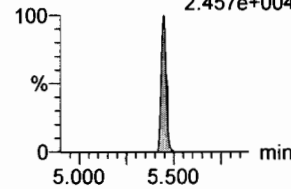


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
3.262e+005

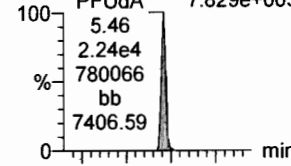


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
2.457e+004

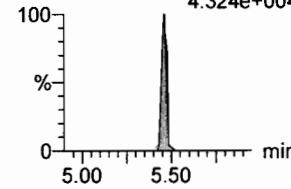


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
7.829e+005

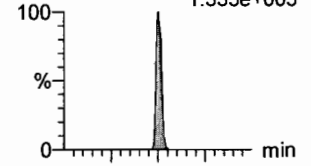


F45:MRM of 2 channels,ES-  
563.0 > 269  
4.324e+004

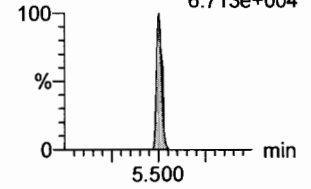


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
1.335e+005

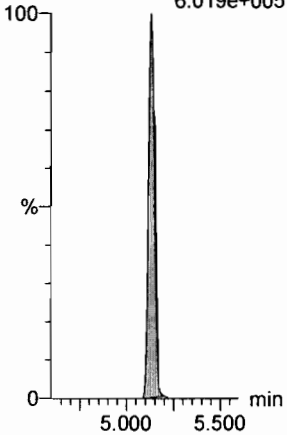


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
6.713e+004



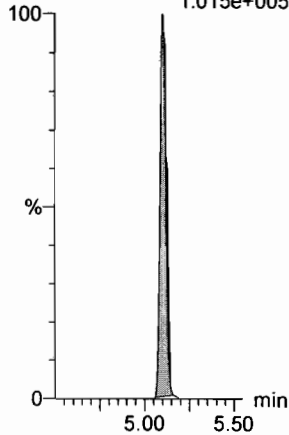
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
6.019e+005



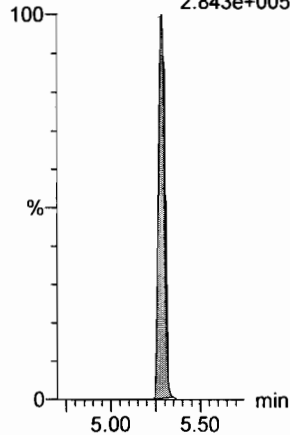
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.015e+005



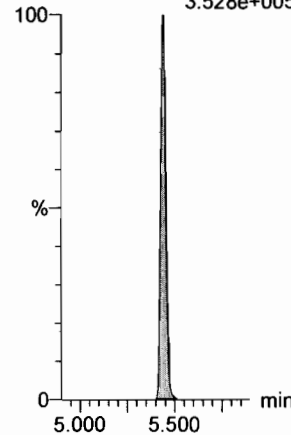
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.843e+005



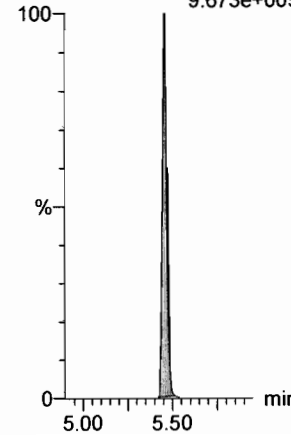
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.528e+005



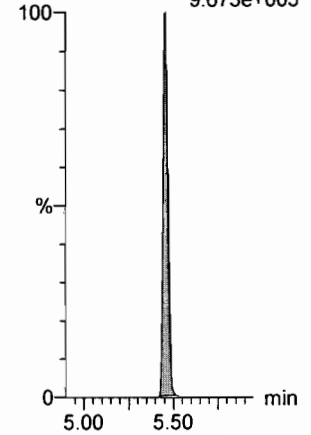
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.673e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.673e+005



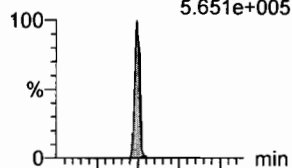
Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time  
Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

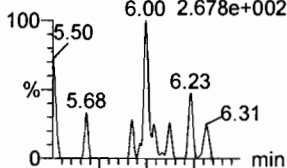
**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
5.651e+005



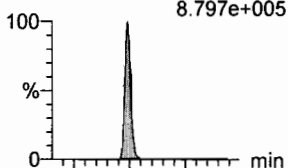
**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
2.678e+002



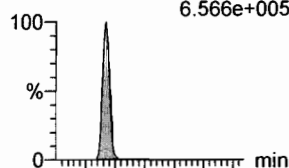
**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
8.797e+005



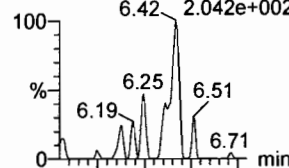
**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
6.566e+005



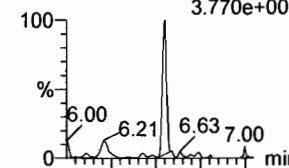
**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
2.042e+002

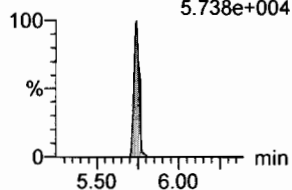


**PFHxDA**

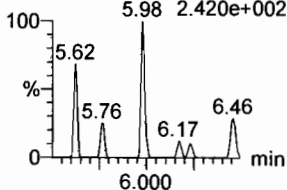
F62:MRM of 2 channels,ES-  
813.1 > 768.6  
3.770e+003



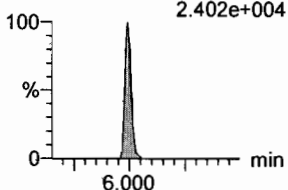
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
5.738e+004



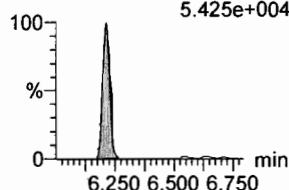
F35:MRM of 2 channels,ES-  
512.1 > 219  
2.420e+002



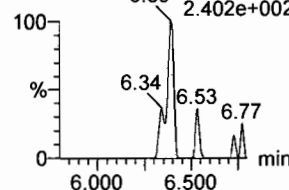
F59:MRM of 2 channels,ES-  
662.9 > 319  
2.402e+004



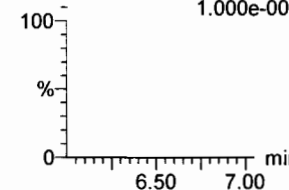
F60:MRM of 2 channels,ES-  
712.9 > 369  
5.425e+004



F40:MRM of 2 channels,ES-  
526.1 > 219  
2.402e+002

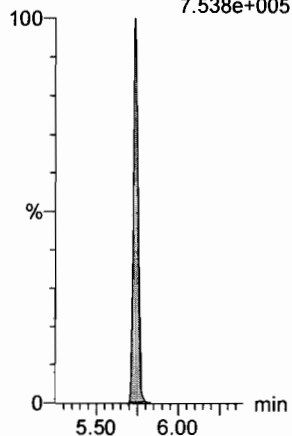


F62:MRM of 2 channels,ES-  
813.1 > 219  
1.000e-003



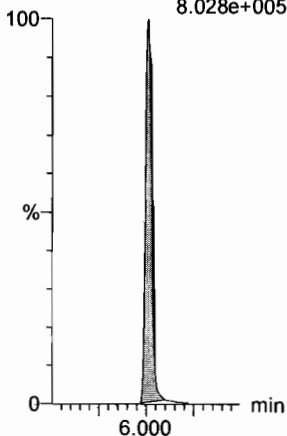
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
7.538e+005



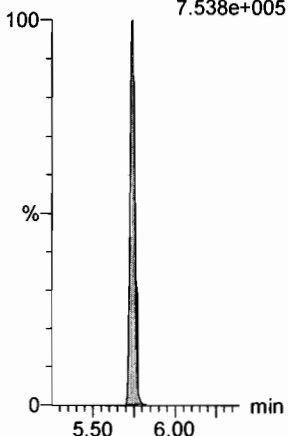
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.028e+005



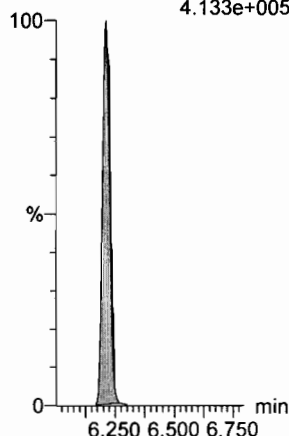
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
7.538e+005



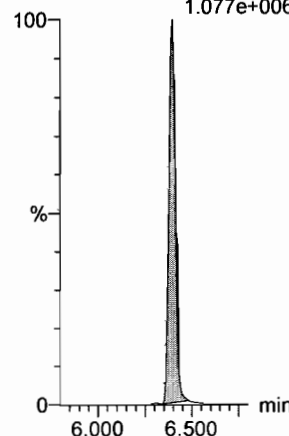
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
4.133e+005



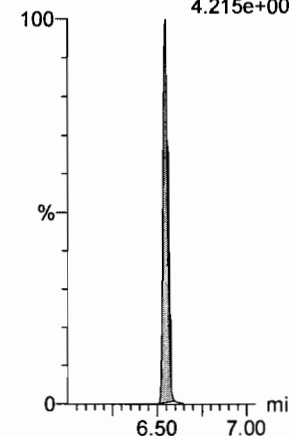
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.077e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
4.215e+005



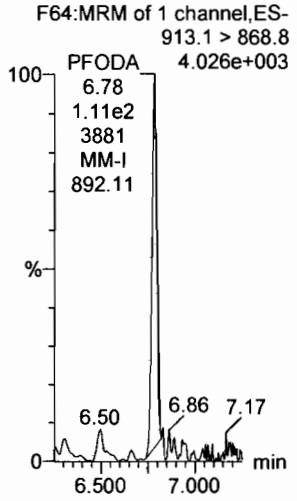
Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time

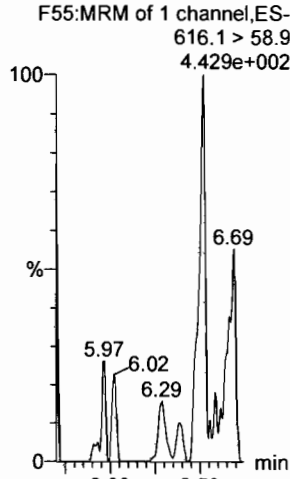
Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

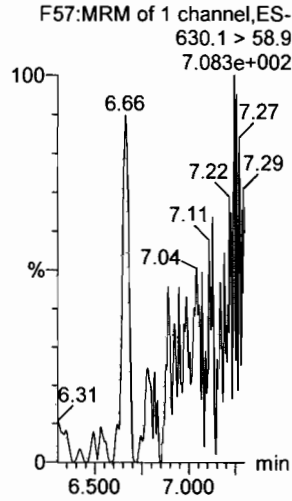
**PFODA**



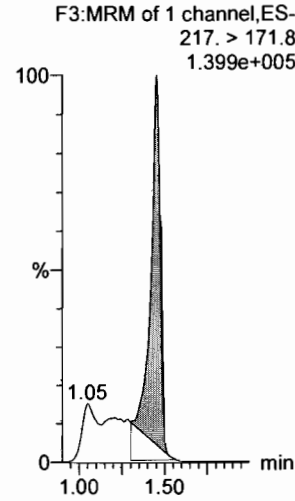
**N-MeFOSE**



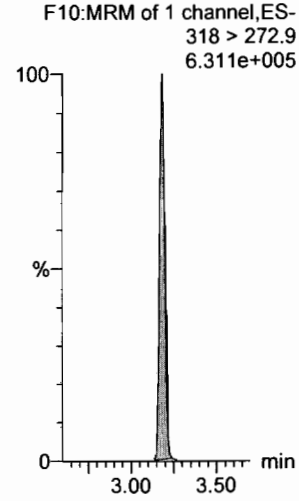
**N-EtFOSE**



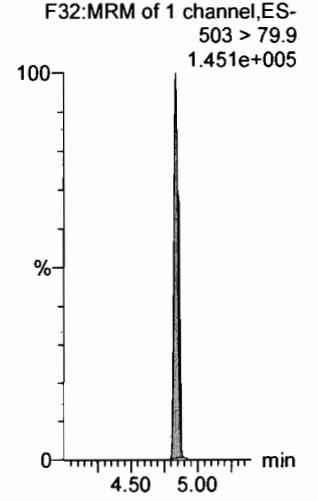
**13C4-PFBA**



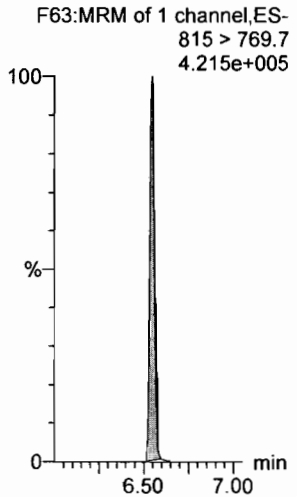
**13C5-PFHxA**



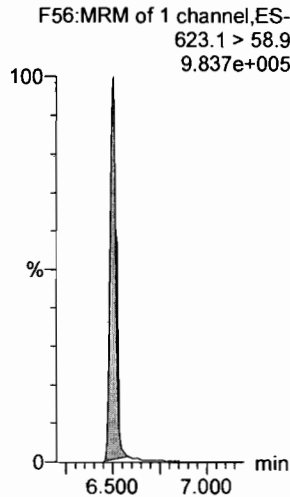
**13C4-PFOS**



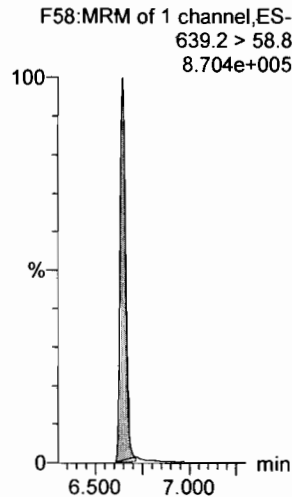
**13C2-PFHxDA**



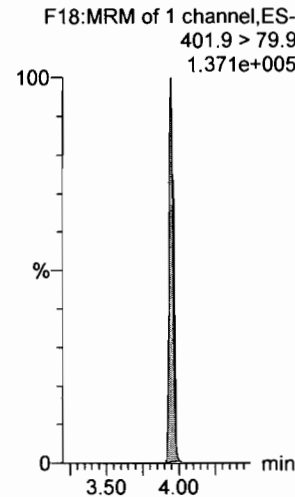
**d7-N-MeFOSE**



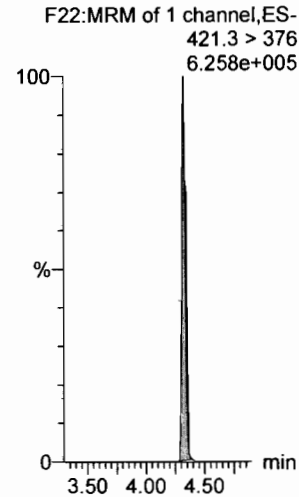
**d9-N-EtFOSE**



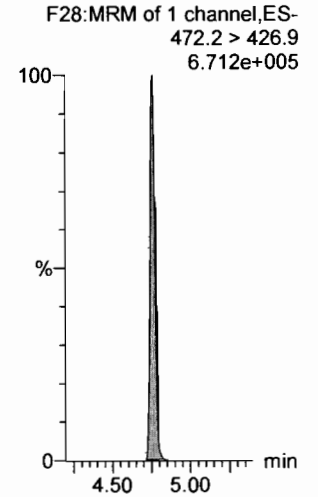
**13C3-PFHxS**



**13C8-PFOA**



**13C9-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M2\180307M2-13.qld

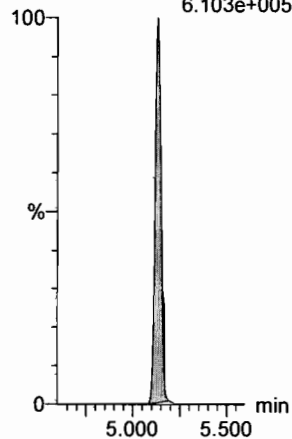
Last Altered: Friday, March 09, 2018 12:51:42 Pacific Standard Time

Printed: Friday, March 09, 2018 12:51:46 Pacific Standard Time

Name: 180307M2\_13, Date: 08-Mar-2018, Time: 09:48:06, ID: ICV180307M1-1 PFC ICV 18B2812, Description: PFC ICV 18B2812

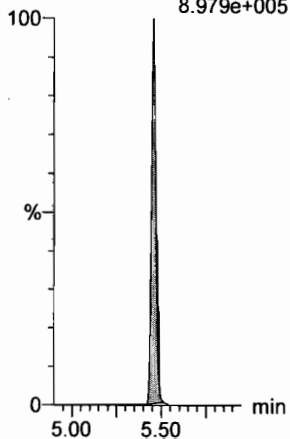
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
6.103e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
8.979e+005





Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

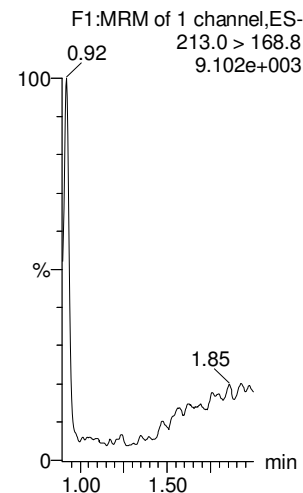
Printed: Friday, March 09, 2018 10:57:55 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 15:11:54

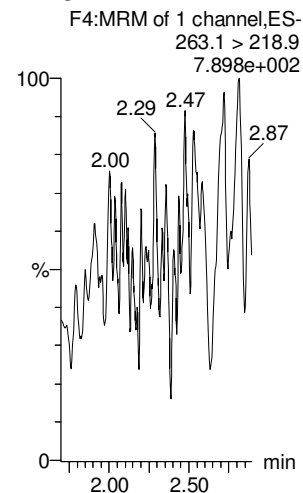
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL\_FVM.cdb 09 Mar 2018 10:23:40

Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

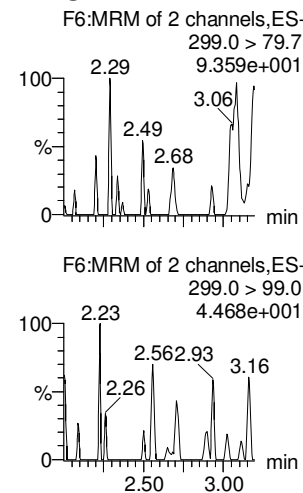
**PFBA**



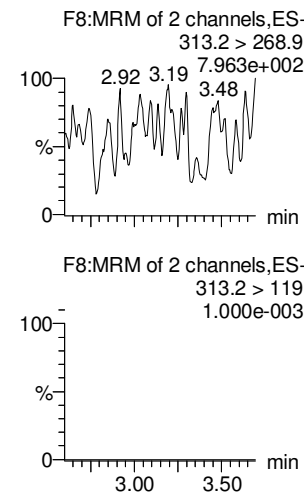
**PFPeA**



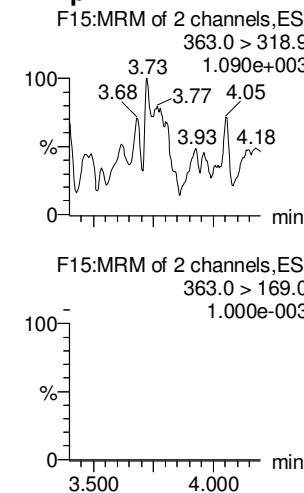
**PFBS**



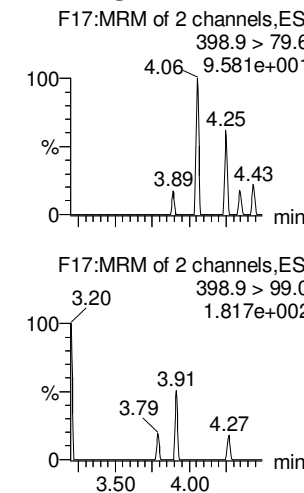
**PFHxA**



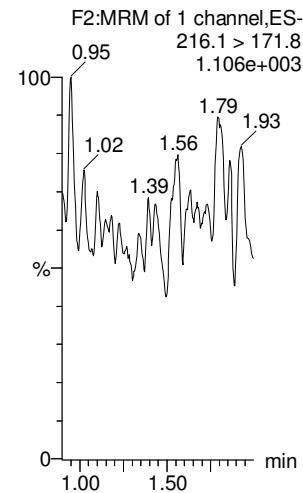
**PFHpA**



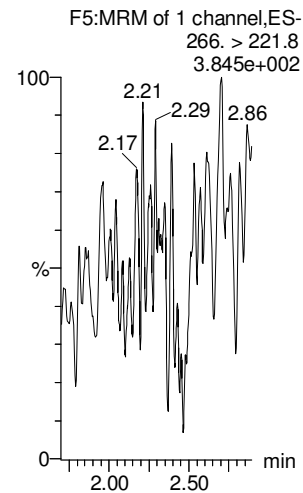
**L-PFHxS**



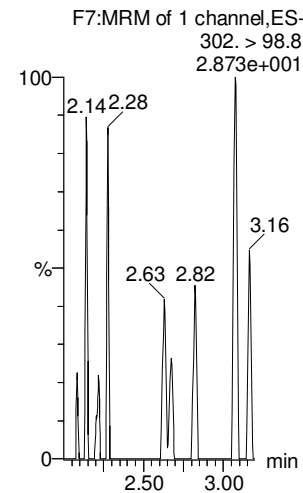
**13C3-PFBA**



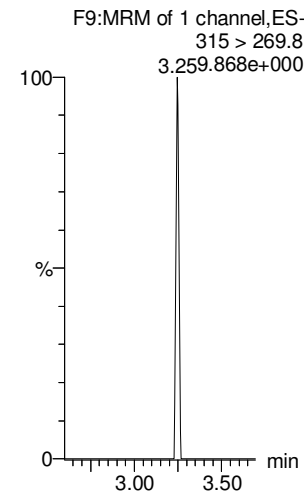
**13C3-PFPeA**



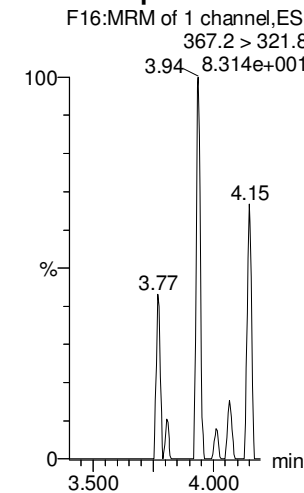
**13C3-PFBS**



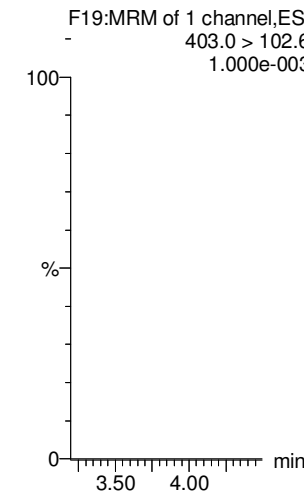
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



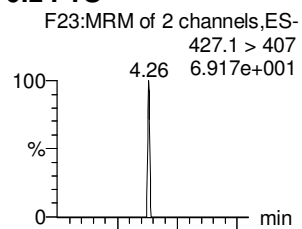
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Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

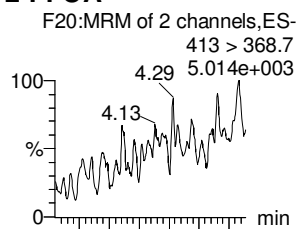
Printed: Friday, March 09, 2018 10:57:55 Pacific Standard Time

Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

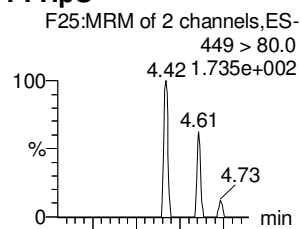
**6:2 FTS**



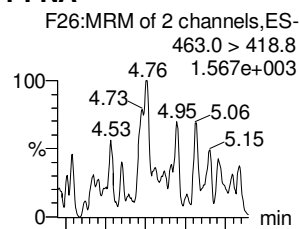
**L-PFOA**



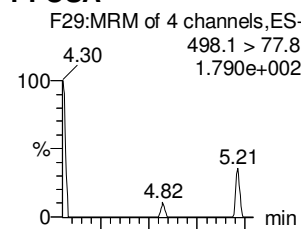
**PFHpS**



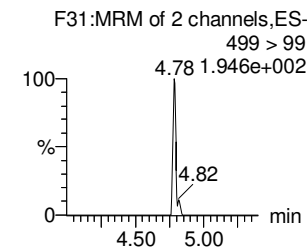
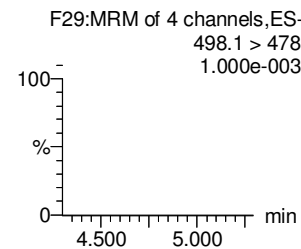
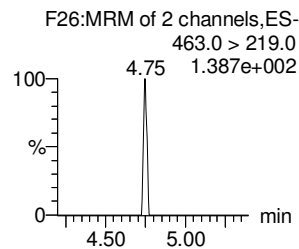
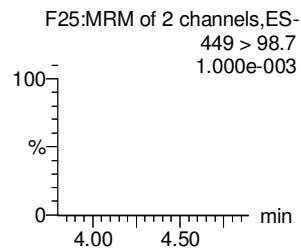
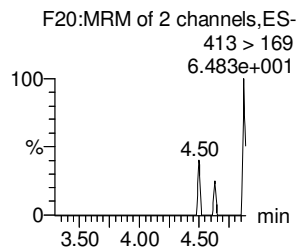
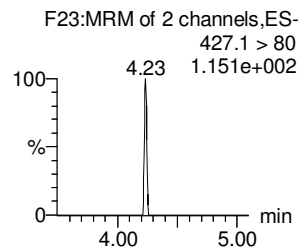
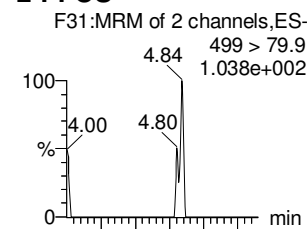
**PFNA**



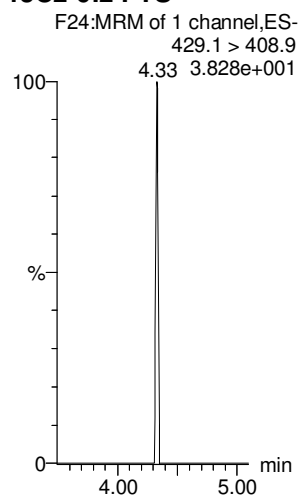
**PFOSA**



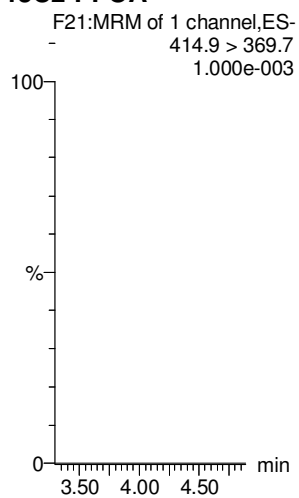
**L-PFOS**



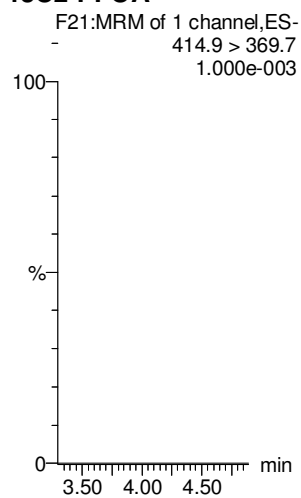
**13C2-6:2 FTS**



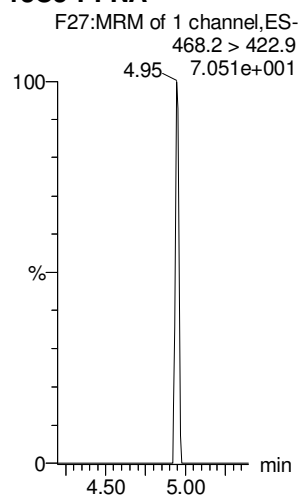
**13C2-PFOA**



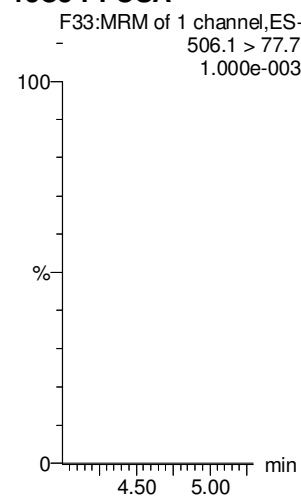
**13C2-PFOA**



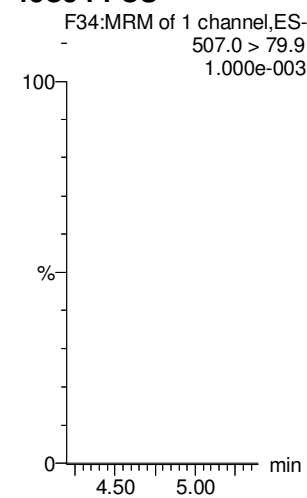
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

Printed: Friday, March 09, 2018 10:57:55 Pacific Standard Time

Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

**PFDA**

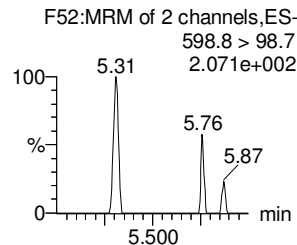
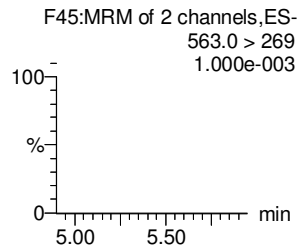
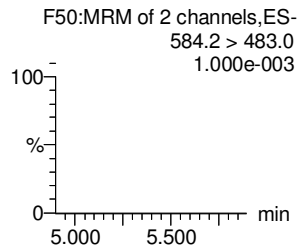
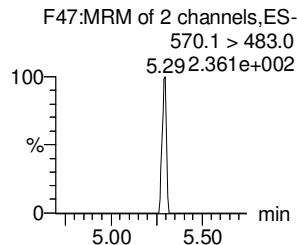
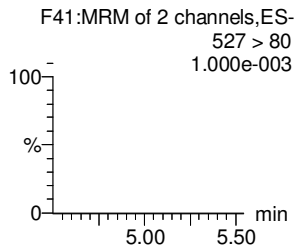
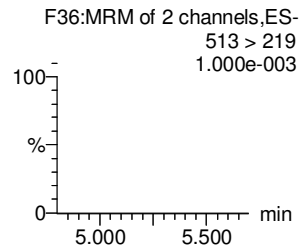
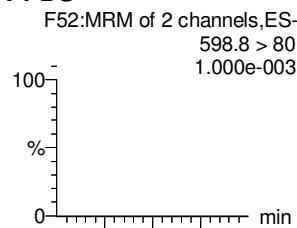
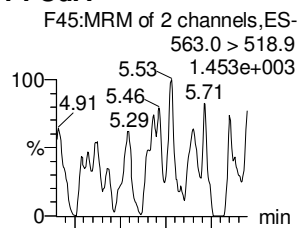
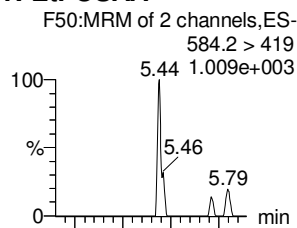
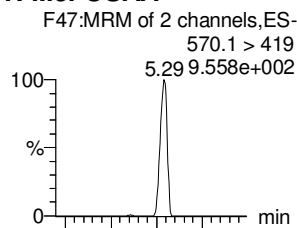
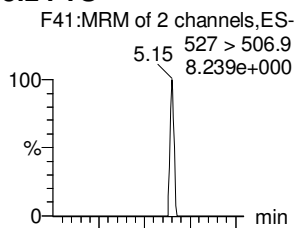
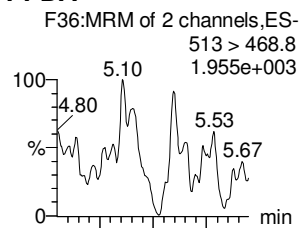
**8:2 FTS**

**N-MeFOSAA**

**N-EtFOSAA**

**PFUdA**

**PFDS**



**13C2-PFDA**

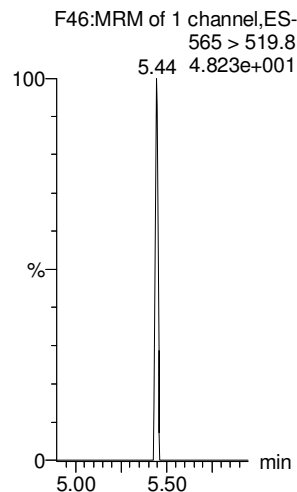
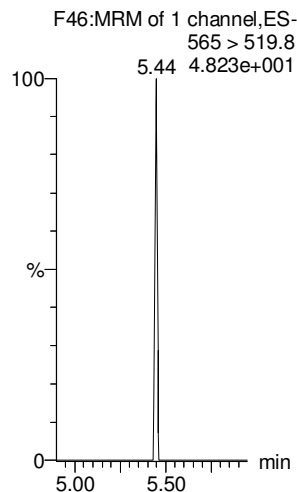
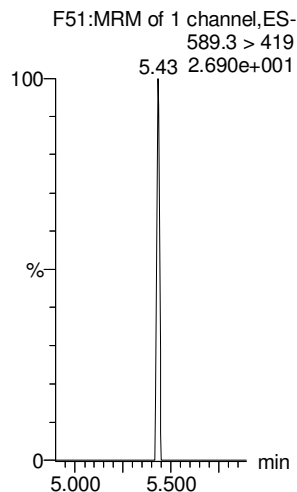
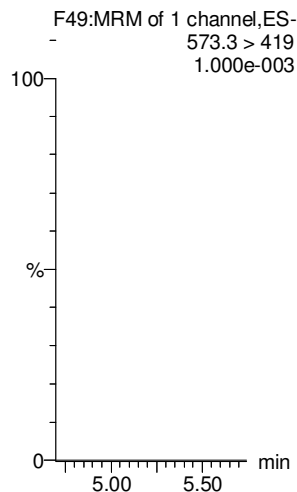
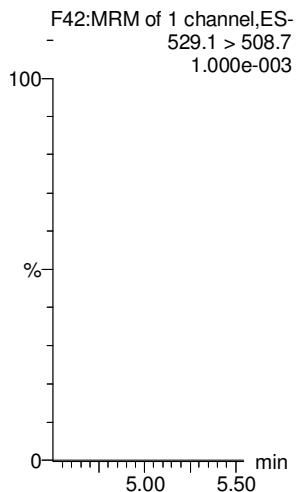
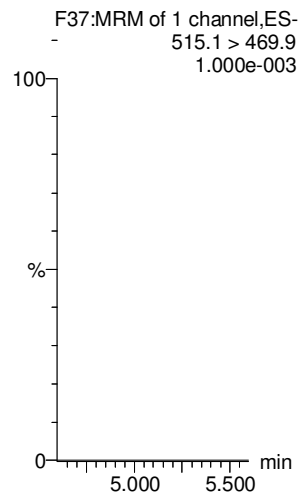
**13C2-8:2 FTS**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUdA**

**13C2-PFUdA**



Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

Printed: Friday, March 09, 2018 10:57:55 Pacific Standard Time

Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

**PFDoA**

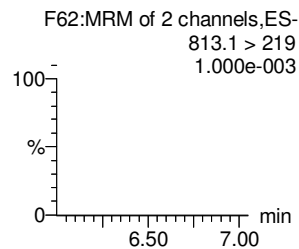
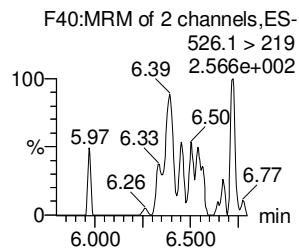
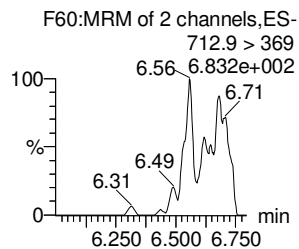
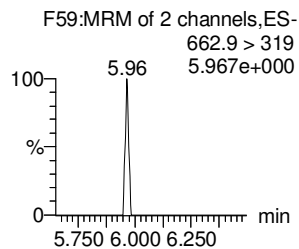
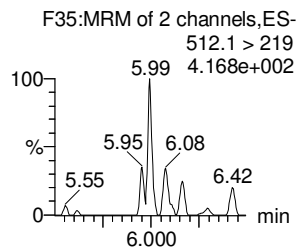
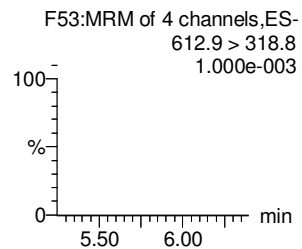
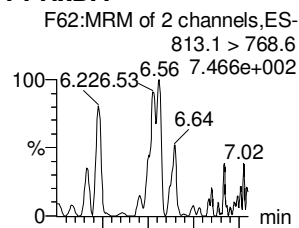
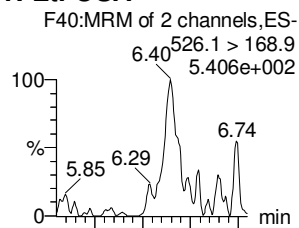
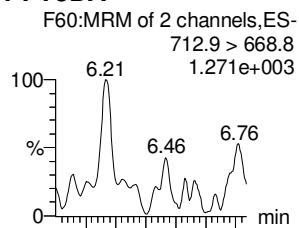
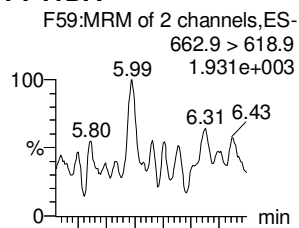
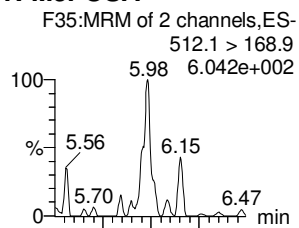
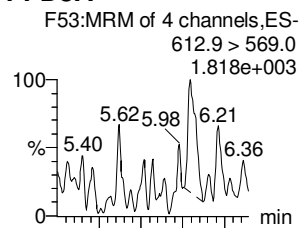
**N-MeFOSA**

**PFTrDA**

**PFTeDA**

**N-EtFOSA**

**PFHxDA**



**13C2-PFDoA**

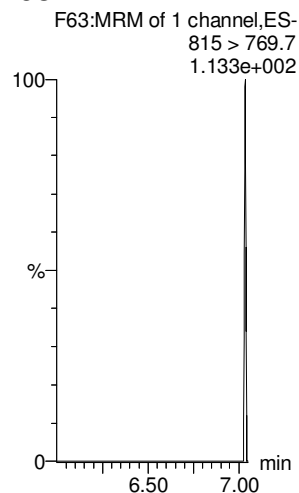
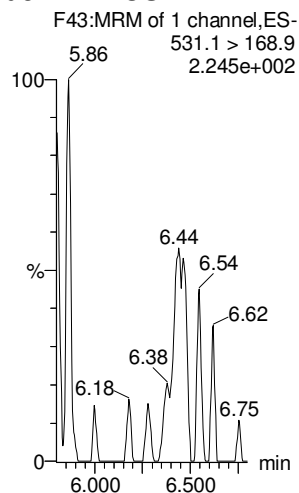
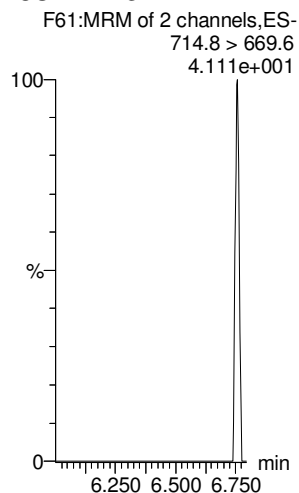
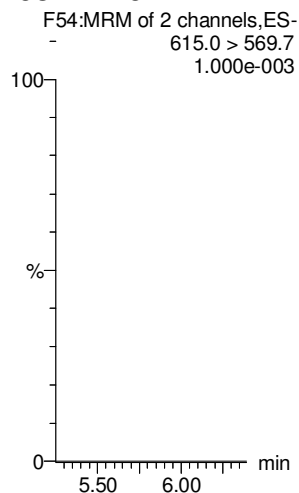
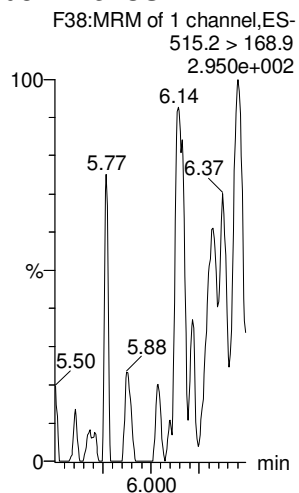
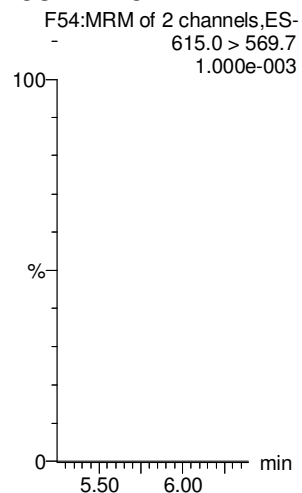
**d3-N-MeFOSA**

**13C2-PFDoA**

**13C2-PFTeDA**

**d5-N-ETFOSA**

**13C2-PFHxDA**



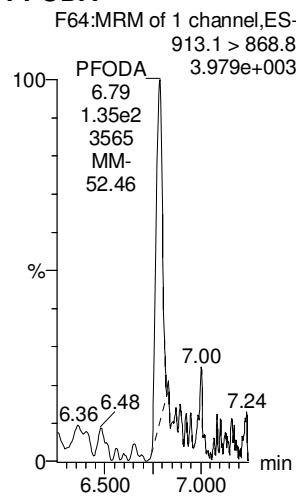
Dataset: Untitled

Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

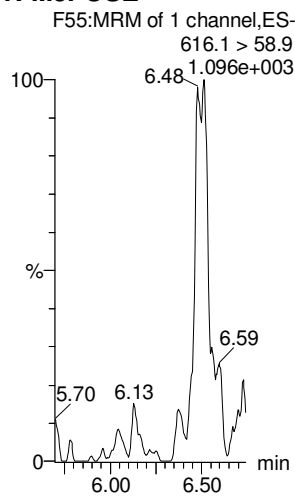
Printed: Friday, March 09, 2018 10:57:55 Pacific Standard Time

Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

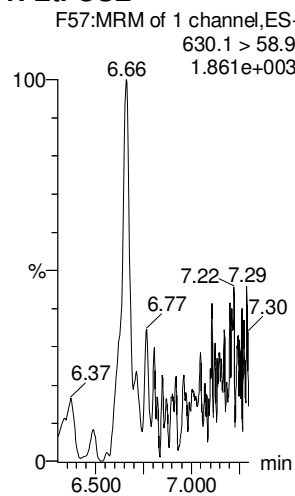
**PFODA**



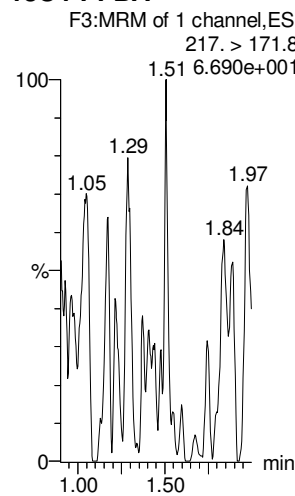
**N-MeFOSE**



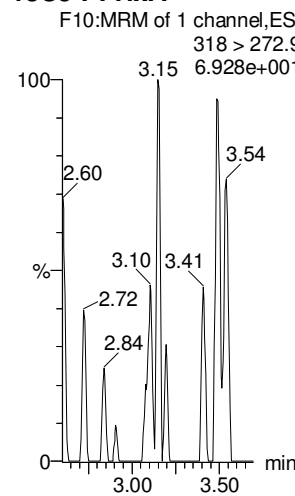
**N-EtFOSE**



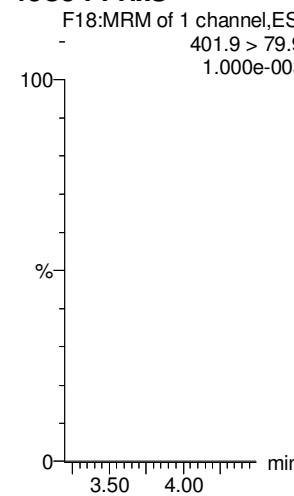
**13C4-PFBA**



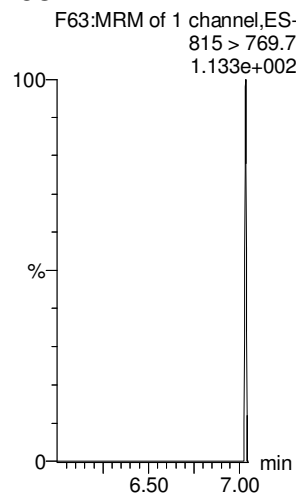
**13C5-PFHxA**



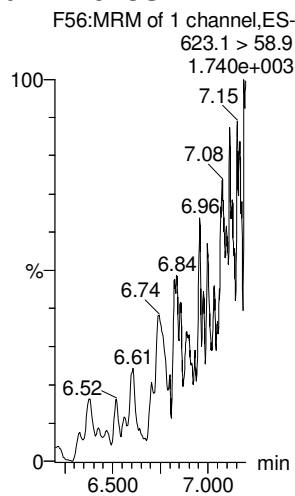
**13C3-PFHxS**



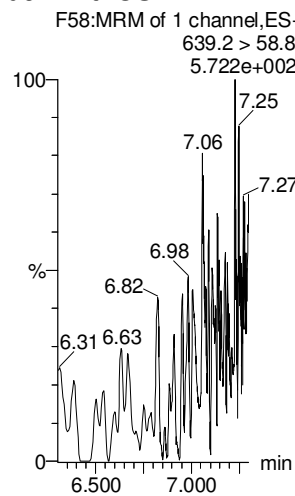
**13C2-PFHxDA**



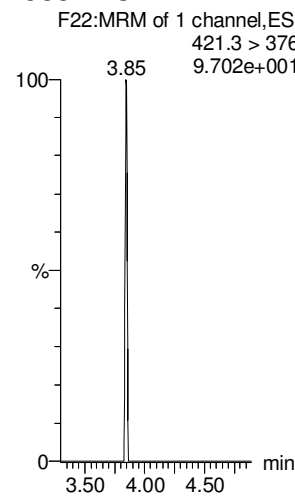
**d7-N-MeFOSE**



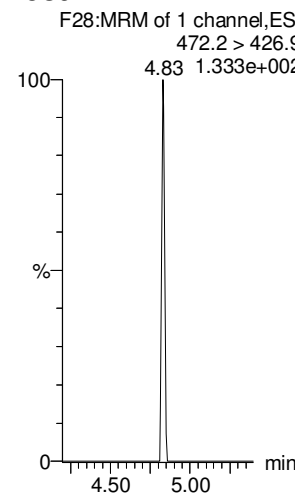
**d9-N-EtFOSE**



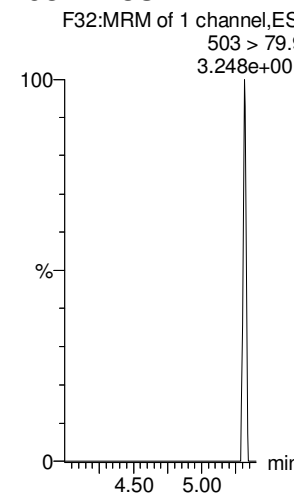
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: Untitled

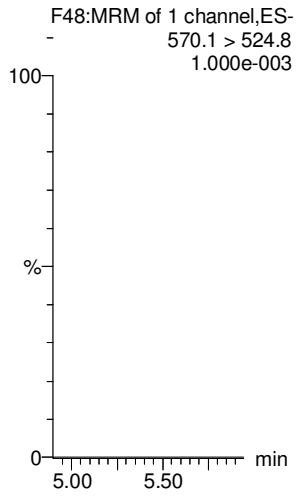
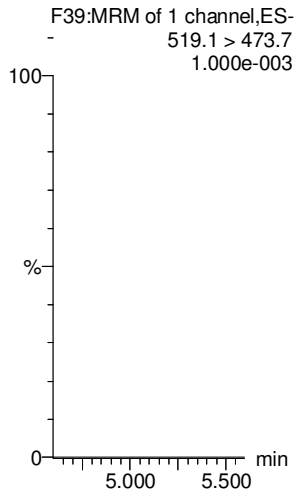
Last Altered: Friday, March 09, 2018 10:57:42 Pacific Standard Time

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Name: 180307M2\_12, Date: 08-Mar-2018, Time: 09:36:36, ID: IPA, Description: IPA

13C6-PFDA

13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:45 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14  
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:45:01

*Handwritten:* ✓ VEF 3/8/18  
 dm 3/9/18

**Compound name: PFBA**

Correlation coefficient:  $r = 0.999897$ ,  $r^2 = 0.999793$

Calibration curve:  $1.00856 * x + -0.022372$

Response type: Internal Std ( Ref 34 ), 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 180307M1_6	Standard	0.250	1.43	194.079	9824.608	0.247	0.3	6.8	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	1.44	371.026	9895.282	0.469	0.5	-2.6	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	1.44	665.178	10102.556	0.823	0.8	-16.2	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	1.44	1495.144	9841.975	1.899	1.9	-4.7	NO	1.000	NO	bb
5	5 180307M1_10	Standard	5.000	1.44	4043.931	9842.197	5.136	5.1	2.3	NO	1.000	NO	MM
6	6 180307M1_11	Standard	10.000	1.44	8255.447	10122.453	10.194	10.1	1.3	NO	1.000	NO	MM
7	7 180307M1_12	Standard	50.000	1.44	41041.172	9850.197	52.082	51.7	3.3	NO	1.000	NO	MM
8	8 180307M1_13	Standard	100.000	1.44	85307.695	10479.329	101.757	100.9	0.9	NO	1.000	NO	MM
9	9 180307M1_14	Standard	250.000	1.44	202725.531	9942.326	254.877	252.7	1.1	NO	1.000	NO	MM
10	10 180307M1_15	Standard	500.000	1.44	362577.094	9084.362	498.903	494.7	-1.1	NO	1.000	NO	MM

**Compound name: PFPeA**

Correlation coefficient:  $r = 0.999865$ ,  $r^2 = 0.999730$

Calibration curve:  $0.815683 * x + 0.0460859$

Response type: Internal Std ( Ref 35 ), 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 180307M1_6	Standard	0.250	2.40	448.125	23821.547	0.235	0.2	-7.3	NO	1.000	NO	MM
2	2 180307M1_7	Standard	0.500	2.40	850.410	24512.961	0.434	0.5	-5.0	NO	1.000	NO	MM
3	3 180307M1_8	Standard	1.000	2.40	1659.852	24096.129	0.861	1.0	-0.1	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	2.40	3329.359	24542.238	1.696	2.0	1.1	NO	1.000	NO	bb
5	5 180307M1_10	Standard	5.000	2.40	8037.726	24455.305	4.108	5.0	-0.4	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	2.41	17697.271	25070.332	8.824	10.8	7.6	NO	1.000	NO	bb
7	7 180307M1_12	Standard	50.000	2.40	83312.695	24243.928	42.955	52.6	5.2	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	2.40	161991.781	24764.072	81.768	100.2	0.2	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	2.40	381705.438	23718.857	201.161	246.6	-1.4	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: PFPeA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180307M1_15	Standard	500.000	2.41	731800.188	22429.846	407.827	499.9	-0.0	NO	1.000	NO	bb

**Compound name: PFBS**

Coefficient of Determination: R^2 = 0.999430

Calibration curve:  $-0.000158919 * x^2 + 1.67715 * x + -0.0687622$

Response type: Internal Std ( Ref 36 ), 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 180307M1_6	Standard	0.250	2.67	78.760	2998.788	0.328	0.2	-5.3	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	2.68	178.157	2904.141	0.767	0.5	-0.4	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	2.68	347.564	2938.982	1.478	0.9	-7.8	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	2.68	795.848	3072.259	3.238	2.0	-1.4	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	2.68	1962.355	2840.206	8.636	5.2	3.9	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	2.68	4317.004	2997.817	18.001	10.8	7.8	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	2.68	19765.262	2762.643	89.431	53.6	7.3	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	2.68	37082.902	2886.854	160.568	96.7	-3.3	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	2.68	88900.234	2747.992	404.387	246.9	-1.2	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	2.68	158127.609	2465.526	801.693	501.9	0.4	NO	0.999	NO	bb

**Compound name: 4:2 FTS**

Coefficient of Determination: R^2 = 0.998598

Calibration curve:  $-0.00054105 * x^2 + 1.8746 * x + 0.00712519$

Response type: Internal Std ( Ref 36 ), 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 180307M1_6	Standard	0.250	3.08	123.089	2998.788	0.513	0.3	8.0	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	3.08	191.622	2904.141	0.825	0.4	-12.8	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	3.08	396.135	2938.982	1.685	0.9	-10.5	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	3.08	959.908	3072.259	3.906	2.1	4.0	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	3.08	2328.545	2840.206	10.248	5.5	9.4	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	3.08	4797.995	2997.817	20.006	10.7	7.0	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	3.08	20049.088	2762.643	90.715	49.1	-1.8	NO	0.999	NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**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 180307M1_13	Standard	100.000	3.08	39137.945	2886.854	169.466	92.9	-7.1	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	3.08	99793.227	2747.992	453.937	262.0	4.8	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	3.08	156836.188	2465.526	795.146	494.8	-1.0	NO	0.999	NO	bb

**Compound name: PFHxA**

Coefficient of Determination: R<sup>2</sup> = 0.998788  
 Calibration curve: 2.06682e-005 \* x<sup>2</sup> + 1.18443 \* x + 0.0839874  
 Response type: Internal Std ( Ref 37 ), 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 180307M1_6	Standard	0.250	3.17	642.545	8045.409	0.399	0.3	6.5	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	3.17	1113.932	8241.752	0.676	0.5	-0.1	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	3.17	2152.664	8658.153	1.243	1.0	-2.1	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	3.17	4231.544	8588.753	2.463	2.0	0.4	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	3.17	10790.736	8191.793	6.586	5.5	9.8	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	3.18	22358.959	8690.966	12.863	10.8	7.9	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	3.17	106391.031	8074.999	65.877	55.5	11.0	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	3.18	199829.859	8629.913	115.777	97.5	-2.5	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	3.17	470703.813	8186.364	287.493	241.6	-3.3	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	3.18	905466.438	7515.802	602.375	504.1	0.8	NO	0.999	NO	bb

**Compound name: PFPeS**

Correlation coefficient: r = 0.998848, r<sup>2</sup> = 0.997698  
 Calibration curve: 1.44062 \* x + 0.0351081  
 Response type: Internal Std ( Ref 36 ), 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 180307M1_6	Standard	0.250	3.37	79.864	2998.788	0.333	0.2	-17.3	NO	0.998	NO	bb
2	2 180307M1_7	Standard	0.500	3.37	182.390	2904.141	0.785	0.5	4.1	NO	0.998	NO	bb
3	3 180307M1_8	Standard	1.000	3.37	344.497	2938.982	1.465	1.0	-0.7	NO	0.998	NO	bb
4	4 180307M1_9	Standard	2.000	3.37	726.595	3072.259	2.956	2.0	1.4	NO	0.998	NO	bb
5	5 180307M1_10	Standard	5.000	3.37	1652.057	2840.206	7.271	5.0	0.5	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time  
 Printed: Thursday, March 08, 2018 11:54:45 Pacific Standard Time

**Compound name: PFPeS**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180307M1_11	Standard	10.000	3.37	3557.608	2997.817	14.834	10.3	2.7	NO	0.998	NO	bb
7	7 180307M1_12	Standard	50.000	3.37	17431.309	2762.643	78.871	54.7	9.4	NO	0.998	NO	bb
8	8 180307M1_13	Standard	100.000	3.37	32392.057	2886.854	140.257	97.3	-2.7	NO	0.998	NO	bb
9	9 180307M1_14	Standard	250.000	3.37	84025.383	2747.992	382.213	265.3	6.1	NO	0.998	NO	bb
10	10 180307M1_15	Standard	500.000	3.37	137071.000	2465.526	694.938	482.4	-3.5	NO	0.998	NO	bb

**Compound name: PFHpA**

Correlation coefficient:  $r = 0.999706$ ,  $r^2 = 0.999412$

Calibration curve:  $1.14274 * x + 0.100127$

Response type: Internal Std ( Ref 38 ), 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 180307M1_6	Standard	0.250	3.79	601.594	19264.957	0.390	0.3	1.6	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	3.79	1022.299	20968.758	0.609	0.4	-10.9	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	3.79	2085.899	21312.088	1.223	1.0	-1.7	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	3.79	4310.170	21872.414	2.463	2.1	3.4	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	3.79	10173.002	20555.994	6.186	5.3	6.5	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	3.79	20383.949	21111.221	12.069	10.5	4.7	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	3.79	97923.523	21575.760	56.732	49.6	-0.9	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	3.79	191572.563	21210.900	112.897	98.7	-1.3	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	3.79	404803.438	18323.604	276.149	241.6	-3.4	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	3.79	790276.000	16968.271	582.172	509.4	1.9	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: L-PFHxS**

Coefficient of Determination: R<sup>2</sup> = 0.998479

Calibration curve: -0.000155194 \* x<sup>2</sup> + 1.60684 \* x + 0.149402

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 180307M1_6	Standard	0.250	3.94	86.957	2446.629	0.444	0.2	-26.6	NO	0.998	NO	MM
2	2 180307M1_7	Standard	0.500	3.94	168.544	2229.568	0.945	0.5	-1.0	NO	0.998	NO	MM
3	3 180307M1_8	Standard	1.000	3.94	306.027	2530.283	1.512	0.8	-15.2	NO	0.998	NO	MM
4	4 180307M1_9	Standard	2.000	3.94	669.020	2174.850	3.845	2.3	15.0	NO	0.998	NO	MM
5	5 180307M1_10	Standard	5.000	3.94	1449.511	2040.889	8.878	5.4	8.7	NO	0.998	NO	MM
6	6 180307M1_11	Standard	10.000	3.94	3120.296	2088.434	18.676	11.5	15.4	NO	0.998	NO	MM
7	7 180307M1_12	Standard	50.000	3.94	16173.366	2286.957	88.400	55.2	10.4	NO	0.998	NO	MM
8	8 180307M1_13	Standard	100.000	3.94	29810.514	2472.129	150.733	94.6	-5.4	NO	0.998	NO	MM
9	9 180307M1_14	Standard	250.000	3.94	70056.133	2277.938	384.427	244.9	-2.0	NO	0.998	NO	MM
10	10 180307M1_15	Standard	500.000	3.94	125946.789	2046.028	769.459	503.2	0.6	NO	0.998	NO	MM

**Compound name: 6:2 FTS**

Coefficient of Determination: R<sup>2</sup> = 0.997316

Calibration curve: -0.00163396 \* x<sup>2</sup> + 0.889965 \* x + 0.0235723

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 180307M1_6	Standard	0.250	4.26	120.802	6496.750	0.232	0.2	-6.1	NO	0.997	NO	MM
2	2 180307M1_7	Standard	0.500	4.26	283.397	6105.219	0.580	0.6	25.2	NO	0.997	NO	bb
3	3 180307M1_8	Standard	1.000	4.26	547.969	7310.973	0.937	1.0	2.8	NO	0.997	NO	bb
4	4 180307M1_9	Standard	2.000	4.25	750.885	6508.431	1.442	1.6	-20.1	NO	0.997	NO	bb
5	5 180307M1_10	Standard	5.000	4.26	2448.465	6992.279	4.377	4.9	-1.3	NO	0.997	NO	bb
6	6 180307M1_11	Standard	10.000	4.26	5477.008	6942.190	9.862	11.3	12.9	NO	0.997	NO	bb
7	7 180307M1_12	Standard	50.000	4.26	23134.953	7413.398	39.009	48.0	-3.9	NO	0.997	NO	bb
8	8 180307M1_13	Standard	100.000	4.26	43256.707	7377.302	73.294	101.1	1.1	NO	0.997	NO	bb
9	9 180307M1_14	Standard	250.000	4.26	100097.742	10519.205	118.946	235.1	-5.9	NO	0.997	NO	bbX
10	10 180307M1_15	Standard	500.000	4.26	176143.375	14640.680	150.389			NO	0.997	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14  
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:58:32

**Compound name: L-PFOA**

Coefficient of Determination:  $R^2 = 0.999417$   
 Calibration curve:  $5.73747e-005 * x^2 + 0.86389 * x + 0.0785332$   
 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 180307M1_6	Standard	0.250	4.31	776.586	30532.664	0.318	0.3	10.8	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	4.32	1136.760	31370.914	0.453	0.4	-13.3	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	4.32	2476.660	33852.918	0.914	1.0	-3.2	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	4.31	4997.812	33526.359	1.863	2.1	3.3	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	4.31	11043.885	32575.051	4.238	4.8	-3.7	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	4.32	22526.799	32186.586	8.749	10.0	0.3	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	4.31	112705.828	29946.346	47.045	54.2	8.3	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	4.32	216113.953	31212.947	86.548	99.4	-0.6	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	4.31	468675.000	27353.451	214.175	243.9	-2.4	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	4.31	937526.563	26110.033	448.834	502.7	0.5	NO	0.999	NO	bb

**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.999237$   
 Calibration curve:  $2.33731e-006 * x^2 + 0.16903 * x + -0.010638$   
 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 180307M1_6	Standard	0.250	4.42	80.331	30532.664	0.033	0.3	3.0	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	4.42	172.781	31370.914	0.069	0.5	-6.0	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	4.42	411.019	33852.918	0.152	1.0	-3.9	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	4.42	971.447	33526.359	0.362	2.2	10.3	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	4.42	1911.179	32575.051	0.733	4.4	-12.0	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	4.42	4649.498	32186.586	1.806	10.7	7.4	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	4.42	20999.701	29946.346	8.766	51.9	3.8	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	4.42	40987.297	31212.947	16.414	97.0	-3.0	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	4.42	93059.523	27353.451	42.526	250.8	0.3	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	4.42	161274.703	26110.033	77.209	454.0	-9.2	NO	0.999	NO	bbX

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**Compound name: PFNA**

Coefficient of Determination: R<sup>2</sup> = 0.999133

Calibration curve:  $-7.09061e-005 * x^2 + 1.09067 * x + 0.103342$

Response type: Internal Std ( Ref 42 ), 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 180307M1_6	Standard	0.250	4.75	679.115	22022.002	0.385	0.3	3.5	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	4.75	1161.998	25206.621	0.576	0.4	-13.3	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	4.75	2617.011	23178.902	1.411	1.2	19.9	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	4.75	4358.626	25129.461	2.168	1.9	-5.3	NO	0.999	NO	MM
5	5 180307M1_10	Standard	5.000	4.75	10313.697	26929.178	4.787	4.3	-14.1	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	4.75	24257.969	26737.170	11.341	10.3	3.1	NO	0.999	NO	MM
7	7 180307M1_12	Standard	50.000	4.75	127672.219	27318.008	58.419	53.7	7.3	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	4.75	237237.438	26922.209	110.150	101.6	1.6	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	4.75	516944.750	24920.957	259.292	241.4	-3.4	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	4.75	990949.813	23305.322	531.504	503.7	0.7	NO	0.999	NO	bb

**Compound name: PFOSA**

Correlation coefficient: r = 0.999687, r<sup>2</sup> = 0.999374

Calibration curve:  $0.904782 * x + -0.0377316$

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 180307M1_6	Standard	0.250	4.83	68.302	4919.574	0.174	0.2	-6.6	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	4.83	141.983	5854.420	0.303	0.4	-24.6	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	4.83	392.712	4777.905	1.027	1.2	17.7	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	4.83	877.259	5815.987	1.885	2.1	6.3	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	4.83	2162.952	5906.317	4.578	5.1	2.0	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	4.83	4224.673	5900.859	8.949	9.9	-0.7	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	4.83	20369.197	5435.145	46.846	51.8	3.6	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	4.83	38589.398	5248.169	91.912	101.6	1.6	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	4.83	89314.445	4805.989	232.300	256.8	2.7	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	4.83	159290.625	4495.495	442.917	489.6	-2.1	NO	0.999	NO	bb

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**Compound name: L-PFOS**

Coefficient of Determination: R<sup>2</sup> = 0.994319

Calibration curve: -0.000338774 \* x<sup>2</sup> + 1.09806 \* x + -0.250673

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 180307M1_6	Standard	0.250	4.83	120.573	6218.598	0.242	0.4	79.6	YES	0.994	NO	MMX
2	2 180307M1_7	Standard	0.500	4.84	193.438	5402.603	0.448	0.6	27.2	NO	0.994	NO	MM
3	3 180307M1_8	Standard	1.000	4.84	431.908	5358.291	1.008	1.1	14.6	NO	0.994	NO	MM
4	4 180307M1_9	Standard	2.000	4.84	903.797	6202.607	1.821	1.9	-5.6	NO	0.994	NO	MM
5	5 180307M1_10	Standard	5.000	4.83	2217.358	5824.164	4.759	4.6	-8.6	NO	0.994	NO	MM
6	6 180307M1_11	Standard	10.000	4.84	4180.268	6158.780	8.484	8.0	-20.3	NO	0.994	NO	MM
7	7 180307M1_12	Standard	50.000	4.84	22783.447	6672.159	42.684	39.6	-20.8	NO	0.994	NO	MM
8	8 180307M1_13	Standard	100.000	4.84	44142.723	4623.723	119.338	112.8	12.8	NO	0.994	NO	MM
9	9 180307M1_14	Standard	250.000	4.83	108981.984	5302.071	256.933	254.1	1.7	NO	0.994	NO	MM
10	10 180307M1_15	Standard	500.000	4.84	189897.953	5152.529	460.691	495.5	-0.9	NO	0.994	NO	MM

**Compound name: PFDA**

Coefficient of Determination: R<sup>2</sup> = 0.999780

Calibration curve: -6.20967e-005 \* x<sup>2</sup> + 1.04357 \* x + -0.0162735

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 180307M1_6	Standard	0.250	5.13	672.493	32127.043	0.262	0.3	6.5	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	5.13	1368.085	29907.893	0.572	0.6	12.7	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	5.13	2428.212	29472.965	1.030	1.0	0.3	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	5.13	4732.571	30351.541	1.949	1.9	-5.8	NO	1.000	NO	MM
5	5 180307M1_10	Standard	5.000	5.13	11324.261	30573.939	4.630	4.5	-10.9	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	5.13	25269.264	30867.145	10.233	9.8	-1.7	NO	1.000	NO	bb
7	7 180307M1_12	Standard	50.000	5.13	119313.797	29028.256	51.378	49.4	-1.2	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	5.13	211911.969	25858.994	102.436	98.8	-1.2	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	5.13	562568.625	26867.529	261.733	254.7	1.9	NO	1.000	NO	bb
10	10 180307M1_15	Standard	500.000	5.13	921938.875	22856.254	504.205	497.9	-0.4	NO	1.000	NO	bb

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**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.994918$

Calibration curve:  $-0.00295158 * x^2 + 1.22018 * x + -0.0610347$

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 180307M1_6	Standard	0.250	5.10	60.911	4436.534	0.172	0.2	-23.7	NO	0.995	NO	bb
2	2 180307M1_7	Standard	0.500	5.10	226.140	4952.358	0.571	0.5	3.7	NO	0.995	NO	bb
3	3 180307M1_8	Standard	1.000	5.10	422.174	4793.113	1.101	1.0	-4.5	NO	0.995	NO	bb
4	4 180307M1_9	Standard	2.000	5.10	935.866	4727.313	2.475	2.1	4.4	NO	0.995	NO	bb
5	5 180307M1_10	Standard	5.000	5.10	2545.281	4725.578	6.733	5.6	12.9	NO	0.995	NO	bb
6	6 180307M1_11	Standard	10.000	5.10	5179.146	4818.434	13.436	11.4	13.7	NO	0.995	NO	bb
7	7 180307M1_12	Standard	50.000	5.10	23219.115	5893.292	49.249	45.4	-9.2	NO	0.995	NO	bb
8	8 180307M1_13	Standard	100.000	5.10	49911.289	6608.832	94.403	103.2	3.2	NO	0.995	NO	bb
9	9 180307M1_14	Standard	250.000	5.10	107314.234	8570.097	156.524			NO	0.995	YES	bbXI
10	10 180307M1_15	Standard	500.000	5.10	179979.203	11495.512	195.706			NO	0.995	YES	bbXI

**Compound name: PFNS**

Coefficient of Determination:  $R^2 = 0.991720$

Calibration curve:  $-0.000412847 * x^2 + 0.839919 * x + -0.0462231$

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 180307M1_6	Standard	0.250	5.19	94.992	6218.598	0.191	0.3	13.0	NO	0.992	NO	MM
2	2 180307M1_7	Standard	0.500	5.19	168.218	5402.603	0.389	0.5	3.7	NO	0.992	NO	MM
3	3 180307M1_8	Standard	1.000	5.19	338.118	5358.291	0.789	1.0	-0.5	NO	0.992	NO	MM
4	4 180307M1_9	Standard	2.000	5.19	860.757	6202.607	1.735	2.1	6.1	NO	0.992	NO	MM
5	5 180307M1_10	Standard	5.000	5.19	1813.215	5824.164	3.892	4.7	-6.0	NO	0.992	NO	MM
6	6 180307M1_11	Standard	10.000	5.19	3570.281	6158.780	7.246	8.7	-12.8	NO	0.992	NO	MM
7	7 180307M1_12	Standard	50.000	5.19	17853.510	6672.159	33.448	40.7	-18.6	NO	0.992	NO	MM
8	8 180307M1_13	Standard	100.000	5.19	34964.621	4623.723	94.525	119.6	19.6	NO	0.992	NO	MM
9	9 180307M1_14	Standard	250.000	5.19	74801.063	5302.071	176.349	237.8	-4.9	NO	0.992	NO	bb
10	10 180307M1_15	Standard	500.000	5.19	131254.031	5152.529	318.421	504.0	0.8	NO	0.992	NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

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**Compound name: N-MeFOSAA**

Coefficient of Determination:  $R^2 = 0.998758$

Calibration curve:  $-0.000457124 * x^2 + 1.40516 * x + -0.13662$

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 180307M1_6	Standard	0.250	5.28	231.026	12769.586	0.226	0.3	3.3	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	5.28	621.922	13283.781	0.585	0.5	2.8	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	5.28	1328.996	13534.502	1.227	1.0	-2.9	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	5.28	2584.361	13209.920	2.445	1.8	-8.1	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	5.28	5794.981	13529.389	5.354	3.9	-21.7	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	5.28	11790.840	13214.723	11.153	8.1	-19.4	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	5.28	66926.688	11444.004	73.102	53.0	6.1	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	5.28	118359.789	10681.306	138.513	102.1	2.1	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	5.28	296684.406	11602.172	319.643	247.5	-1.0	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	5.28	503771.844	10695.817	588.749	500.6	0.1	NO	0.999	NO	bb

**Compound name: N-EtFOSAA**

Coefficient of Determination:  $R^2 = 0.999877$

Calibration curve:  $1.29194e-005 * x^2 + 0.891664 * x + -0.0100899$

Response type: Internal Std ( Ref 48 ), 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 180307M1_6	Standard	0.250	5.44	201.690	12905.796	0.195	0.2	-7.8	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	5.44	501.202	13542.944	0.463	0.5	6.0	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	5.45	825.321	12214.951	0.845	1.0	-4.2	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	5.44	2073.798	15160.477	1.710	1.9	-3.6	NO	1.000	NO	bb
5	5 180307M1_10	Standard	5.000	5.44	5188.788	13800.334	4.700	5.3	5.6	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	5.44	10031.744	14121.495	8.880	10.0	-0.3	NO	1.000	NO	bb
7	7 180307M1_12	Standard	50.000	5.44	46280.875	13212.187	43.786	49.1	-1.8	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	5.44	91323.781	12503.156	91.301	102.3	2.3	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	5.44	192138.734	10833.138	221.703	247.8	-0.9	NO	1.000	NO	bb
10	10 180307M1_15	Standard	500.000	5.44	368677.906	10247.096	449.735	500.8	0.2	NO	1.000	NO	bb



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**Compound name: PFUdA**

Coefficient of Determination: R<sup>2</sup> = 0.999365

Calibration curve: -0.0001944 \* x<sup>2</sup> + 0.983025 \* x + 0.00199177

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 180307M1_6	Standard	0.250	5.45	819.011	36079.578	0.284	0.3	14.7	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	5.45	1443.576	32323.082	0.558	0.6	13.2	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	5.45	2473.897	29942.510	1.033	1.0	4.9	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	5.45	4914.774	33651.383	1.826	1.9	-7.2	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	5.45	11640.383	35294.609	4.123	4.2	-16.1	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	5.45	24065.094	34164.020	8.805	9.0	-10.3	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	5.45	124200.180	31519.117	49.256	50.6	1.2	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	5.45	240535.875	31975.871	94.030	97.5	-2.5	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	5.45	534488.000	27861.021	239.801	257.0	2.8	NO	0.999	NO	MM
10	10 180307M1_15	Standard	500.000	5.45	965564.938	27415.012	440.254	496.6	-0.7	NO	0.999	NO	MM

**Compound name: PFDS**

Coefficient of Determination: R<sup>2</sup> = 0.999590

Calibration curve: -5.63643e-005 \* x<sup>2</sup> + 0.187713 \* x + -0.00532475

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 180307M1_6	Standard	0.250	5.50	128.077	36079.578	0.044	0.3	5.9	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	5.50	258.120	32323.082	0.100	0.6	12.0	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	5.50	471.839	29942.510	0.197	1.1	7.8	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	5.50	882.476	33651.383	0.328	1.8	-11.2	NO	1.000	NO	bb
5	5 180307M1_10	Standard	5.000	5.50	2418.148	35294.609	0.856	4.6	-8.1	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	5.50	4865.538	34164.020	1.780	9.5	-4.6	NO	1.000	NO	bb
7	7 180307M1_12	Standard	50.000	5.50	22641.719	31519.117	8.979	48.6	-2.9	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	5.50	46072.840	31975.871	18.011	98.9	-1.1	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	5.50	99227.633	27861.021	44.519	257.0	2.8	NO	1.000	NO	bb
10	10 180307M1_15	Standard	500.000	5.50	173849.844	27415.012	79.268	496.3	-0.7	NO	1.000	NO	bb

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**Compound name: PFD<sub>o</sub>A**

Coefficient of Determination: R<sup>2</sup> = 0.999730  
 Calibration curve:  $-6.9365e-005 * x^2 + 1.26593 * x + -0.0381542$   
 Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M1_6	Standard	0.250	5.74	788.069	29503.223	0.334	0.3	17.6	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	5.74	1659.707	30381.654	0.683	0.6	13.9	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	5.74	2834.826	30715.730	1.154	0.9	-5.9	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	5.74	5204.625	30818.688	2.111	1.7	-15.1	NO	1.000	NO	bb
5	5 180307M1_10	Standard	5.000	5.74	14723.054	29651.736	6.207	4.9	-1.3	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	5.74	26850.352	29221.512	11.486	9.1	-8.9	NO	1.000	NO	bb
7	7 180307M1_12	Standard	50.000	5.74	141027.656	28221.455	62.465	49.5	-1.0	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	5.74	286203.094	28603.164	125.075	99.4	-0.6	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	5.74	677472.813	26673.678	317.482	254.4	1.7	NO	1.000	NO	bb
10	10 180307M1_15	Standard	500.000	5.74	1163532.125	23720.662	613.143	498.0	-0.4	NO	1.000	NO	bb

**Compound name: N-MeFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999527  
 Calibration curve:  $-9.8969e-005 * x^2 + 1.13559 * x + 0.156829$   
 Response type: Internal Std ( Ref 51 ), 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 180307M1_6	Standard	1.250	5.98	321.101	31873.602	1.511	1.2	-4.6	NO	1.000	NO	MM
2	2 180307M1_7	Standard	2.500	5.98	613.276	31876.275	2.886	2.4	-3.9	NO	1.000	NO	bb
3	3 180307M1_8	Standard	5.000	5.98	1254.957	31089.428	6.055	5.2	3.9	NO	1.000	NO	bb
4	4 180307M1_9	Standard	10.000	5.98	2666.718	32532.418	12.296	10.7	7.0	NO	1.000	NO	bb
5	5 180307M1_10	Standard	25.000	5.98	6368.076	32350.680	29.527	25.9	3.7	NO	1.000	NO	bb
6	6 180307M1_11	Standard	50.000	5.98	12561.688	32294.211	58.346	51.5	2.9	NO	1.000	NO	bb
7	7 180307M1_12	Standard	250.000	5.98	60334.195	32064.432	282.248	254.0	1.6	NO	1.000	NO	bb
8	8 180307M1_13	Standard	500.000	5.98	118917.266	31968.764	557.969	514.3	2.9	NO	1.000	NO	bb
9	9 180307M1_14	Standard	1250.000	5.98	255110.188	31199.273	1226.520	1206.9	-3.4	NO	1.000	NO	bb
10	10 180307M1_15	Standard	2500.000	5.98	442311.594	29666.994	2236.382	2524.8	1.0	NO	1.000	NO	bb

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**Compound name: PFTrDA**

Coefficient of Determination: R<sup>2</sup> = 0.999101

Calibration curve: -0.000245862 \* x<sup>2</sup> + 1.25843 \* x + -0.0168375

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M1_6	Standard	0.250	5.99	762.964	29503.223	0.323	0.3	8.1	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	5.99	1408.275	30381.654	0.579	0.5	-5.2	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	5.99	3057.258	30715.730	1.244	1.0	0.2	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	5.99	5710.401	30818.688	2.316	1.9	-7.3	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	5.99	15057.992	29651.736	6.348	5.1	1.3	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	5.99	30155.027	29221.512	12.899	10.3	2.8	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	5.99	135028.391	28221.455	59.808	48.0	-4.0	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	5.99	300526.906	28603.164	131.335	106.6	6.6	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	5.99	619817.000	26673.678	290.463	242.3	-3.1	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	5.99	1083102.500	23720.662	570.759	503.0	0.6	NO	0.999	NO	bb

**Compound name: PFTeDA**

Coefficient of Determination: R<sup>2</sup> = 0.990777

Calibration curve: -0.000370554 \* x<sup>2</sup> + 1.22758 \* x + 0.0982476

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*DM 3/9/18*

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M1_6	Standard	0.250	6.21	682.613	25854.600	0.330	0.2	-24.5	NO	0.991	NO	bb
2	2 180307M1_7	Standard	0.500	6.21	1299.934	20066.039	0.810	0.6	15.9	NO	0.991	NO	bb
3	3 180307M1_8	Standard	1.000	6.21	1986.297	23711.734	1.047	0.8	-22.7	NO	0.991	NO	bb
4	4 180307M1_9	Standard	2.000	6.21	5476.002	25239.217	2.712	2.1	6.5	NO	0.991	NO	bb
5	5 180307M1_10	Standard	5.000	6.21	11078.947	22316.645	6.206	5.0	-0.3	NO	0.991	NO	bb
6	6 180307M1_11	Standard	10.000	6.21	26268.316	23169.928	14.172	11.5	15.0	NO	0.991	NO	bb
7	7 180307M1_12	Standard	50.000	6.21	121873.633	23849.846	63.875	52.8	5.6	NO	0.991	NO	bb
8	8 180307M1_13	Standard	100.000	6.21	225933.156	20601.824	137.083	115.6	15.6	NO	0.991	NO	bb
9	9 180307M1_14	Standard	250.000	6.21	459002.594	23342.805	245.794	214.0	-14.4	NO	0.991	NO	db
10	10 180307M1_15	Standard	500.000	6.21	890696.375	20759.713	536.313	517.7	3.5	NO	0.991	NO	bb

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**Compound name: PFTeDA**

Coefficient of Determination: R<sup>2</sup> = 0.996740

Calibration curve:  $-0.00192136 * x^2 + 1.47424 * x + -0.106072$

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 180307M1_6	Standard	0.250	6.21	682.613	25854.600	0.330	0.3	18.4	NO	0.997	NO	bb
2	2 180307M1_7	Standard	0.500	6.21	1299.934	20066.039	0.810	0.6	24.3	NO	0.997	NO	bb
3	3 180307M1_8	Standard	1.000	6.21	1986.297	23711.734	1.047	0.8	-21.7	NO	0.997	NO	bb
4	4 180307M1_9	Standard	2.000	6.21	5476.002	25239.217	2.712	1.9	-4.2	NO	0.997	NO	bb
5	5 180307M1_10	Standard	5.000	6.21	11078.947	22316.645	6.206	4.3	-13.9	NO	0.997	NO	bb
6	6 180307M1_11	Standard	10.000	6.21	26268.316	23169.928	14.172	9.8	-1.9	NO	0.997	NO	bb
7	7 180307M1_12	Standard	50.000	6.21	121873.633	23849.846	63.875	46.2	-7.6	NO	0.997	NO	bb
8	8 180307M1_13	Standard	100.000	6.21	225933.156	20601.824	137.083	108.4	8.4	NO	0.997	NO	bb
9	9 180307M1_14	Standard	250.000	6.21	459002.594	23342.805	245.794	245.1	-2.0	NO	0.997	NO	db
10	10 180307M1_15	Standard	500.000	6.21	890696.375	20759.713	536.313			NO	0.997	NO	bbXI

**Compound name: N-EtFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999937

Calibration curve:  $-5.02335e-005 * x^2 + 0.998781 * x + 0.131582$

Response type: Internal Std ( Ref 53 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*Qm 3/8/18*

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M1_6	Standard	1.250	6.38	380.131	45999.805	1.240	1.1	-11.2	NO	1.000	NO	bb
2	2 180307M1_7	Standard	2.500	6.38	861.575	47599.844	2.715	2.6	3.5	NO	1.000	NO	bb
3	3 180307M1_8	Standard	5.000	6.38	1587.857	47284.527	5.037	4.9	-1.7	NO	1.000	NO	bb
4	4 180307M1_9	Standard	10.000	6.38	3395.976	48261.289	10.555	10.4	4.4	NO	1.000	NO	bb
5	5 180307M1_10	Standard	25.000	6.38	7787.613	46375.184	25.189	25.1	0.5	NO	1.000	NO	bb
6	6 180307M1_11	Standard	50.000	6.38	16504.201	47580.867	52.030	52.1	4.2	NO	1.000	NO	db
7	7 180307M1_12	Standard	250.000	6.38	76680.508	45950.070	250.317	253.7	1.5	NO	1.000	NO	bb
8	8 180307M1_13	Standard	500.000	6.38	145174.781	45006.234	483.849	496.7	-0.7	NO	1.000	NO	bb
9	9 180307M1_14	Standard	1250.000	6.38	319816.563	41225.855	1163.650	1242.6	-0.6	NO	1.000	NO	bb
10	10 180307M1_15	Standard	2500.000	6.38	545861.313	37446.316	2186.575	2504.6	0.2	NO	1.000	NO	bb

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**Compound name: N-EtFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999937

Calibration curve:  $-5.02335e-005 * x^2 + 0.998781 * x + 0.131582$

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 180307M1_6	Standard	1.250	6.38	380.131	45999.805	1.240	1.1	-11.2	NO	1.000	NO	bb
2	2 180307M1_7	Standard	2.500	6.38	861.575	47599.844	2.715	2.6	3.5	NO	1.000	NO	bb
3	3 180307M1_8	Standard	5.000	6.38	1587.857	47284.527	5.037	4.9	-1.7	NO	1.000	NO	bb
4	4 180307M1_9	Standard	10.000	6.38	3395.976	48261.289	10.555	10.4	4.4	NO	1.000	NO	bb
5	5 180307M1_10	Standard	25.000	6.38	7787.613	46375.184	25.189	25.1	0.5	NO	1.000	NO	bb
6	6 180307M1_11	Standard	50.000	6.38	16504.201	47580.867	52.030	52.1	4.2	NO	1.000	NO	db
7	7 180307M1_12	Standard	250.000	6.38	76680.508	45950.070	250.317	253.7	1.5	NO	1.000	NO	bb
8	8 180307M1_13	Standard	500.000	6.38	145174.781	45006.234	483.849	496.7	-0.7	NO	1.000	NO	bb
9	9 180307M1_14	Standard	1250.000	6.38	319816.563	41225.855	1163.650	1242.6	-0.6	NO	1.000	NO	bb
10	10 180307M1_15	Standard	2500.000	6.38	545861.313	37446.316	2186.575	2504.6	0.2	NO	1.000	NO	bb

**Compound name: PFHxDA**

Coefficient of Determination: R<sup>2</sup> = 0.999708

Calibration curve:  $-0.000278545 * x^2 + 0.441894 * x + 0.0447249$

Response type: Internal Std ( Ref 54 ), 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 180307M1_6	Standard	0.250	6.54	504.158	17691.029	0.142	0.2	-11.5	NO	1.000	NO	bb
2	2 180307M1_7	Standard	0.500	6.54	1018.851	17166.857	0.297	0.6	14.1	NO	1.000	NO	bb
3	3 180307M1_8	Standard	1.000	6.55	1941.653	18929.229	0.513	1.1	6.0	NO	1.000	NO	bb
4	4 180307M1_9	Standard	2.000	6.55	3731.432	20879.078	0.894	1.9	-3.8	NO	1.000	NO	MM
5	5 180307M1_10	Standard	5.000	6.54	8557.067	19528.982	2.191	4.9	-2.6	NO	1.000	NO	bb
6	6 180307M1_11	Standard	10.000	6.54	16432.266	19595.674	4.193	9.4	-5.6	NO	1.000	NO	MM
7	7 180307M1_12	Standard	50.000	6.54	75667.555	16901.379	22.385	52.3	4.6	NO	1.000	NO	bb
8	8 180307M1_13	Standard	100.000	6.54	148721.766	18017.502	41.271	99.5	-0.5	NO	1.000	NO	bb
9	9 180307M1_14	Standard	250.000	6.54	342528.500	18562.684	92.263	247.2	-1.1	NO	1.000	NO	bb
10	10 180307M1_15	Standard	500.000	6.55	551063.688	18159.881	151.726	502.3	0.5	NO	1.000	NO	bb

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**Compound name: PFODA**

Coefficient of Determination: R<sup>2</sup> = 0.999091

Calibration curve:  $-0.000428953 * x^2 + 0.776714 * x + -0.0227857$

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 180307M1_6	Standard	0.250	6.78	673.743	17691.029	0.190	0.3	9.8	NO	0.999	NO	bb
2	2 180307M1_7	Standard	0.500	6.78	1361.136	17166.857	0.396	0.5	8.0	NO	0.999	NO	bb
3	3 180307M1_8	Standard	1.000	6.78	2484.968	18929.229	0.656	0.9	-12.5	NO	0.999	NO	bb
4	4 180307M1_9	Standard	2.000	6.78	5903.179	20879.078	1.414	1.9	-7.4	NO	0.999	NO	bb
5	5 180307M1_10	Standard	5.000	6.78	14046.558	19528.982	3.596	4.7	-6.6	NO	0.999	NO	bb
6	6 180307M1_11	Standard	10.000	6.78	27304.969	19595.674	6.967	9.0	-9.6	NO	0.999	NO	bb
7	7 180307M1_12	Standard	50.000	6.78	135819.141	16901.379	40.180	53.3	6.7	NO	0.999	NO	bb
8	8 180307M1_13	Standard	100.000	6.78	270097.531	18017.502	74.954	102.3	2.3	NO	0.999	NO	bb
9	9 180307M1_14	Standard	250.000	6.78	603911.625	18562.684	162.668	241.7	-3.3	NO	0.999	NO	bb
10	10 180307M1_15	Standard	500.000	6.78	1027448.563	18159.881	282.890	505.2	1.0	NO	0.999	NO	bb

**Compound name: N-MeFOSE**

Coefficient of Determination: R<sup>2</sup> = 0.999493

Calibration curve:  $-1.76031e-005 * x^2 + 0.909327 * x + 0.284381$

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 180307M1_6	Standard	1.250	6.51	293.785	32477.299	1.357	1.2	-5.6	NO	0.999	NO	MM
2	2 180307M1_7	Standard	2.500	6.51	564.032	34041.594	2.485	2.4	-3.2	NO	0.999	NO	bb
3	3 180307M1_8	Standard	5.000	6.51	1098.055	34844.875	4.727	4.9	-2.3	NO	0.999	NO	bb
4	4 180307M1_9	Standard	10.000	6.51	2297.429	33710.641	10.223	10.9	9.3	NO	0.999	NO	bb
5	5 180307M1_10	Standard	25.000	6.51	5880.775	40497.918	21.782	23.7	-5.4	NO	0.999	NO	bb
6	6 180307M1_11	Standard	50.000	6.51	12704.530	38019.125	50.124	54.9	9.7	NO	0.999	NO	bb
7	7 180307M1_12	Standard	250.000	6.51	54219.332	37215.945	218.533	241.1	-3.5	NO	0.999	NO	bb
8	8 180307M1_13	Standard	500.000	6.51	117174.961	38618.633	455.123	505.1	1.0	NO	0.999	NO	bb
9	9 180307M1_14	Standard	1250.000	6.51	274831.813	37171.352	1109.047	1249.5	-0.0	NO	0.999	NO	MM
10	10 180307M1_15	Standard	2500.000	6.51	589420.625	30326.441	2915.380	3434.1	37.4	YES	0.999	NO	bbX

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**Compound name: N-EtFOSE**

Correlation coefficient:  $r = 0.997737$ ,  $r^2 = 0.995479$

Calibration curve:  $1.14523 * x + 0.0635125$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180307M1_6	Standard	1.250	6.66	335.230	31836.859	1.579	1.3	5.9	NO	0.995	NO	bb
2	2 180307M1_7	Standard	2.500	6.66	573.730	34272.461	2.511	2.1	-14.5	NO	0.995	NO	bb
3	3 180307M1_8	Standard	5.000	6.66	1281.841	34332.547	5.600	4.8	-3.3	NO	0.995	NO	bb
4	4 180307M1_9	Standard	10.000	6.66	2723.358	31726.926	12.876	11.2	11.9	NO	0.995	NO	bb
5	5 180307M1_10	Standard	25.000	6.66	6842.839	31259.656	32.835	28.6	14.5	NO	0.995	NO	MM
6	6 180307M1_11	Standard	50.000	6.66	13307.713	36738.668	54.334	47.4	-5.2	NO	0.995	NO	bb
7	7 180307M1_12	Standard	250.000	6.65	69324.695	36722.395	283.171	247.2	-1.1	NO	0.995	NO	bb
8	8 180307M1_13	Standard	500.000	6.66	119417.531	36858.855	485.979	424.3	-15.1	NO	0.995	NO	MM
9	9 180307M1_14	Standard	1250.000	6.66	310575.813	30130.947	1546.130	1350.0	8.0	NO	0.995	NO	bb
10	10 180307M1_15	Standard	2500.000	6.66	576508.938	30486.617	2836.534	2476.8	-0.9	NO	0.995	NO	MM

**Compound name: 13C3-PFBA**

Response Factor: 0.828882

RRF SD: 0.0202927, Relative SD: 2.44821

Response type: Internal Std ( Ref 57 ), 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 180307M1_6	Standard	12.500	1.44	9824.608	11913.019	10.309	12.4	-0.5	NO		NO	MM
2	2 180307M1_7	Standard	12.500	1.44	9895.282	11670.860	10.598	12.8	2.3	NO		NO	MM
3	3 180307M1_8	Standard	12.500	1.44	10102.556	12513.510	10.092	12.2	-2.6	NO		NO	MM
4	4 180307M1_9	Standard	12.500	1.44	9841.975	12063.313	10.198	12.3	-1.6	NO		NO	bb
5	5 180307M1_10	Standard	12.500	1.45	9842.197	11733.447	10.485	12.6	1.2	NO		NO	MM
6	6 180307M1_11	Standard	12.500	1.44	10122.453	12087.994	10.467	12.6	1.0	NO		NO	MM
7	7 180307M1_12	Standard	12.500	1.44	9850.197	11479.978	10.725	12.9	3.5	NO		NO	MM
8	8 180307M1_13	Standard	12.500	1.44	10479.329	12326.416	10.627	12.8	2.6	NO		NO	MM
9	9 180307M1_14	Standard	12.500	1.44	9942.326	12317.780	10.089	12.2	-2.6	NO		NO	MM
10	10 180307M1_15	Standard	12.500	1.44	9084.362	11333.963	10.019	12.1	-3.3	NO		NO	MM



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**Compound name: 13C3-PFPeA**

Response Factor: 0.814169

RRF SD: 0.0239095, Relative SD: 2.93667

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	12.500	2.40	23821.547	30560.584	9.744	12.0	-4.3	NO		NO	bb
2	2 180307M1_7	Standard	12.500	2.40	24512.961	29316.080	10.452	12.8	2.7	NO		NO	bb
3	3 180307M1_8	Standard	12.500	2.40	24096.129	31022.082	9.709	11.9	-4.6	NO		NO	bb
4	4 180307M1_9	Standard	12.500	2.40	24542.238	30778.254	9.967	12.2	-2.1	NO		NO	bb
5	5 180307M1_10	Standard	12.500	2.41	24455.305	30220.535	10.115	12.4	-0.6	NO		NO	bb
6	6 180307M1_11	Standard	12.500	2.41	25070.332	30619.389	10.235	12.6	0.6	NO		NO	bb
7	7 180307M1_12	Standard	12.500	2.40	24243.928	29458.279	10.287	12.6	1.1	NO		NO	bb
8	8 180307M1_13	Standard	12.500	2.40	24764.072	29575.127	10.467	12.9	2.8	NO		NO	bb
9	9 180307M1_14	Standard	12.500	2.40	23718.857	29064.756	10.201	12.5	0.2	NO		NO	bb
10	10 180307M1_15	Standard	12.500	2.41	22429.846	26465.123	10.594	13.0	4.1	NO		NO	bb

**Compound name: 13C3-PFBS**

Response Factor: 0.0962736

RRF SD: 0.00246573, Relative SD: 2.56116

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	12.500	2.67	2998.788	30560.584	1.227	12.7	1.9	NO		NO	bb
2	2 180307M1_7	Standard	12.500	2.67	2904.141	29316.080	1.238	12.9	2.9	NO		NO	bb
3	3 180307M1_8	Standard	12.500	2.68	2938.982	31022.082	1.184	12.3	-1.6	NO		NO	bb
4	4 180307M1_9	Standard	12.500	2.67	3072.259	30778.254	1.248	13.0	3.7	NO		NO	bb
5	5 180307M1_10	Standard	12.500	2.68	2840.206	30220.535	1.175	12.2	-2.4	NO		NO	bb
6	6 180307M1_11	Standard	12.500	2.68	2997.817	30619.389	1.224	12.7	1.7	NO		NO	bb
7	7 180307M1_12	Standard	12.500	2.68	2762.643	29458.279	1.172	12.2	-2.6	NO		NO	bb
8	8 180307M1_13	Standard	12.500	2.68	2886.854	29575.127	1.220	12.7	1.4	NO		NO	bb
9	9 180307M1_14	Standard	12.500	2.67	2747.992	29064.756	1.182	12.3	-1.8	NO		NO	bb
10	10 180307M1_15	Standard	12.500	2.68	2465.526	26465.123	1.165	12.1	-3.2	NO		NO	bb



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**Compound name: 13C2-PFHxA**

Response Factor: 0.697253

RRF SD: 0.0196865, Relative SD: 2.82344

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	5.000	3.17	8045.409	30560.584	3.291	4.7	-5.6	NO		NO	bb
2	2 180307M1_7	Standard	5.000	3.17	8241.752	29316.080	3.514	5.0	0.8	NO		NO	bb
3	3 180307M1_8	Standard	5.000	3.17	8658.153	31022.082	3.489	5.0	0.1	NO		NO	bb
4	4 180307M1_9	Standard	5.000	3.17	8588.753	30778.254	3.488	5.0	0.1	NO		NO	bb
5	5 180307M1_10	Standard	5.000	3.17	8191.793	30220.535	3.388	4.9	-2.8	NO		NO	bb
6	6 180307M1_11	Standard	5.000	3.17	8690.966	30619.389	3.548	5.1	1.8	NO		NO	bb
7	7 180307M1_12	Standard	5.000	3.17	8074.999	29458.279	3.426	4.9	-1.7	NO		NO	bb
8	8 180307M1_13	Standard	5.000	3.18	8629.913	29575.127	3.647	5.2	4.6	NO		NO	bb
9	9 180307M1_14	Standard	5.000	3.17	8186.364	29064.756	3.521	5.0	1.0	NO		NO	bb
10	10 180307M1_15	Standard	5.000	3.17	7515.802	26465.123	3.550	5.1	1.8	NO		NO	bb

**Compound name: 13C4-PFHpA**

Response Factor: 0.683417

RRF SD: 0.037656, Relative SD: 5.50996

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	12.500	3.79	19264.957	30560.584	7.880	11.5	-7.8	NO		NO	bb
2	2 180307M1_7	Standard	12.500	3.79	20968.758	29316.080	8.941	13.1	4.7	NO		NO	bb
3	3 180307M1_8	Standard	12.500	3.79	21312.088	31022.082	8.587	12.6	0.5	NO		NO	bb
4	4 180307M1_9	Standard	12.500	3.78	21872.414	30778.254	8.883	13.0	4.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	3.79	20555.994	30220.535	8.502	12.4	-0.5	NO		NO	bb
6	6 180307M1_11	Standard	12.500	3.79	21111.221	30619.389	8.618	12.6	0.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	3.79	21575.760	29458.279	9.155	13.4	7.2	NO		NO	bb
8	8 180307M1_13	Standard	12.500	3.79	21210.900	29575.127	8.965	13.1	4.9	NO		NO	bb
9	9 180307M1_14	Standard	12.500	3.79	18323.604	29064.756	7.881	11.5	-7.8	NO		NO	bb
10	10 180307M1_15	Standard	12.500	3.79	16968.271	26465.123	8.014	11.7	-6.2	NO		NO	bb

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**Compound name: 18O2-PFHxS**

Response Factor: 0.387383

RRF SD: 0.0329173, Relative SD: 8.49736

Response type: Internal Std ( Ref 59 ), 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 180307M1_6	Standard	12.500	3.94	2446.629	6458.831	4.735	12.2	-2.2	NO		NO	bb
2	2 180307M1_7	Standard	12.500	3.94	2229.568	5800.963	4.804	12.4	-0.8	NO		NO	bb
3	3 180307M1_8	Standard	12.500	3.94	2530.283	6443.030	4.909	12.7	1.4	NO		NO	bb
4	4 180307M1_9	Standard	12.500	3.94	2174.850	5706.649	4.764	12.3	-1.6	NO		NO	bb
5	5 180307M1_10	Standard	12.500	3.94	2040.889	5743.773	4.442	11.5	-8.3	NO		NO	bb
6	6 180307M1_11	Standard	12.500	3.94	2088.434	6443.786	4.051	10.5	-16.3	NO		NO	bb
7	7 180307M1_12	Standard	12.500	3.94	2286.957	5597.565	5.107	13.2	5.5	NO		NO	bb
8	8 180307M1_13	Standard	12.500	3.94	2472.129	6439.585	4.799	12.4	-0.9	NO		NO	bb
9	9 180307M1_14	Standard	12.500	3.94	2277.938	5213.692	5.461	14.1	12.8	NO		NO	bb
10	10 180307M1_15	Standard	12.500	3.94	2046.028	4779.775	5.351	13.8	10.5	NO		NO	bb

**Compound name: 13C2-6:2 FTS**

Response Factor: 0.237724

RRF SD: 0.0151144, Relative SD: 6.35797

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 180307M1_6	Standard	12.500	4.25	6496.750	28455.906	2.854	12.0	-4.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.26	6105.219	27503.977	2.775	11.7	-6.6	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.26	7310.973	30097.717	3.036	12.8	2.2	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.25	6508.431	30025.602	2.710	11.4	-8.8	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.25	6992.279	27554.297	3.172	13.3	6.7	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.26	6942.190	30030.795	2.890	12.2	-2.8	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.26	7413.398	29160.016	3.178	13.4	6.9	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.26	7377.302	29196.936	3.158	13.3	6.3	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.26	10519.205	28385.531	4.632	19.5	55.9	NO		NO	bbX
10	10 180307M1_15	Standard	12.500	4.26	14640.680	25646.574	7.136	30.0	140.1	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: 13C2-PFOA**

Response Factor: 1.07867

RRF SD: 0.0648662, Relative SD: 6.01356

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 180307M1_6	Standard	12.500	4.31	30532.664	28455.906	13.412	12.4	-0.5	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.31	31370.914	27503.977	14.257	13.2	5.7	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.31	33852.918	30097.717	14.060	13.0	4.3	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.31	33526.359	30025.602	13.957	12.9	3.5	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.31	32575.051	27554.297	14.778	13.7	9.6	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.31	32186.586	30030.795	13.397	12.4	-0.6	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.31	29946.346	29160.016	12.837	11.9	-4.8	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.32	31212.947	29196.936	13.363	12.4	-0.9	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.31	27353.451	28385.531	12.046	11.2	-10.7	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.31	26110.033	25646.574	12.726	11.8	-5.6	NO		NO	bb

**Compound name: 13C5-PFNA**

Response Factor: 0.853069

RRF SD: 0.0710942, Relative SD: 8.33394

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 180307M1_6	Standard	12.500	4.75	22022.002	30077.711	9.152	10.7	-14.2	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.75	25206.621	33846.863	9.309	10.9	-12.7	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.75	23178.902	28731.975	10.084	11.8	-5.4	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.75	25129.461	28225.410	11.129	13.0	4.4	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.75	26929.178	30781.453	10.936	12.8	2.6	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.75	26737.170	28249.201	11.831	13.9	10.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.75	27318.008	30257.328	11.286	13.2	5.8	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.75	26922.209	29683.301	11.337	13.3	6.3	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.75	24920.957	29580.977	10.531	12.3	-1.2	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.75	23305.322	26389.727	11.039	12.9	3.5	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: 13C8-PFOA**

Response Factor: 0.159407

RRF SD: 0.0127398, Relative SD: 7.99198

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 180307M1_6	Standard	12.500	4.83	4919.574	32989.410	1.864	11.7	-6.4	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.83	5854.420	36228.250	2.020	12.7	1.4	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.83	4777.905	33282.211	1.794	11.3	-9.9	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.82	5815.987	36012.574	2.019	12.7	1.3	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.82	5906.317	38909.535	1.897	11.9	-4.8	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.82	5900.859	33203.250	2.221	13.9	11.5	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.83	5435.145	31065.139	2.187	13.7	9.8	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.83	5248.169	35045.059	1.872	11.7	-6.1	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.82	4805.989	27414.619	2.191	13.7	10.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.82	4495.495	30221.021	1.859	11.7	-6.7	NO		NO	bb

**Compound name: 13C8-PFOS**

Response Factor: 0.93387

RRF SD: 0.0965517, Relative SD: 10.3389

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 180307M1_6	Standard	12.500	4.83	6218.598	6658.142	11.675	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.83	5402.603	5995.685	11.264	12.1	-3.5	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.84	5358.291	6100.896	10.978	11.8	-6.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.83	6202.607	5356.792	14.474	15.5	24.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.83	5824.164	6122.242	11.891	12.7	1.9	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.83	6158.780	6863.106	11.217	12.0	-3.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.83	6672.159	6626.779	12.586	13.5	7.8	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.84	4623.723	5867.872	9.850	10.5	-15.6	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.84	5302.071	5731.844	11.563	12.4	-0.9	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.83	5152.529	5731.848	11.237	12.0	-3.7	NO		NO	bb

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**Compound name: 13C2-PFDA**

Response Factor: 0.898362

RRF SD: 0.0412388, Relative SD: 4.59045

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 180307M1_6	Standard	12.500	5.13	32127.043	34230.645	11.732	13.1	4.5	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.13	29907.893	32747.201	11.416	12.7	1.7	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.13	29472.965	32481.039	11.342	12.6	1.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.13	30351.541	33832.254	11.214	12.5	-0.1	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.13	30573.939	32671.717	11.697	13.0	4.2	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.13	30867.145	33614.219	11.478	12.8	2.2	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.12	29028.256	30802.908	11.780	13.1	4.9	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.13	25858.994	30330.973	10.657	11.9	-5.1	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.13	26867.529	31407.287	10.693	11.9	-4.8	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.13	22856.254	27778.793	10.285	11.4	-8.4	NO		NO	bb

**Compound name: 13C2-8:2 FTS**

Response Factor: 0.169931

RRF SD: 0.0273429, Relative SD: 16.0905

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	12.500	5.10	4436.534	30560.584	1.815	10.7	-14.6	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.10	4952.358	29316.080	2.112	12.4	-0.6	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.10	4793.113	31022.082	1.931	11.4	-9.1	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.10	4727.313	30778.254	1.920	11.3	-9.6	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.10	4725.578	30220.535	1.955	11.5	-8.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.10	4818.434	30619.389	1.967	11.6	-7.4	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.10	5893.292	29458.279	2.501	14.7	17.7	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.10	6608.832	29575.127	2.793	16.4	31.5	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.10	8570.097	29064.756	3.686	21.7	73.5	NO		NO	bbX
10	10 180307M1_15	Standard	12.500	5.10	11495.512	26465.123	5.430	32.0	155.6	NO		NO	bbX

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**Compound name: d3-N-MeFOSAA**

Response Factor: 0.372324

RRF SD: 0.033712, Relative SD: 9.05448

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 180307M1_6	Standard	12.500	5.28	12769.586	32989.410	4.839	13.0	4.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.28	13283.781	36228.250	4.583	12.3	-1.5	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.28	13534.502	33282.211	5.083	13.7	9.2	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.28	13209.920	36012.574	4.585	12.3	-1.5	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.28	13529.389	38909.535	4.346	11.7	-6.6	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.28	13214.723	33203.250	4.975	13.4	6.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.28	11444.004	31065.139	4.605	12.4	-1.1	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.28	10681.306	35045.059	3.810	10.2	-18.1	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.28	11602.172	27414.619	5.290	14.2	13.7	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.28	10695.817	30221.021	4.424	11.9	-4.9	NO		NO	bb

**Compound name: d5-N-EtFOSAA**

Response Factor: 0.384931

RRF SD: 0.0315511, Relative SD: 8.19654

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 180307M1_6	Standard	12.500	5.44	12905.796	32989.410	4.890	12.7	1.6	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.44	13542.944	36228.250	4.673	12.1	-2.9	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.44	12214.951	33282.211	4.588	11.9	-4.7	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.44	15160.477	36012.574	5.262	13.7	9.4	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.44	13800.334	38909.535	4.433	11.5	-7.9	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.44	14121.495	33203.250	5.316	13.8	10.5	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.43	13212.187	31065.139	5.316	13.8	10.5	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.44	12503.156	35045.059	4.460	11.6	-7.3	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.44	10833.138	27414.619	4.939	12.8	2.7	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.43	10247.096	30221.021	4.238	11.0	-11.9	NO		NO	bb

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**Compound name: 13C2-PFUdA**

Response Factor: 0.960647

RRF SD: 0.0711129, Relative SD: 7.40261

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 180307M1_6	Standard	12.500	5.45	36079.578	32989.410	13.671	14.2	13.8	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.45	32323.082	36228.250	11.153	11.6	-7.1	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.45	29942.510	33282.211	11.246	11.7	-6.3	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.45	33651.383	36012.574	11.680	12.2	-2.7	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.45	35294.609	38909.535	11.339	11.8	-5.6	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.45	34164.020	33203.250	12.862	13.4	7.1	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.45	31519.117	31065.139	12.683	13.2	5.6	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.45	31975.871	35045.059	11.405	11.9	-5.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.45	27861.021	27414.619	12.704	13.2	5.8	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.45	27415.012	30221.021	11.339	11.8	-5.6	NO		NO	bb

**Compound name: 13C2-PFDoA**

Response Factor: 0.863628

RRF SD: 0.0650987, Relative SD: 7.53782

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 180307M1_6	Standard	12.500	5.74	29503.223	32989.410	11.179	12.9	3.6	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.74	30381.654	36228.250	10.483	12.1	-2.9	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.74	30715.730	33282.211	11.536	13.4	6.9	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.74	30818.688	36012.574	10.697	12.4	-0.9	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.74	29651.736	38909.535	9.526	11.0	-11.8	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.74	29221.512	33203.250	11.001	12.7	1.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.74	28221.455	31065.139	11.356	13.1	5.2	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.74	28603.164	35045.059	10.202	11.8	-5.5	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.74	26673.678	27414.619	12.162	14.1	12.7	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.74	23720.662	30221.021	9.811	11.4	-9.1	NO		NO	bb

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**Compound name: d3-N-MeFOSA**

Response Factor: 0.0795974

RRF SD: 0.00716079, Relative SD: 8.99626

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 180307M1_6	Standard	150.000	6.00	31873.602	32989.410	12.077	151.7	1.2	NO		NO	MM
2	2 180307M1_7	Standard	150.000	6.00	31876.275	36228.250	10.998	138.2	-7.9	NO		NO	bb
3	3 180307M1_8	Standard	150.000	6.00	31089.428	33282.211	11.676	146.7	-2.2	NO		NO	bb
4	4 180307M1_9	Standard	150.000	6.00	32532.418	36012.574	11.292	141.9	-5.4	NO		NO	bb
5	5 180307M1_10	Standard	150.000	6.00	32350.680	38909.535	10.393	130.6	-13.0	NO		NO	bb
6	6 180307M1_11	Standard	150.000	6.00	32294.211	33203.250	12.158	152.7	1.8	NO		NO	bb
7	7 180307M1_12	Standard	150.000	6.00	32064.432	31065.139	12.902	162.1	8.1	NO		NO	bb
8	8 180307M1_13	Standard	150.000	6.00	31968.764	35045.059	11.403	143.3	-4.5	NO		NO	bb
9	9 180307M1_14	Standard	150.000	6.00	31199.273	27414.619	14.226	178.7	19.1	NO		NO	bb
10	10 180307M1_15	Standard	150.000	6.00	29666.994	30221.021	12.271	154.2	2.8	NO		NO	bb

**Compound name: 13C2-PFTeDA**

Response Factor: 0.691627

RRF SD: 0.096659, Relative SD: 13.9756

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 180307M1_6	Standard	12.500	6.21	25854.600	32989.410	9.797	14.2	13.3	NO		NO	bb
2	2 180307M1_7	Standard	12.500	6.21	20066.039	36228.250	6.923	10.0	-19.9	NO		NO	bb
3	3 180307M1_8	Standard	12.500	6.21	23711.734	33282.211	8.906	12.9	3.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	6.21	25239.217	36012.574	8.761	12.7	1.3	NO		NO	bb
5	5 180307M1_10	Standard	12.500	6.21	22316.645	38909.535	7.169	10.4	-17.1	NO		NO	bb
6	6 180307M1_11	Standard	12.500	6.21	23169.928	33203.250	8.723	12.6	0.9	NO		NO	bb
7	7 180307M1_12	Standard	12.500	6.21	23849.846	31065.139	9.597	13.9	11.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	6.21	20601.824	35045.059	7.348	10.6	-15.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	6.21	23342.805	27414.619	10.643	15.4	23.1	NO		NO	bb
10	10 180307M1_15	Standard	12.500	6.21	20759.713	30221.021	8.587	12.4	-0.7	NO		NO	bb



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**Compound name: d5-N-ETFOSA**

Response Factor: 0.113336

RRF SD: 0.0086166, Relative SD: 7.60273

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 180307M1_6	Standard	150.000	6.39	45999.805	32989.410	17.430	153.8	2.5	NO		NO	bb
2	2 180307M1_7	Standard	150.000	6.39	47599.844	36228.250	16.424	144.9	-3.4	NO		NO	bb
3	3 180307M1_8	Standard	150.000	6.40	47284.527	33282.211	17.759	156.7	4.5	NO		NO	bb
4	4 180307M1_9	Standard	150.000	6.40	48261.289	36012.574	16.752	147.8	-1.5	NO		NO	bb
5	5 180307M1_10	Standard	150.000	6.39	46375.184	38909.535	14.898	131.5	-12.4	NO		NO	bb
6	6 180307M1_11	Standard	150.000	6.39	47580.867	33203.250	17.913	158.1	5.4	NO		NO	bb
7	7 180307M1_12	Standard	150.000	6.39	45950.070	31065.139	18.489	163.1	8.8	NO		NO	bb
8	8 180307M1_13	Standard	150.000	6.39	45006.234	35045.059	16.053	141.6	-5.6	NO		NO	bb
9	9 180307M1_14	Standard	150.000	6.39	41225.855	27414.619	18.797	165.9	10.6	NO		NO	bb
10	10 180307M1_15	Standard	150.000	6.40	37446.316	30221.021	15.489	136.7	-8.9	NO		NO	bb

**Compound name: 13C2-PFHxDA**

Response Factor: 1.39673

RRF SD: 0.145455, Relative SD: 10.414

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 180307M1_6	Standard	5.000	6.54	17691.029	32989.410	6.703	4.8	-4.0	NO		NO	bb
2	2 180307M1_7	Standard	5.000	6.54	17166.857	36228.250	5.923	4.2	-15.2	NO		NO	bb
3	3 180307M1_8	Standard	5.000	6.55	18929.229	33282.211	7.109	5.1	1.8	NO		NO	bb
4	4 180307M1_9	Standard	5.000	6.54	20879.078	36012.574	7.247	5.2	3.8	NO		NO	bb
5	5 180307M1_10	Standard	5.000	6.54	19528.982	38909.535	6.274	4.5	-10.2	NO		NO	bb
6	6 180307M1_11	Standard	5.000	6.54	19595.674	33203.250	7.377	5.3	5.6	NO		NO	MM
7	7 180307M1_12	Standard	5.000	6.54	16901.379	31065.139	6.801	4.9	-2.6	NO		NO	bb
8	8 180307M1_13	Standard	5.000	6.54	18017.502	35045.059	6.427	4.6	-8.0	NO		NO	bb
9	9 180307M1_14	Standard	5.000	6.54	18562.684	27414.619	8.464	6.1	21.2	NO		NO	bb
10	10 180307M1_15	Standard	5.000	6.55	18159.881	30221.021	7.511	5.4	7.6	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: d7-N-MeFOSE**

Response Factor: 0.0896031

RRF SD: 0.0108492, Relative SD: 12.1081

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 180307M1_6	Standard	150.000	6.50	32477.299	32989.410	12.306	137.3	-8.4	NO		NO	bb
2	2 180307M1_7	Standard	150.000	6.50	34041.594	36228.250	11.746	131.1	-12.6	NO		NO	bb
3	3 180307M1_8	Standard	150.000	6.50	34844.875	33282.211	13.087	146.1	-2.6	NO		NO	MM
4	4 180307M1_9	Standard	150.000	6.50	33710.641	36012.574	11.701	130.6	-12.9	NO		NO	MM
5	5 180307M1_10	Standard	150.000	6.50	40497.918	38909.535	13.010	145.2	-3.2	NO		NO	MM
6	6 180307M1_11	Standard	150.000	6.50	38019.125	33203.250	14.313	159.7	6.5	NO		NO	bb
7	7 180307M1_12	Standard	150.000	6.50	37215.945	31065.139	14.975	167.1	11.4	NO		NO	MM
8	8 180307M1_13	Standard	150.000	6.50	38618.633	35045.059	13.775	153.7	2.5	NO		NO	MM
9	9 180307M1_14	Standard	150.000	6.50	37171.352	27414.619	16.949	189.2	26.1	NO		NO	MM
10	10 180307M1_15	Standard	150.000	6.50	30326.441	30221.021	12.544	140.0	-6.7	NO		NO	bb

**Compound name: d9-N-EtFOSE**

Response Factor: 0.0839603

RRF SD: 0.00939759, Relative SD: 11.1929

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 180307M1_6	Standard	150.000	6.64	31836.859	32989.410	12.063	143.7	-4.2	NO		NO	bb
2	2 180307M1_7	Standard	150.000	6.64	34272.461	36228.250	11.825	140.8	-6.1	NO		NO	MM
3	3 180307M1_8	Standard	150.000	6.64	34332.547	33282.211	12.894	153.6	2.4	NO		NO	MM
4	4 180307M1_9	Standard	150.000	6.65	31726.926	36012.574	11.012	131.2	-12.6	NO		NO	MM
5	5 180307M1_10	Standard	150.000	6.64	31259.656	38909.535	10.042	119.6	-20.3	NO		NO	bb
6	6 180307M1_11	Standard	150.000	6.65	36738.668	33203.250	13.831	164.7	9.8	NO		NO	bb
7	7 180307M1_12	Standard	150.000	6.64	36722.395	31065.139	14.776	176.0	17.3	NO		NO	bb
8	8 180307M1_13	Standard	150.000	6.64	36858.855	35045.059	13.147	156.6	4.4	NO		NO	bb
9	9 180307M1_14	Standard	150.000	6.64	30130.947	27414.619	13.739	163.6	9.1	NO		NO	bb
10	10 180307M1_15	Standard	150.000	6.64	30486.617	30221.021	12.610	150.2	0.1	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 57 ), 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 180307M1_6	Standard	12.500	1.43	11913.019	11913.019	12.500	12.5	0.0	NO		NO	MM
2	2 180307M1_7	Standard	12.500	1.44	11670.860	11670.860	12.500	12.5	0.0	NO		NO	MM
3	3 180307M1_8	Standard	12.500	1.44	12513.510	12513.510	12.500	12.5	0.0	NO		NO	MM
4	4 180307M1_9	Standard	12.500	1.44	12063.313	12063.313	12.500	12.5	0.0	NO		NO	MM
5	5 180307M1_10	Standard	12.500	1.44	11733.447	11733.447	12.500	12.5	0.0	NO		NO	MM
6	6 180307M1_11	Standard	12.500	1.44	12087.994	12087.994	12.500	12.5	0.0	NO		NO	MM
7	7 180307M1_12	Standard	12.500	1.44	11479.978	11479.978	12.500	12.5	0.0	NO		NO	MM
8	8 180307M1_13	Standard	12.500	1.44	12326.416	12326.416	12.500	12.5	0.0	NO		NO	MM
9	9 180307M1_14	Standard	12.500	1.44	12317.780	12317.780	12.500	12.5	0.0	NO		NO	MM
10	10 180307M1_15	Standard	12.500	1.45	11333.963	11333.963	12.500	12.5	0.0	NO		NO	MM

**Compound name: 13C5-PFHxA**

Response Factor: 1

RRF SD: 1.28198e-016, Relative SD: 1.28198e-014

Response type: Internal Std ( Ref 58 ), 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 180307M1_6	Standard	12.500	3.17	30560.584	30560.584	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	3.17	29316.080	29316.080	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	3.17	31022.082	31022.082	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	3.17	30778.254	30778.254	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	3.17	30220.535	30220.535	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	3.17	30619.389	30619.389	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	3.17	29458.279	29458.279	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	3.17	29575.127	29575.127	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	3.17	29064.756	29064.756	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	3.17	26465.123	26465.123	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C3-PFHxS**

Response Factor: 1

RRF SD: 5.23364e-017, Relative SD: 5.23364e-015

Response type: Internal Std ( Ref 59 ), 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 180307M1_6	Standard	12.500	3.94	6458.831	6458.831	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	3.94	5800.963	5800.963	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	3.94	6443.030	6443.030	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	3.94	5706.649	5706.649	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	3.94	5743.773	5743.773	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	3.94	6443.786	6443.786	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	3.94	5597.565	5597.565	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	3.94	6439.585	6439.585	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	3.94	5213.692	5213.692	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	3.94	4779.775	4779.775	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C8-PFOA**

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

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 180307M1_6	Standard	12.500	4.31	28455.906	28455.906	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.31	27503.977	27503.977	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.31	30097.717	30097.717	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.31	30025.602	30025.602	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.31	27554.297	27554.297	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.31	30030.795	30030.795	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.31	29160.016	29160.016	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.31	29196.936	29196.936	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.31	28385.531	28385.531	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.31	25646.574	25646.574	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

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 180307M1_6	Standard	12.500	4.75	30077.711	30077.711	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.75	33846.863	33846.863	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.75	28731.975	28731.975	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.75	28225.410	28225.410	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.75	30781.453	30781.453	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.75	28249.201	28249.201	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.75	30257.328	30257.328	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.75	29683.301	29683.301	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.75	29580.977	29580.977	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.75	26389.727	26389.727	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C4-PFOS**

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

Response type: Internal Std ( Ref 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 180307M1_6	Standard	12.500	4.83	6658.142	6658.142	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	4.83	5995.685	5995.685	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	4.84	6100.896	6100.896	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	4.84	5356.792	5356.792	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	4.83	6122.242	6122.242	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	4.83	6863.106	6863.106	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	4.83	6626.779	6626.779	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	4.84	5867.872	5867.872	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	4.84	5731.844	5731.844	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	4.84	5731.848	5731.848	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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**Compound name: 13C6-PFDA**

Response Factor: 1

RRF SD: 3.70074e-017, Relative SD: 3.70074e-015

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 180307M1_6	Standard	12.500	5.13	34230.645	34230.645	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.13	32747.201	32747.201	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.13	32481.039	32481.039	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.13	33832.254	33832.254	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.13	32671.717	32671.717	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.13	33614.219	33614.219	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.12	30802.908	30802.908	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.13	30330.973	30330.973	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.13	31407.287	31407.287	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.13	27778.793	27778.793	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C7-PFUDa**

Response Factor: 1

RRF SD: 5.23364e-017, Relative SD: 5.23364e-015

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 180307M1_6	Standard	12.500	5.45	32989.410	32989.410	12.500	12.5	0.0	NO		NO	bb
2	2 180307M1_7	Standard	12.500	5.45	36228.250	36228.250	12.500	12.5	0.0	NO		NO	bb
3	3 180307M1_8	Standard	12.500	5.45	33282.211	33282.211	12.500	12.5	0.0	NO		NO	bb
4	4 180307M1_9	Standard	12.500	5.46	36012.574	36012.574	12.500	12.5	0.0	NO		NO	bb
5	5 180307M1_10	Standard	12.500	5.45	38909.535	38909.535	12.500	12.5	0.0	NO		NO	bb
6	6 180307M1_11	Standard	12.500	5.45	33203.250	33203.250	12.500	12.5	0.0	NO		NO	bb
7	7 180307M1_12	Standard	12.500	5.45	31065.139	31065.139	12.500	12.5	0.0	NO		NO	bb
8	8 180307M1_13	Standard	12.500	5.46	35045.059	35045.059	12.500	12.5	0.0	NO		NO	bb
9	9 180307M1_14	Standard	12.500	5.45	27414.619	27414.619	12.500	12.5	0.0	NO		NO	bb
10	10 180307M1_15	Standard	12.500	5.45	30221.021	30221.021	12.500	12.5	0.0	NO		NO	bb

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

	# Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	34	0.9998	NO	
2	2 PFPeA	35	0.9997	NO	
3	3 PFBS	36	0.9994	NO	
4	4 4:2 FTS	36	0.9986	NO	
5	5 PFHxA	37	0.9988	NO	
6	6 PFPeS	36	0.9977	NO	
7	7 PFHpA	38	0.9994	NO	
8	8 L-PFHxS	39	0.9982	NO	
9	10 6:2 FTS	40	0.9973	NO	
10	11 L-PFOA	41	0.9994	NO	
11	13 PFHpS	41	0.9992	NO	
12	14 PFNA	42	0.9991	NO	
13	15 PFOSA	43	0.9994	NO	
14	16 L-PFOS	44	0.9943	NO	
15	18 PFDA	45	0.9998	NO	
16	19 8:2 FTS	46	0.9950	NO	
17	20 PFNS	44	0.9917	NO	
18	21 N-MeFOSAA	47	0.9988	NO	
19	22 N-EtFOSAA	48	0.9999	NO	
20	23 PFUdA	49	0.9994	NO	
21	24 PFDS	49	0.9996	NO	
22	25 PFDoA	50	0.9997	NO	
23	26 N-MeFOSA	51	0.9920	NO	
24	27 PFTTrDA	50	0.9991	NO	
25	28 PFTeDA	52	0.9967	NO	
26	29 N-EtFOSA	53	0.9999	NO	
27	30 PFHxDA	54	0.9997	NO	
28	31 PFODA	54	0.9991	NO	
29	32 N-MeFOSE	55	0.9994	NO	
30	33 N-EtFOSE	56	0.9955	NO	
31	34 13C3-PFBA	57		NO	2.448
32	35 13C3-PFPeA	58		NO	2.937

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 13:04:56 Pacific Standard Time

Printed: Thursday, March 08, 2018 13:07:12 Pacific Standard Time

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

	# Name	IS#	CoD	CoD Flag	%RSD
33	36 13C3-PFBS	58		NO	2.561
34	37 13C2-PFHxA	58		NO	2.823
35	38 13C4-PFHpA	58		NO	5.510
36	39 18O2-PFHxS	59		NO	8.497
37	40 13C2-6:2 FTS	60		NO	6.358
38	41 13C2-PFOA	60		NO	6.014
39	42 13C5-PFNA	61		NO	8.334
40	43 13C8-PFOSA	64		NO	7.992
41	44 13C8-PFOS	62		NO	10.339
42	45 13C2-PFDA	63		NO	4.590
43	46 13C2-8:2 FTS	58		NO	16.091
44	47 d3-N-MeFOSAA	64		NO	9.054
45	48 d5-N-EtFOSAA	64		NO	8.197
46	49 13C2-PFUdA	64		NO	7.403
47	50 13C2-PFDoA	64		NO	7.538
48	51 d3-N-MeFOSA	64		NO	8.996
49	52 13C2-PFTeDA	64		NO	13.976
50	53 d5-N-ETFOSA	64		NO	7.603
51	54 13C2-PFHxDA	64		NO	10.414
52	55 d7-N-MeFOSE	64		NO	12.108
53	56 d9-N-EtFOSE	64		NO	11.193
54	57 13C4-PFBA	57		NO	0.000
55	58 13C5-PFHxA	58		NO	0.000
56	59 13C3-PFHxS	59		NO	0.000
57	60 13C8-PFOA	60		NO	0.000
58	61 13C9-PFNA	61		NO	0.000
59	62 13C4-PFOS	62		NO	0.000
60	63 13C6-PFDA	63		NO	0.000
61	64 13C7-PFUdA	64		NO	0.000



Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, March 08, 2018 12:23:10 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:24:24 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:59:09

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:58:32

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180307M1_5	IPA	07-Mar-18	16:46:27
2	180307M1_6	ST180307M1-1 PFC CS-2 18C0602	07-Mar-18	16:57:52
3	180307M1_7	ST180307M1-2 PFC CS-1 18C0603	07-Mar-18	17:09:19
4	180307M1_8	ST180307M1-3 PFC CS0 18C0604	07-Mar-18	17:20:45
5	180307M1_9	ST180307M1-4 PFC CS1 18C0605	07-Mar-18	17:32:12
6	180307M1_10	ST180307M1-5 PFC CS2 18C0606	07-Mar-18	17:43:42
7	180307M1_11	ST180307M1-6 PFC CS3 18C0607	07-Mar-18	17:55:11
8	180307M1_12	ST180307M1-7 PFC CS4 18C0608	07-Mar-18	18:06:41
9	180307M1_13	ST180307M1-8 PFC CS5 18C0609	07-Mar-18	18:18:12
10	180307M1_14	ST180307M1-9 PFC CS6 18C0610	07-Mar-18	18:29:40
11	180307M1_15	ST180307M1-10 PFC CS7 18C0611	07-Mar-18	18:41:09
12	180307M1_16	IPA	07-Mar-18	18:52:38
13	180307M1_17	ICV180307M1-1 PFC ICV 18C0601	07-Mar-18	19:04:07
14	180307M1_18	IPA	07-Mar-18	19:15:34

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:45:01

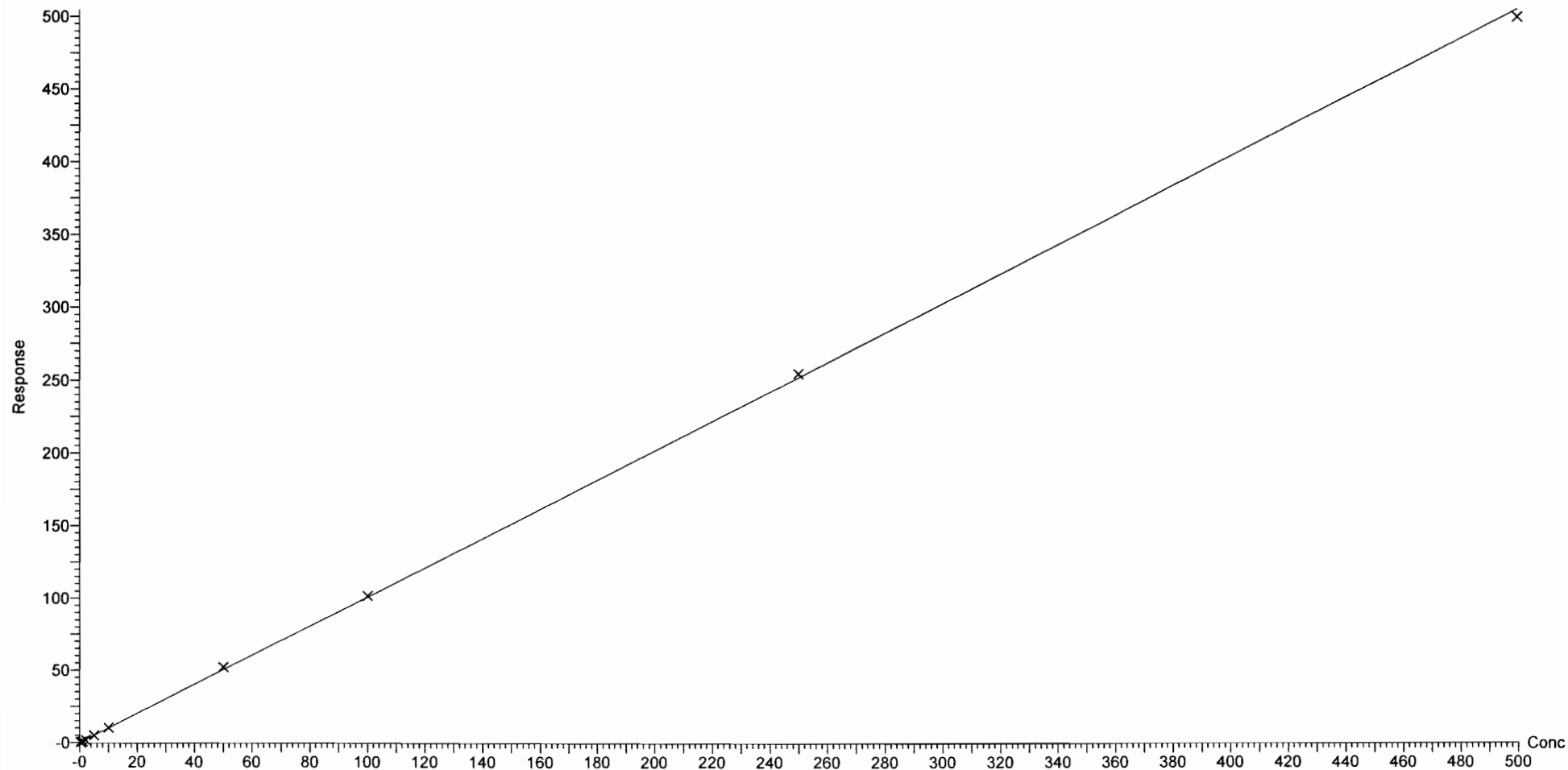
Compound name: PFBA

Correlation coefficient:  $r = 0.999897$ ,  $r^2 = 0.999793$

Calibration curve:  $1.00856 * x + -0.022372$

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

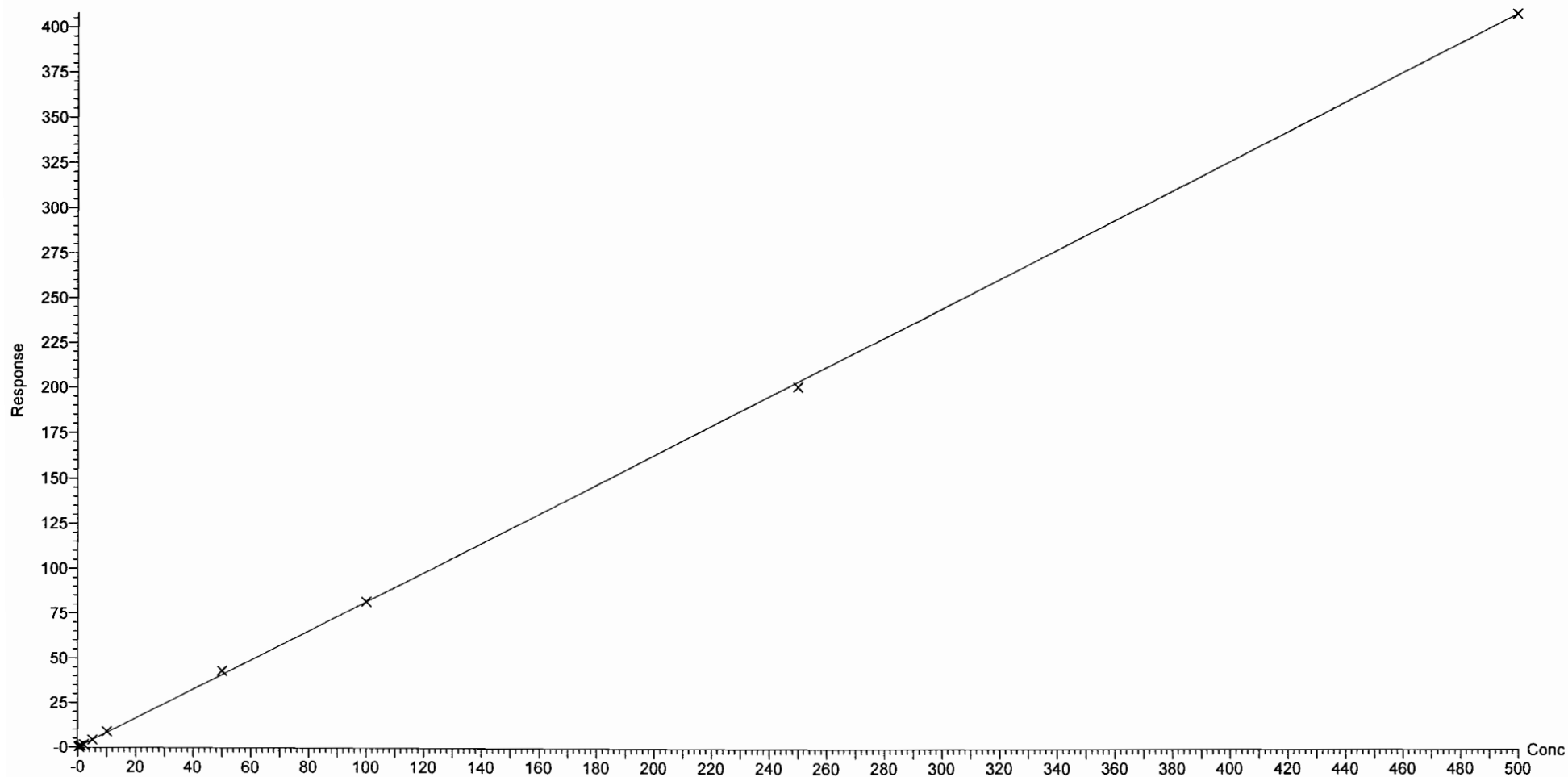
Compound name: PFPeA

Correlation coefficient:  $r = 0.999865$ ,  $r^2 = 0.999730$

Calibration curve:  $0.815683 * x + 0.0460859$

Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )

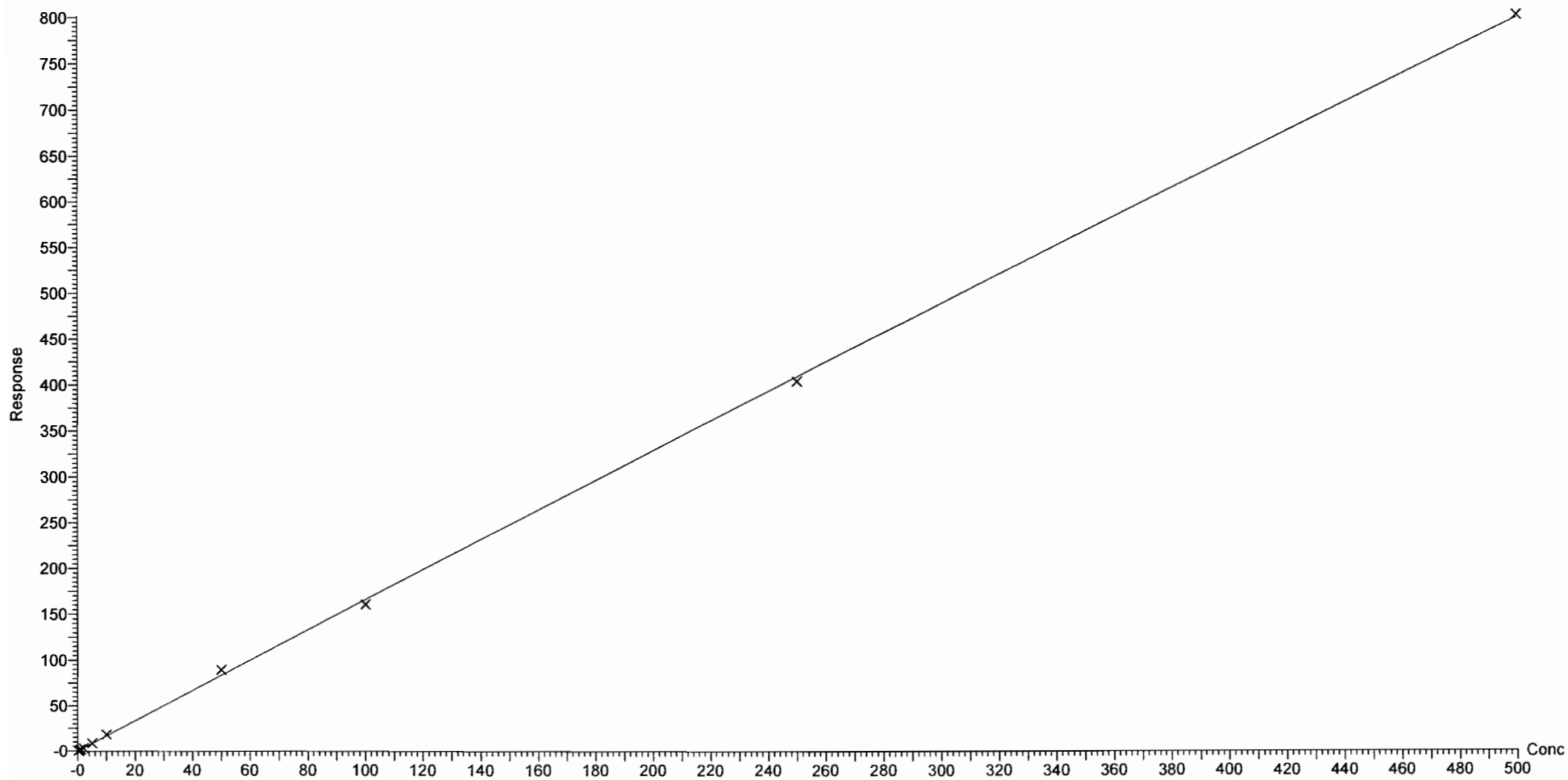
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time  
Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

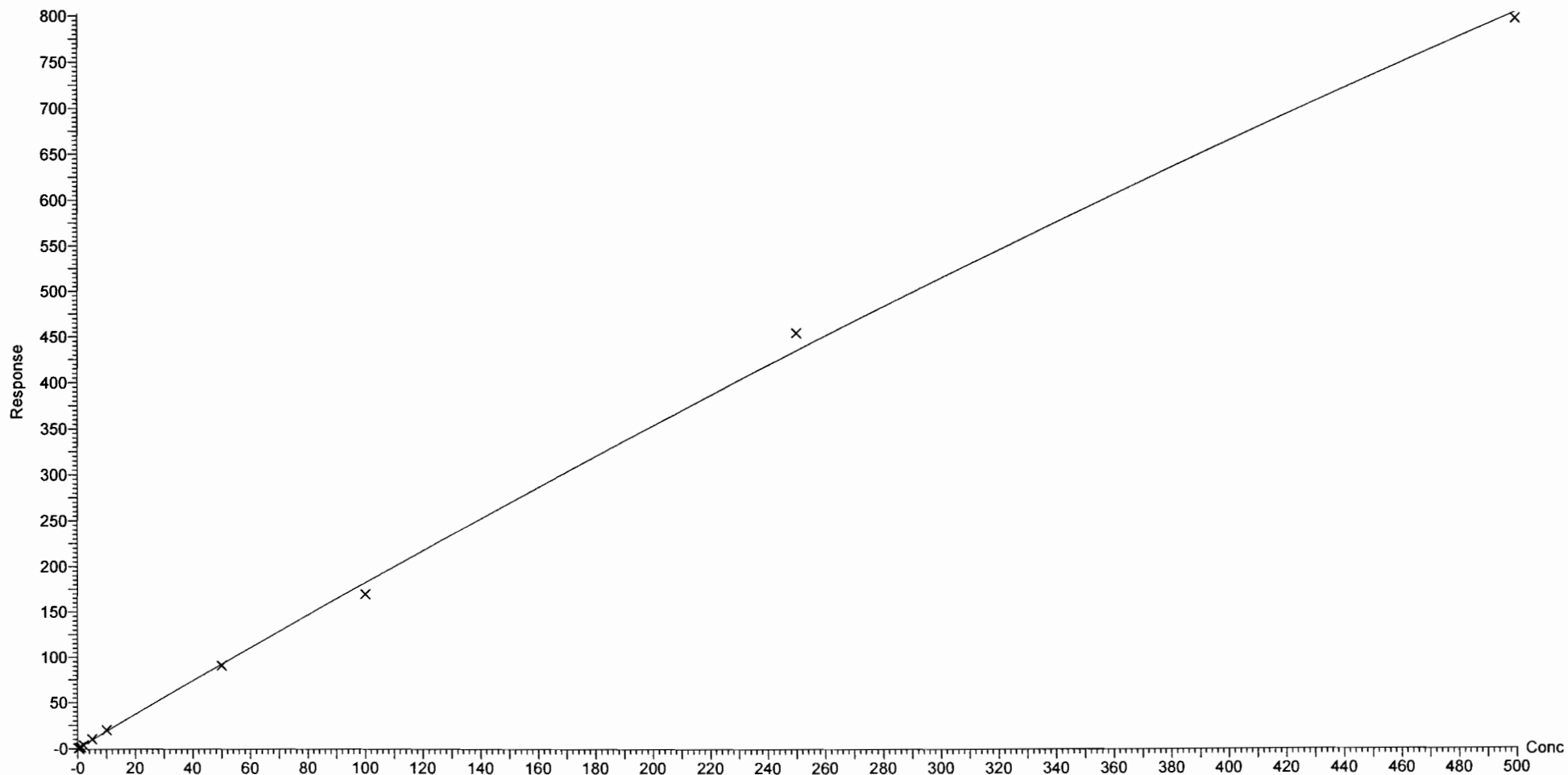
Compound name: PFBS  
Coefficient of Determination:  $R^2 = 0.999430$   
Calibration curve:  $-0.000158919 * x^2 + 1.67715 * x + -0.0687622$   
Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )  
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time  
Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Compound name: 4:2 FTS  
Coefficient of Determination:  $R^2 = 0.998598$   
Calibration curve:  $-0.00054105 * x^2 + 1.8746 * x + 0.00712519$   
Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )  
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

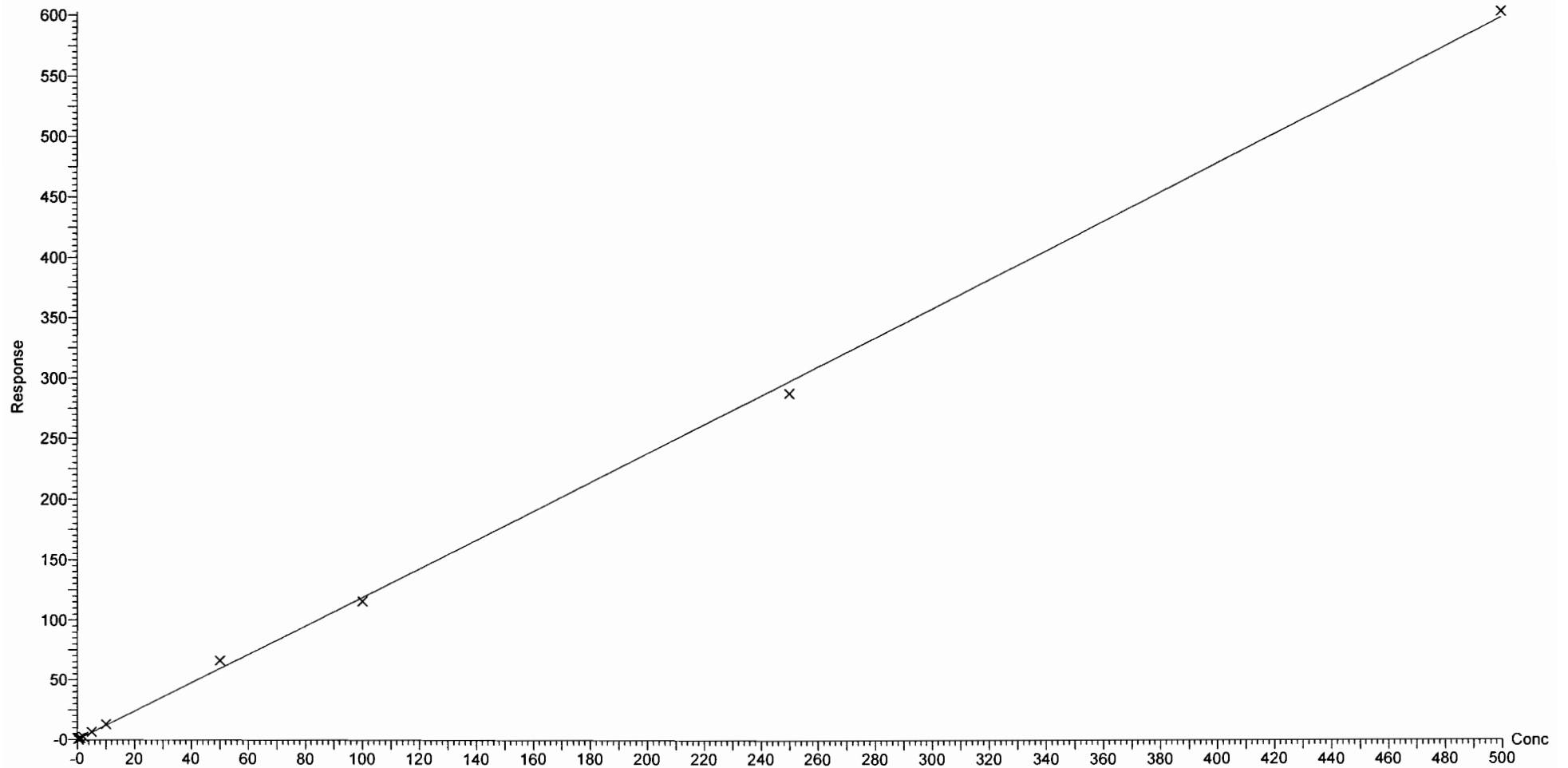
Compound name: PFHxA

Coefficient of Determination:  $R^2 = 0.998788$

Calibration curve:  $2.06682e-005 * x^2 + 1.18443 * x + 0.0839874$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

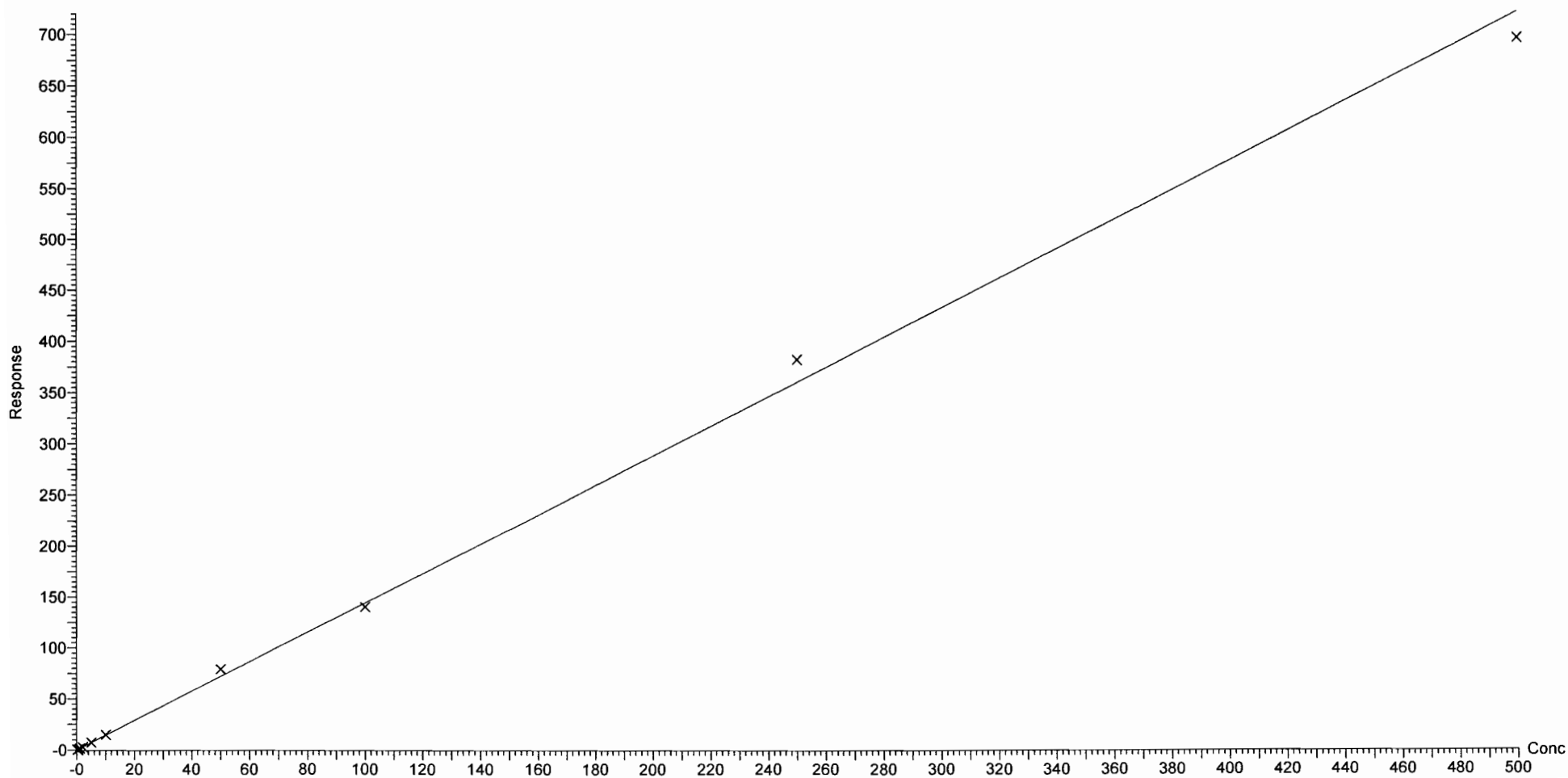
Compound name: PFPeS

Correlation coefficient:  $r = 0.998848$ ,  $r^2 = 0.997698$

Calibration curve:  $1.44062 * x + 0.0351081$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

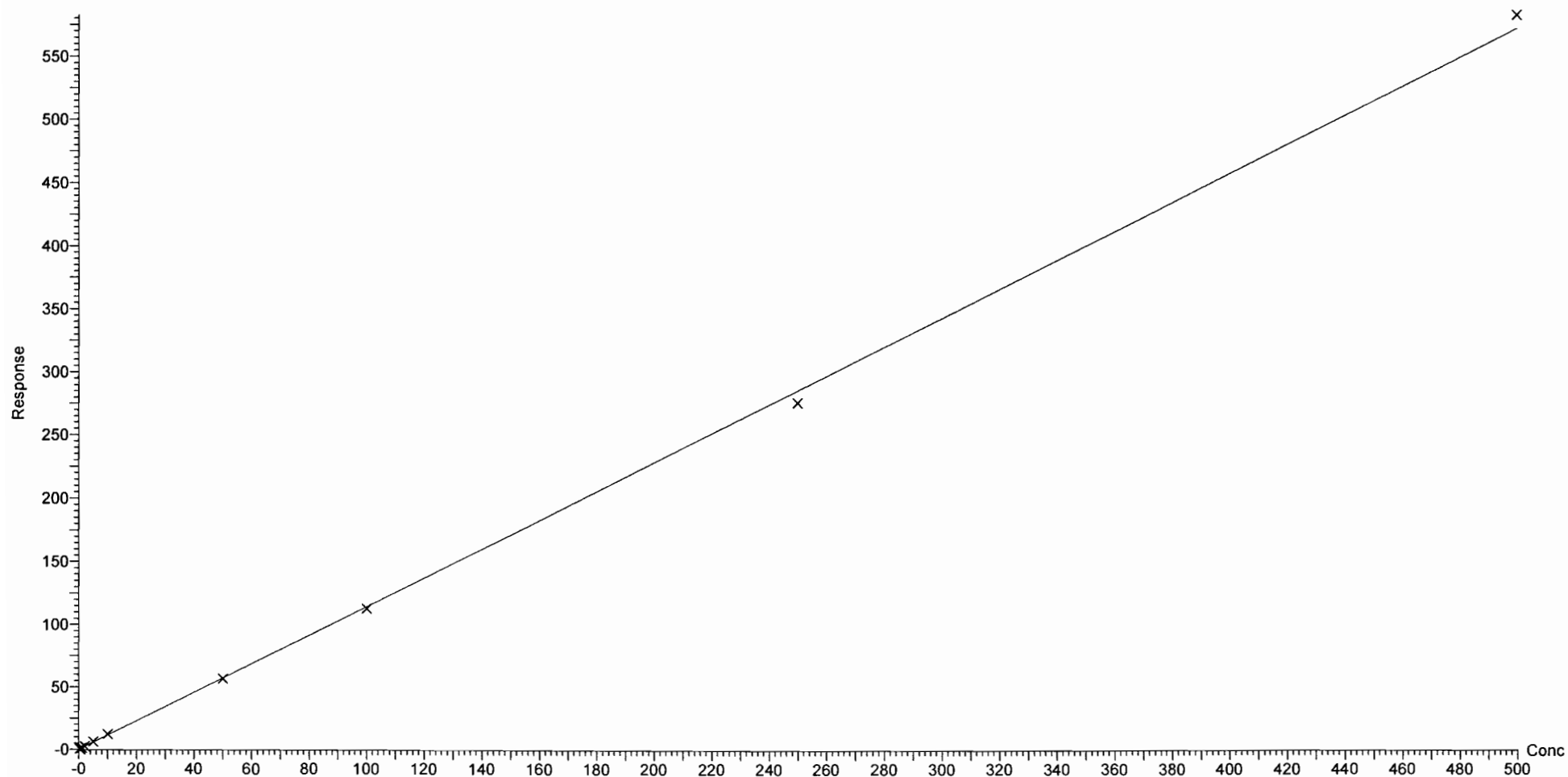
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time  
Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Compound name: PFHpA  
Correlation coefficient:  $r = 0.999706$ ,  $r^2 = 0.999412$   
Calibration curve:  $1.14274 * x + 0.100127$   
Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

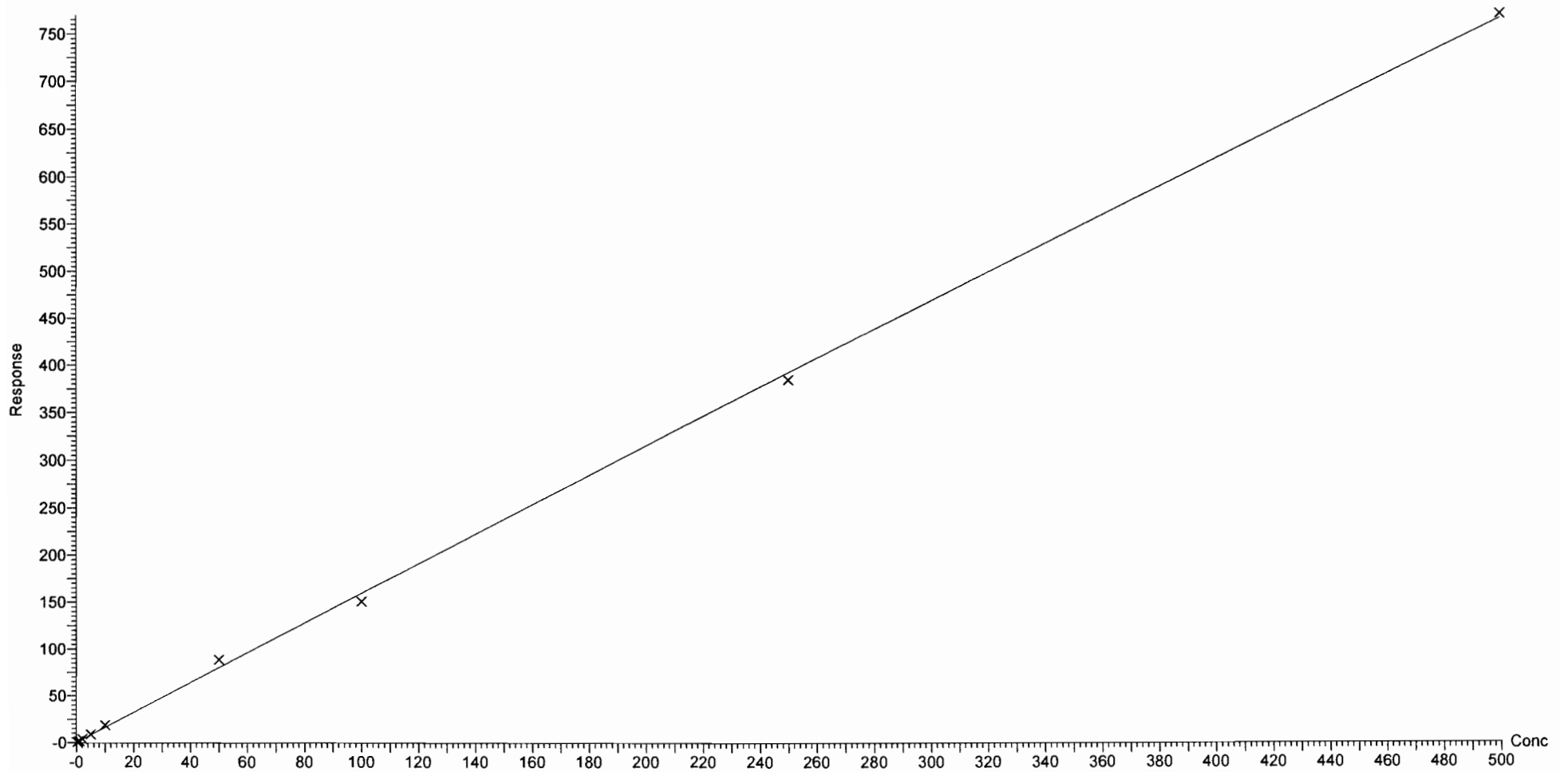
Compound name: L-PFHxS

Coefficient of Determination:  $R^2 = 0.998479$

Calibration curve:  $-0.000155194 * x^2 + 1.60684 * x + 0.149402$

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

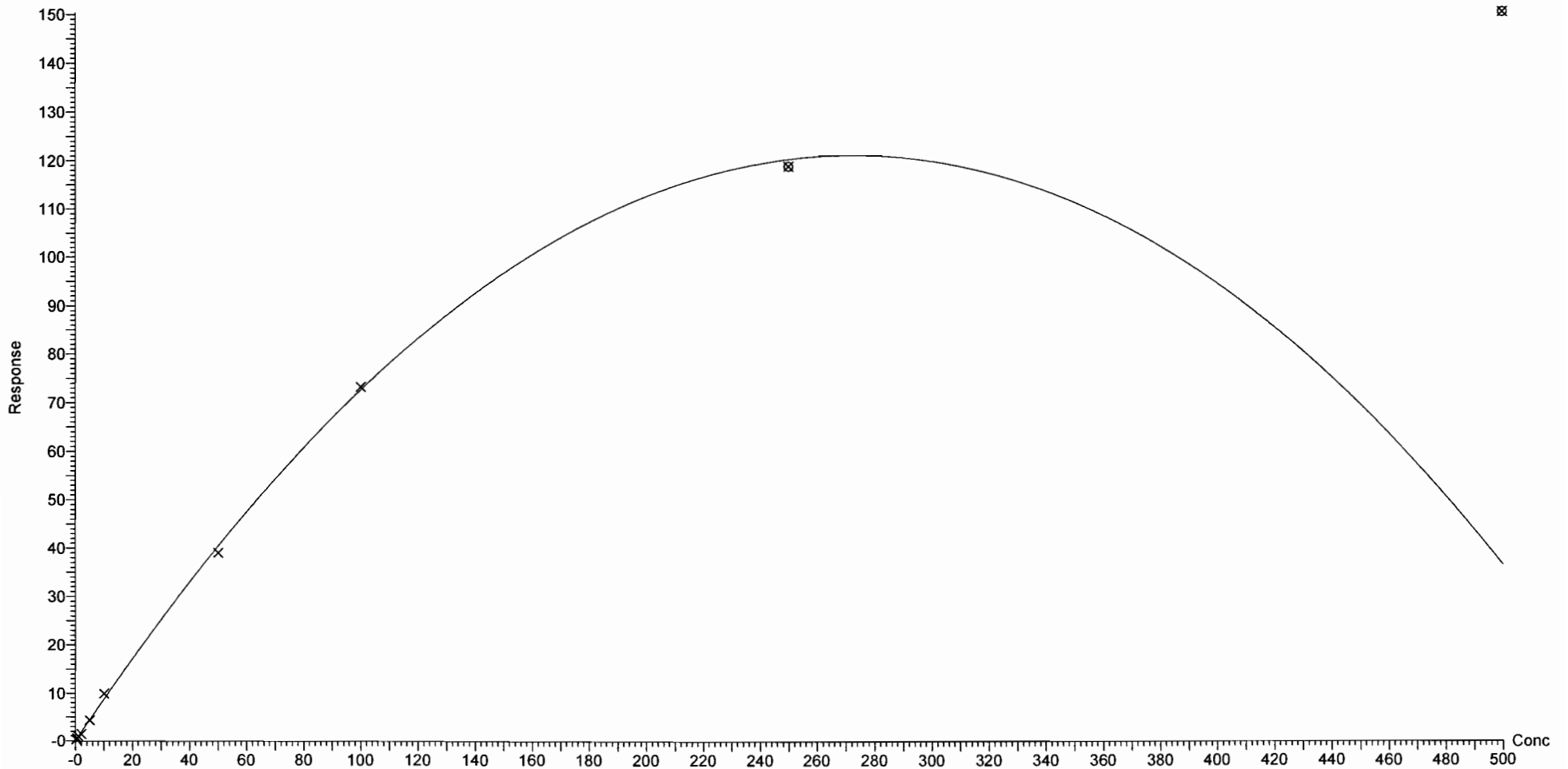


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Compound name: 6:2 FTS  
Coefficient of Determination:  $R^2 = 0.997316$   
Calibration curve:  $-0.00163396 * x^2 + 0.889965 * x + 0.0235723$   
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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

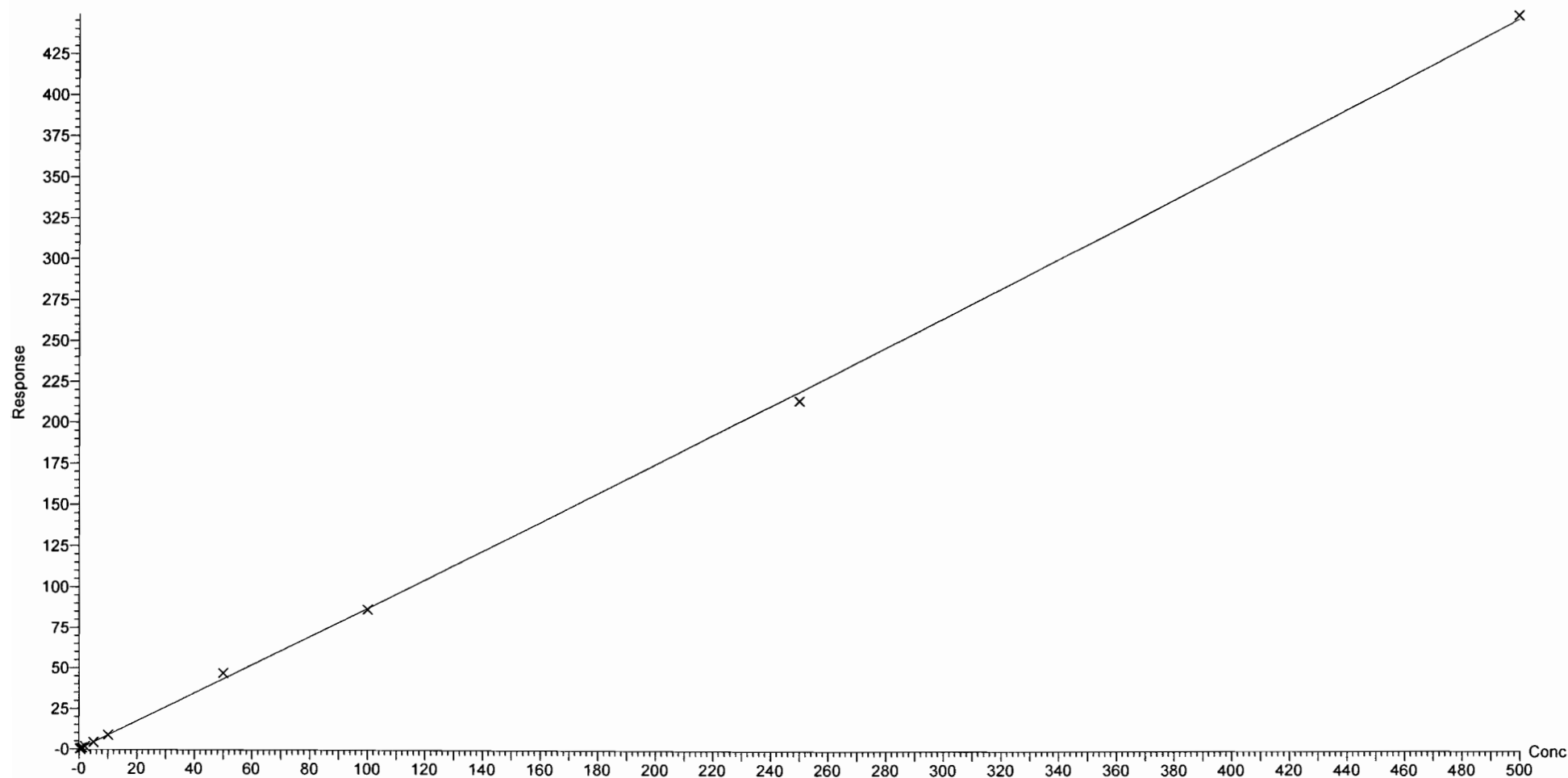
Compound name: L-PFOA

Coefficient of Determination:  $R^2 = 0.999417$

Calibration curve:  $5.73747e-005 * x^2 + 0.86389 * x + 0.0785332$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:09:19 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:58:32

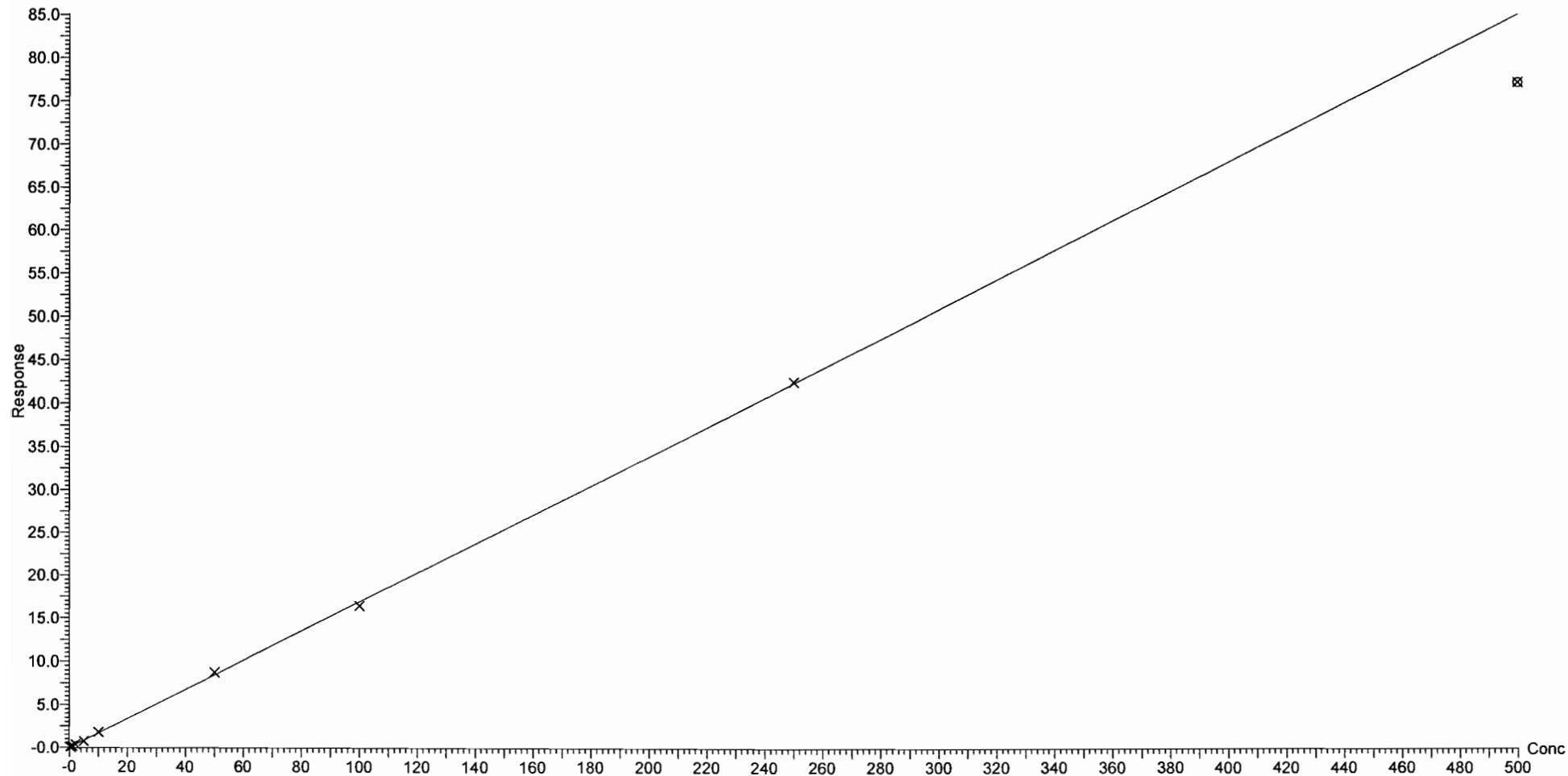
Compound name: PFHpS

Coefficient of Determination:  $R^2 = 0.999237$

Calibration curve:  $2.33731e-006 * x^2 + 0.16903 * x + -0.010638$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

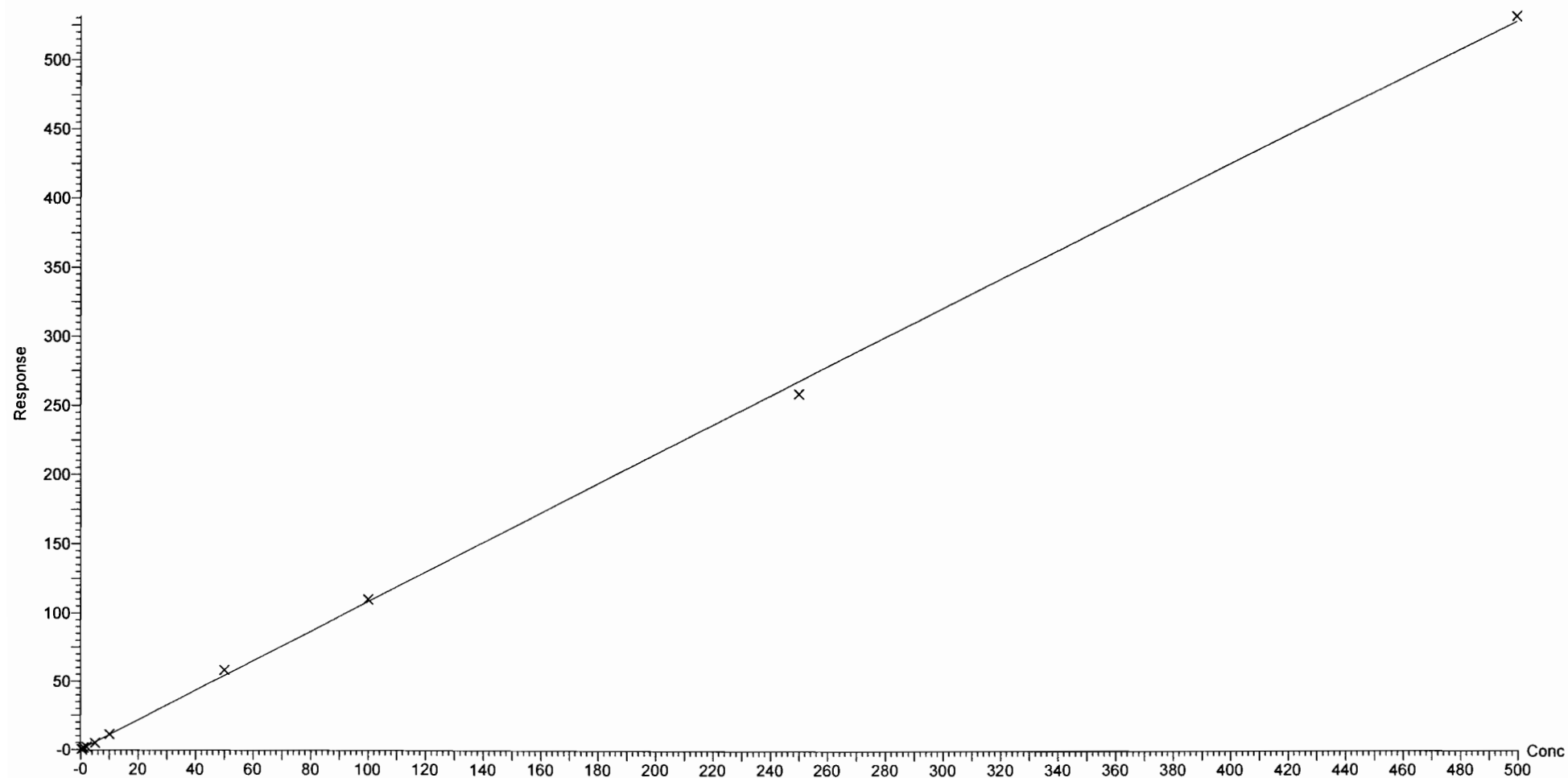
Compound name: PFNA

Coefficient of Determination:  $R^2 = 0.999133$

Calibration curve:  $-7.09061e-005 * x^2 + 1.09067 * x + 0.103342$

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

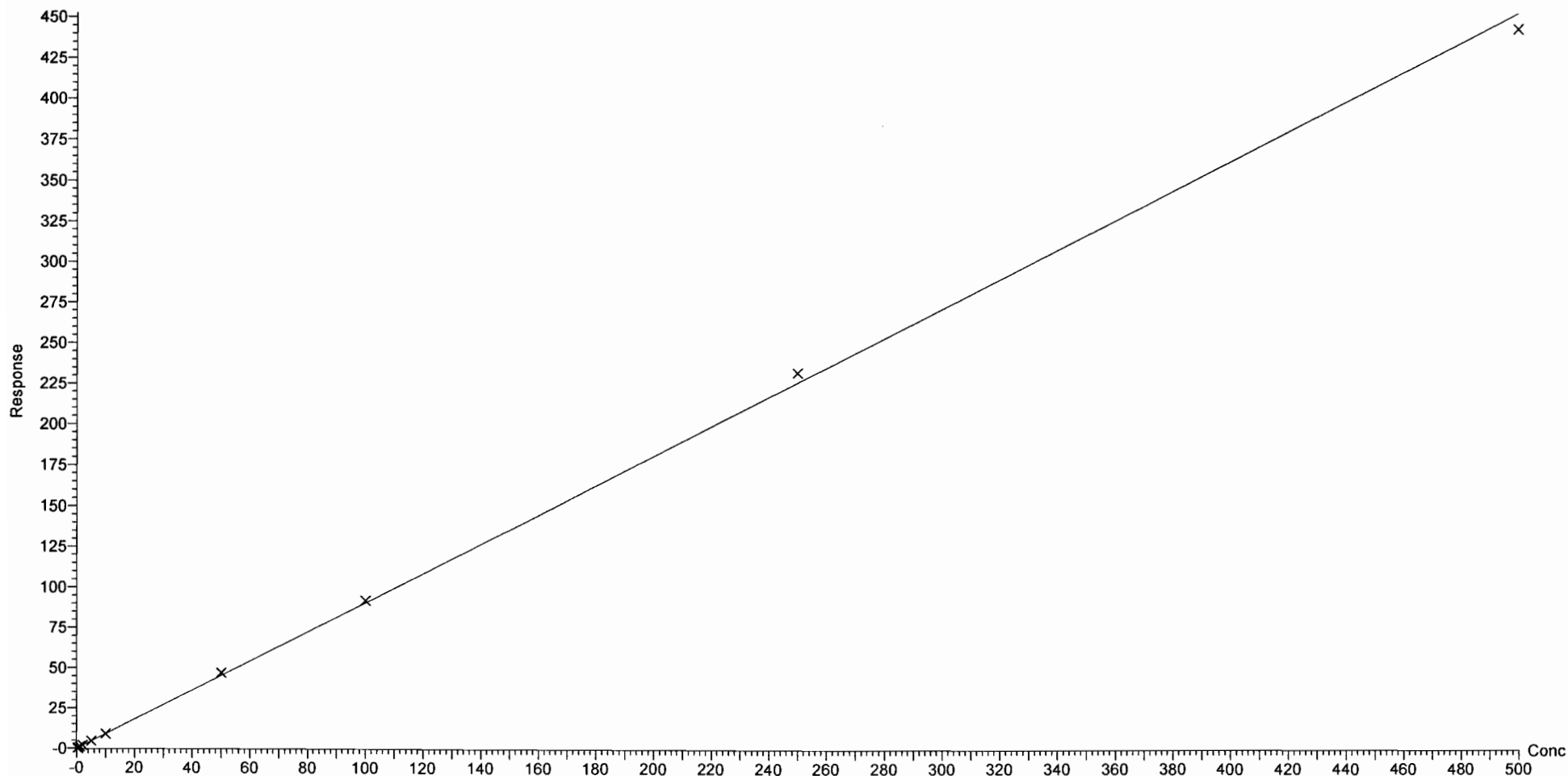
Compound name: PFOSA

Correlation coefficient:  $r = 0.999687$ ,  $r^2 = 0.999374$

Calibration curve:  $0.904782 * x + -0.0377316$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

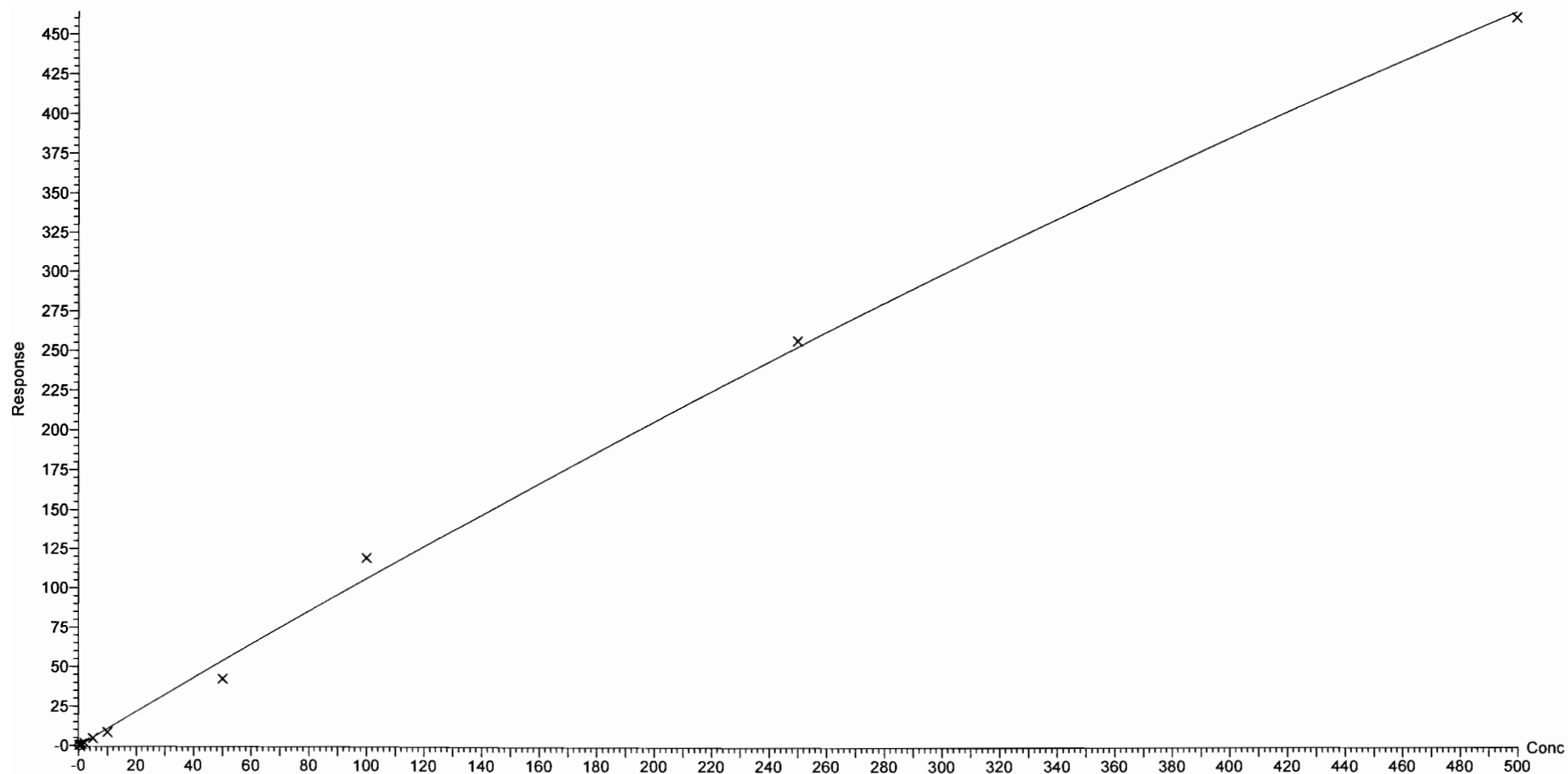
Compound name: L-PFOS

Coefficient of Determination:  $R^2 = 0.994319$

Calibration curve:  $-0.000338774 * x^2 + 1.09806 * x + -0.250673$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

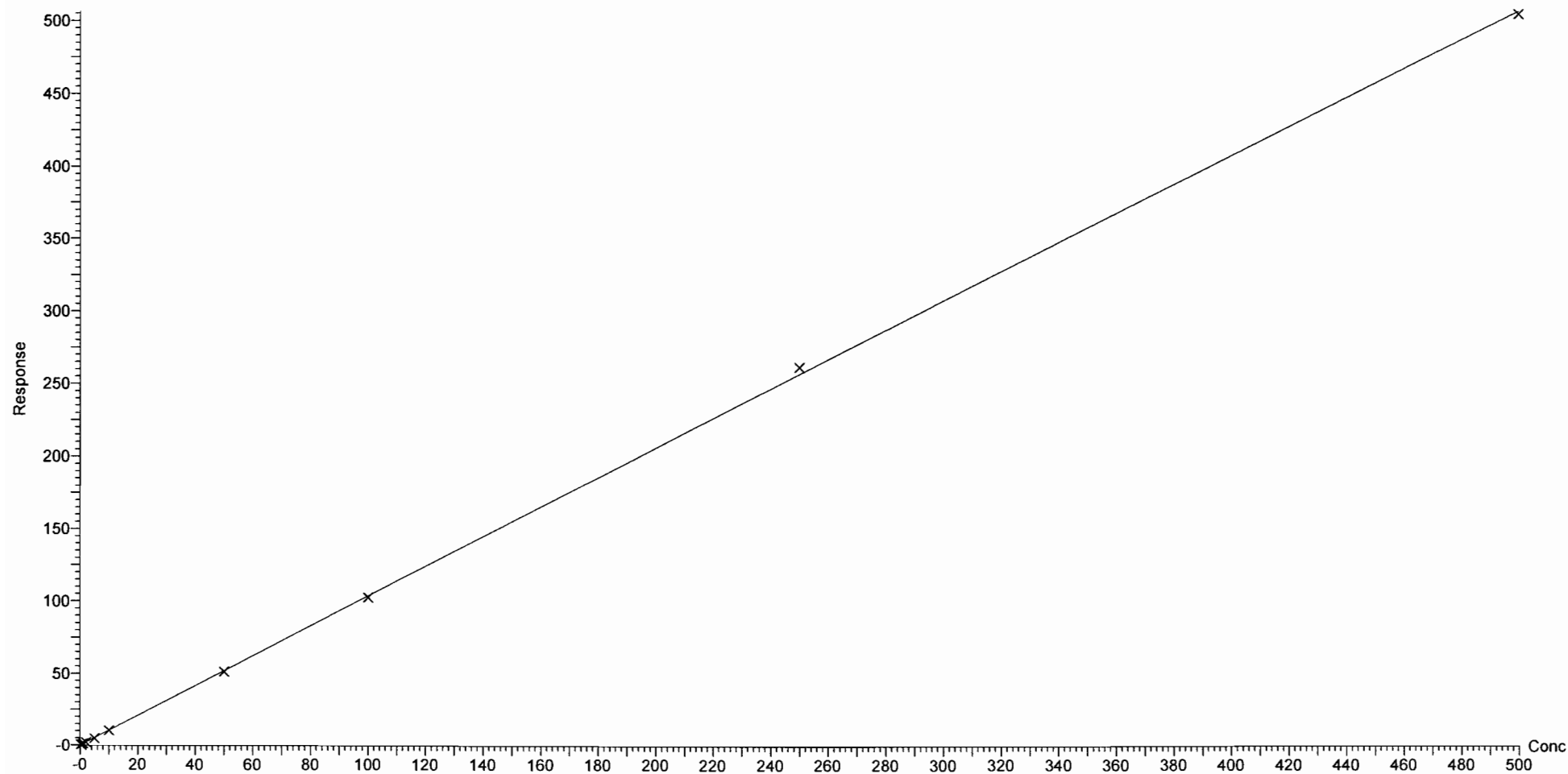
Compound name: PFDA

Coefficient of Determination:  $R^2 = 0.999780$

Calibration curve:  $-6.20967e-005 * x^2 + 1.04357 * x + -0.0162735$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

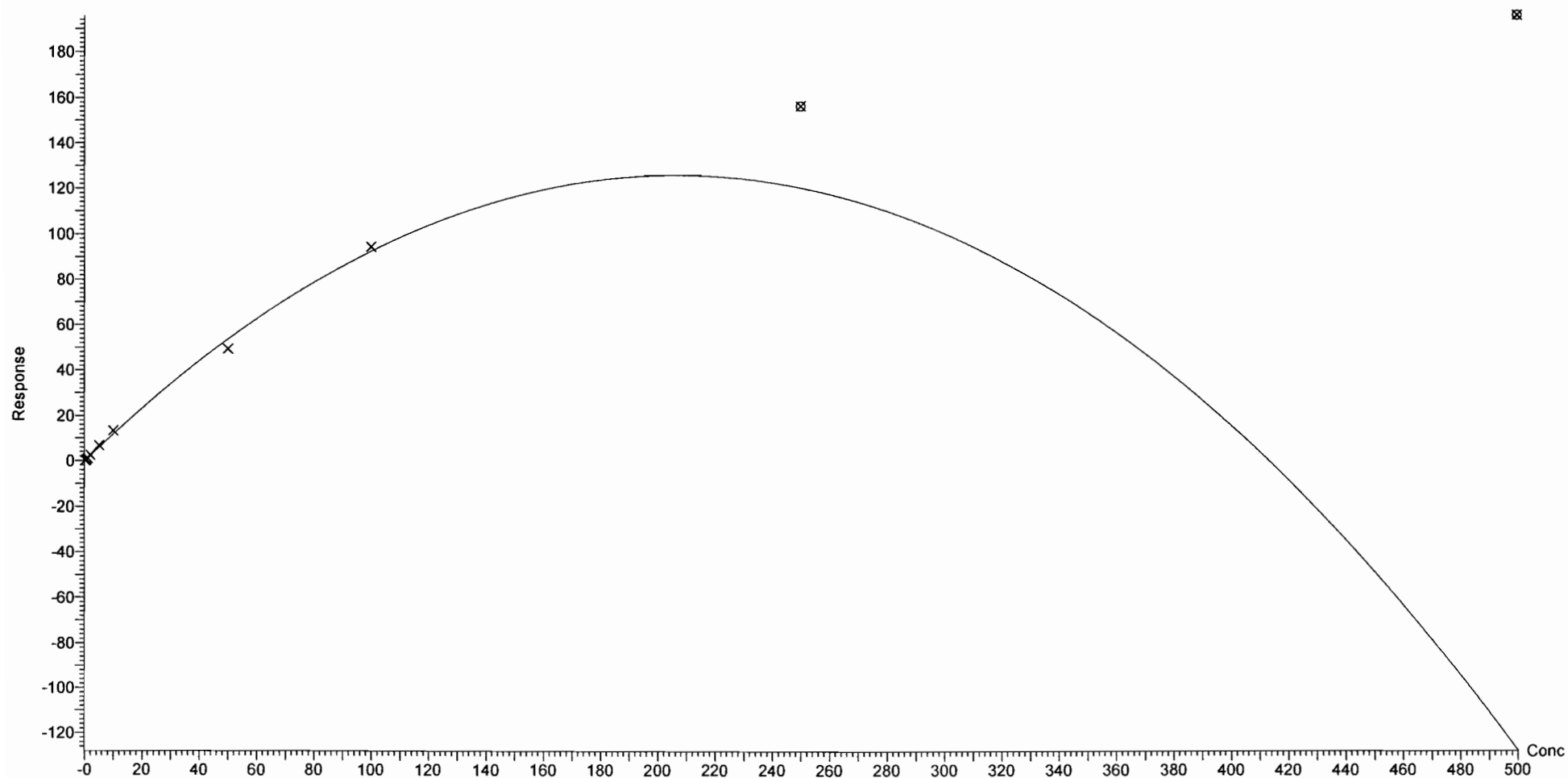
Compound name: 8:2 FTS

Coefficient of Determination:  $R^2 = 0.994918$

Calibration curve:  $-0.00295158 * x^2 + 1.22018 * x + -0.0610347$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

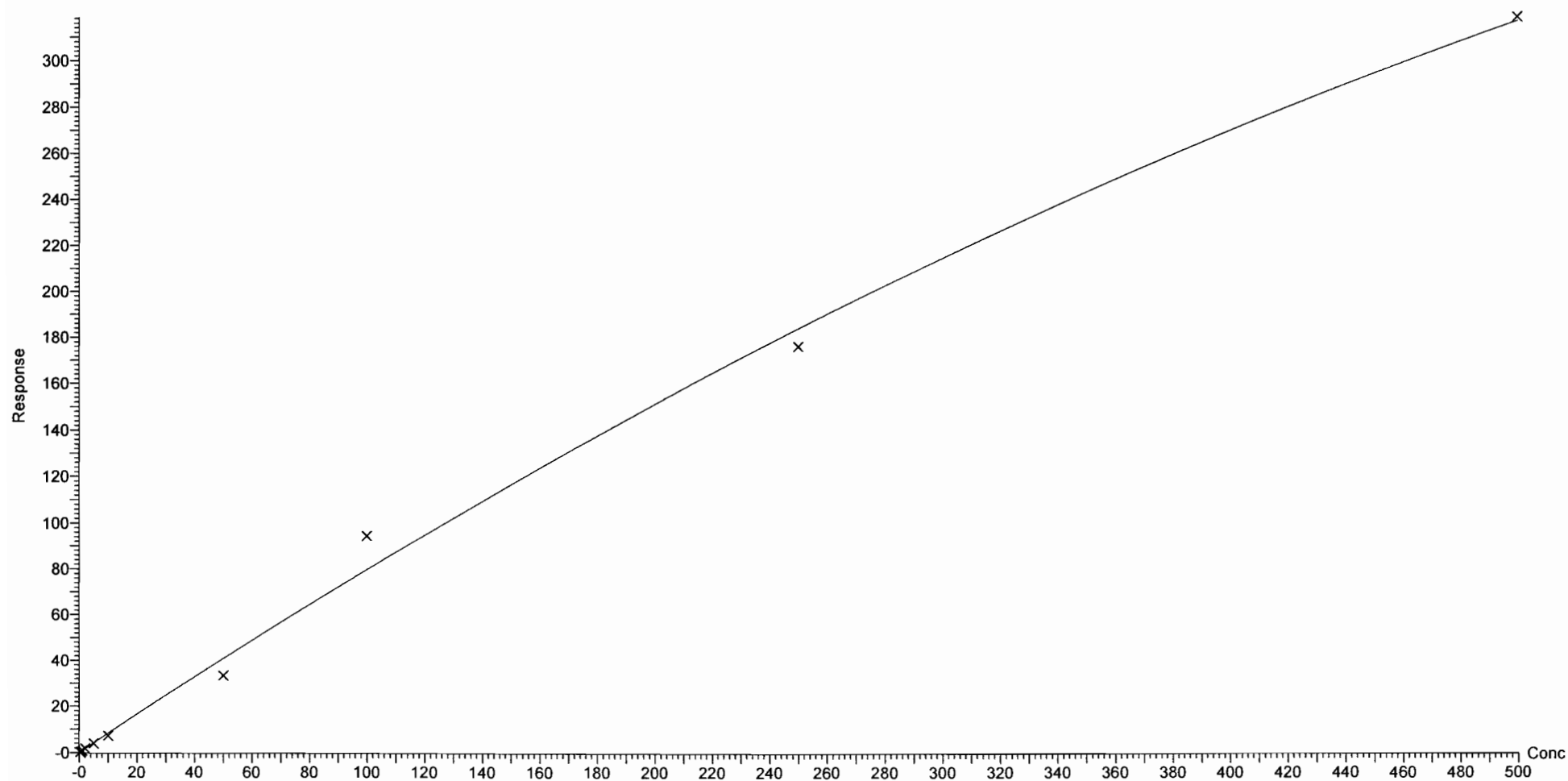
Compound name: PFNS

Coefficient of Determination:  $R^2 = 0.991720$

Calibration curve:  $-0.000412847 * x^2 + 0.839919 * x + -0.0462231$

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

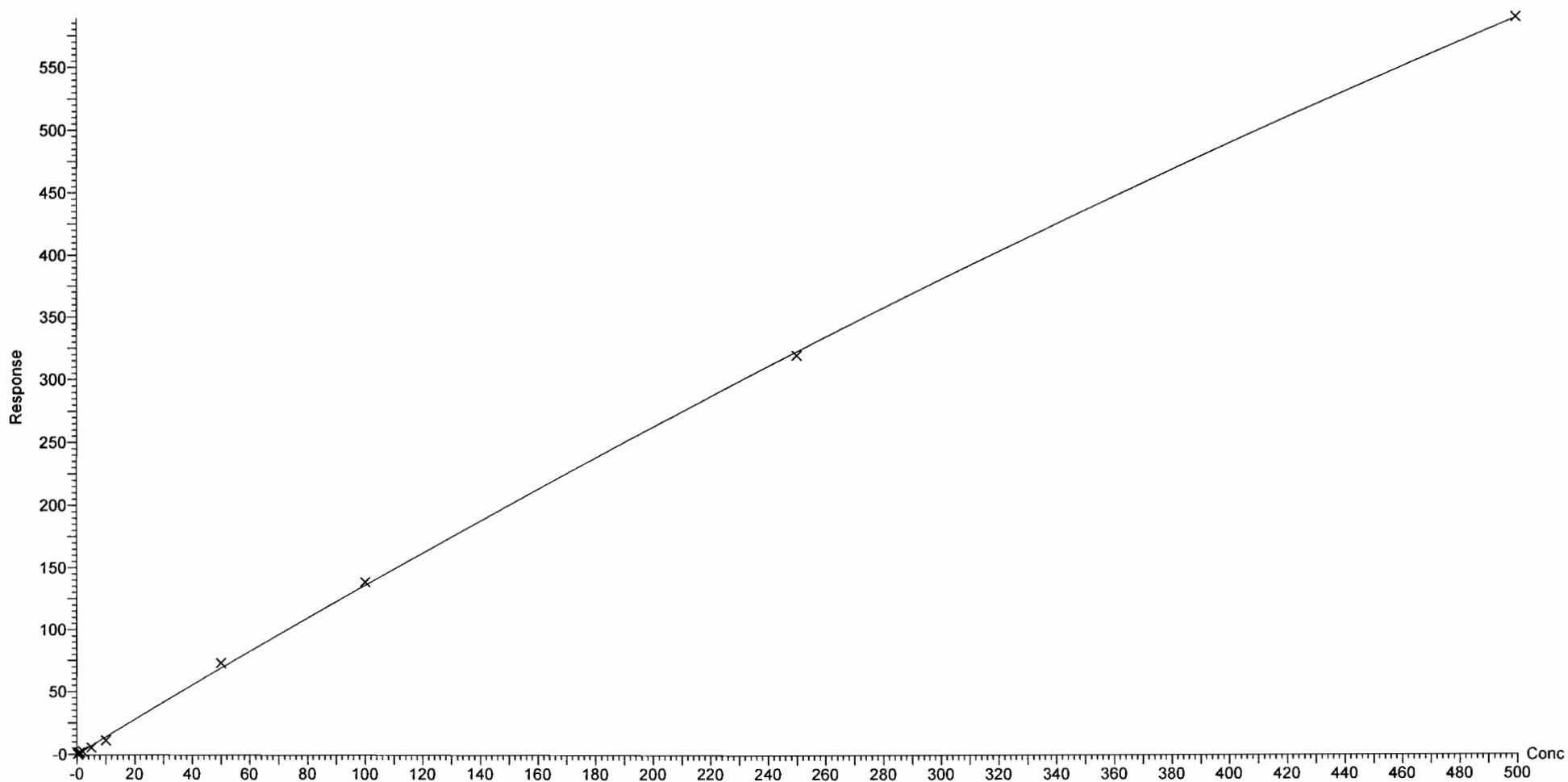


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Compound name: N-MeFOSAA  
Coefficient of Determination:  $R^2 = 0.998758$   
Calibration curve:  $-0.000457124 * x^2 + 1.40516 * x + -0.13662$   
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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

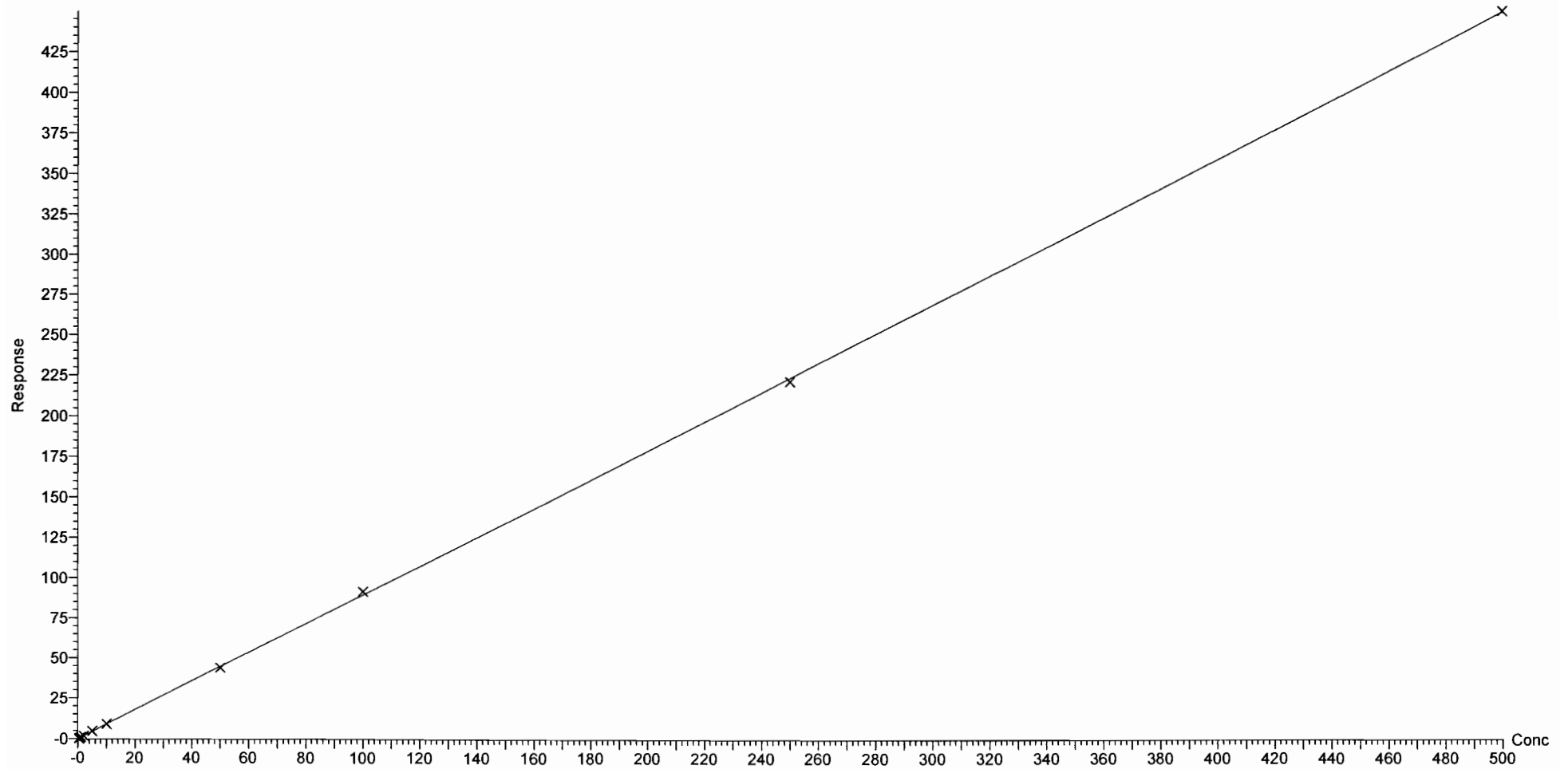
Compound name: N-EtFOSAA

Coefficient of Determination:  $R^2 = 0.999877$

Calibration curve:  $1.29194e-005 * x^2 + 0.891664 * x - 0.0100899$

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

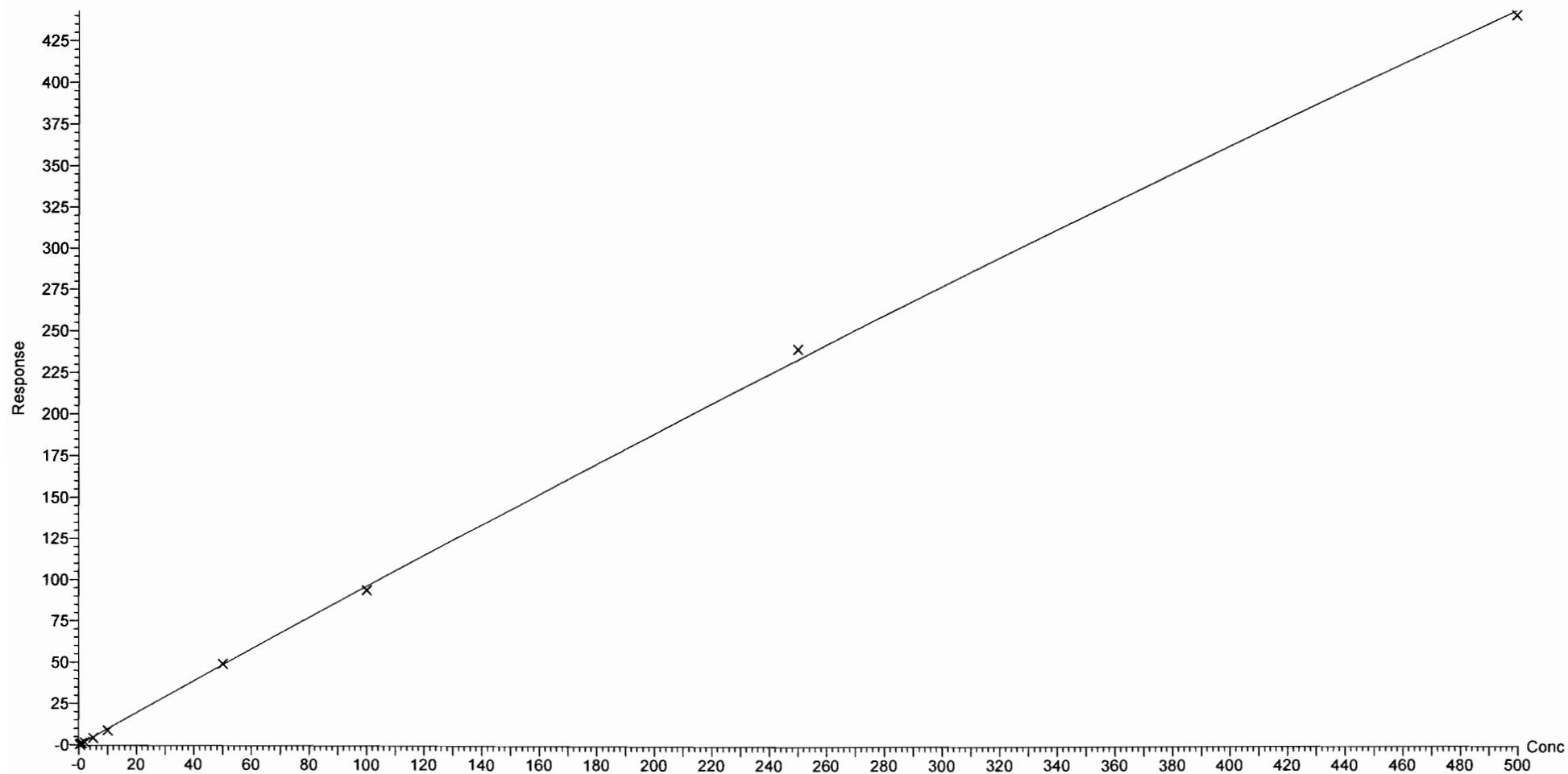
Compound name: PFUdA

Coefficient of Determination:  $R^2 = 0.999365$

Calibration curve:  $-0.0001944 * x^2 + 0.983025 * x + 0.00199177$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

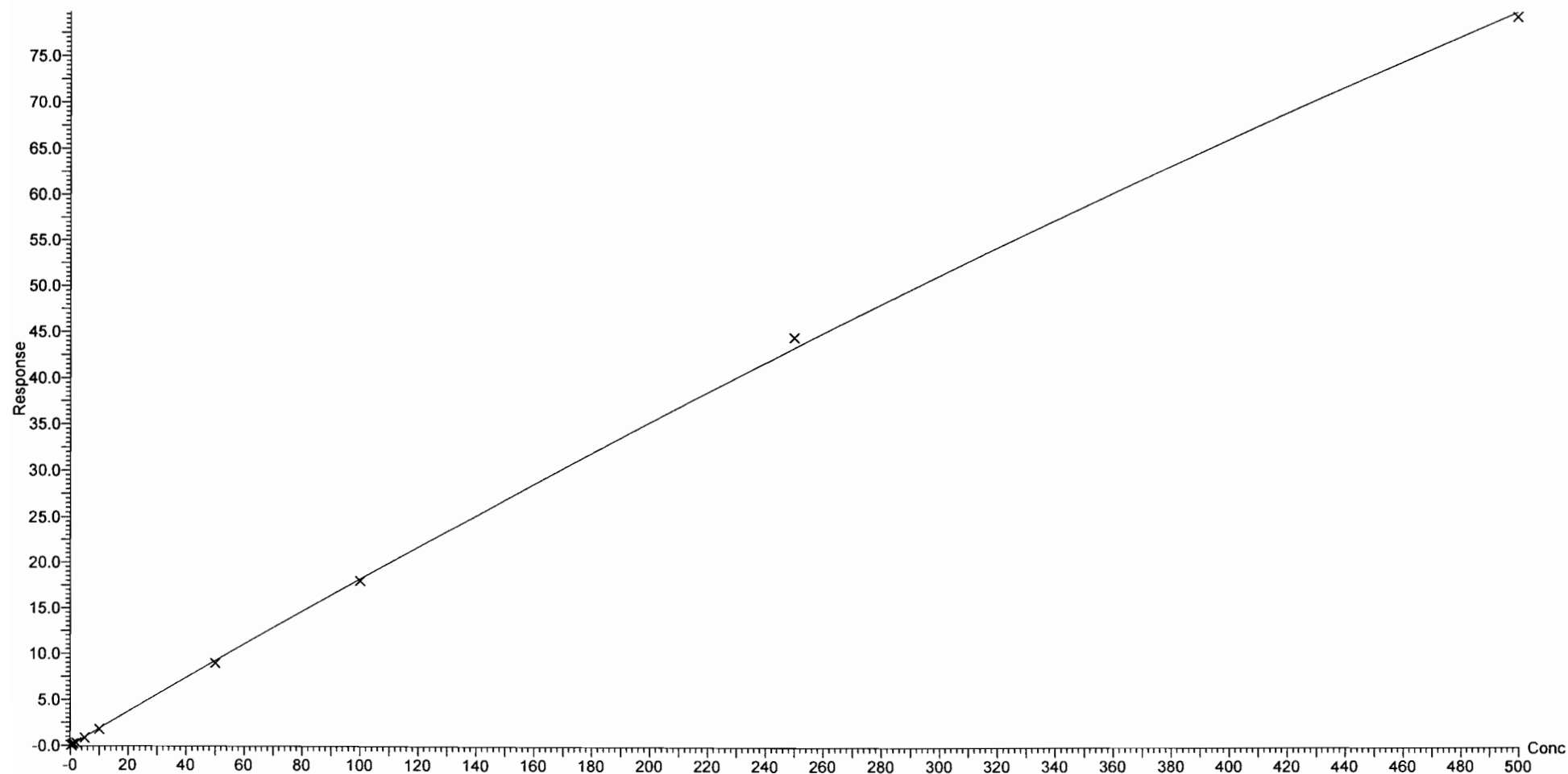
Compound name: PFDS

Coefficient of Determination:  $R^2 = 0.999590$

Calibration curve:  $-5.63643e-005 * x^2 + 0.187713 * x + -0.00532475$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

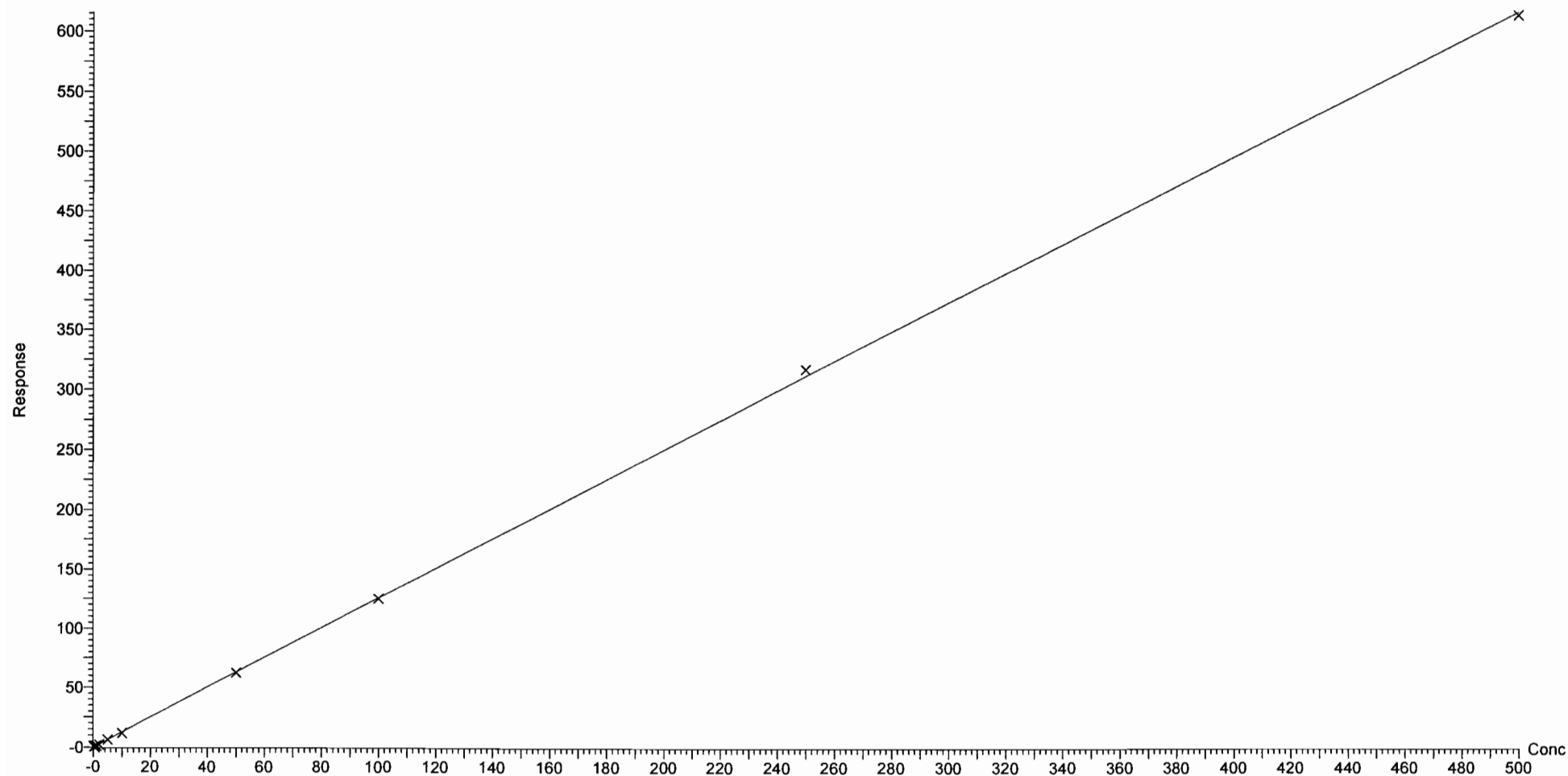
Compound name: PFDoA

Coefficient of Determination:  $R^2 = 0.999730$

Calibration curve:  $-6.9365e-005 * x^2 + 1.26593 * x + -0.0381542$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

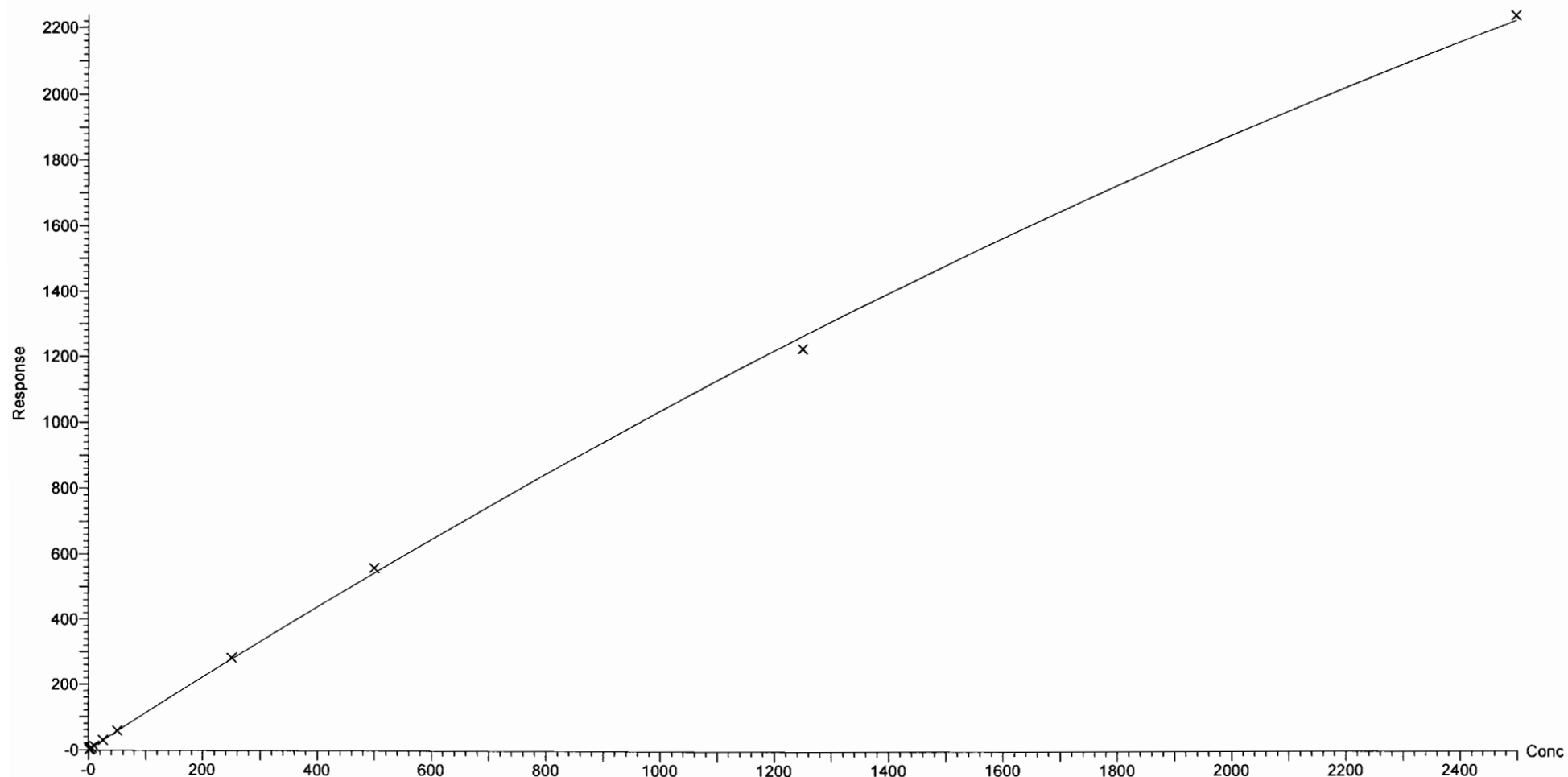


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

Compound name: N-MeFOSA  
Coefficient of Determination:  $R^2 = 0.999527$   
Calibration curve:  $-9.8969e-005 * x^2 + 1.13559 * x + 0.156829$   
Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

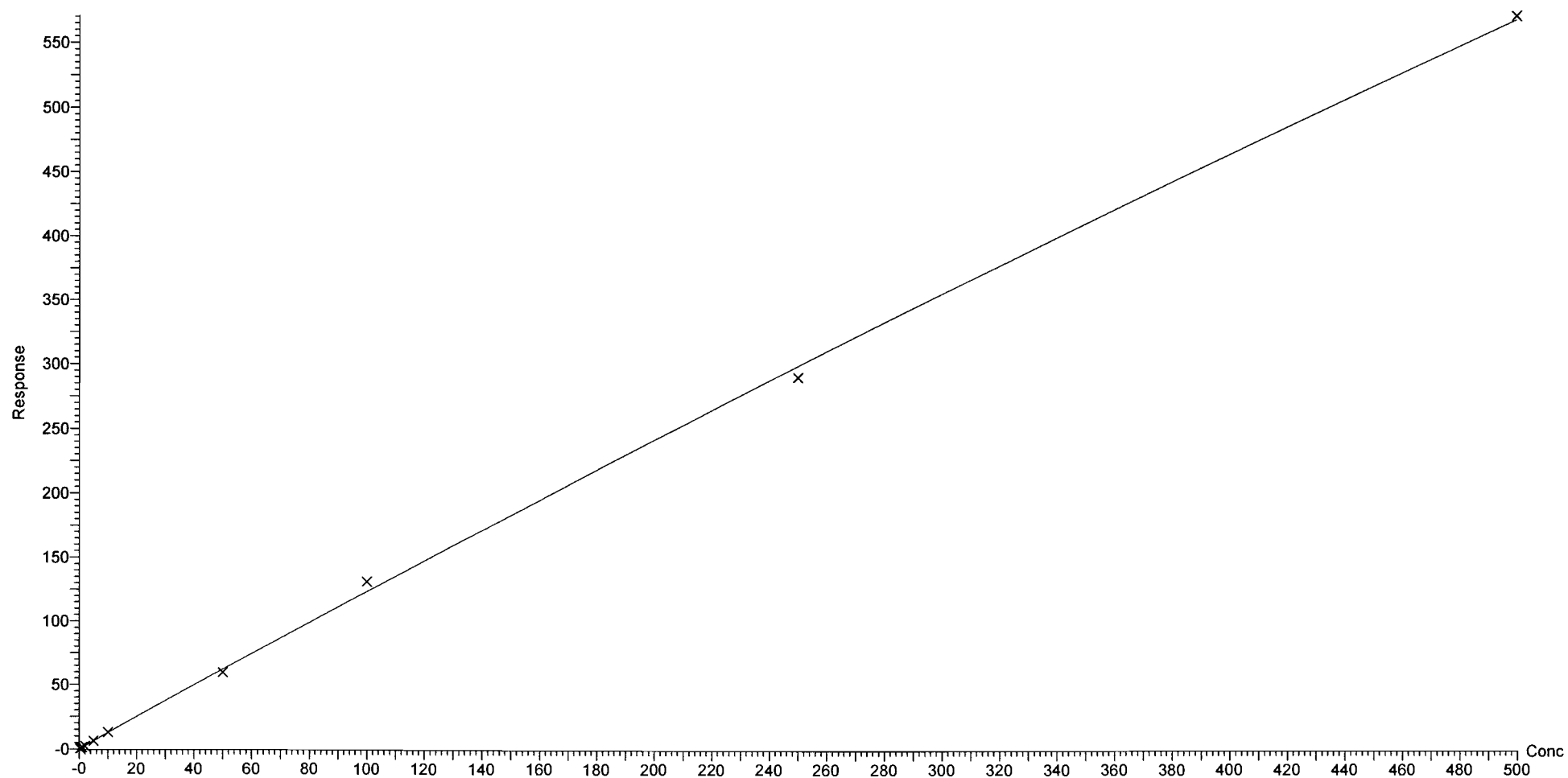
Compound name: PFTrDA

Coefficient of Determination:  $R^2 = 0.999101$

Calibration curve:  $-0.000245862 * x^2 + 1.25843 * x + -0.0168375$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 13:04:56 Pacific Standard Time

Printed: Thursday, March 08, 2018 13:06:35 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

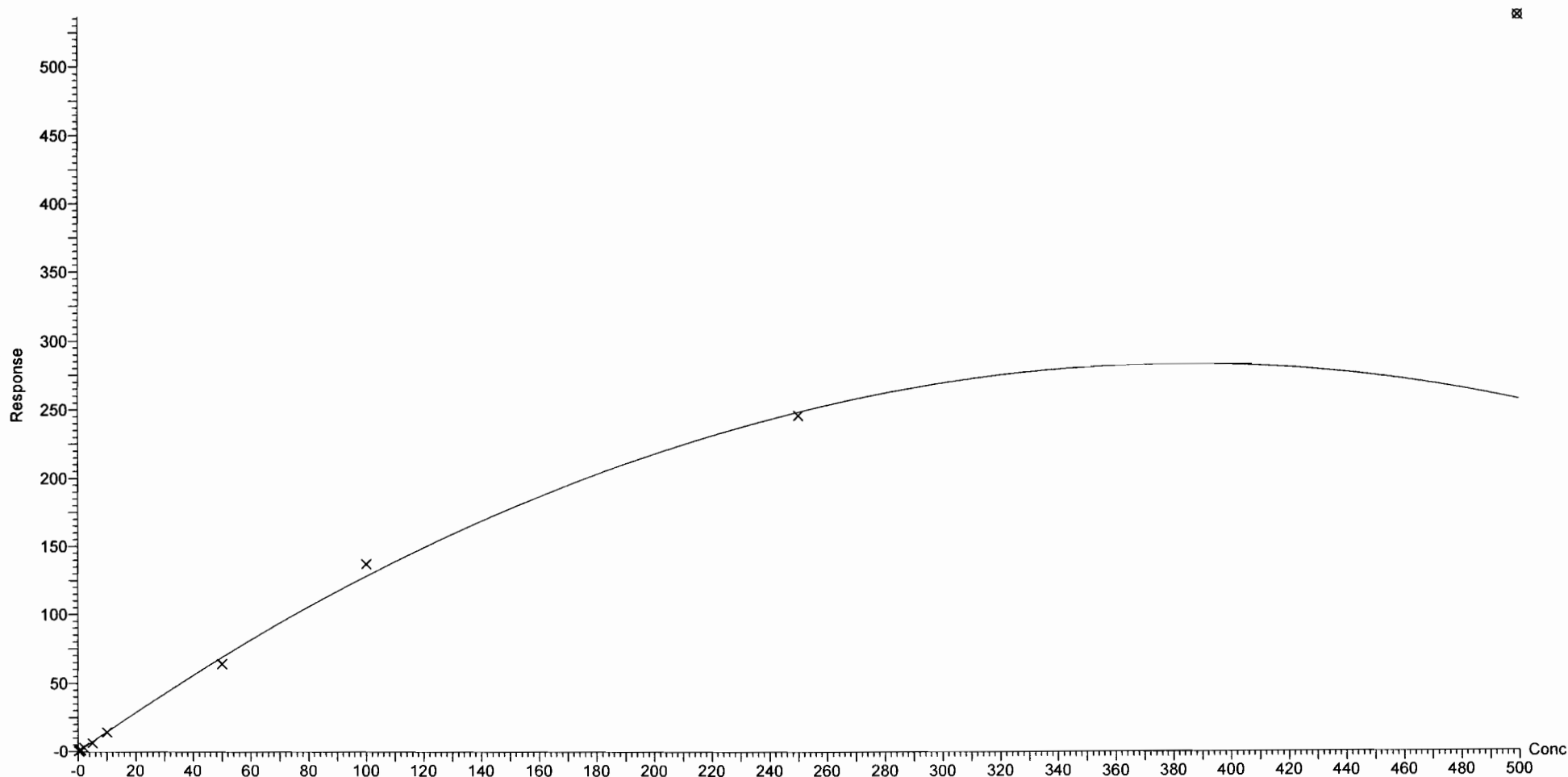
Compound name: PFTeDA

Coefficient of Determination:  $R^2 = 0.996740$

Calibration curve:  $-0.00192136 * x^2 + 1.47424 * x - 0.106072$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

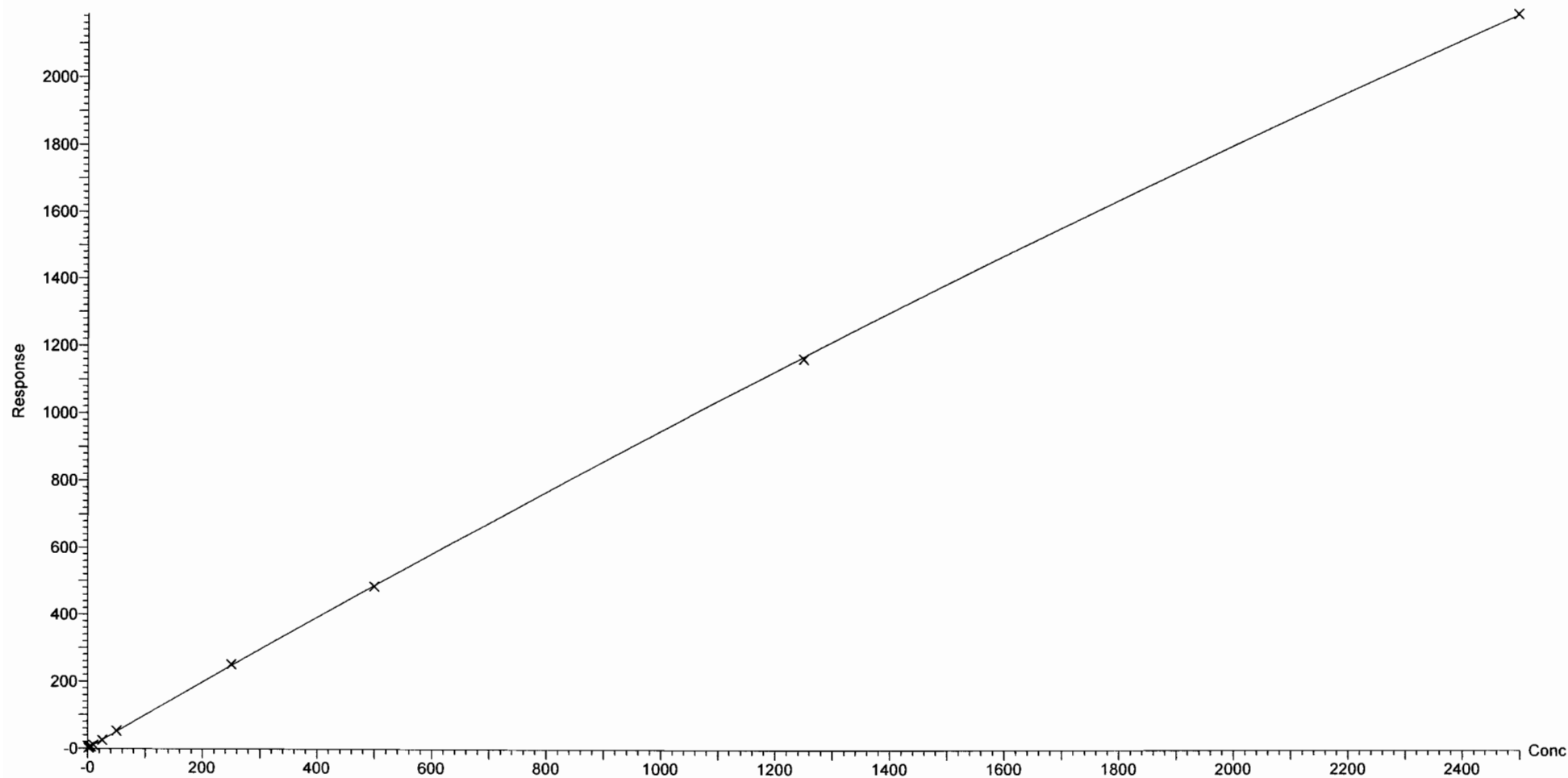
Compound name: N-EtFOSA

Coefficient of Determination:  $R^2 = 0.999937$

Calibration curve:  $-5.02335e-005 * x^2 + 0.998781 * x + 0.131582$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

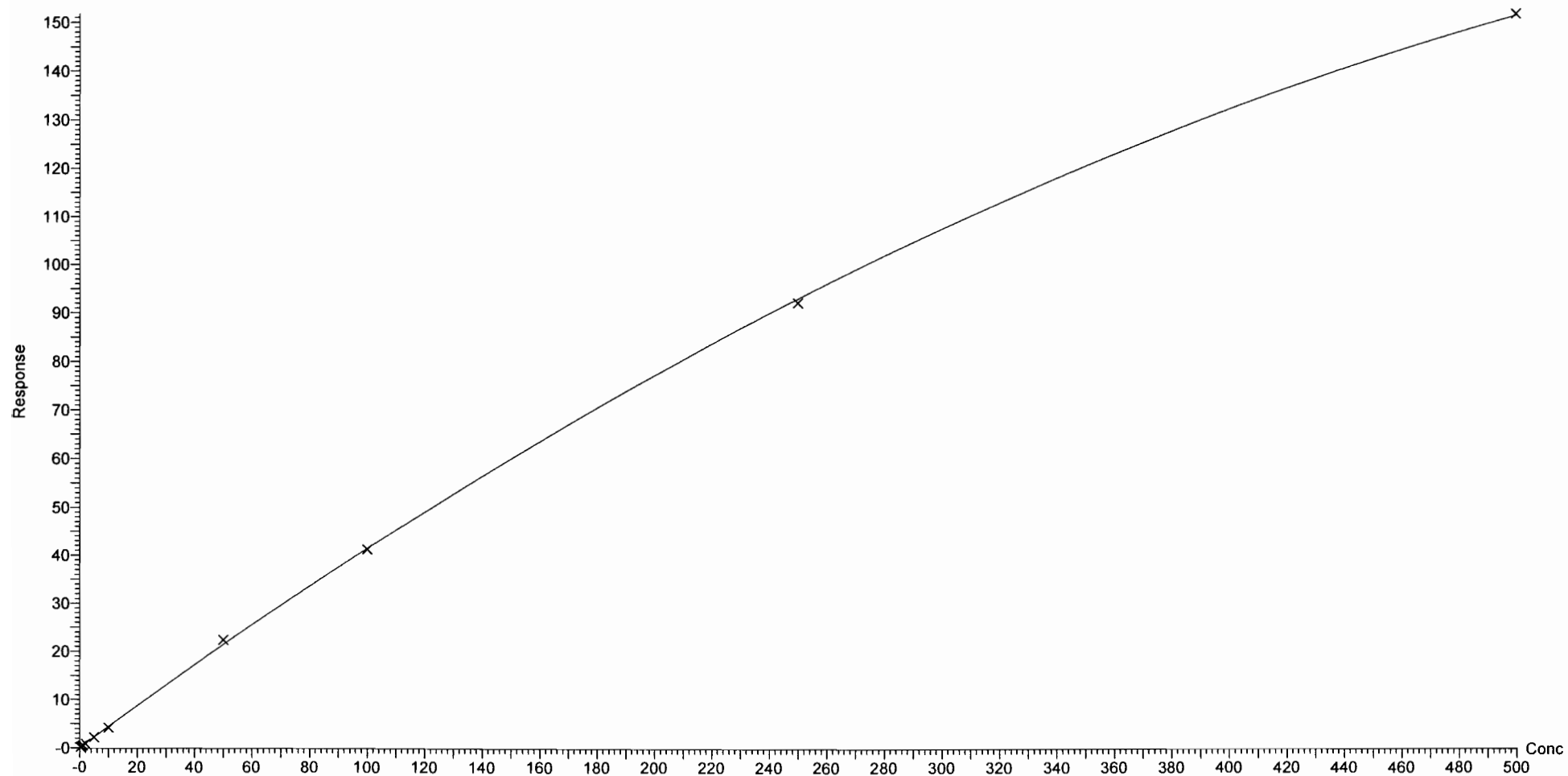
Compound name: PFHxDA

Coefficient of Determination:  $R^2 = 0.999708$

Calibration curve:  $-0.000278545 * x^2 + 0.441894 * x + 0.0447249$

Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

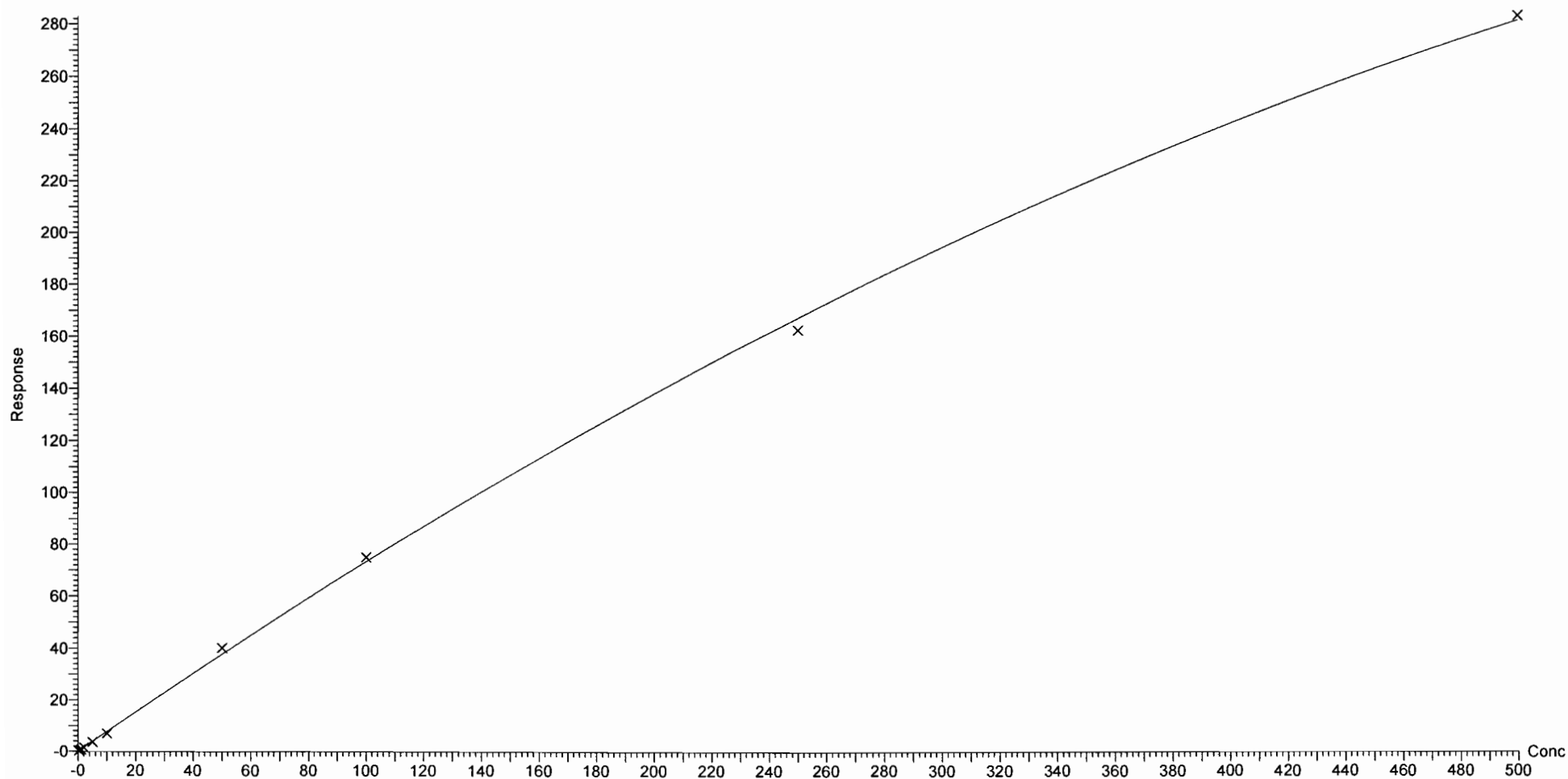
Compound name: PFODA

Coefficient of Determination:  $R^2 = 0.999091$

Calibration curve:  $-0.000428953 * x^2 + 0.776714 * x + -0.0227857$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

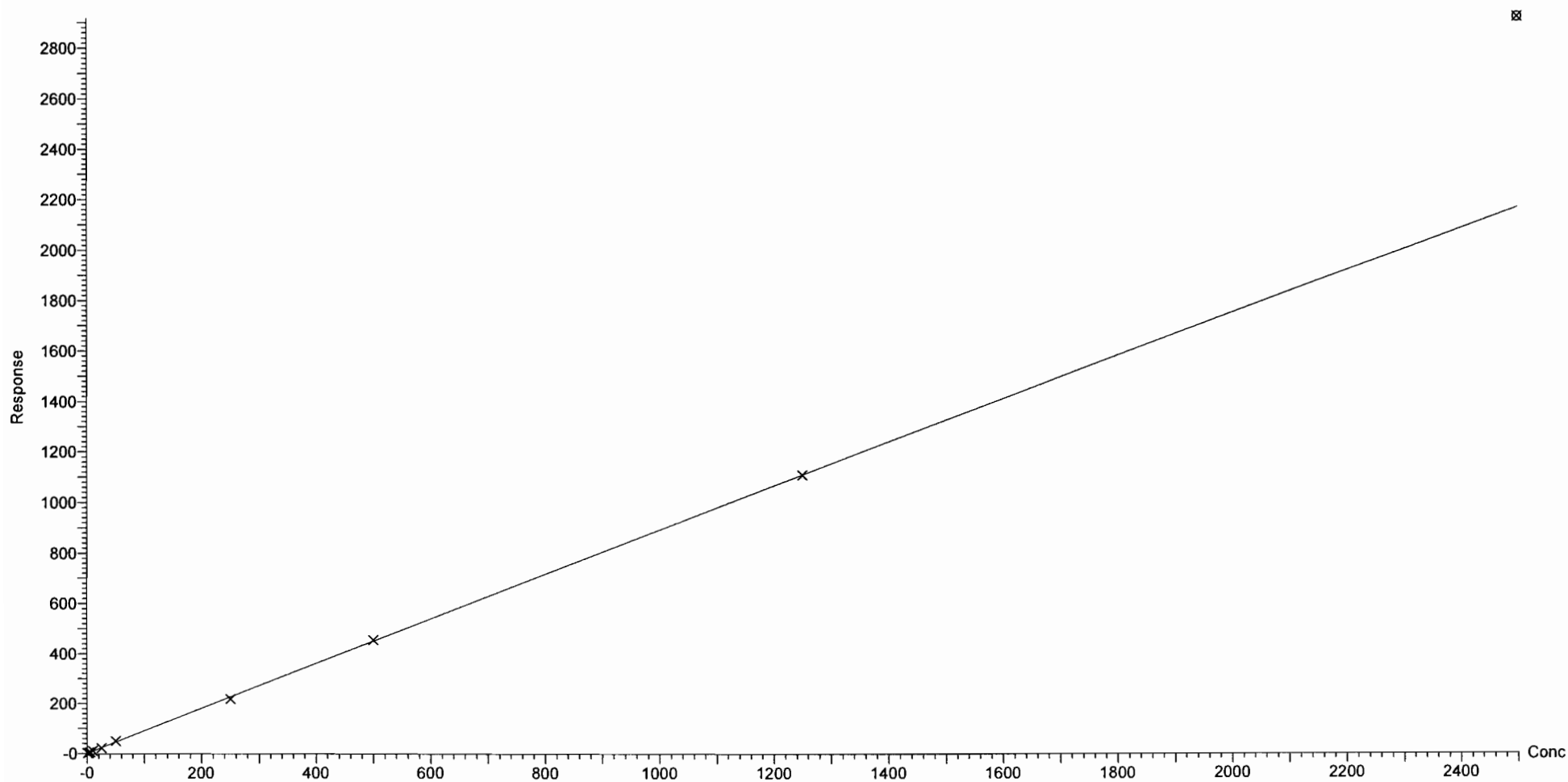
Compound name: N-MeFOSE

Coefficient of Determination:  $R^2 = 0.999493$

Calibration curve:  $-1.76031e-005 * x^2 + 0.909327 * x + 0.284381$

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\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:45:01 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:54:20 Pacific Standard Time

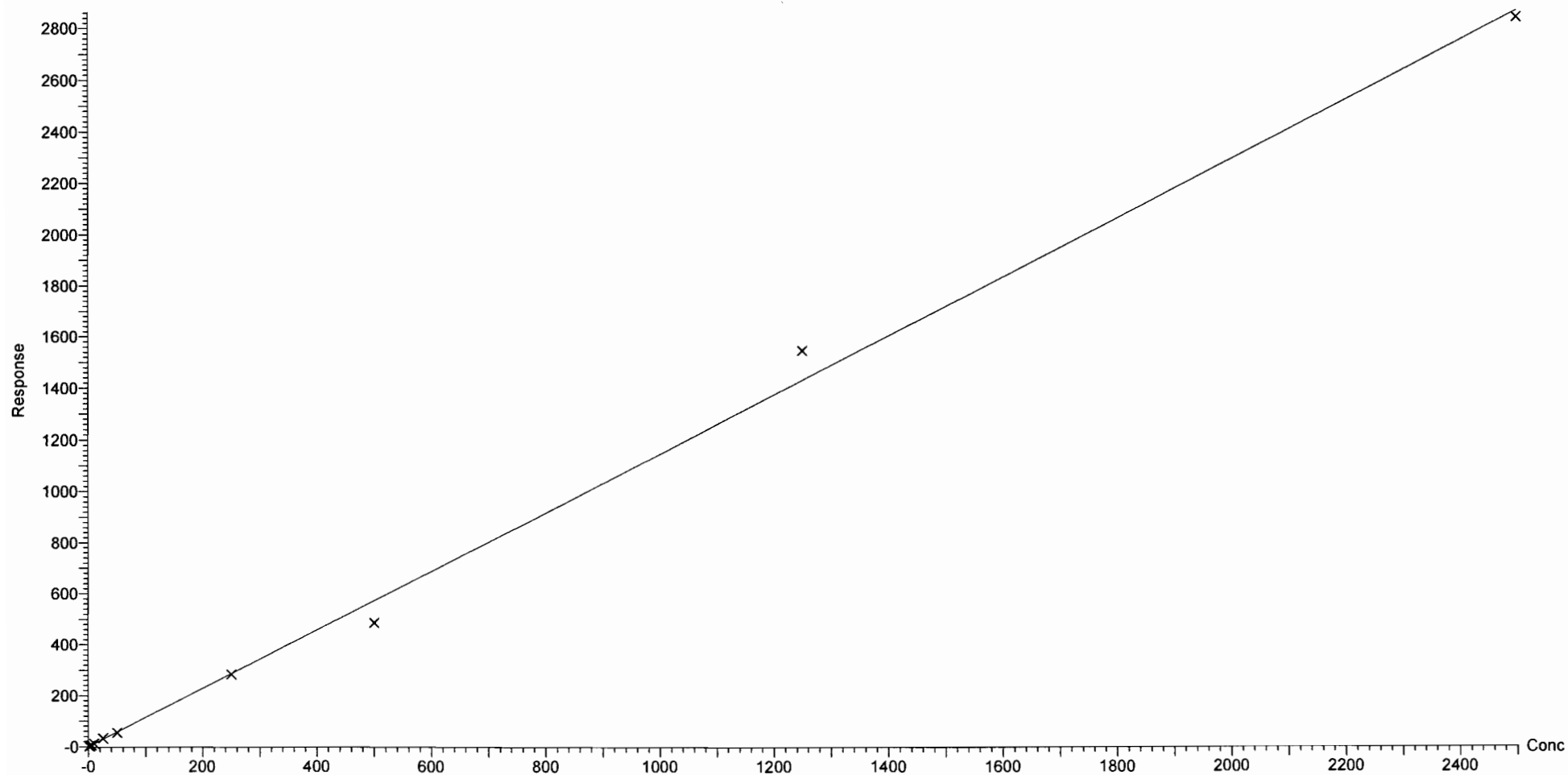
Compound name: N-EtFOSE

Correlation coefficient:  $r = 0.997737$ ,  $r^2 = 0.995479$

Calibration curve:  $1.14523 * x + 0.0635125$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

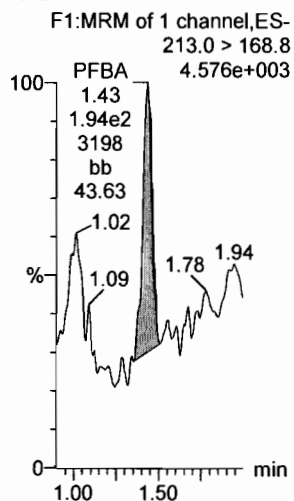
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:04:14

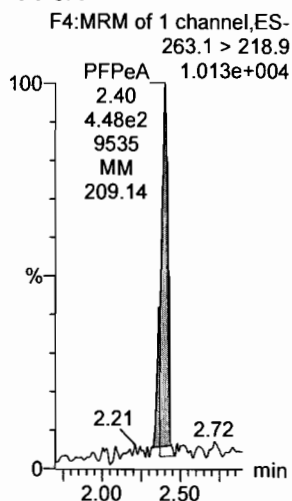
Calibration: 08 Mar 2018 11:30:49

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

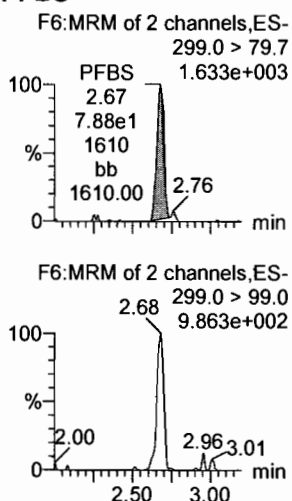
**PFBA**



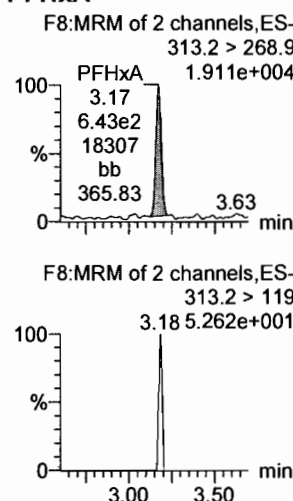
**PFPeA**



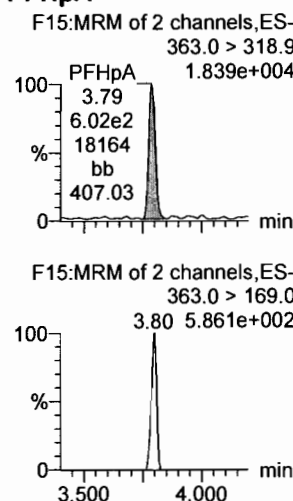
**PFBS**



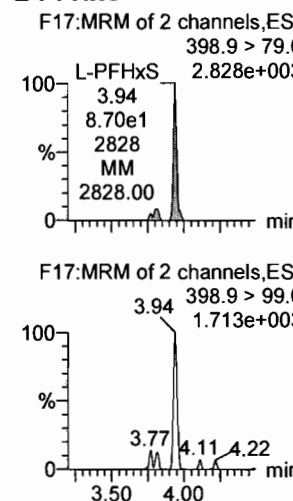
**PFHxA**



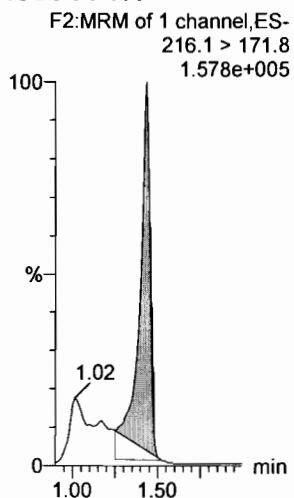
**PFHpA**



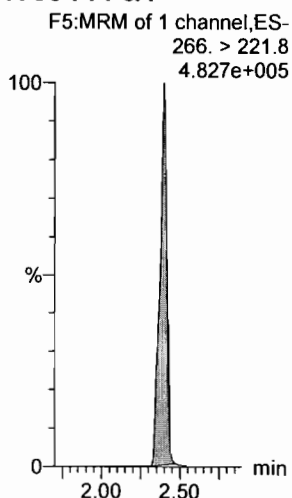
**L-PFHxS**



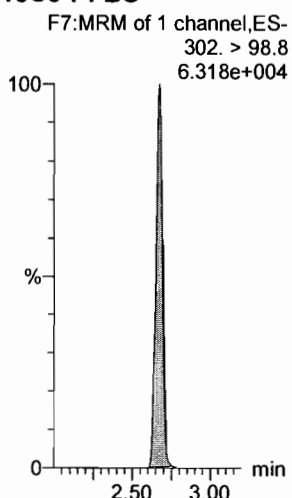
**13C3-PFBA**



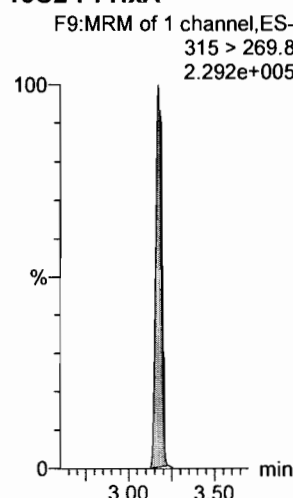
**13C3-PFPeA**



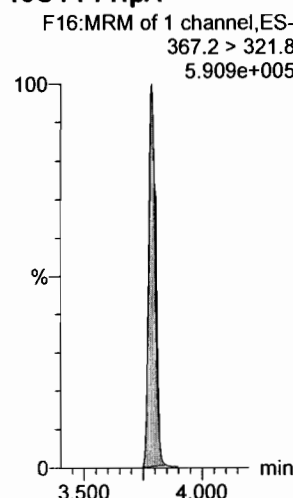
**13C3-PFBS**



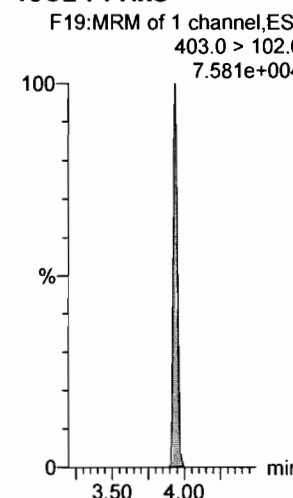
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

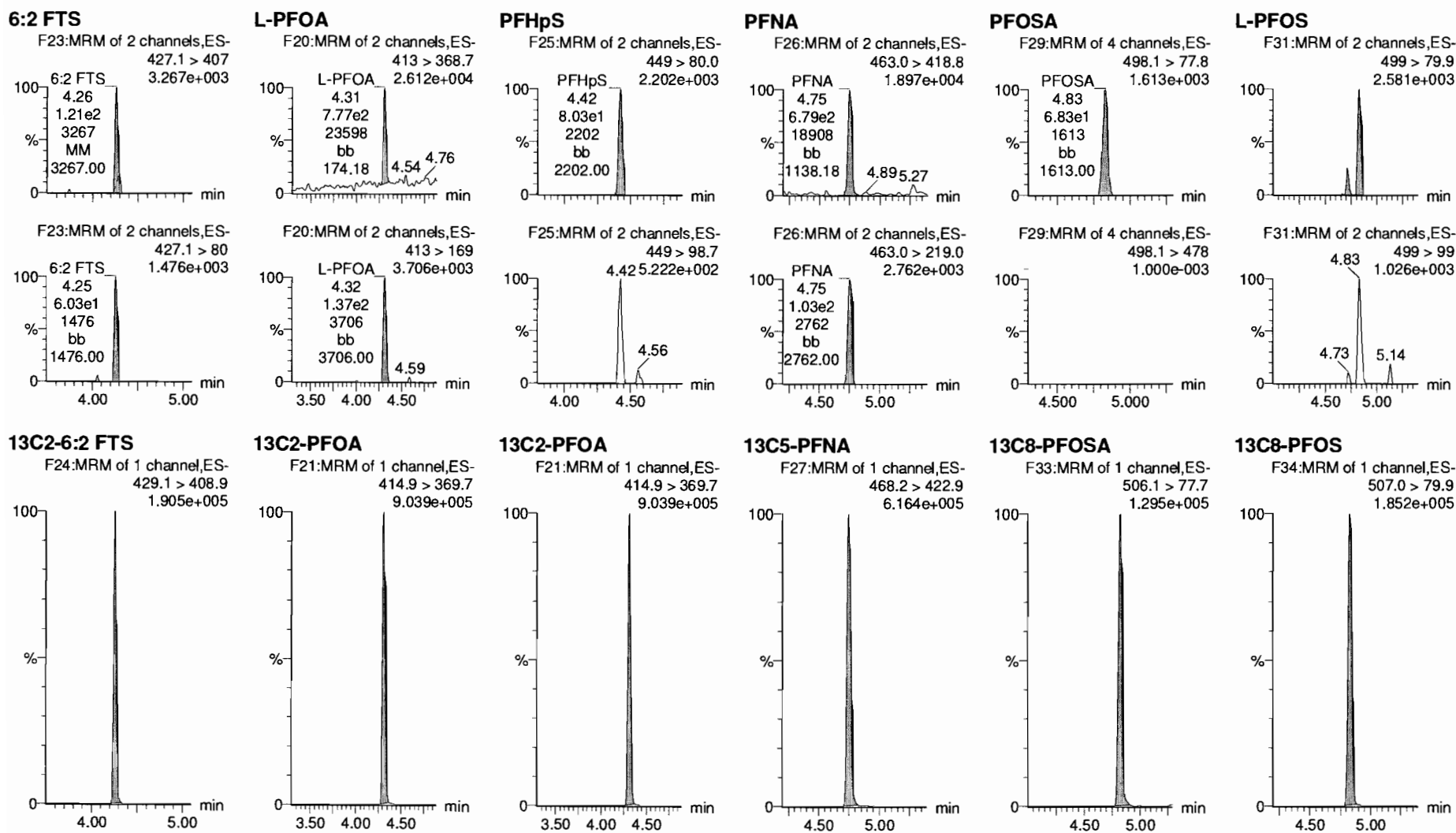




Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time  
Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602



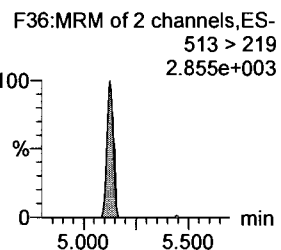
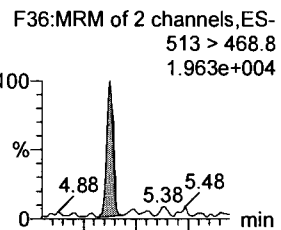
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

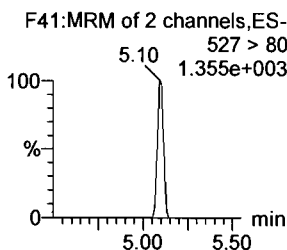
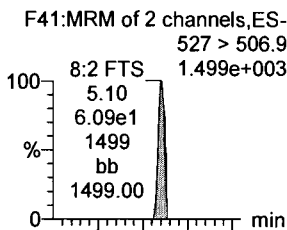
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

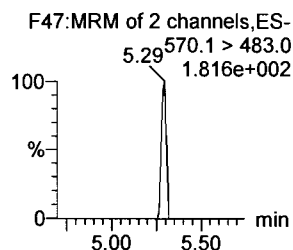
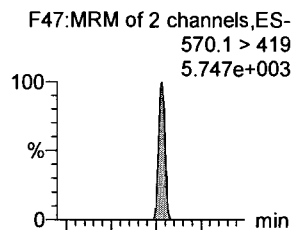
**PFDA**



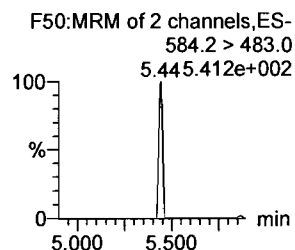
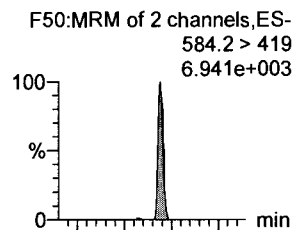
**8:2 FTS**



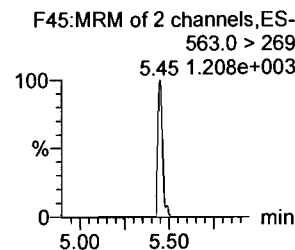
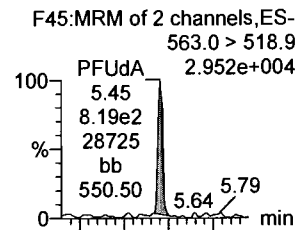
**N-MeFOSAA**



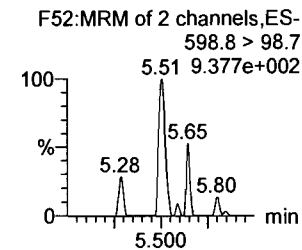
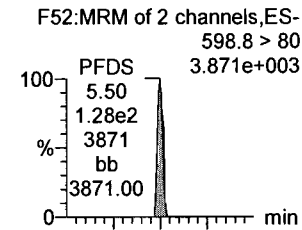
**N-EtFOSAA**



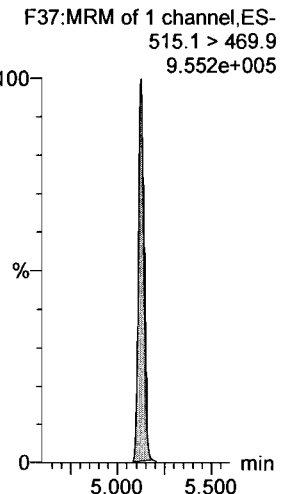
**PFUdA**



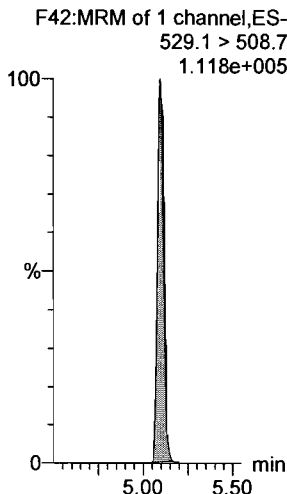
**PFDS**



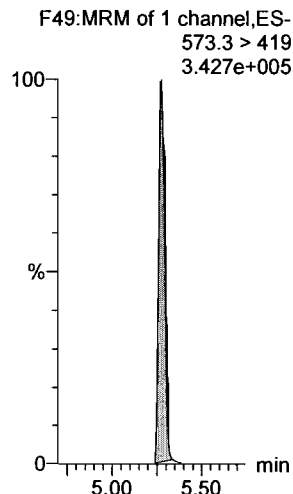
**13C2-PFDA**



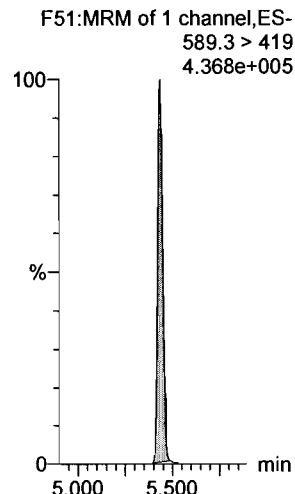
**13C2-8:2 FTS**



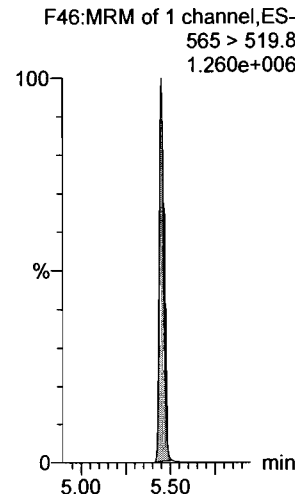
**d3-N-MeFOSAA**



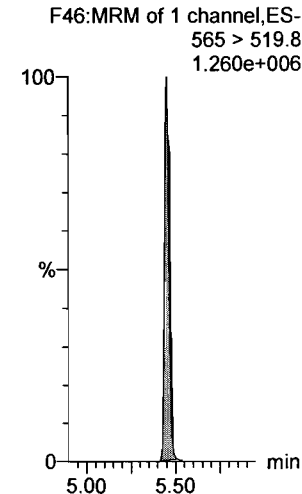
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

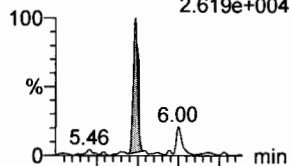
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

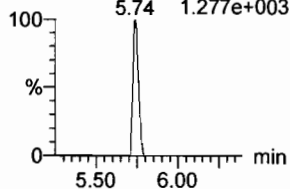
Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

**PFDaA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
2.619e+004

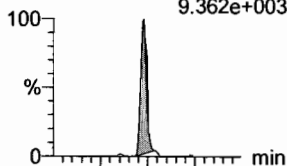


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.277e+003

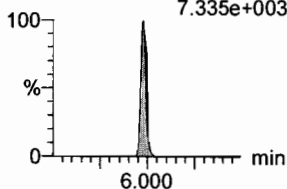


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
9.362e+003

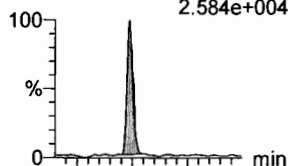


F35:MRM of 2 channels,ES-  
512.1 > 219  
7.335e+003

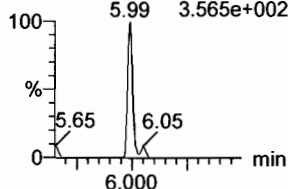


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
2.584e+004

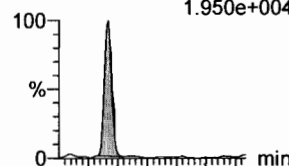


F59:MRM of 2 channels,ES-  
662.9 > 319  
3.565e+002

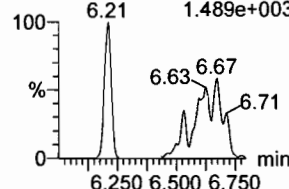


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
1.950e+004

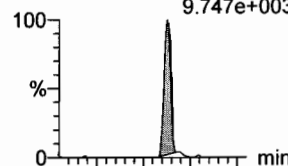


F60:MRM of 2 channels,ES-  
712.9 > 369  
1.489e+003

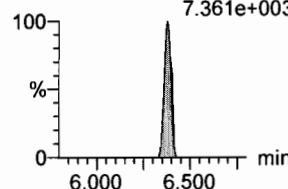


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
9.747e+003

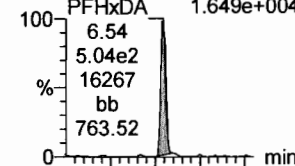


F40:MRM of 2 channels,ES-  
526.1 > 219  
7.361e+003

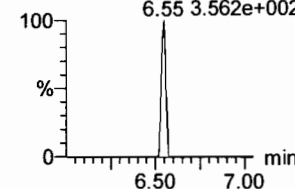


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
1.649e+004

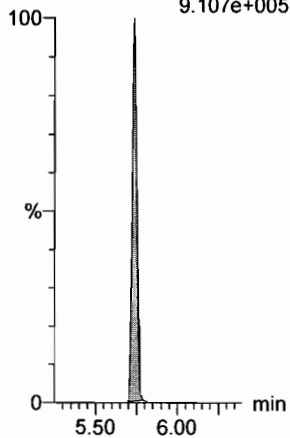


F62:MRM of 2 channels,ES-  
813.1 > 219  
3.562e+002



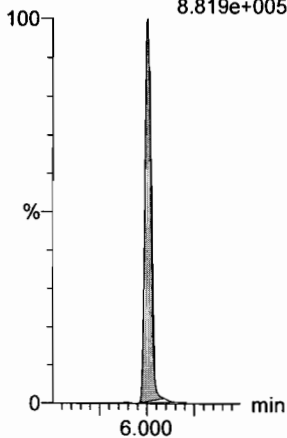
**13C2-PFDaA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.107e+005



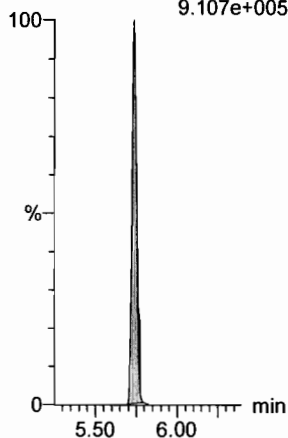
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.819e+005



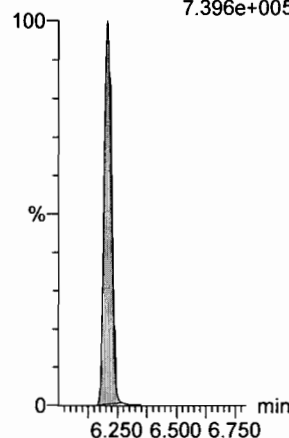
**13C2-PFDaA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.107e+005



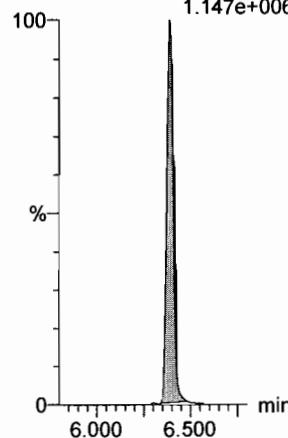
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
7.396e+005



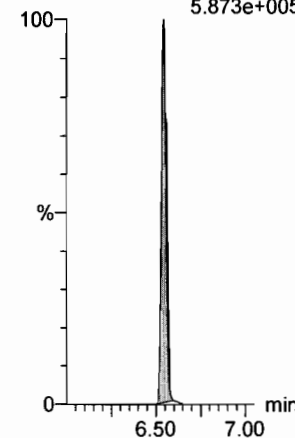
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.147e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
5.873e+005



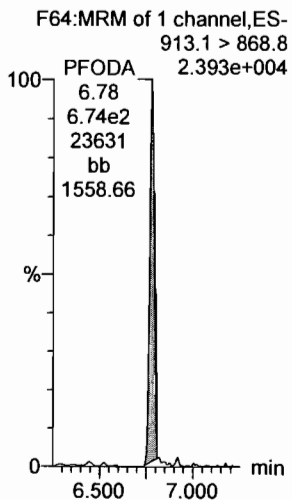
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

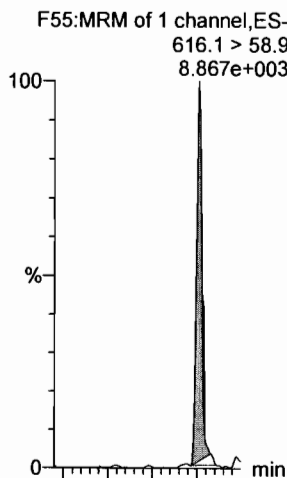
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

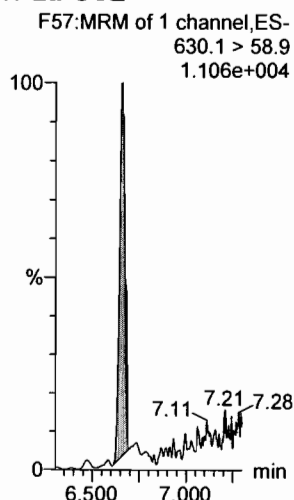
**PFODA**



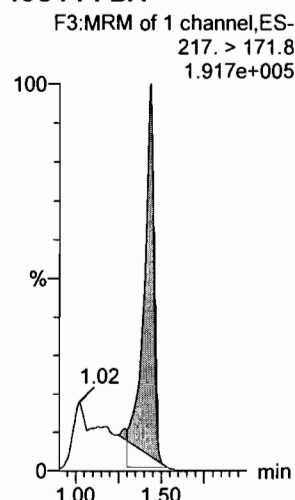
**N-MeFOSE**



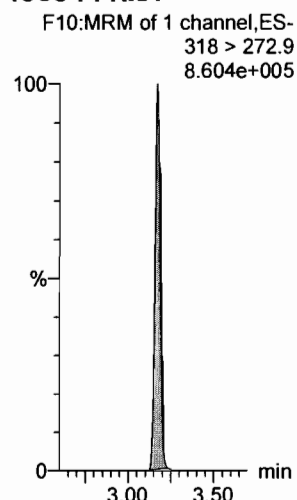
**N-EtFOSE**



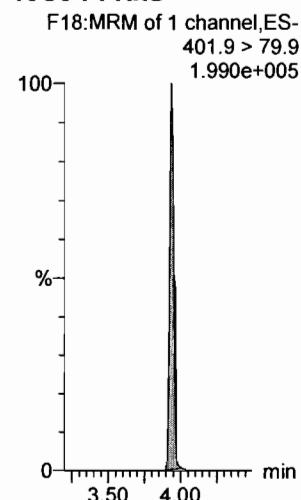
**13C4-PFBA**



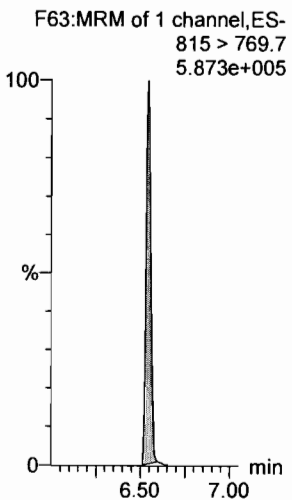
**13C5-PFHxA**



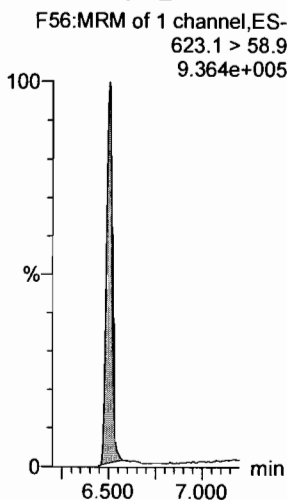
**13C3-PFHxS**



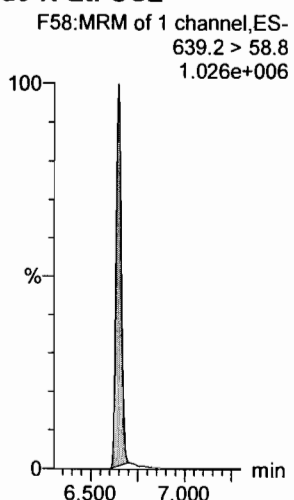
**13C2-PFHxDA**



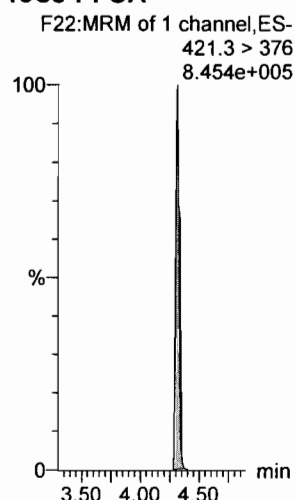
**d7-N-MeFOSE**



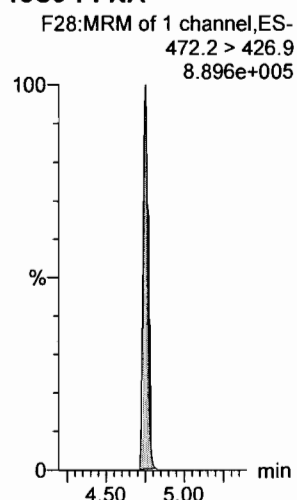
**d9-N-EtFOSE**



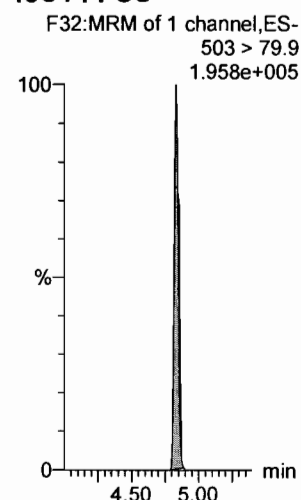
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

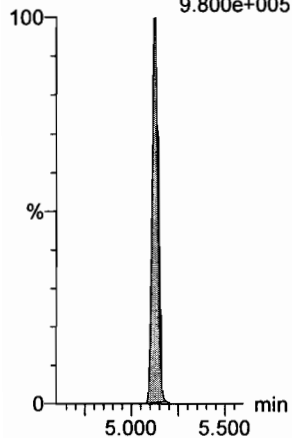
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Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_6, Date: 07-Mar-2018, Time: 16:57:52, ID: ST180307M1-1 PFC CS-2 18C0602, Description: PFC CS-2 18C0602

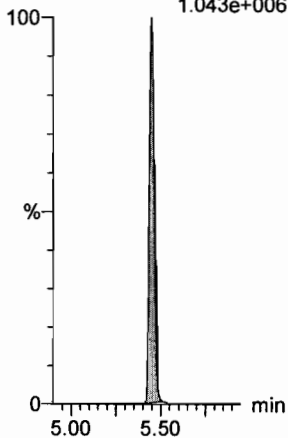
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.800e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.043e+006

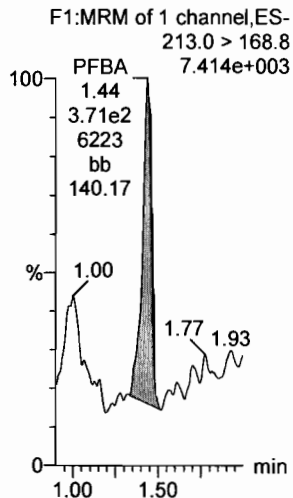


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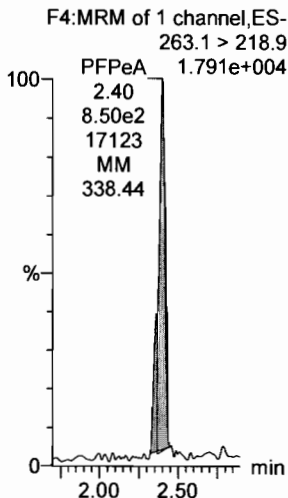
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Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_7, Date: 07-Mar-2018, Time: 17:09:19, ID: ST180307M1-2 PFC CS-1 18C0603, Description: PFC CS-1 18C0603

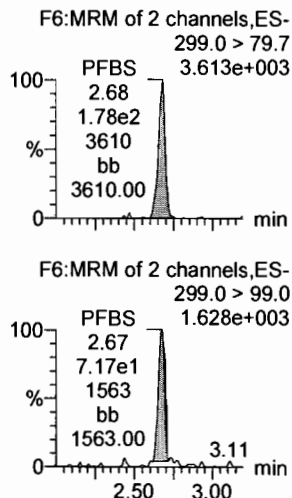
**PFBA**



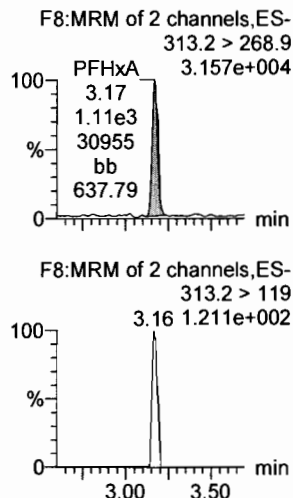
**PFPeA**



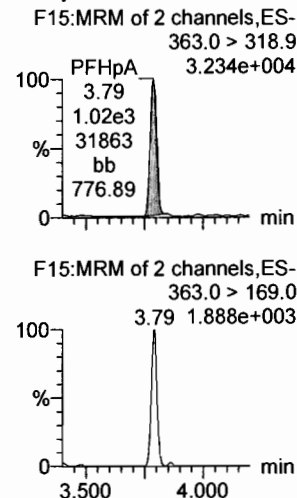
**PFBS**



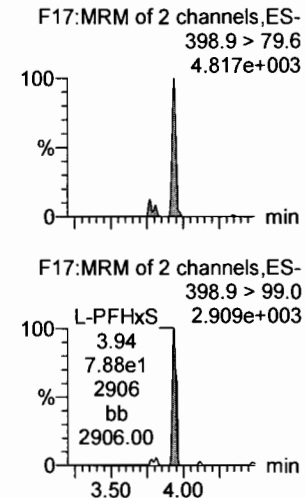
**PFHxA**



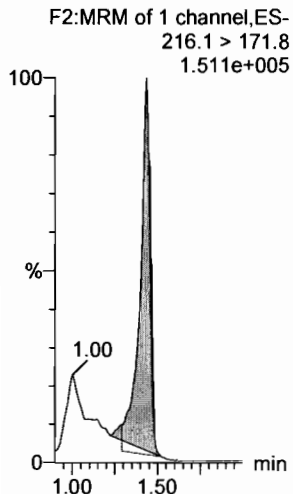
**PFHpA**



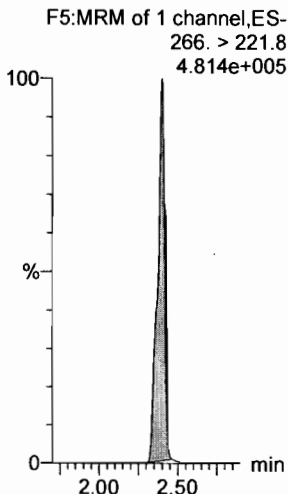
**L-PFHxS**



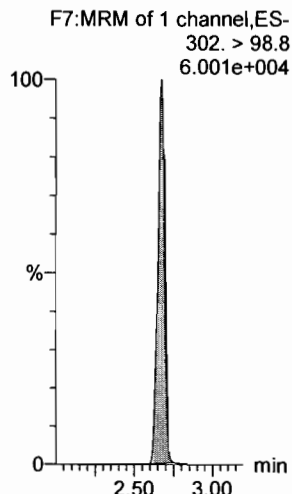
**13C3-PFBA**



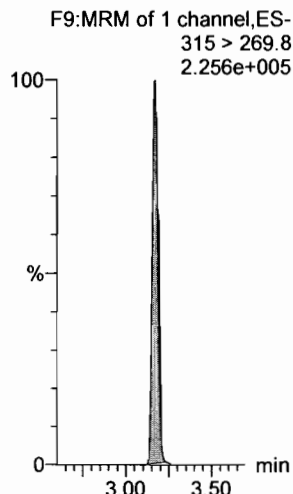
**13C3-PFPeA**



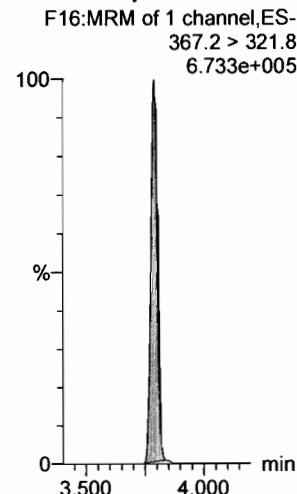
**13C3-PFBS**



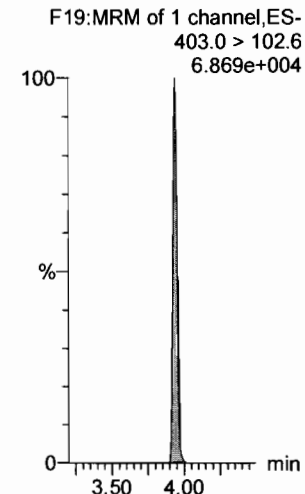
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

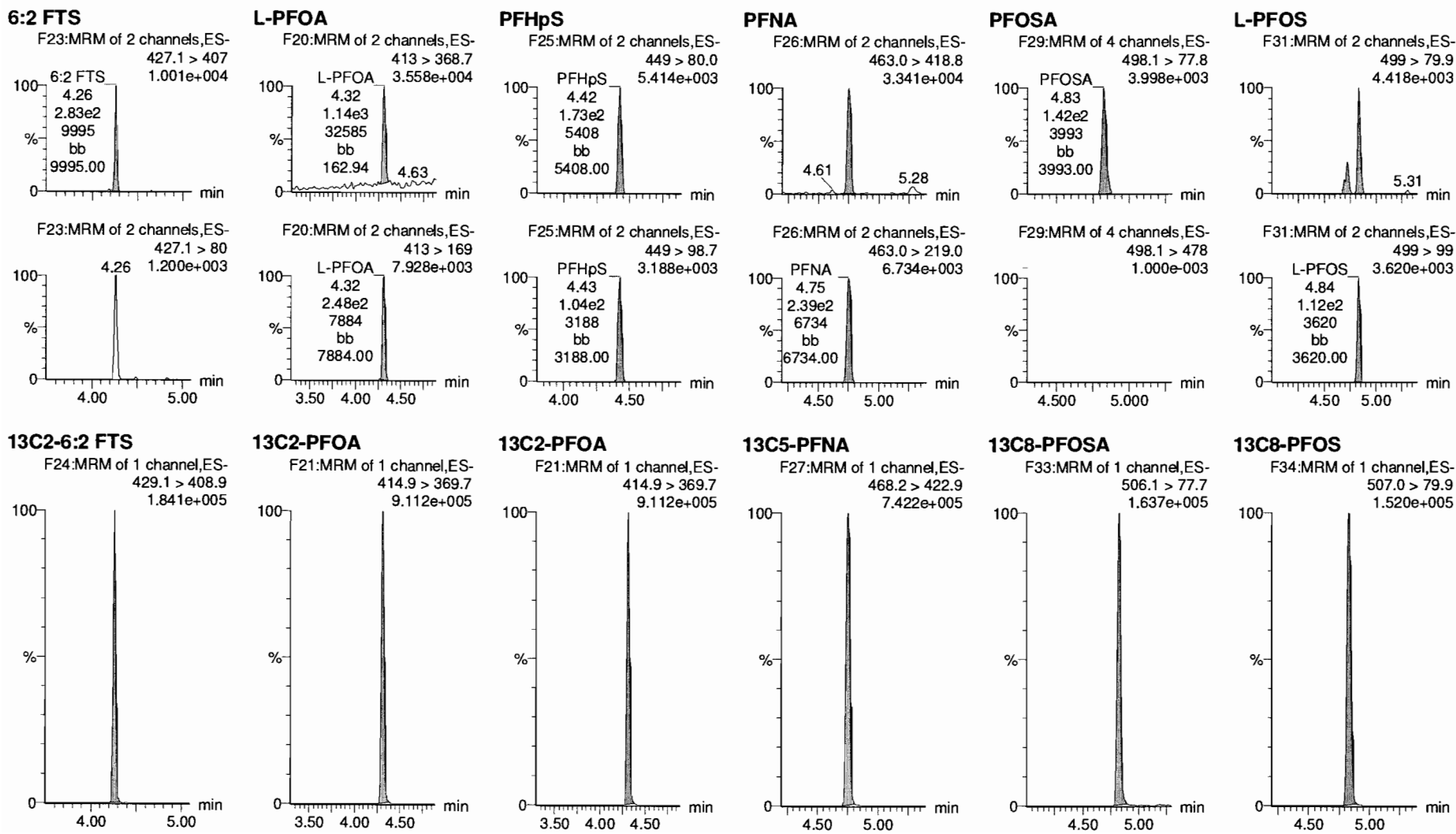


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_7, Date: 07-Mar-2018, Time: 17:09:19, ID: ST180307M1-2 PFC CS-1 18C0603, Description: PFC CS-1 18C0603



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

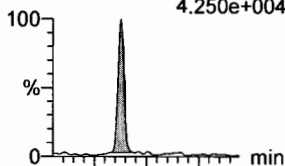
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

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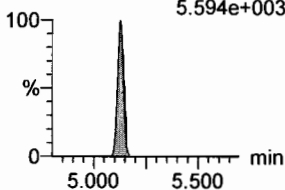
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**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
4.250e+004

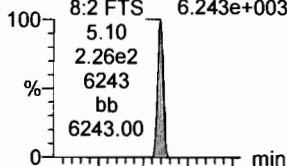


F36:MRM of 2 channels,ES-  
513 > 219  
5.594e+003

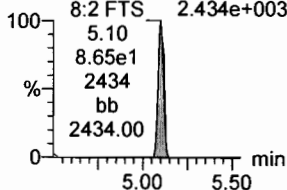


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
6.243e+003

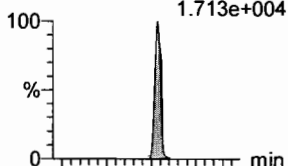


F41:MRM of 2 channels,ES-  
527 > 80  
2.434e+003

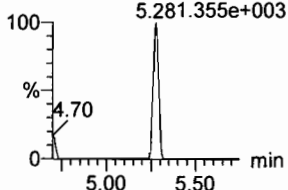


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.713e+004

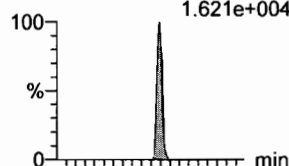


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
5.281.355e+003

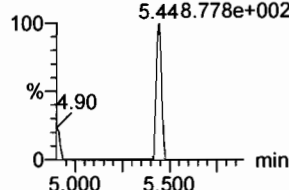


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.621e+004

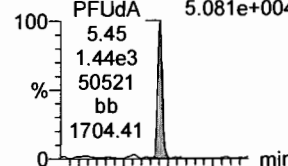


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.448.778e+002

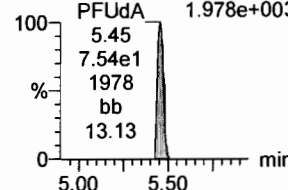


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
5.081e+004

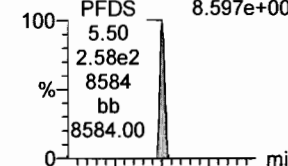


F45:MRM of 2 channels,ES-  
563.0 > 269  
1.978e+003

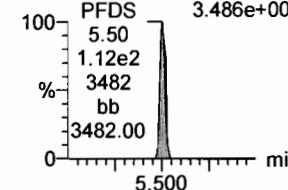


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
8.597e+003

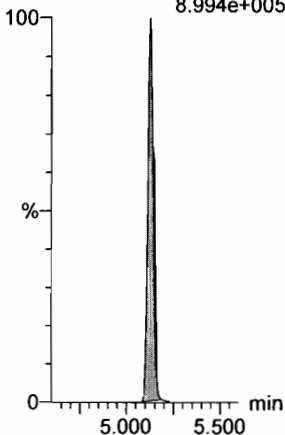


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
3.486e+003



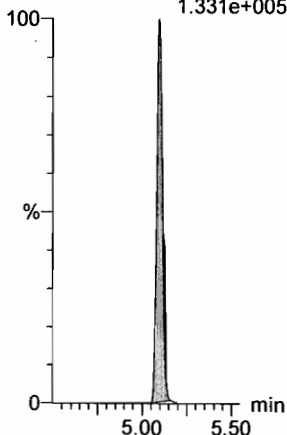
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.994e+005



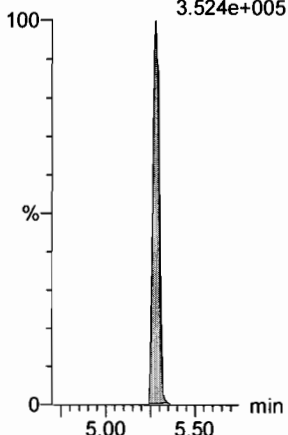
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.331e+005



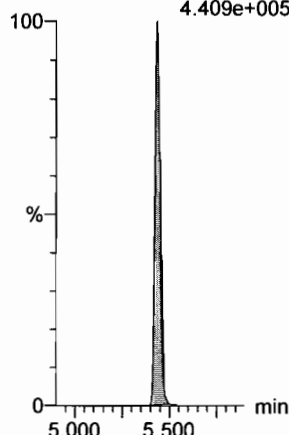
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.524e+005



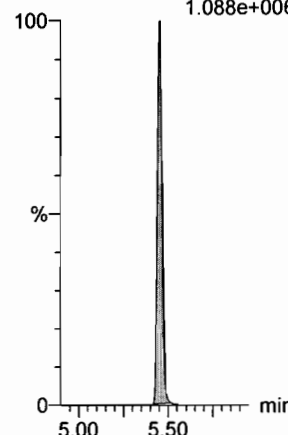
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
4.409e+005



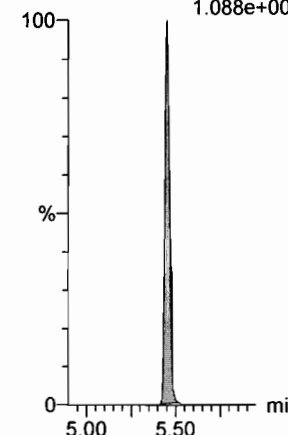
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.088e+006



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.088e+006





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

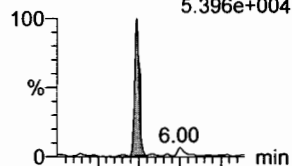
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

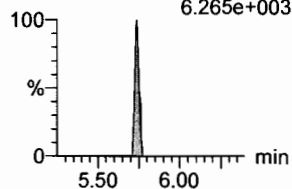
Name: 180307M1\_7, Date: 07-Mar-2018, Time: 17:09:19, ID: ST180307M1-2 PFC CS-1 18C0603, Description: PFC CS-1 18C0603

**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
5.396e+004

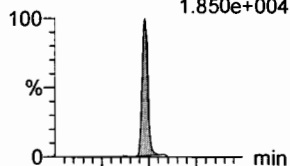


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
6.265e+003

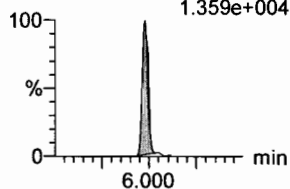


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
1.850e+004

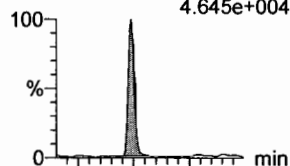


F35:MRM of 2 channels,ES-  
512.1 > 219  
1.359e+004

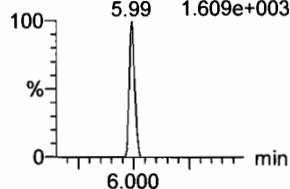


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
4.645e+004

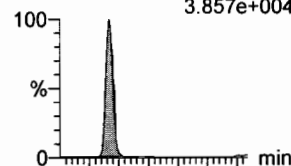


F59:MRM of 2 channels,ES-  
662.9 > 319  
1.609e+003

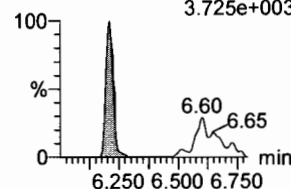


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
3.857e+004

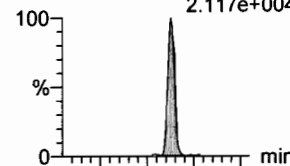


F60:MRM of 2 channels,ES-  
712.9 > 369  
3.725e+003

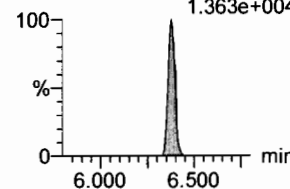


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
2.117e+004

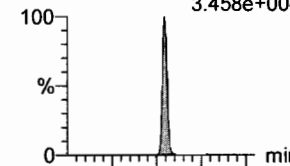


F40:MRM of 2 channels,ES-  
526.1 > 219  
1.363e+004

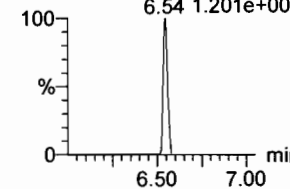


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
3.458e+004

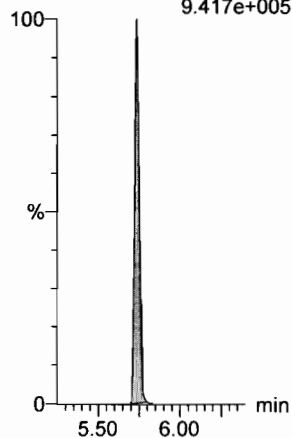


F62:MRM of 2 channels,ES-  
813.1 > 219  
1.201e+003



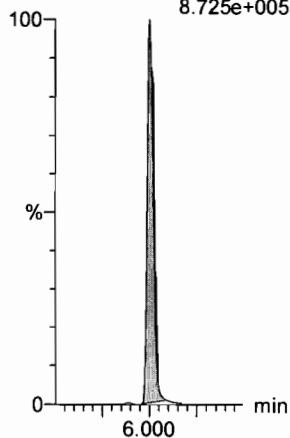
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.417e+005



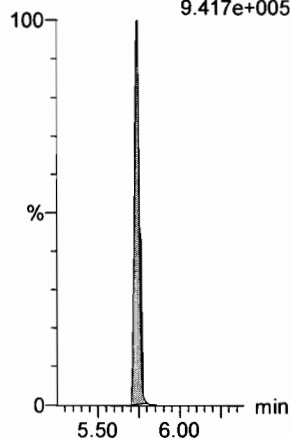
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.725e+005



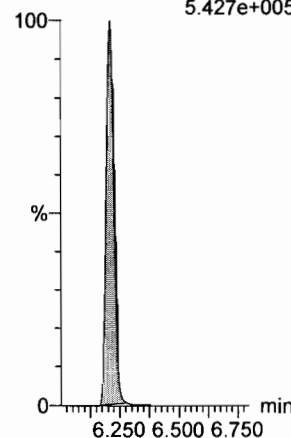
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.417e+005



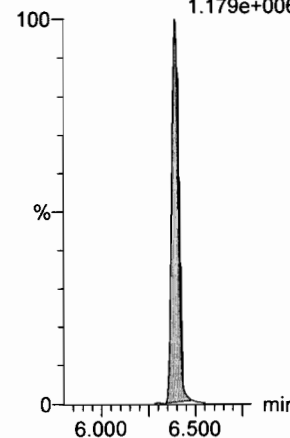
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
5.427e+005



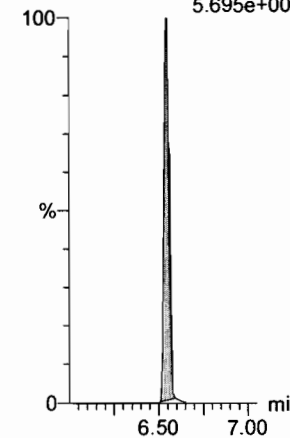
**d5-N-ETFOA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.179e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
5.695e+005



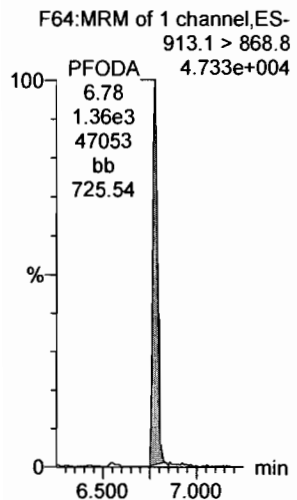
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

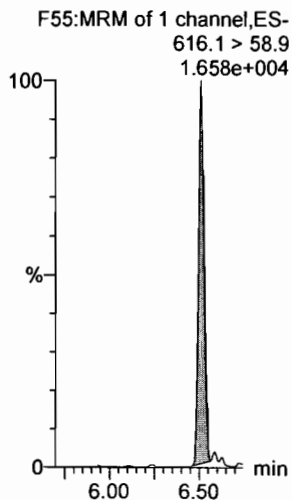
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_7, Date: 07-Mar-2018, Time: 17:09:19, ID: ST180307M1-2 PFC CS-1 18C0603, Description: PFC CS-1 18C0603

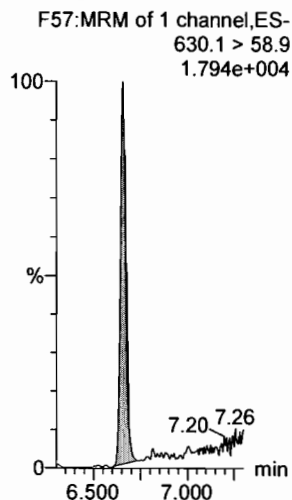
**PFODA**



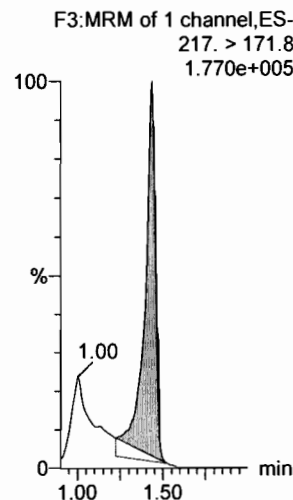
**N-MeFOSE**



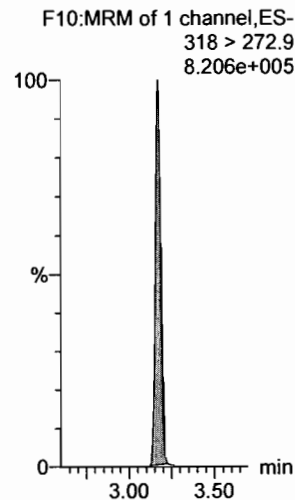
**N-EtFOSE**



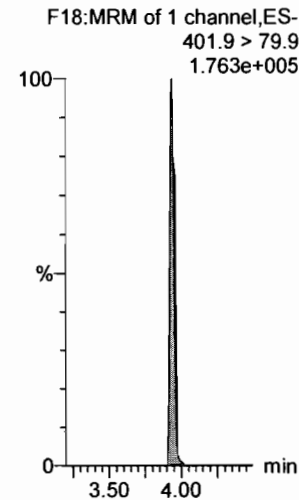
**13C4-PFBA**



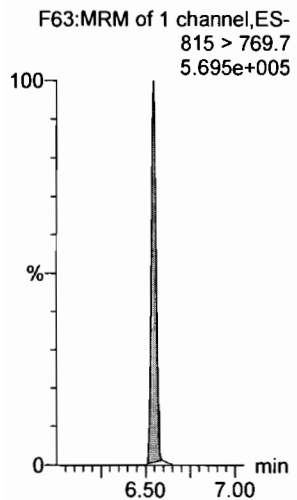
**13C5-PFHxA**



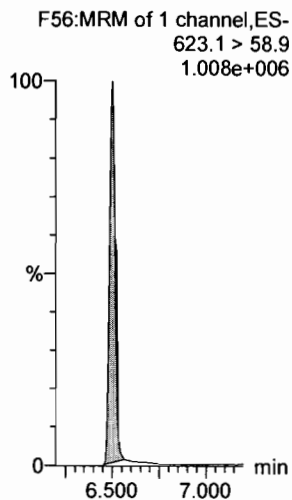
**13C3-PFHxS**



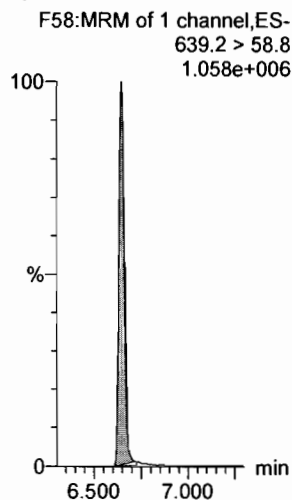
**13C2-PFHxDA**



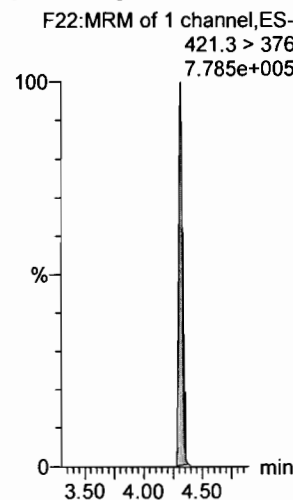
**d7-N-MeFOSE**



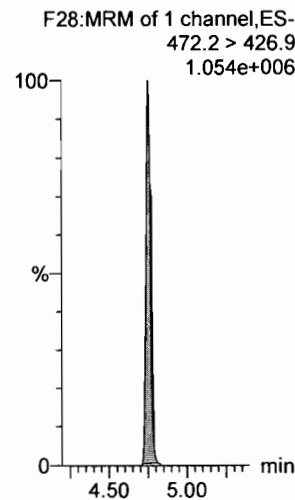
**d9-N-EtFOSE**



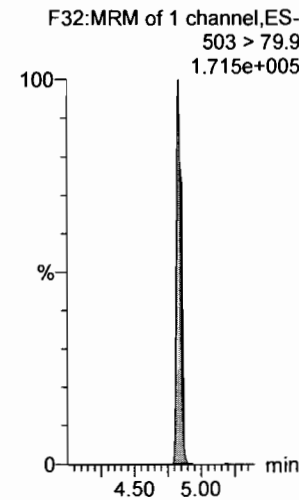
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

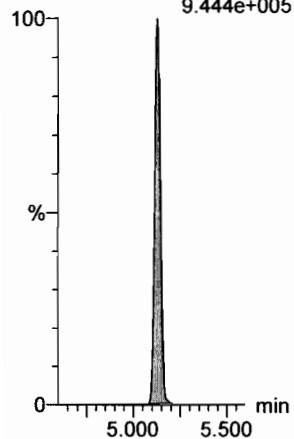
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_7, Date: 07-Mar-2018, Time: 17:09:19, ID: ST180307M1-2 PFC CS-1 18C0603, Description: PFC CS-1 18C0603

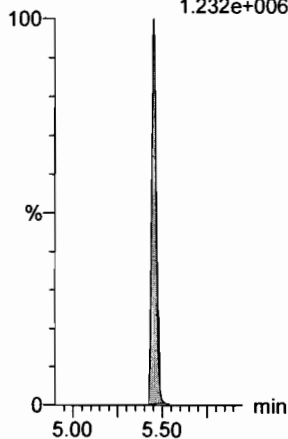
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.444e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.232e+006



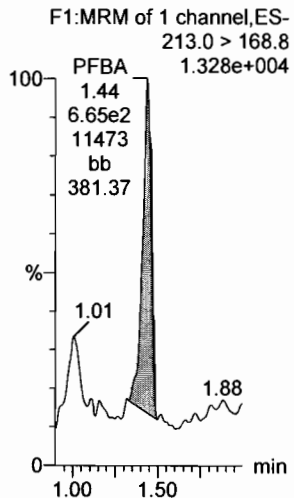
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

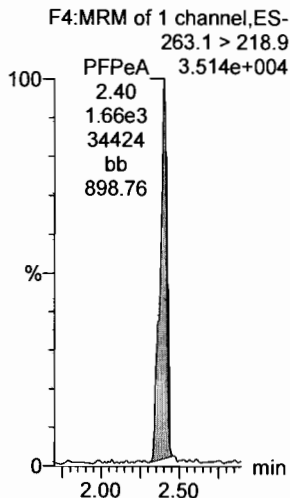
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Name: 180307M1\_8, Date: 07-Mar-2018, Time: 17:20:45, ID: ST180307M1-3 PFC CS0 18C0604, Description: PFC CS0 18C0604

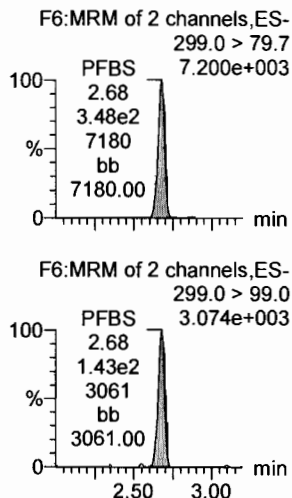
**PFBA**



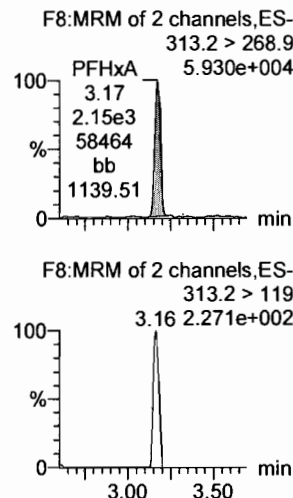
**PFPeA**



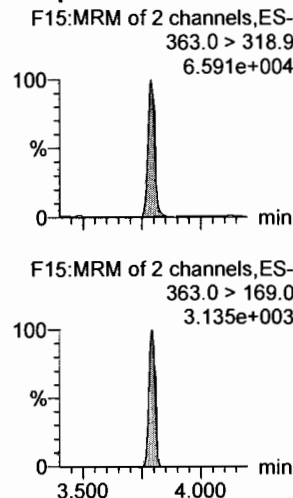
**PFBS**



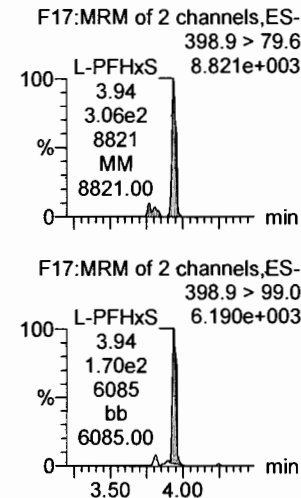
**PFHxA**



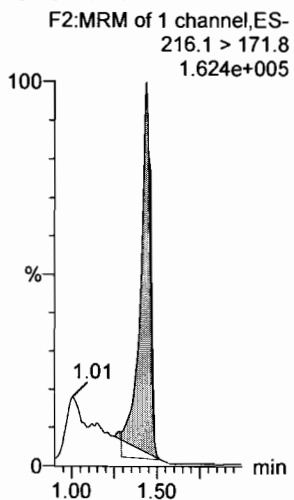
**PFHpA**



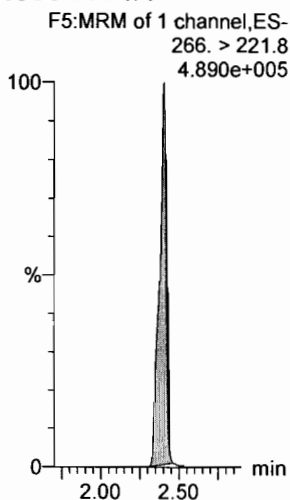
**L-PFHxS**



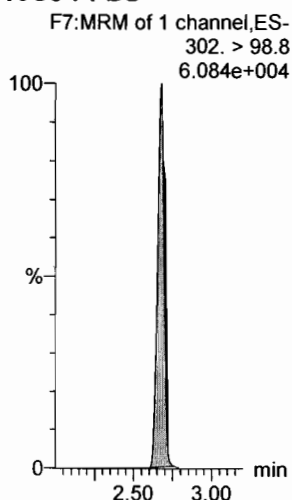
**13C3-PFBA**



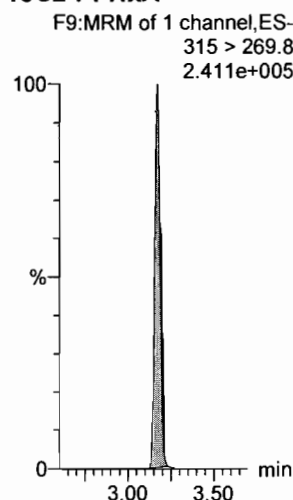
**13C3-PFPeA**



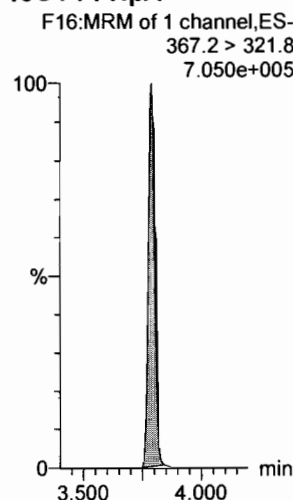
**13C3-PFBS**



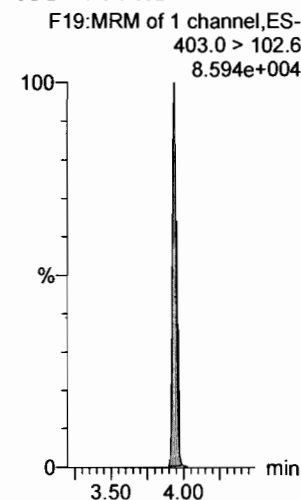
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

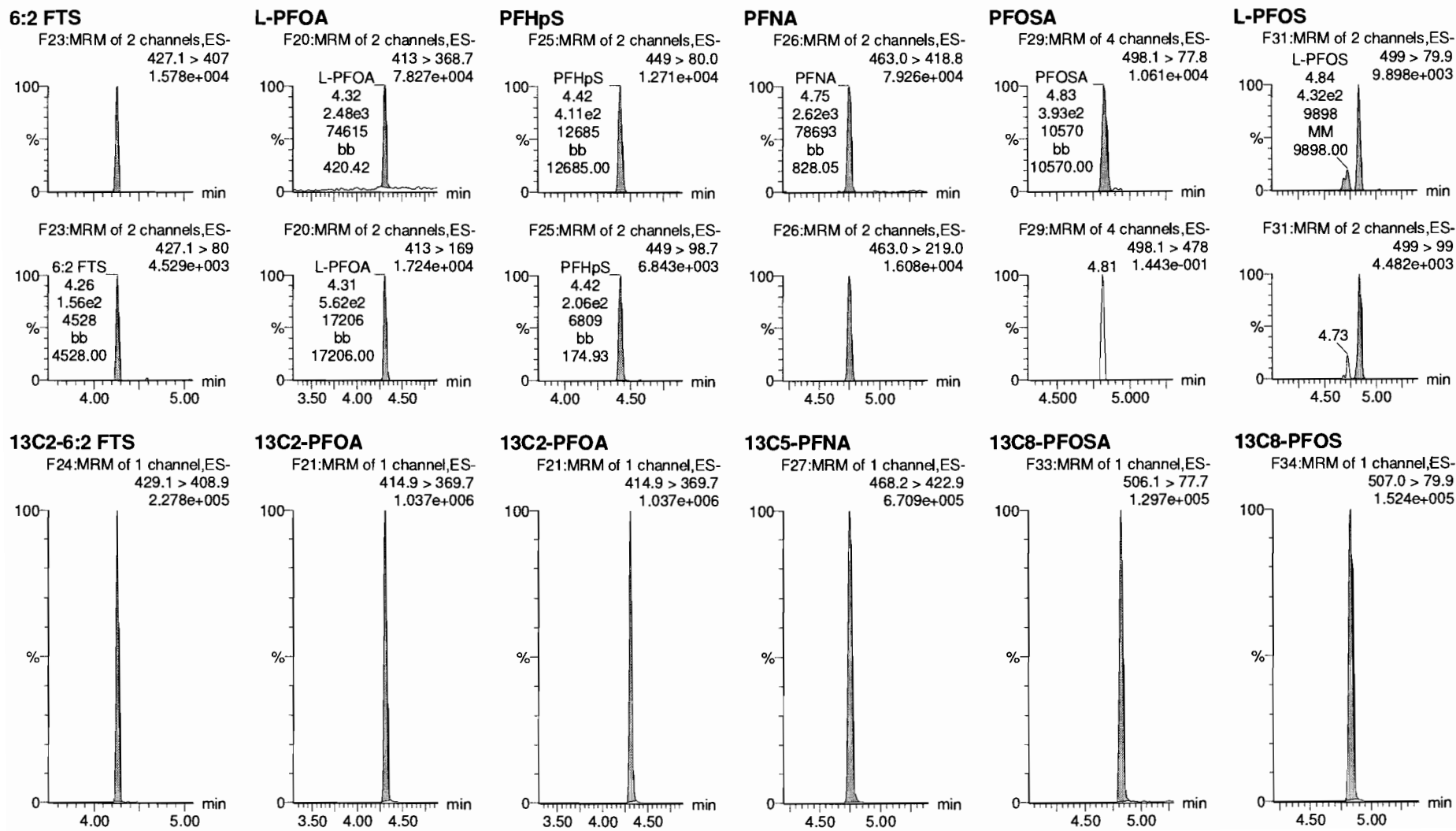


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_8, Date: 07-Mar-2018, Time: 17:20:45, ID: ST180307M1-3 PFC CS0 18C0604, Description: PFC CS0 18C0604



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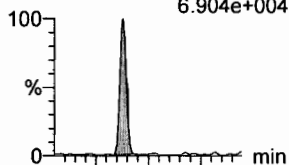
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Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

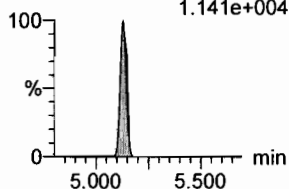
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**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
6.904e+004

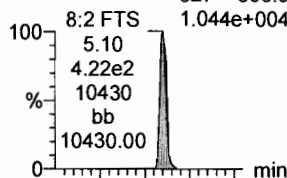


F36:MRM of 2 channels,ES-  
513 > 219  
1.141e+004

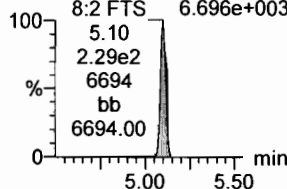


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.044e+004

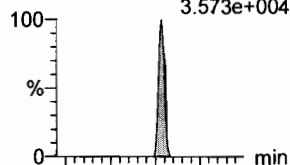


F41:MRM of 2 channels,ES-  
527 > 80  
6.696e+003

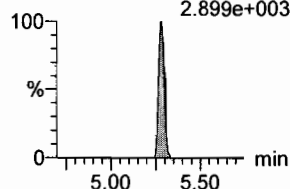


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
3.573e+004

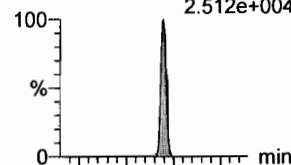


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
2.899e+003

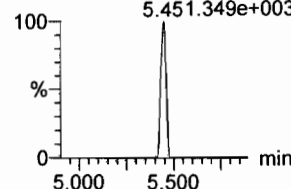


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
2.512e+004

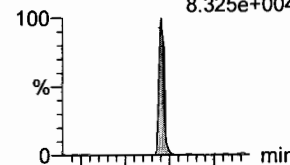


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.451.349e+003

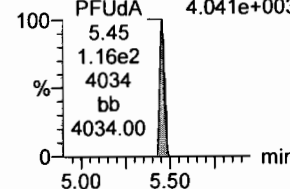


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
8.325e+004

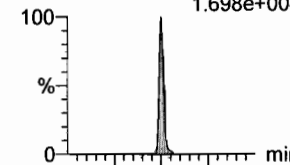


F45:MRM of 2 channels,ES-  
563.0 > 269  
4.041e+003

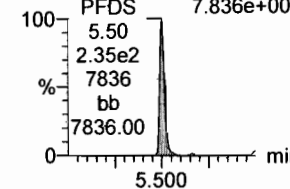


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
1.698e+004

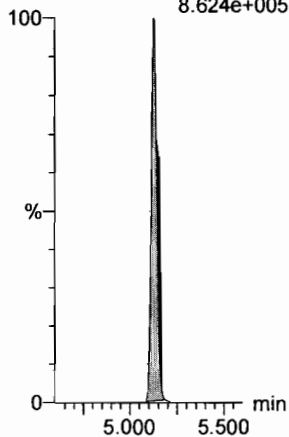


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
7.836e+003



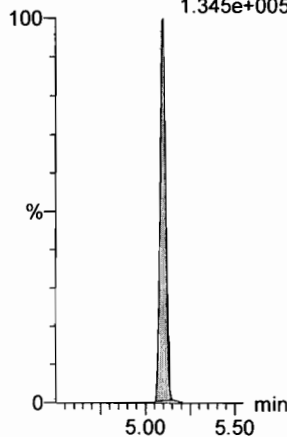
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.624e+005



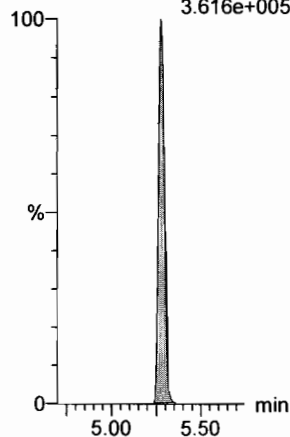
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.345e+005



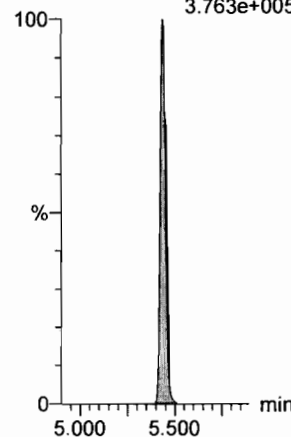
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.616e+005



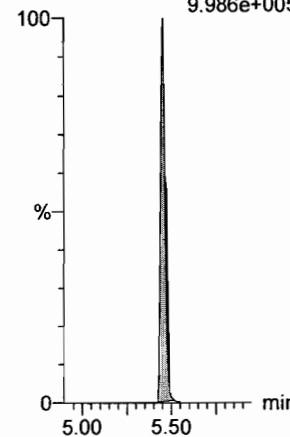
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.763e+005



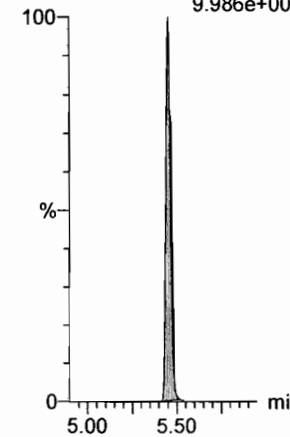
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.986e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.986e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

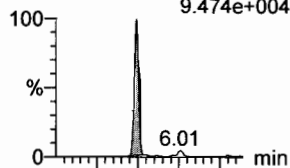
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

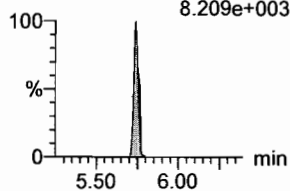
Name: 180307M1\_8, Date: 07-Mar-2018, Time: 17:20:45, ID: ST180307M1-3 PFC CS0 18C0604, Description: PFC CS0 18C0604

**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
9.474e+004

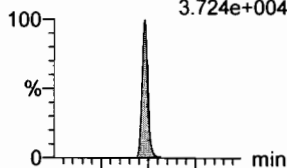


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
8.209e+003

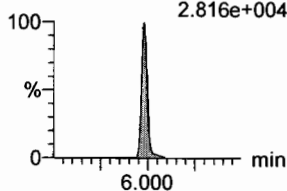


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
3.724e+004

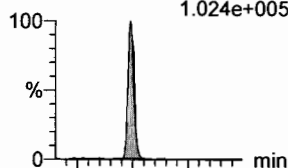


F35:MRM of 2 channels,ES-  
512.1 > 219  
2.816e+004

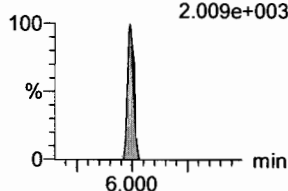


**PFTeDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.024e+005

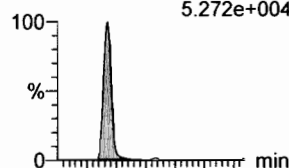


F59:MRM of 2 channels,ES-  
662.9 > 319  
2.009e+003

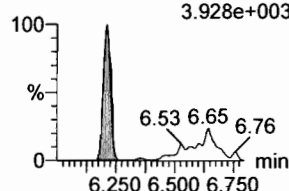


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
5.272e+004

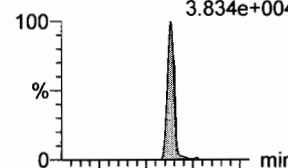


F60:MRM of 2 channels,ES-  
712.9 > 369  
3.928e+003

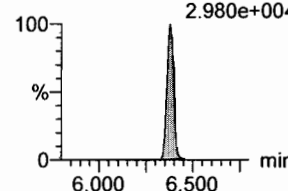


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
3.834e+004

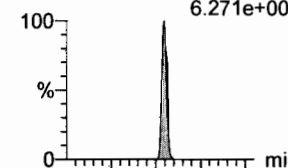


F40:MRM of 2 channels,ES-  
526.1 > 219  
2.980e+004

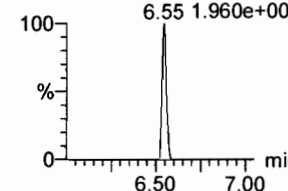


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
6.271e+004

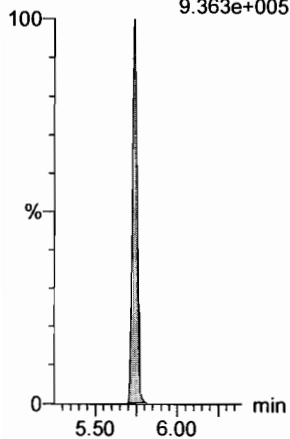


F62:MRM of 2 channels,ES-  
813.1 > 219  
1.960e+003



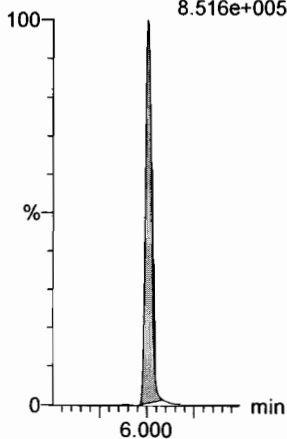
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.363e+005



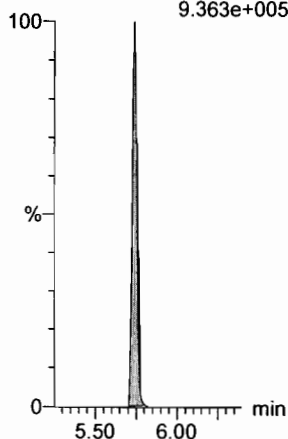
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.516e+005



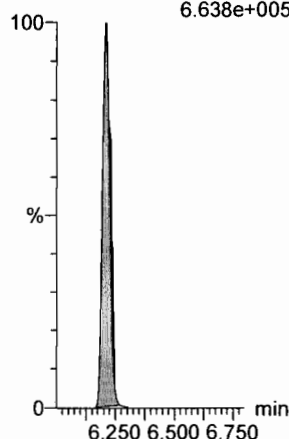
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.363e+005



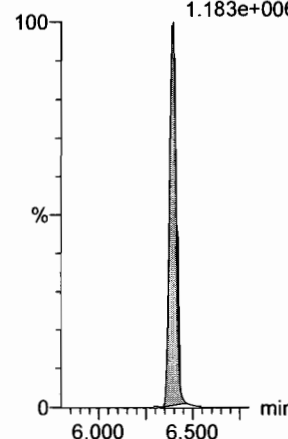
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
6.638e+005



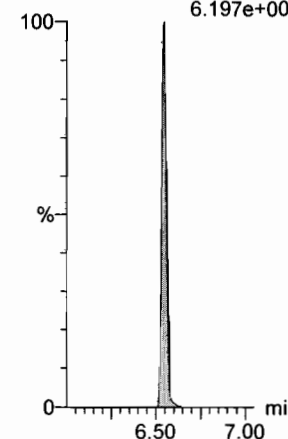
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.183e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.197e+005



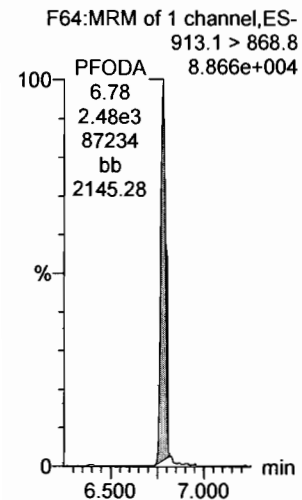
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

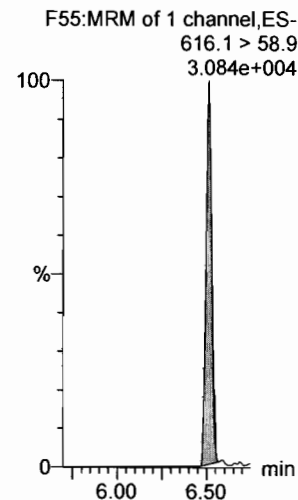
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_8, Date: 07-Mar-2018, Time: 17:20:45, ID: ST180307M1-3 PFC CS0 18C0604, Description: PFC CS0 18C0604

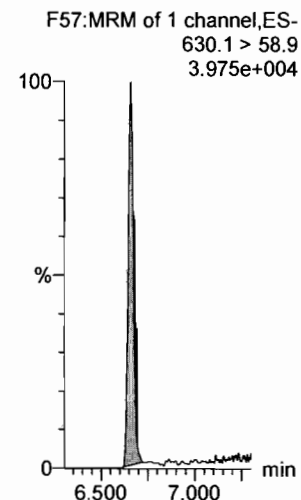
**PFODA**



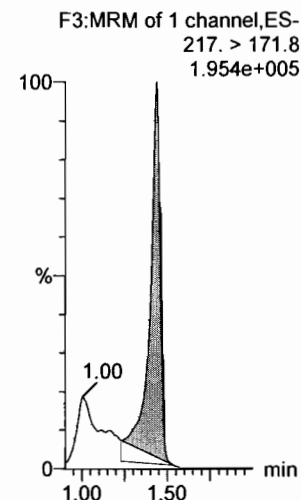
**N-MeFOSE**



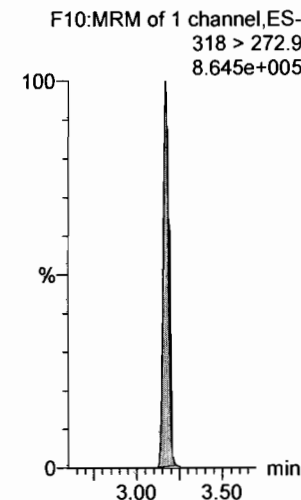
**N-EtFOSE**



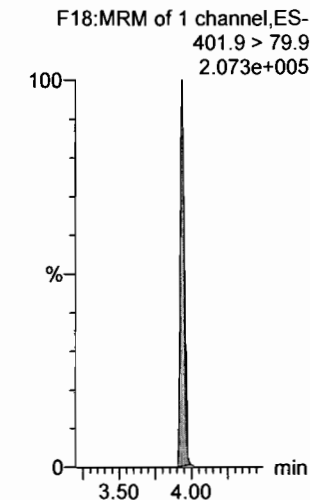
**13C4-PFBA**



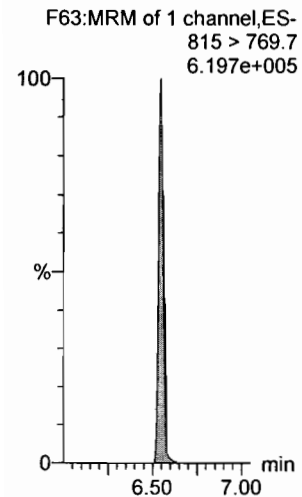
**13C5-PFHxA**



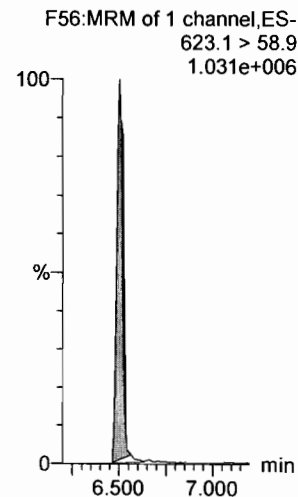
**13C3-PFHxS**



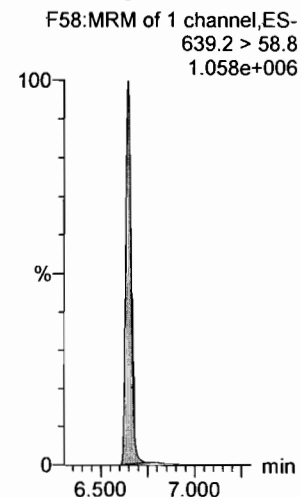
**13C2-PFHxDA**



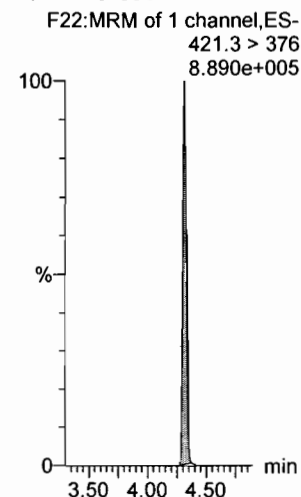
**d7-N-MeFOSE**



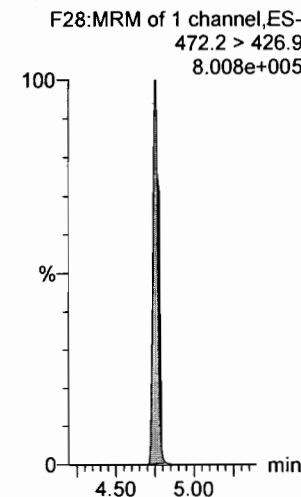
**d9-N-EtFOSE**



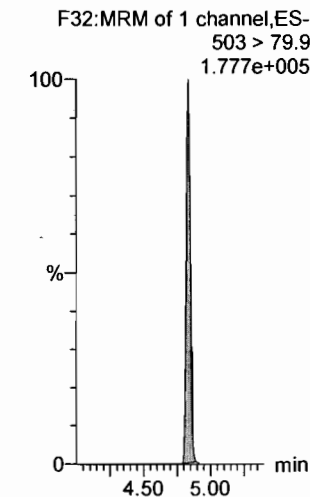
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

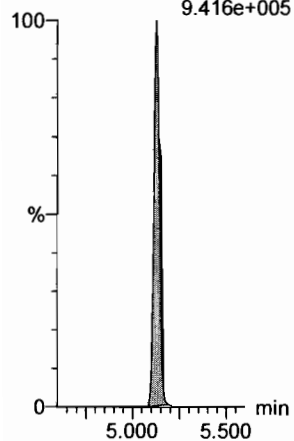
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_8, Date: 07-Mar-2018, Time: 17:20:45, ID: ST180307M1-3 PFC CS0 18C0604, Description: PFC CS0 18C0604

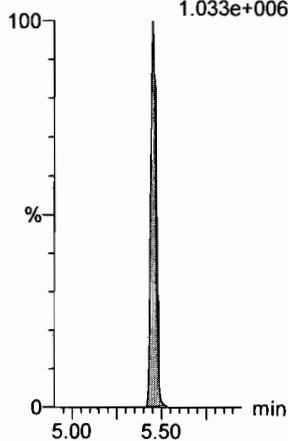
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.416e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.033e+006



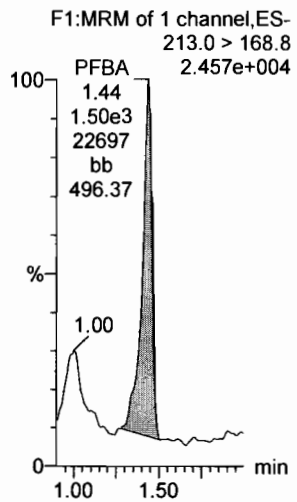
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

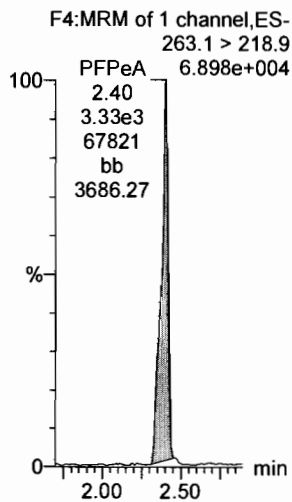
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

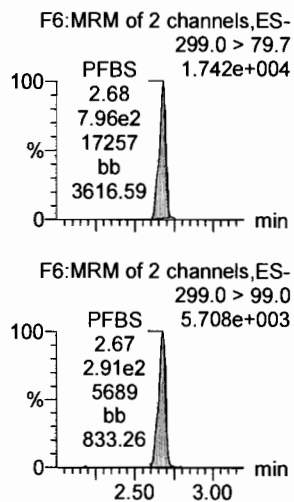
**PFBA**



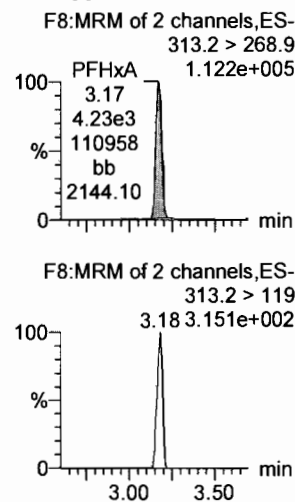
**PFPeA**



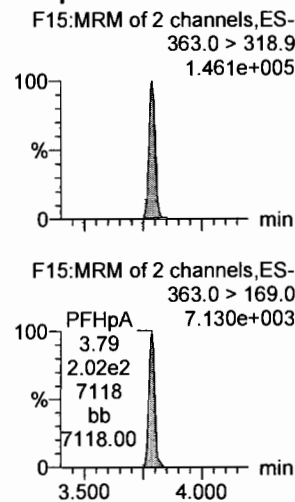
**PFBS**



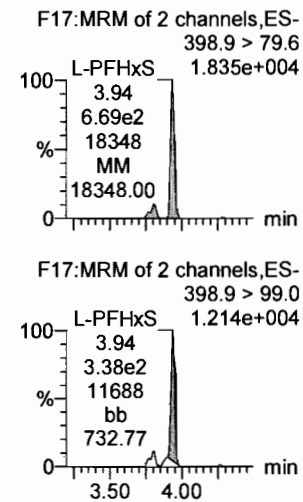
**PFHxA**



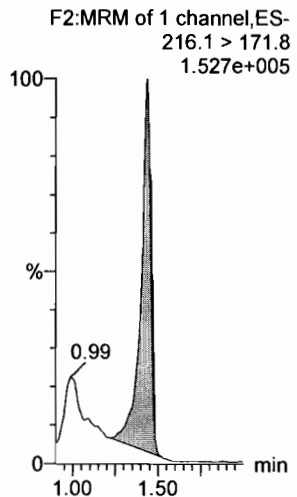
**PFHpA**



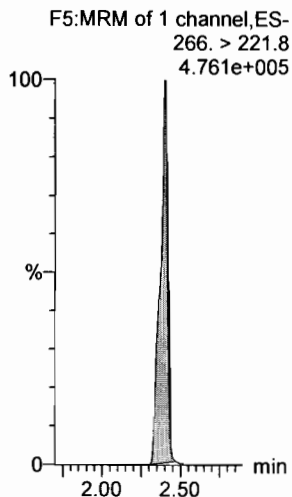
**L-PFHxS**



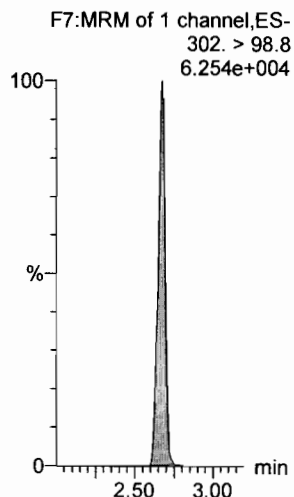
**13C3-PFBA**



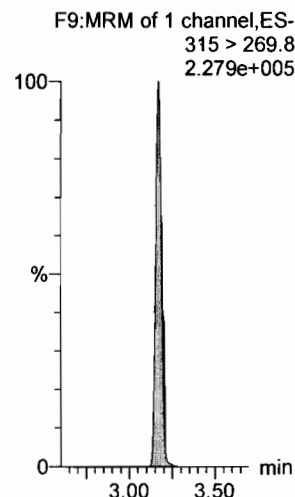
**13C3-PFPeA**



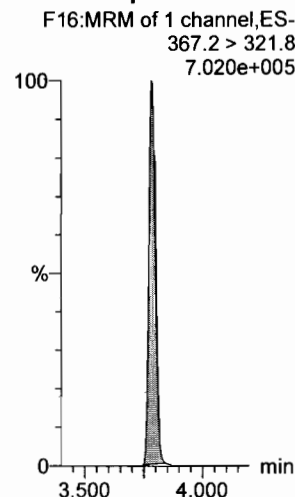
**13C3-PFBS**



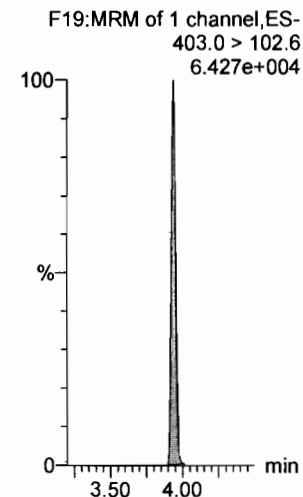
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



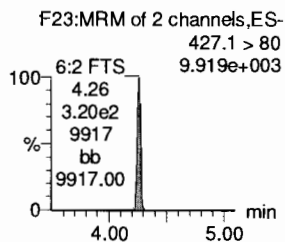
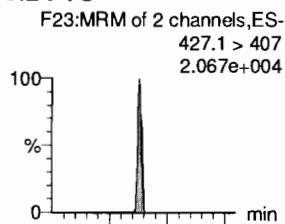
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Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

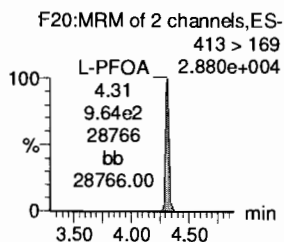
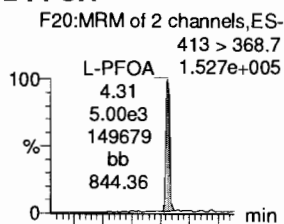
Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

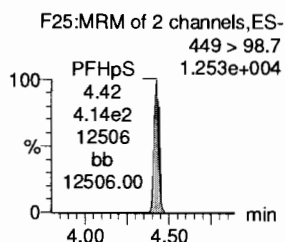
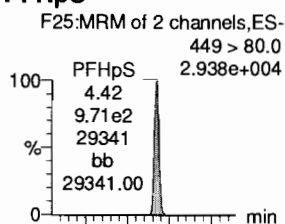
**6:2 FTS**



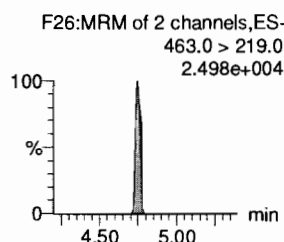
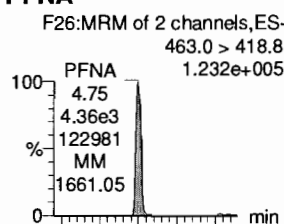
**L-PFOA**



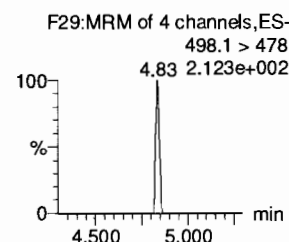
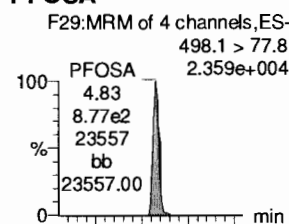
**PFHpS**



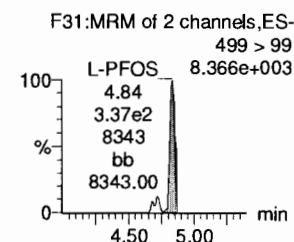
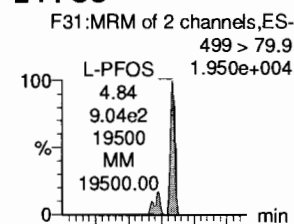
**PFNA**



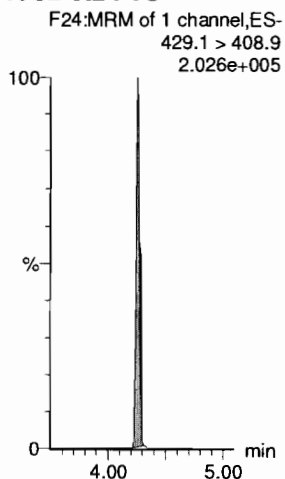
**PFOSA**



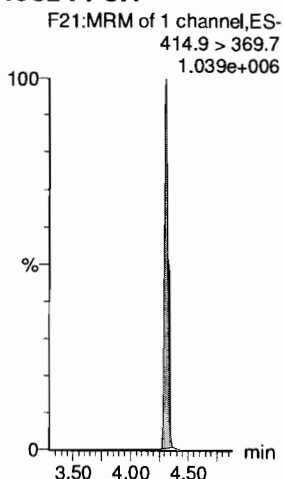
**L-PFOS**



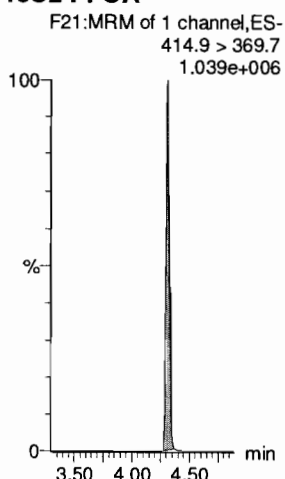
**13C2-6:2 FTS**



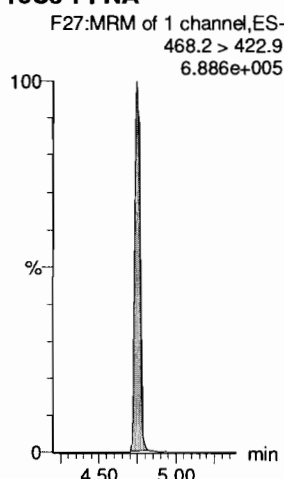
**13C2-PFOA**



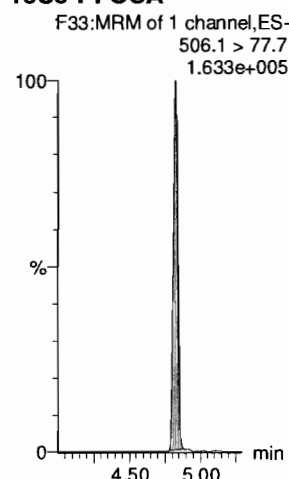
**13C2-PFOA**



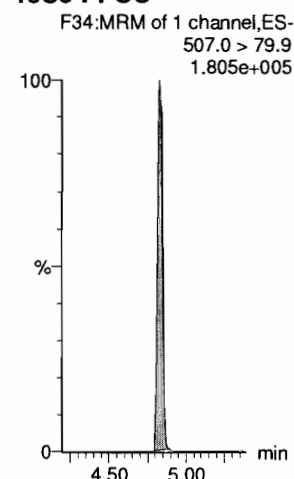
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

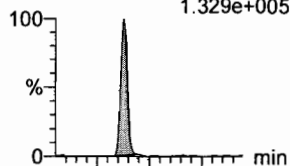
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

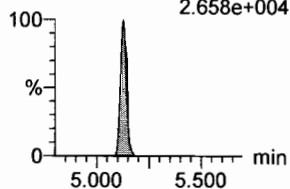
Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
1.329e+005

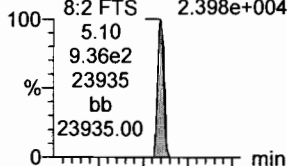


F36:MRM of 2 channels,ES-  
513 > 219  
2.658e+004

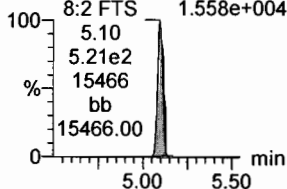


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
2.398e+004

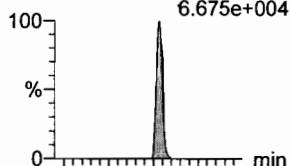


F41:MRM of 2 channels,ES-  
527 > 80  
1.558e+004

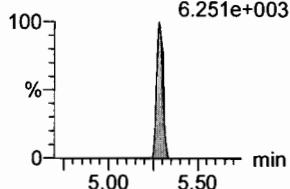


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
6.675e+004

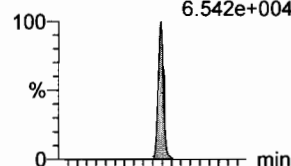


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
6.251e+003

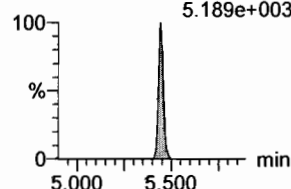


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
6.542e+004

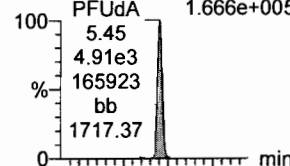


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.189e+003

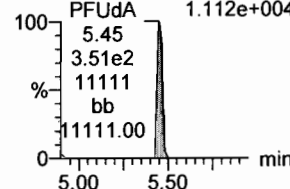


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.666e+005

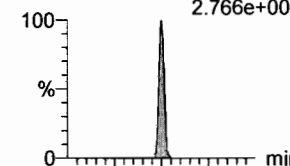


F45:MRM of 2 channels,ES-  
563.0 > 269  
1.112e+004

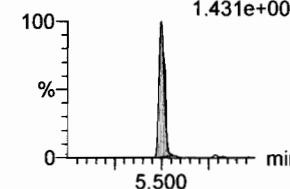


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
2.766e+004

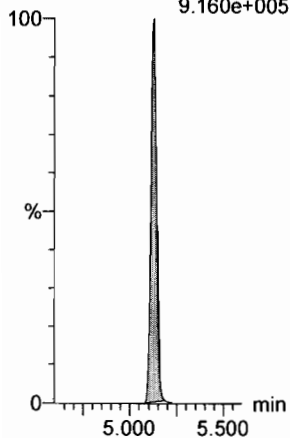


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.431e+004



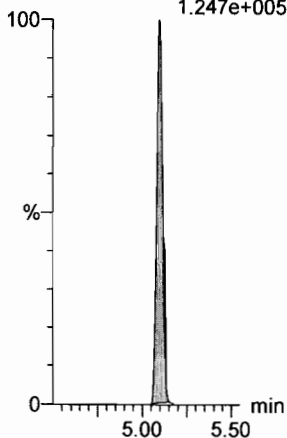
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
9.160e+005



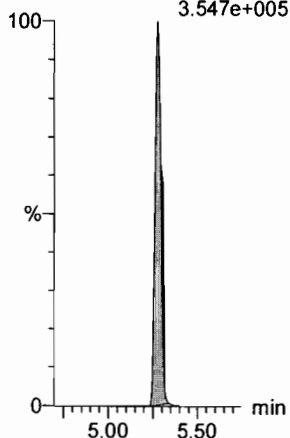
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.247e+005



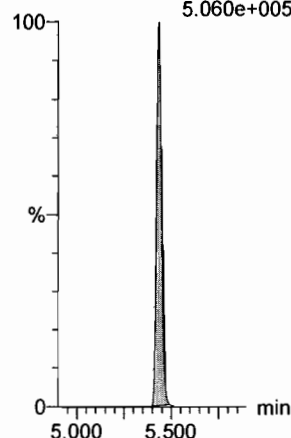
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.547e+005



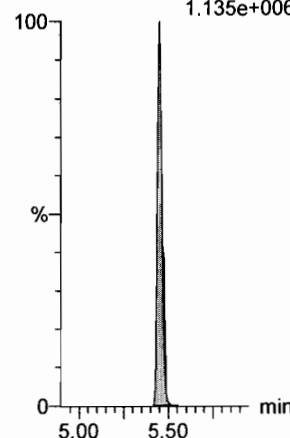
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
5.060e+005



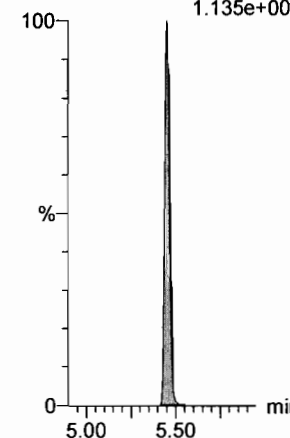
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.135e+006



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.135e+006



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

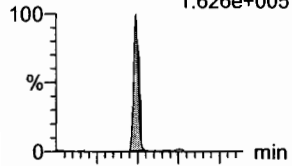
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

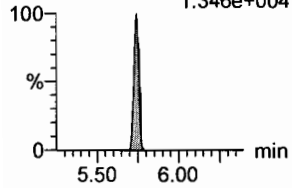
Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
1.626e+005

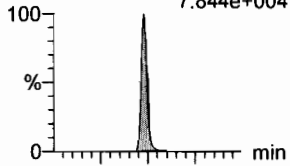


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.346e+004

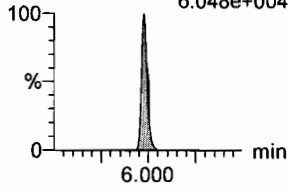


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
7.844e+004

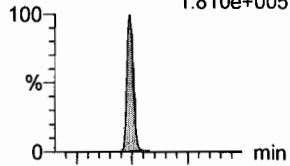


F35:MRM of 2 channels,ES-  
512.1 > 219  
6.048e+004

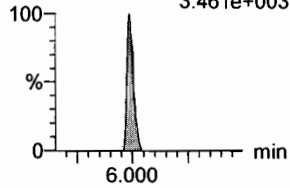


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.810e+005

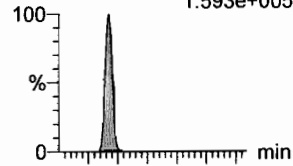


F59:MRM of 2 channels,ES-  
662.9 > 319  
3.461e+003

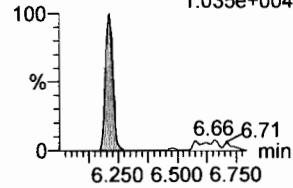


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
1.593e+005

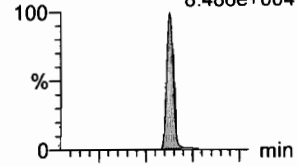


F60:MRM of 2 channels,ES-  
712.9 > 369  
1.035e+004

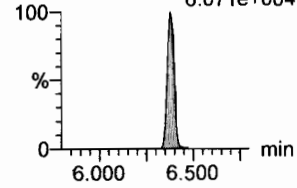


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
8.486e+004

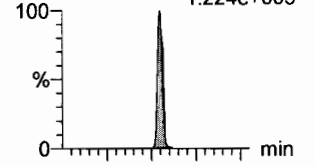


F40:MRM of 2 channels,ES-  
526.1 > 219  
6.071e+004

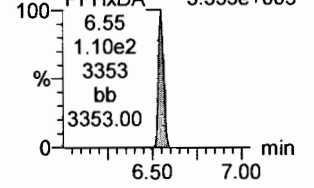


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
1.224e+005

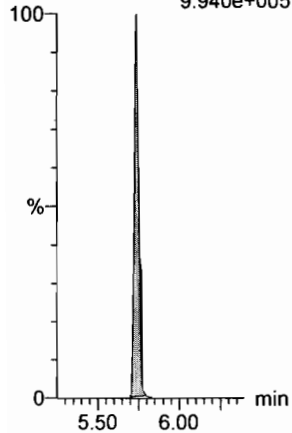


F62:MRM of 2 channels,ES-  
813.1 > 219  
3.353e+003



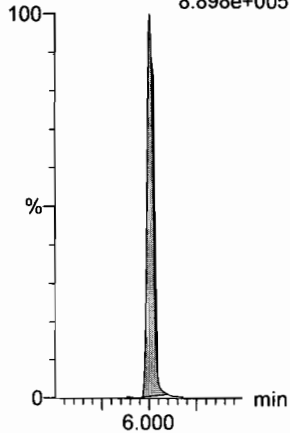
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.940e+005



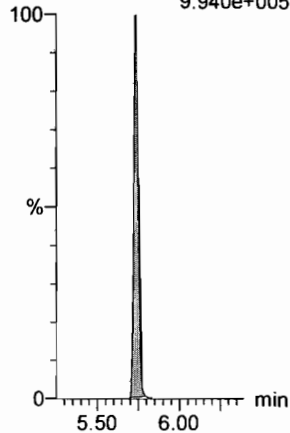
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
8.898e+005



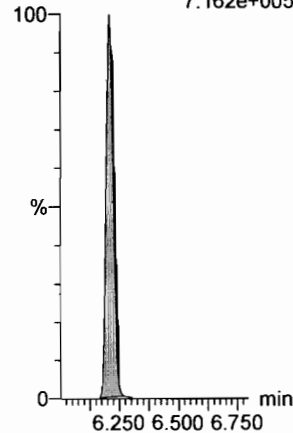
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.940e+005



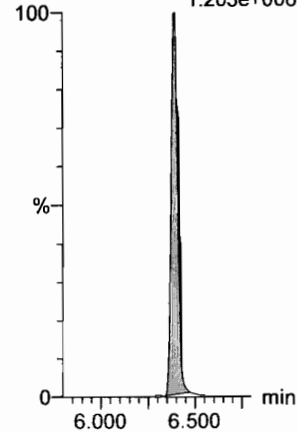
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
7.162e+005



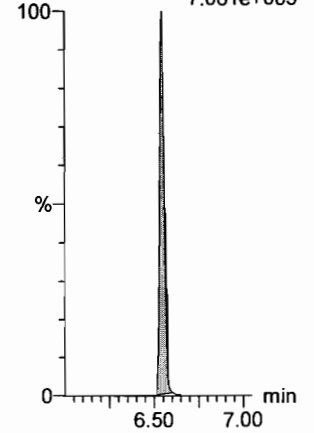
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.203e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
7.061e+005



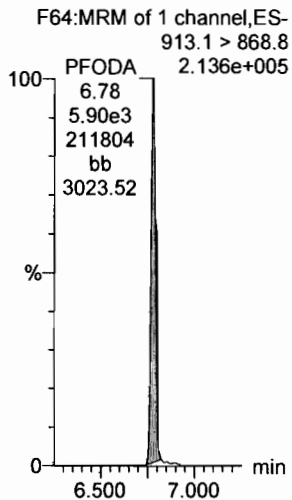
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

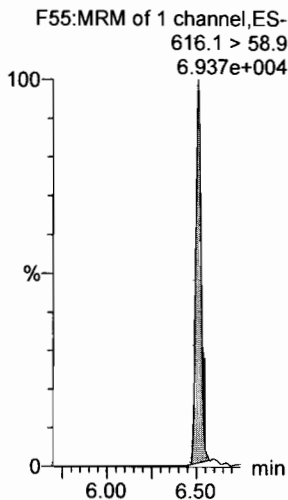
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Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

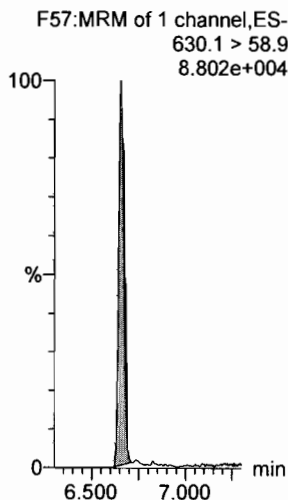
**PFODA**



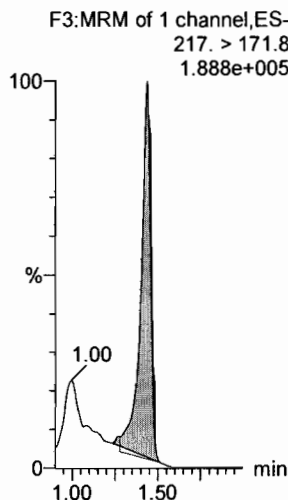
**N-MeFOSE**



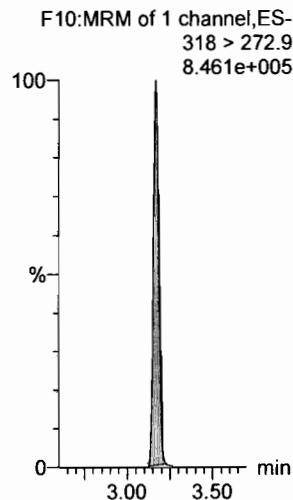
**N-EtFOSE**



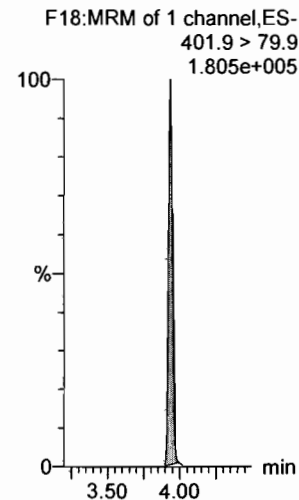
**13C4-PFBA**



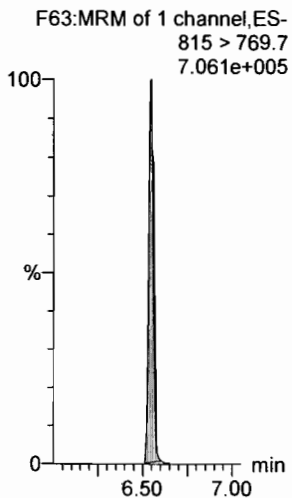
**13C5-PFHxA**



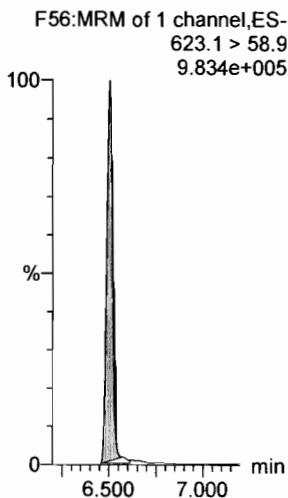
**13C3-PFHxS**



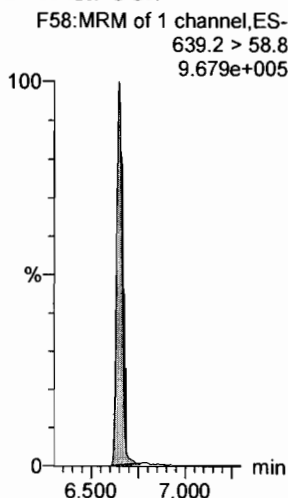
**13C2-PFHxDA**



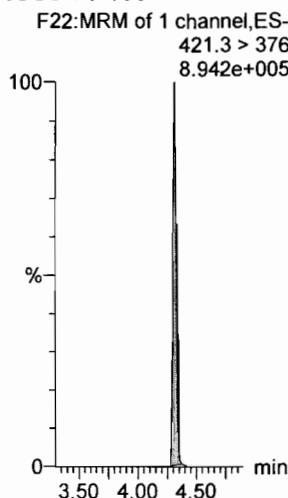
**d7-N-MeFOSE**



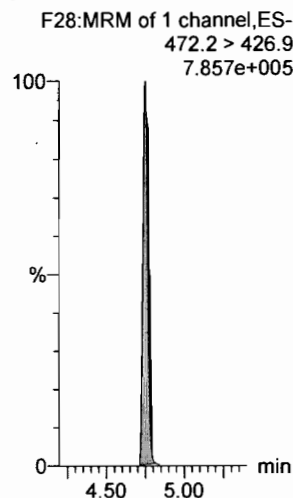
**d9-N-EtFOSE**



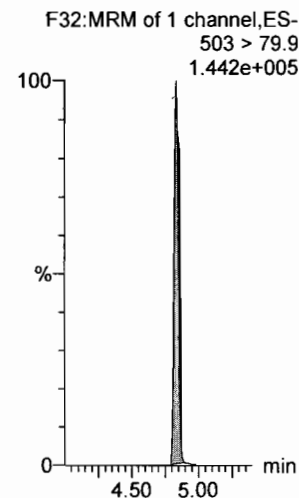
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

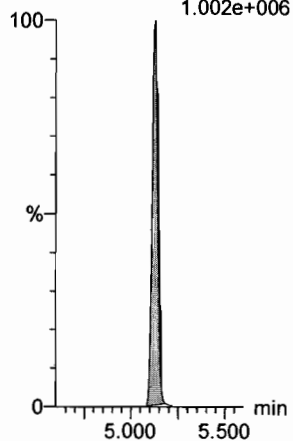
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Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_9, Date: 07-Mar-2018, Time: 17:32:12, ID: ST180307M1-4 PFC CS1 18C0605, Description: PFC CS1 18C0605

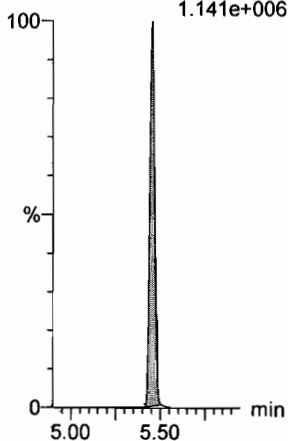
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
1.002e+006



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.141e+006



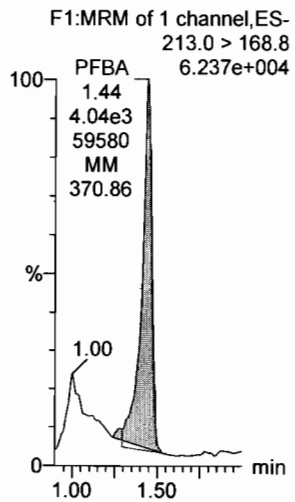
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

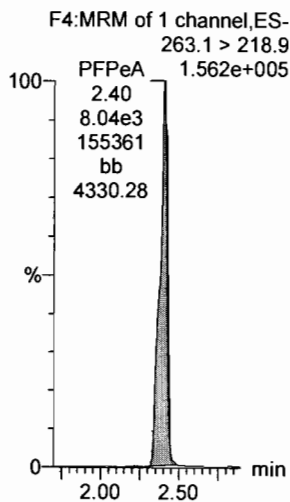
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606

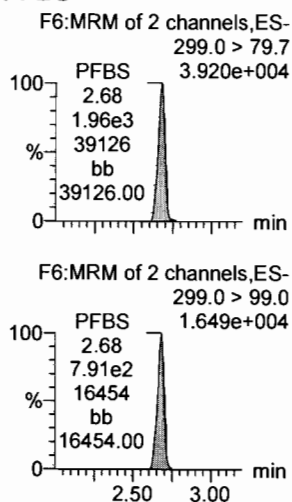
**PFBA**



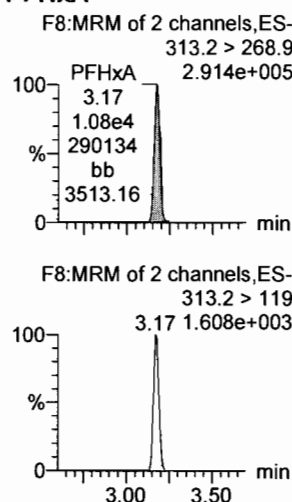
**PFPeA**



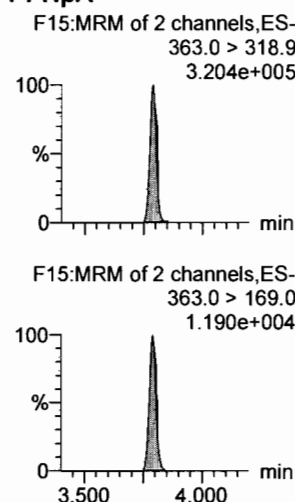
**PFBS**



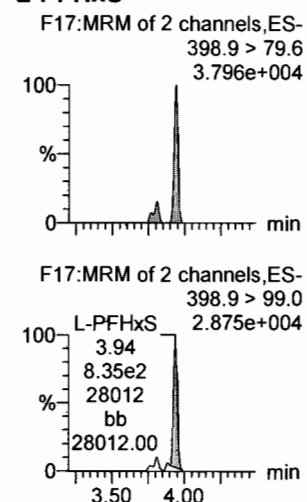
**PFHxA**



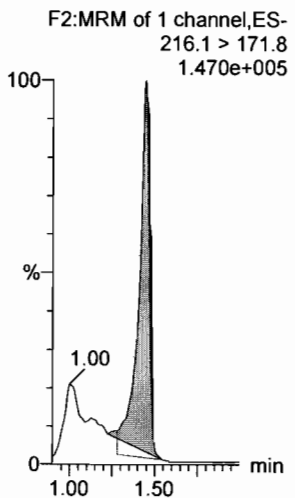
**PFHpA**



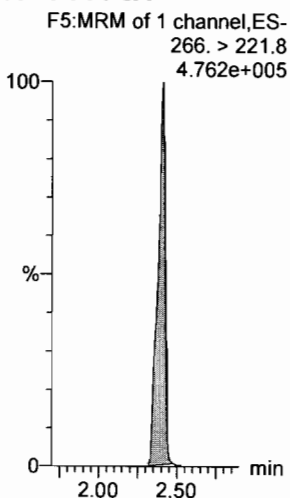
**L-PFHxS**



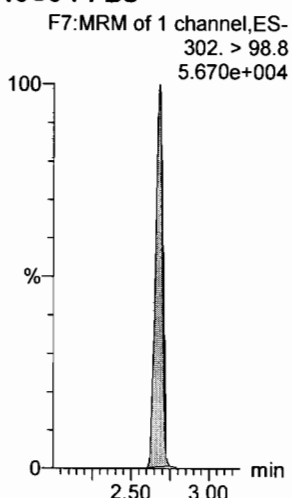
**13C3-PFBA**



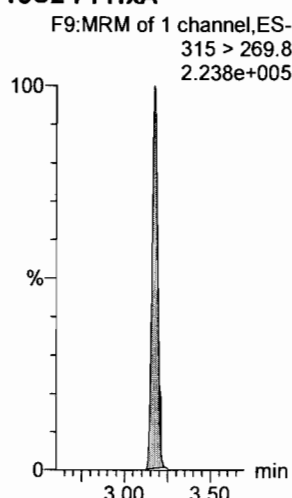
**13C3-PFPeA**



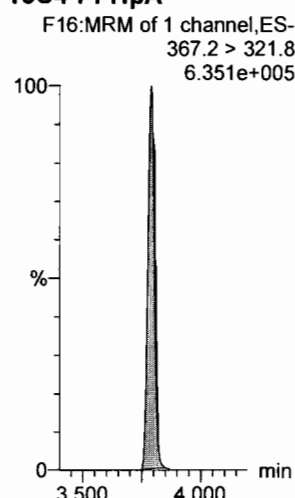
**13C3-PFBS**



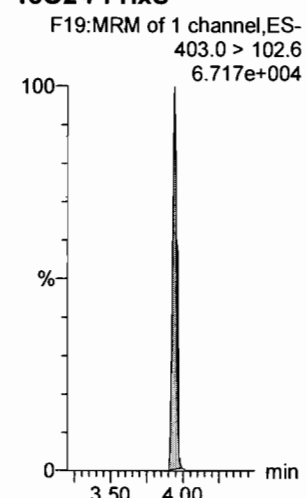
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



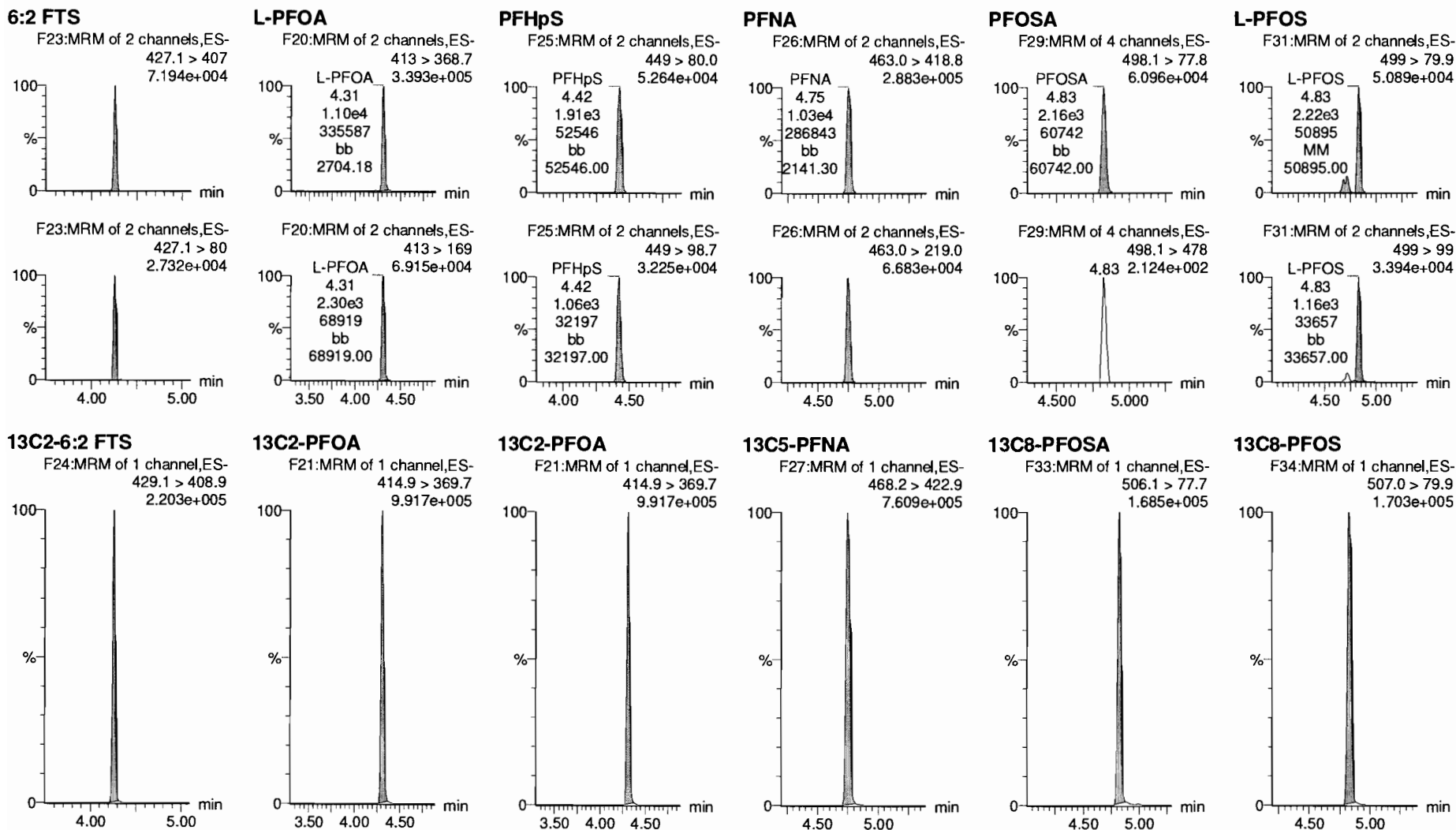


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Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606



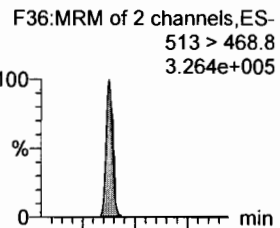
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

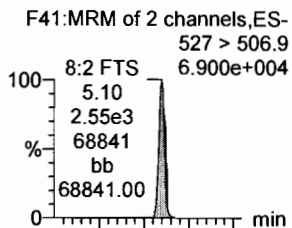
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606

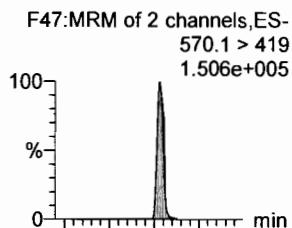
**PFDA**



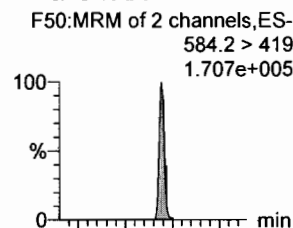
**8:2 FTS**



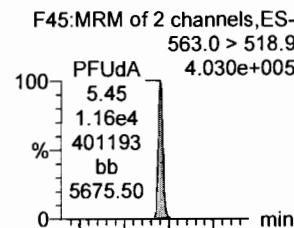
**N-MeFOSAA**



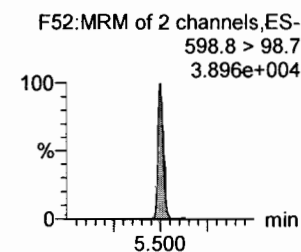
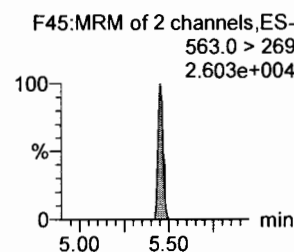
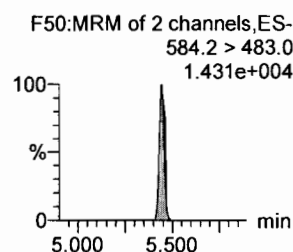
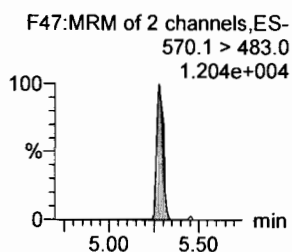
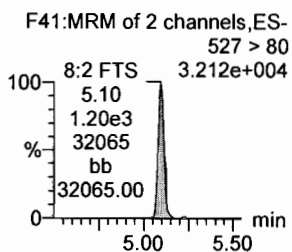
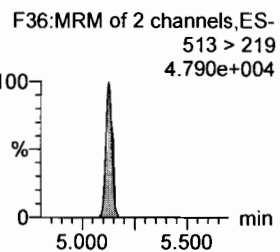
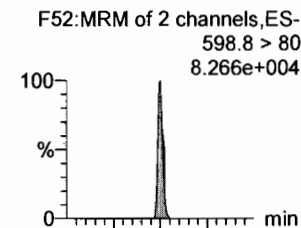
**N-EtFOSAA**



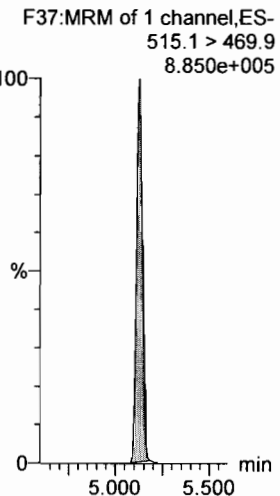
**PFUdA**



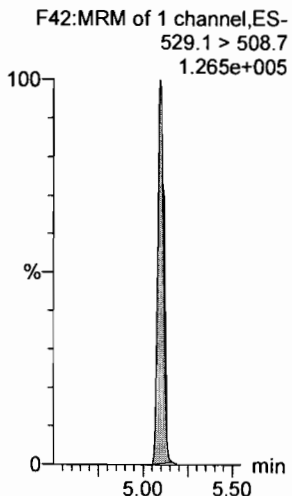
**PFDS**



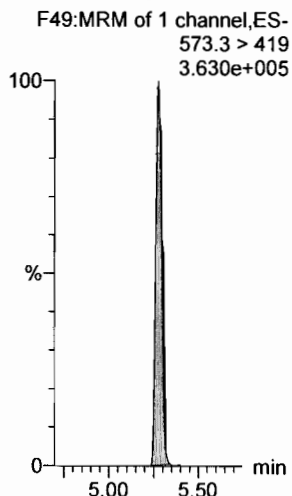
**13C2-PFDA**



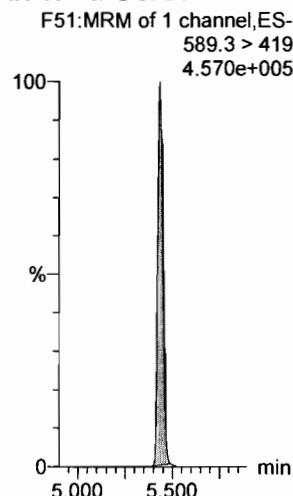
**13C2-8:2 FTS**



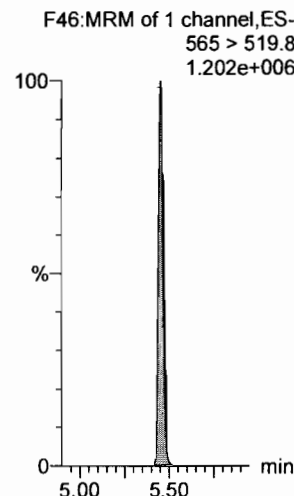
**d3-N-MeFOSAA**



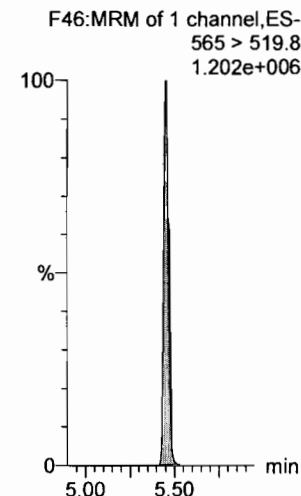
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



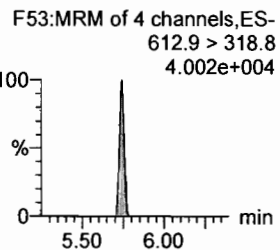
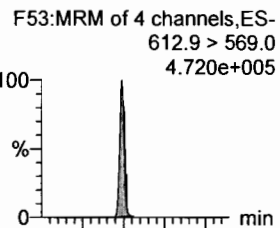
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

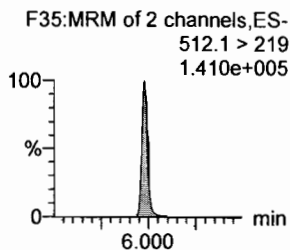
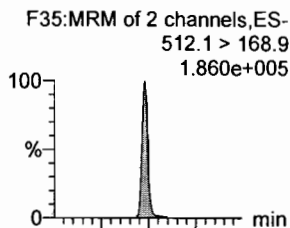
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Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606

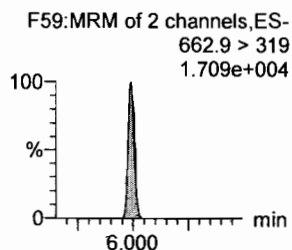
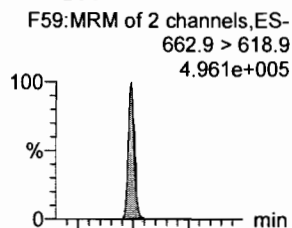
**PFDoA**



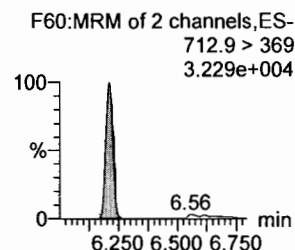
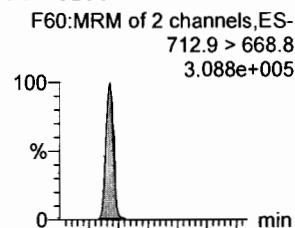
**N-MeFOSA**



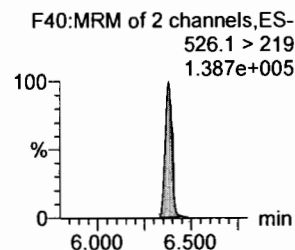
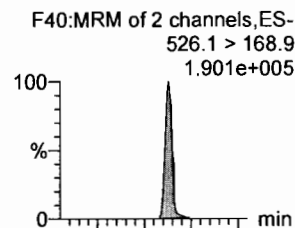
**PFTTrDA**



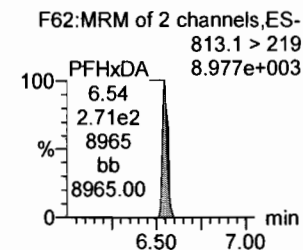
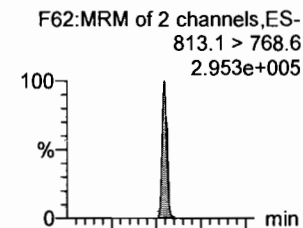
**PFTeDA**



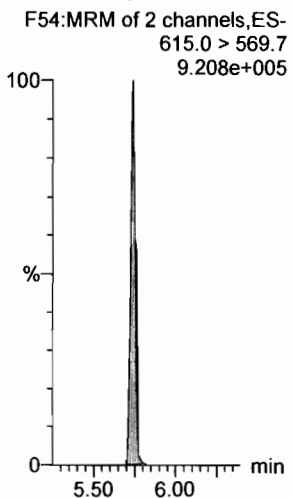
**N-EtFOSA**



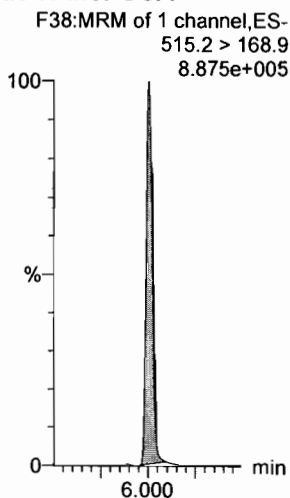
**PFHxDA**



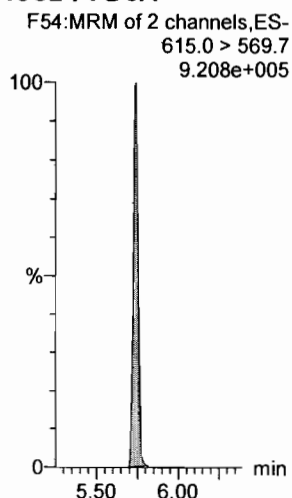
**13C2-PFDoA**



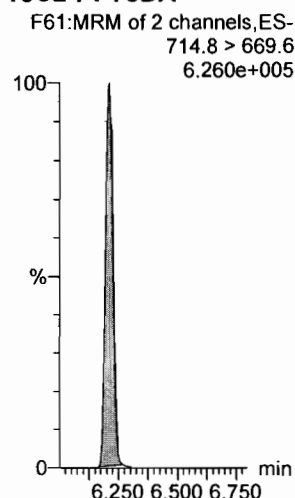
**d3-N-MeFOSA**



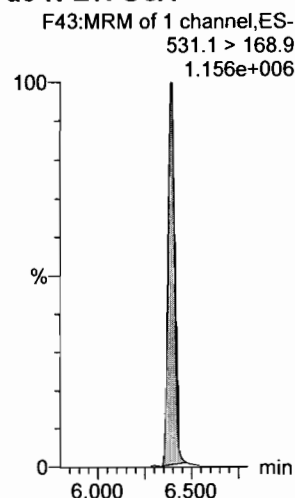
**13C2-PFDoA**



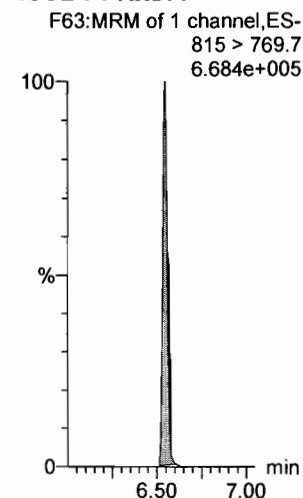
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

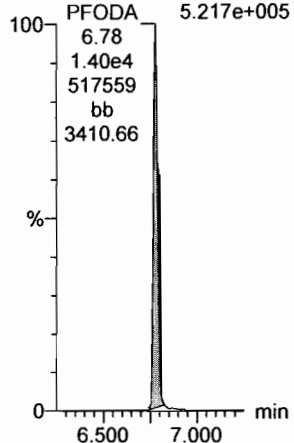
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606

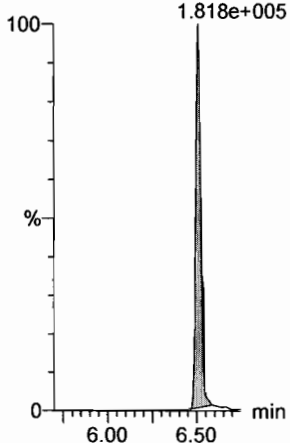
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
5.217e+005



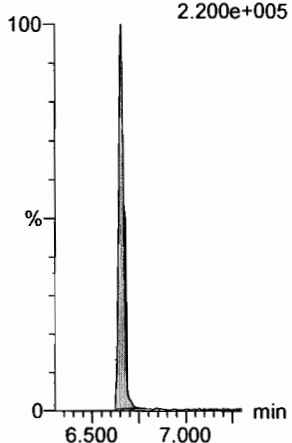
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
1.818e+005



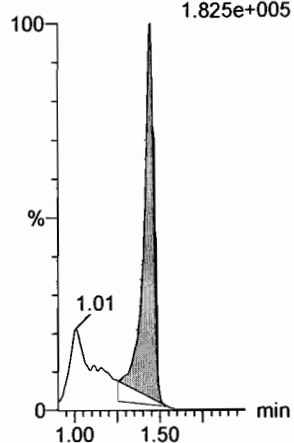
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
2.200e+005



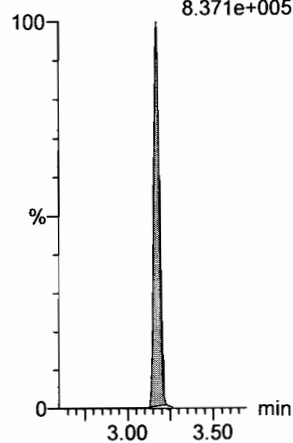
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.825e+005



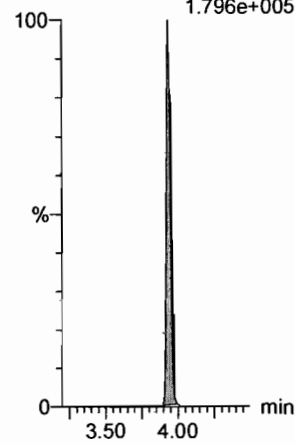
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
8.371e+005



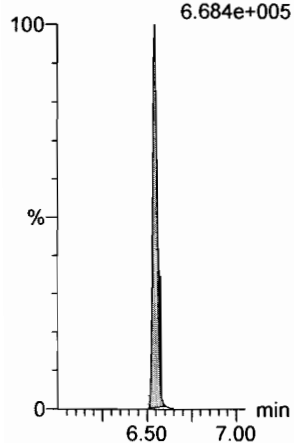
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.796e+005



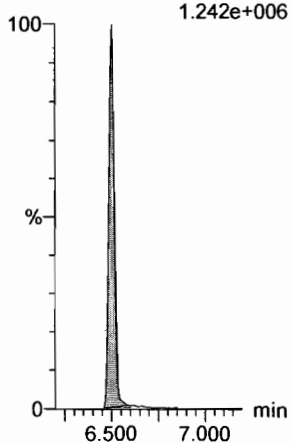
**13C2-PFHxDa**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.684e+005



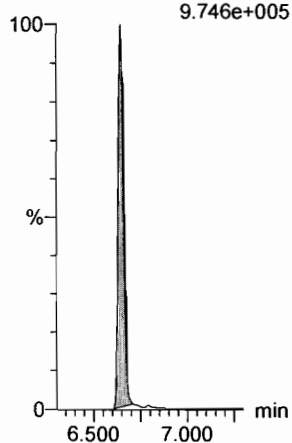
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.242e+006



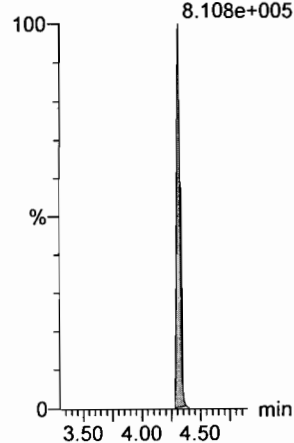
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
9.746e+005



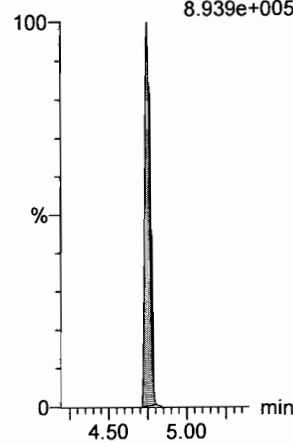
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
8.108e+005



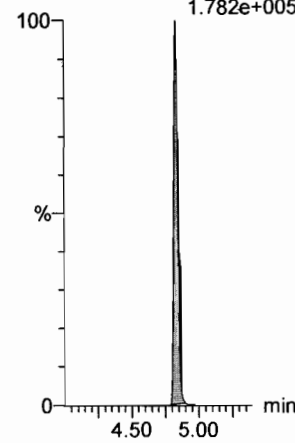
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
8.939e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.782e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

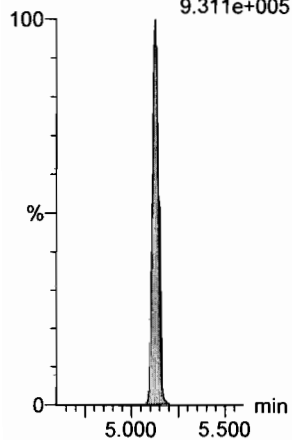
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_10, Date: 07-Mar-2018, Time: 17:43:42, ID: ST180307M1-5 PFC CS2 18C0606, Description: PFC CS2 18C0606

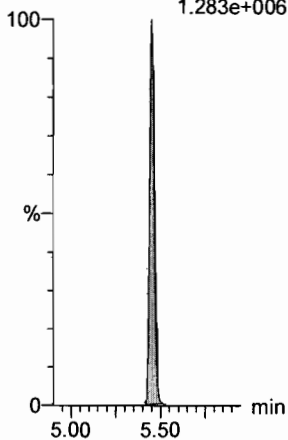
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.311e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.283e+006



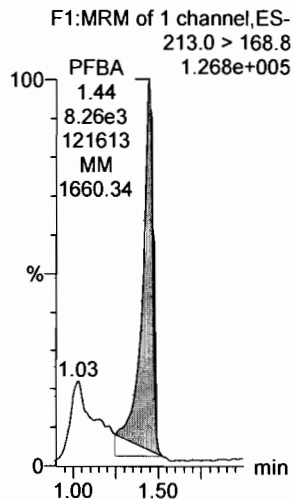
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

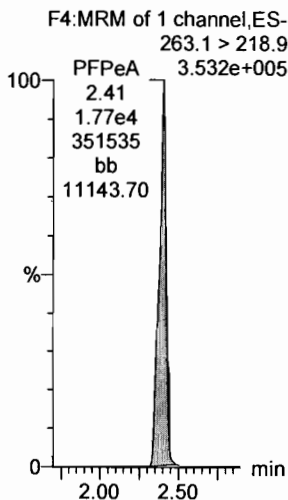
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607

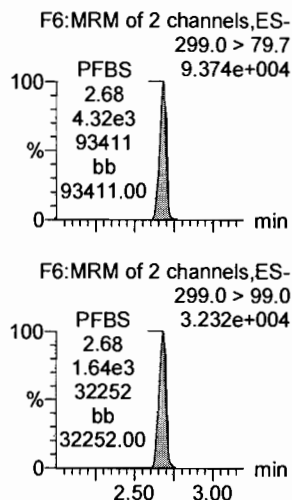
**PFBA**



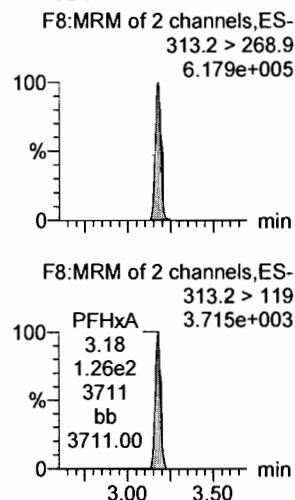
**PFPeA**



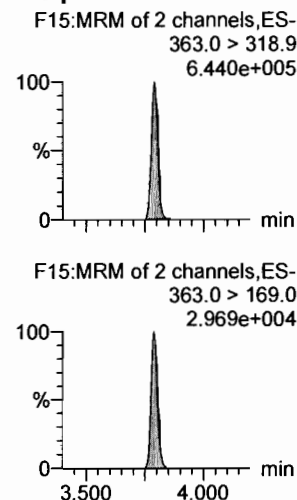
**PFBS**



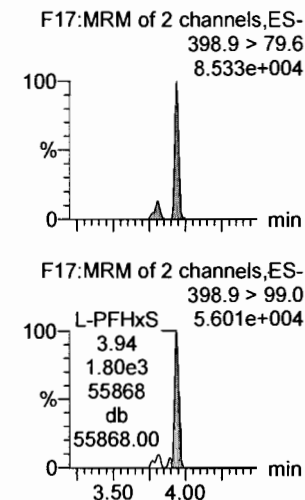
**PFHxA**



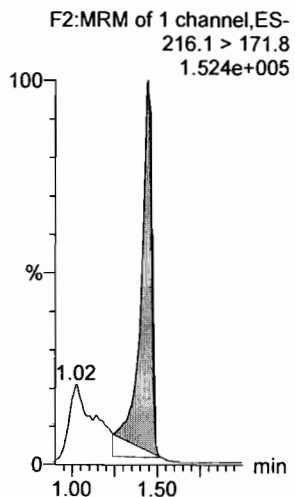
**PFHpA**



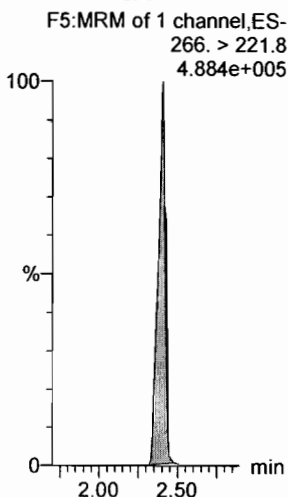
**L-PFHxS**



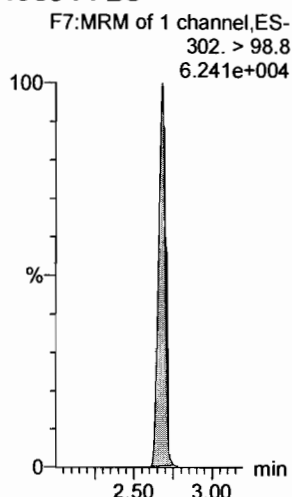
**13C3-PFBA**



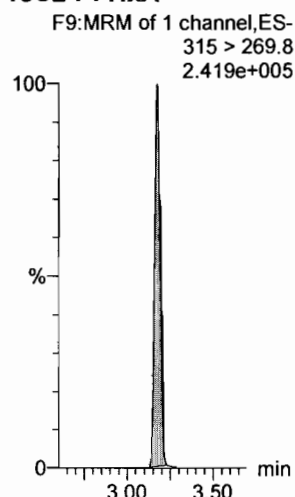
**13C3-PFPeA**



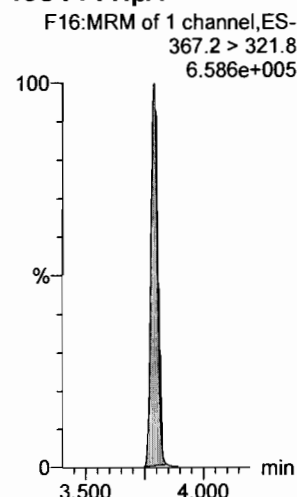
**13C3-PFBS**



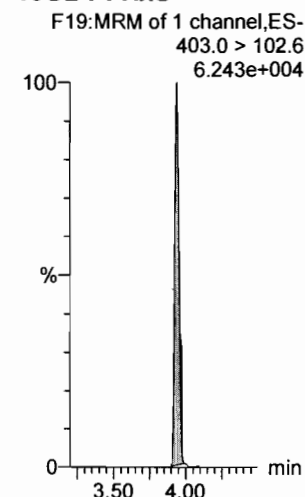
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

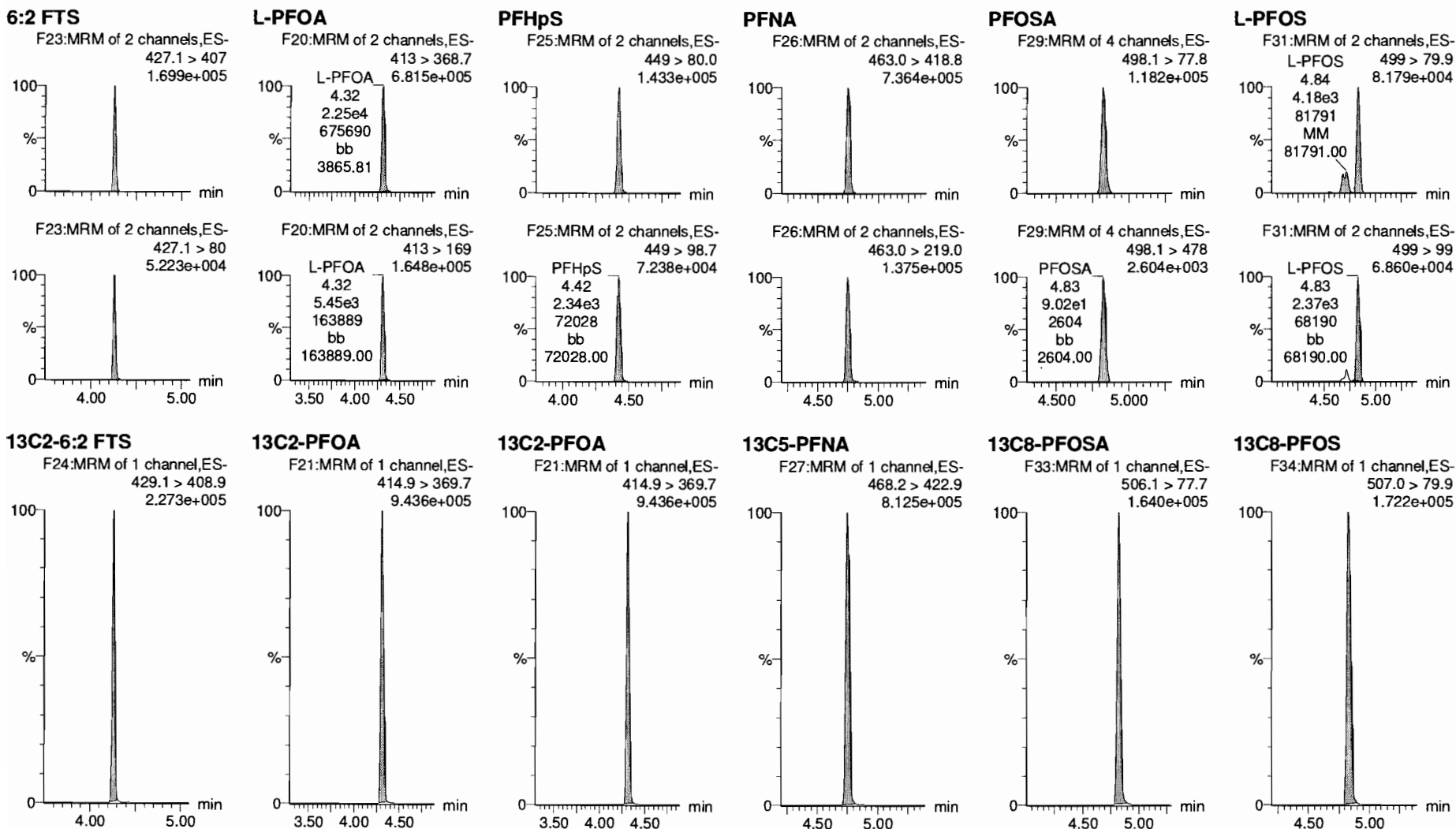


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

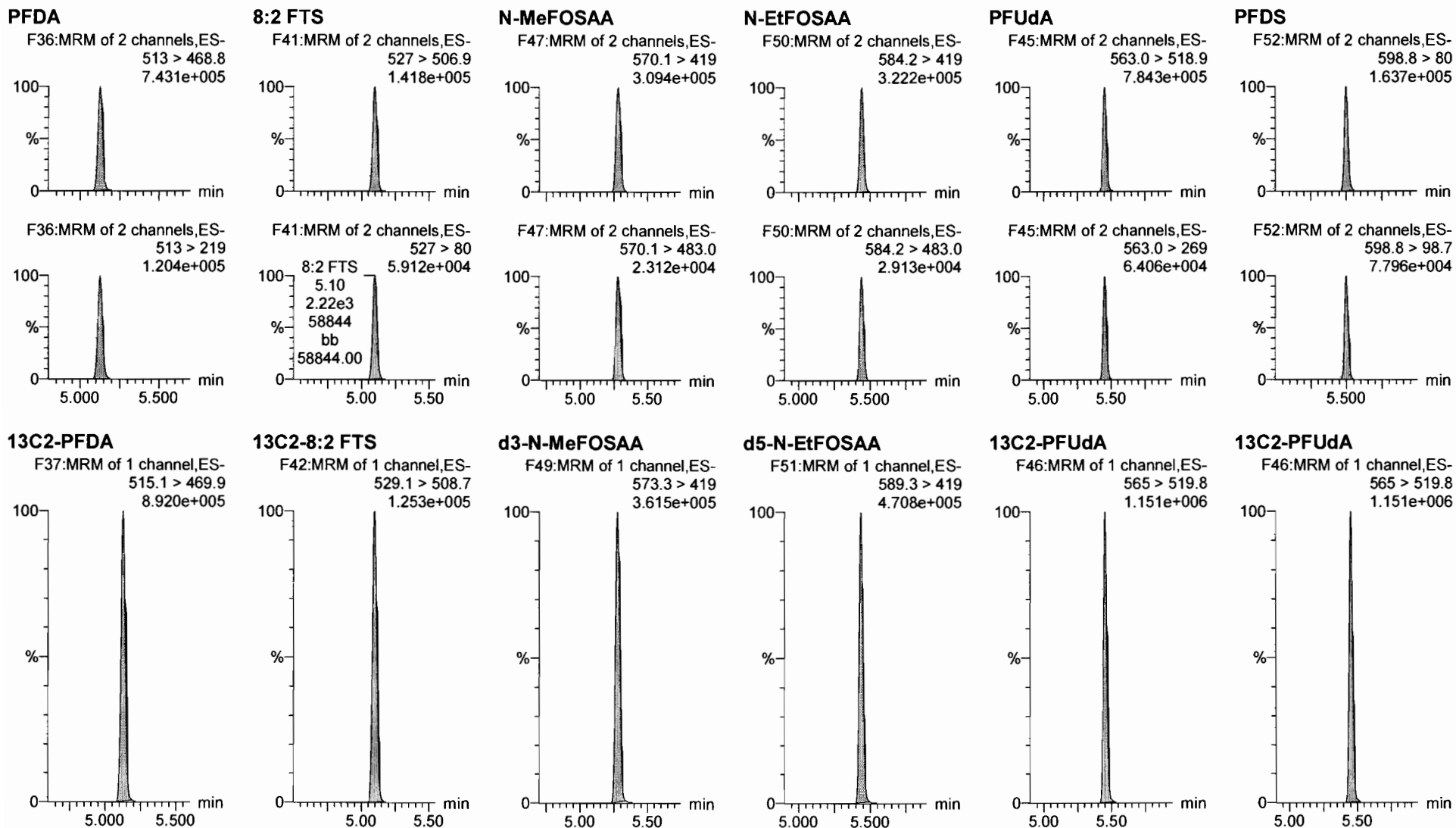
Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time  
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

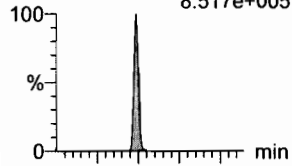
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607

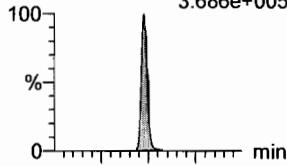
**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
8.517e+005



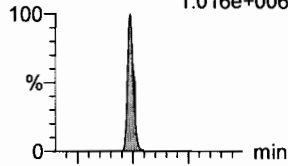
**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
3.686e+005



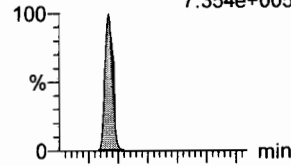
**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.016e+006



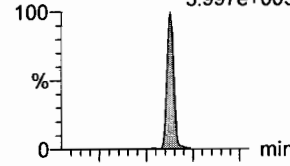
**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
7.354e+005



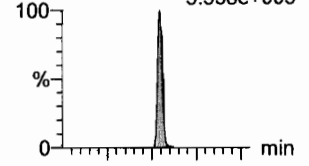
**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
3.997e+005

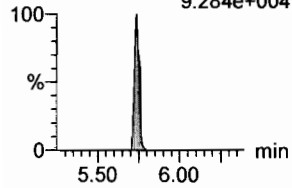


**PFHxDA**

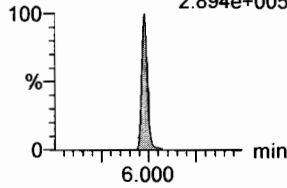
F62:MRM of 2 channels,ES-  
813.1 > 768.6  
5.538e+005



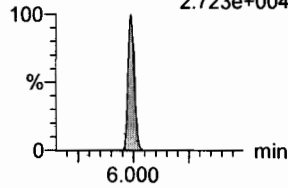
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
9.284e+004



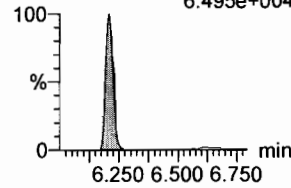
F35:MRM of 2 channels,ES-  
512.1 > 219  
2.894e+005



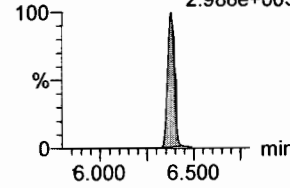
F59:MRM of 2 channels,ES-  
662.9 > 319  
2.723e+004



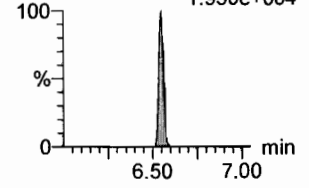
F60:MRM of 2 channels,ES-  
712.9 > 369  
6.495e+004



F40:MRM of 2 channels,ES-  
526.1 > 219  
2.988e+005

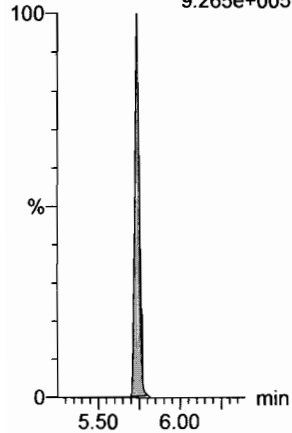


F62:MRM of 2 channels,ES-  
813.1 > 219  
1.950e+004



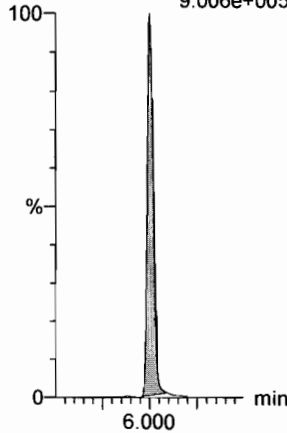
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.265e+005



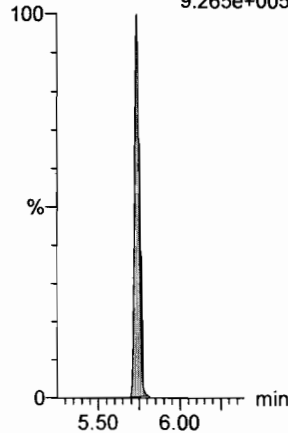
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
9.006e+005



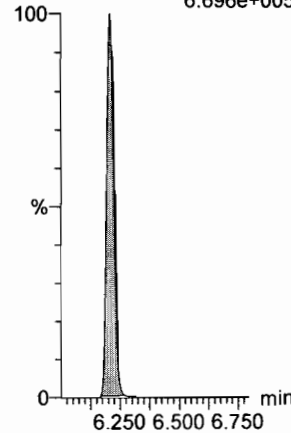
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
9.265e+005



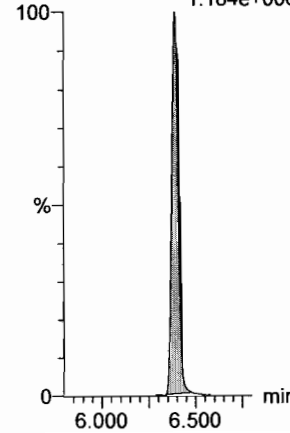
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
6.696e+005



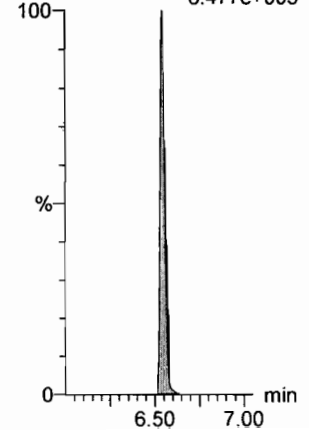
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.184e+006



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.477e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

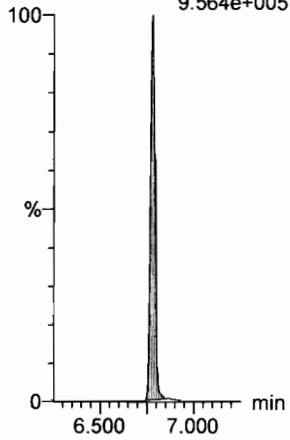
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607

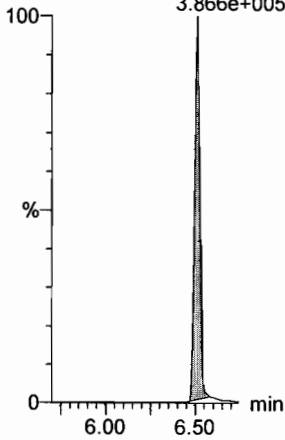
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
9.564e+005



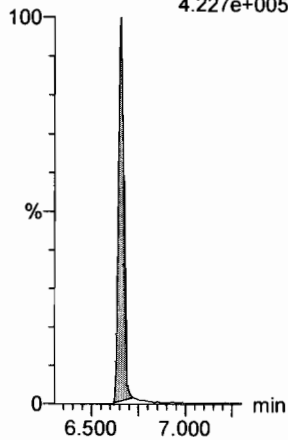
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
3.866e+005



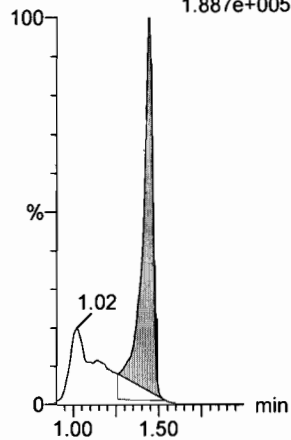
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
4.227e+005



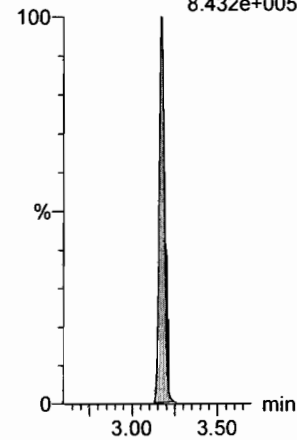
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.887e+005



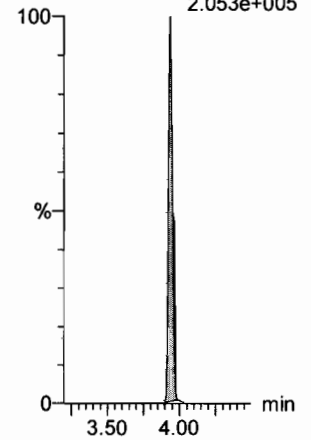
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
8.432e+005



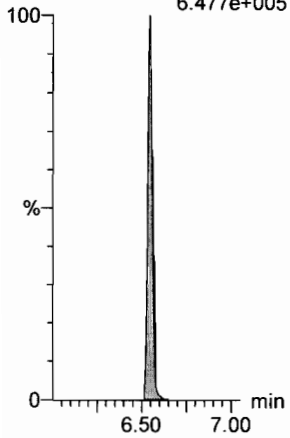
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
2.053e+005



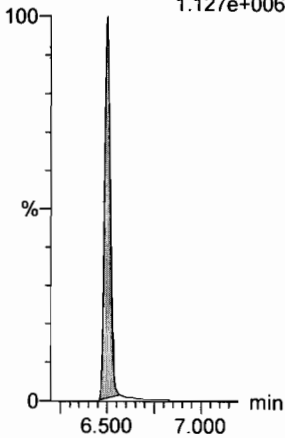
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.477e+005



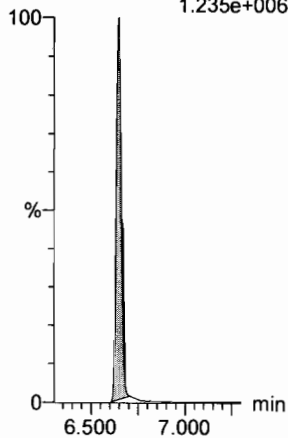
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.127e+006



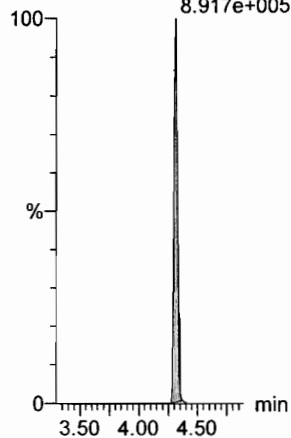
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.235e+006



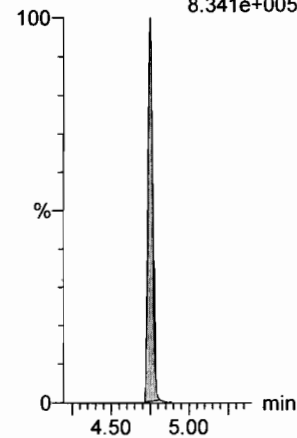
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
8.917e+005



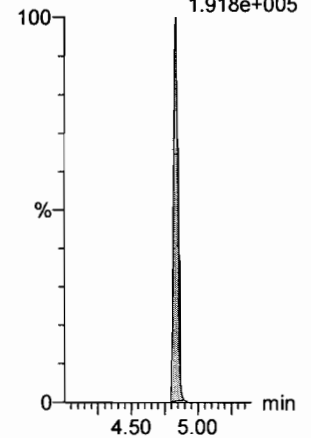
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
8.341e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.918e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

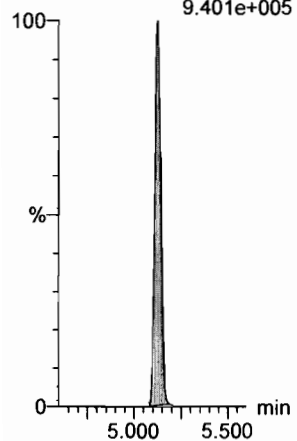
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_11, Date: 07-Mar-2018, Time: 17:55:11, ID: ST180307M1-6 PFC CS3 18C0607, Description: PFC CS3 18C0607

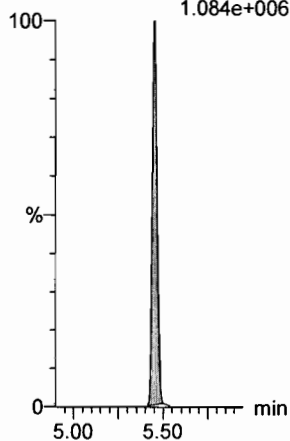
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.401e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.084e+006



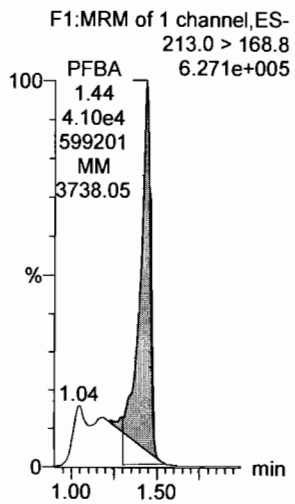
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

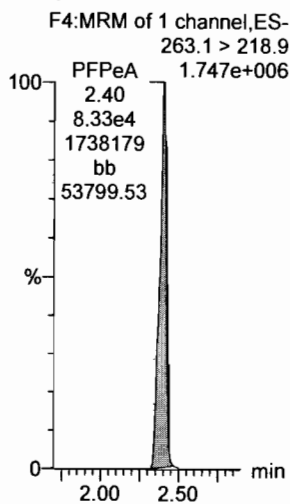
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

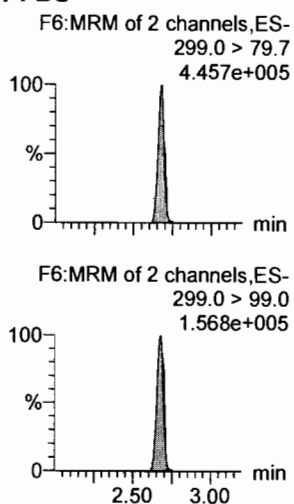
**PFBA**



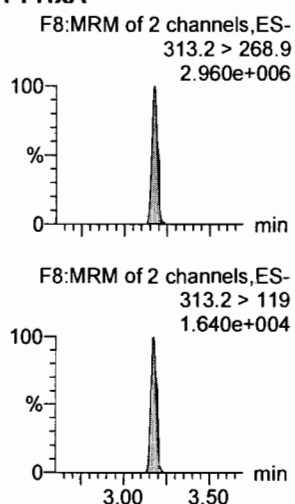
**PFPeA**



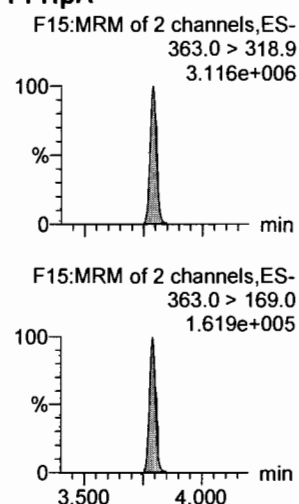
**PFBS**



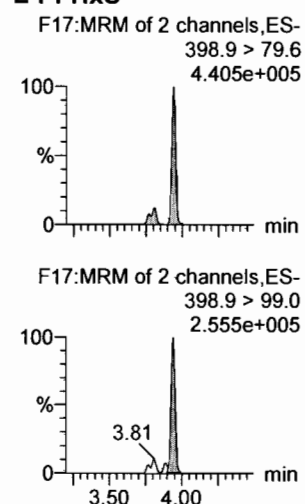
**PFHxA**



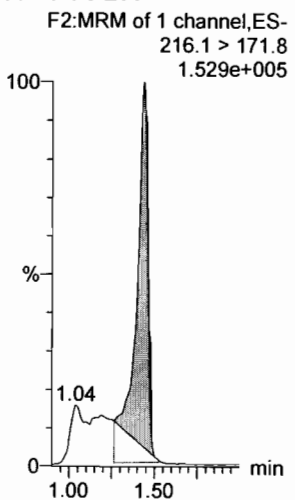
**PFHpA**



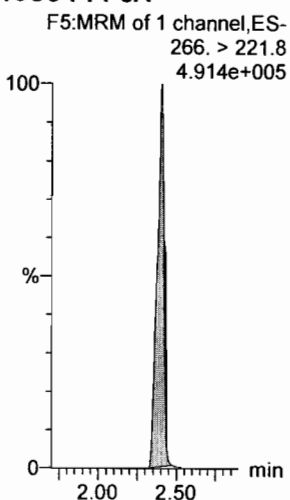
**L-PFHxS**



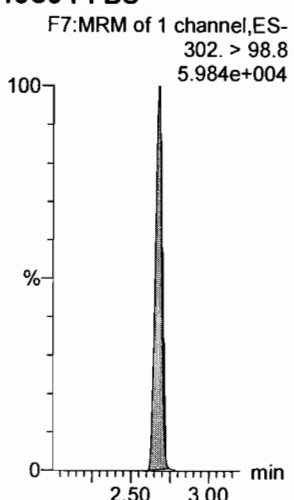
**13C3-PFBA**



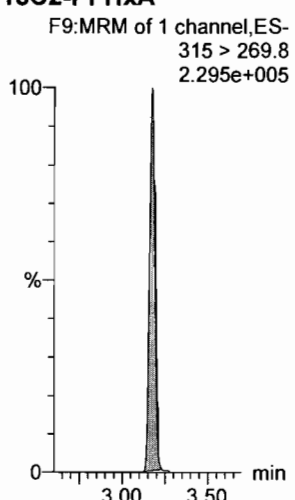
**13C3-PFPeA**



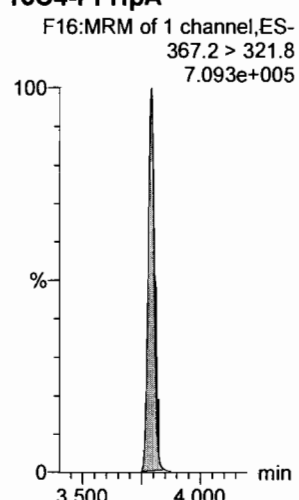
**13C3-PFBS**



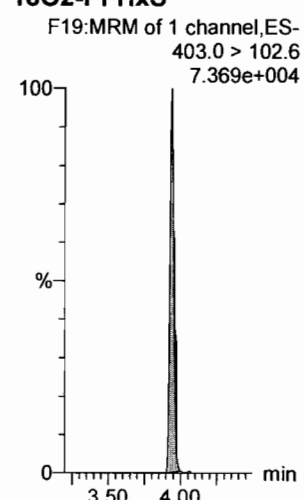
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



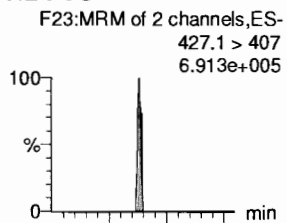
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Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

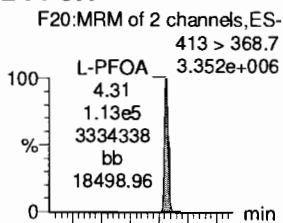
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Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

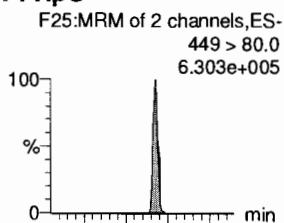
**6:2 FTS**



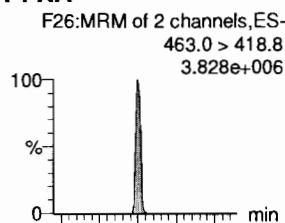
**L-PFOA**



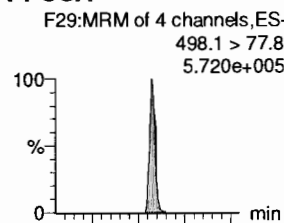
**PFHpS**



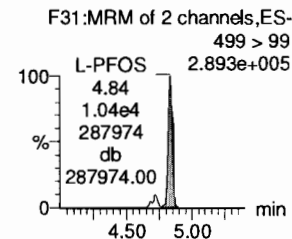
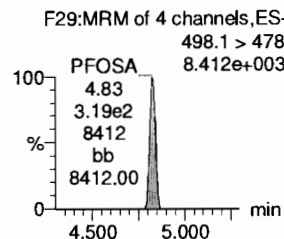
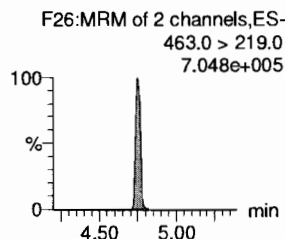
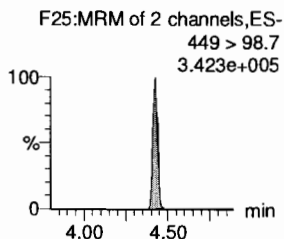
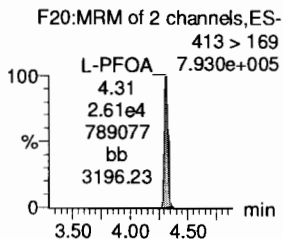
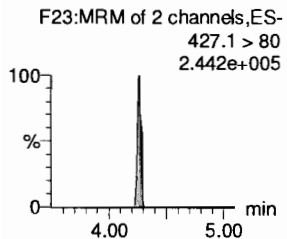
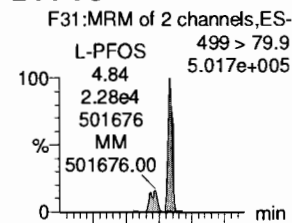
**PFNA**



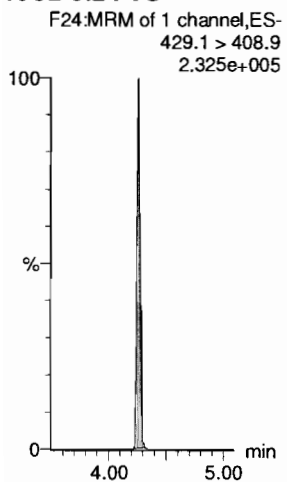
**PFOSA**



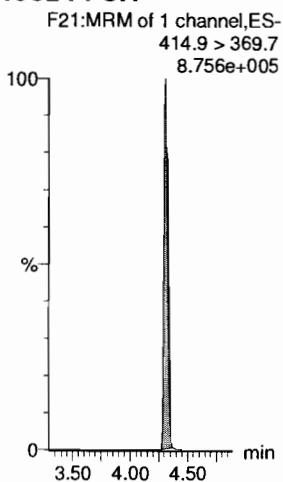
**L-PFOS**



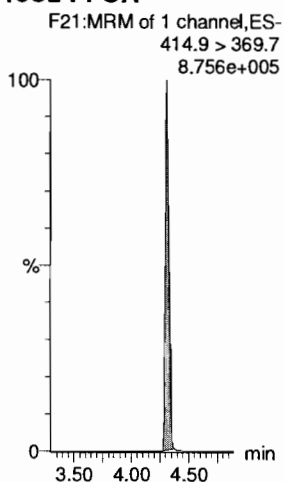
**13C2-6:2 FTS**



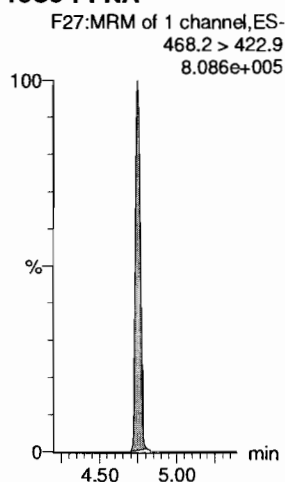
**13C2-PFOA**



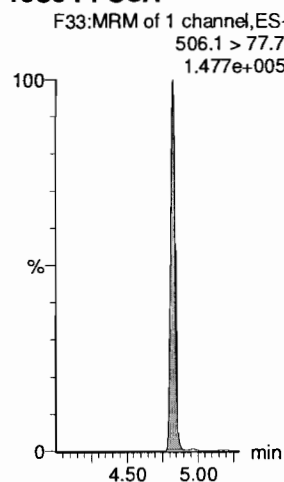
**13C2-PFOA**



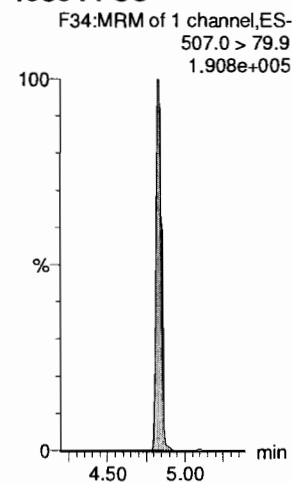
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

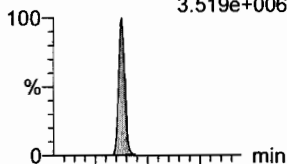
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

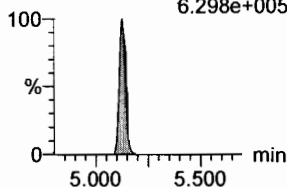
Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
3.519e+006

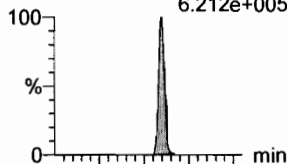


F36:MRM of 2 channels,ES-  
513 > 219  
6.298e+005

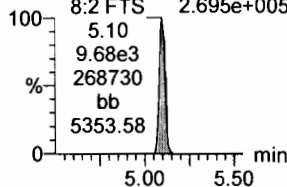


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
6.212e+005

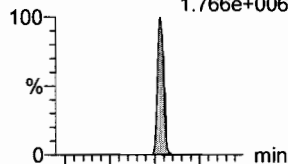


F41:MRM of 2 channels,ES-  
527 > 80  
2.695e+005

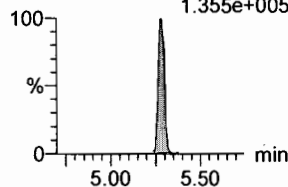


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.766e+006

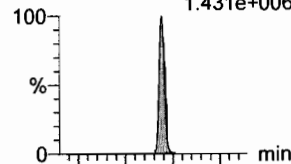


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
1.355e+005

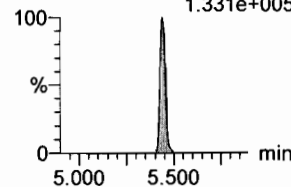


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.431e+006

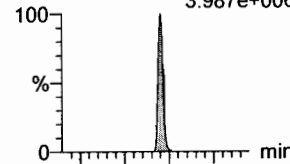


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
1.331e+005

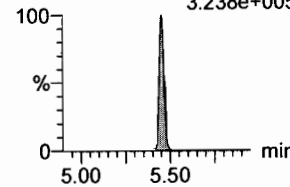


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.987e+006

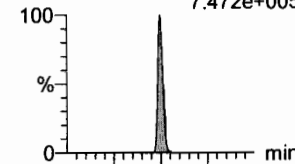


F45:MRM of 2 channels,ES-  
563.0 > 269  
3.238e+005

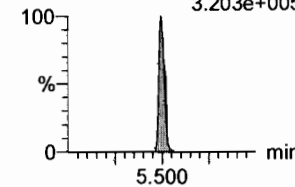


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
7.472e+005

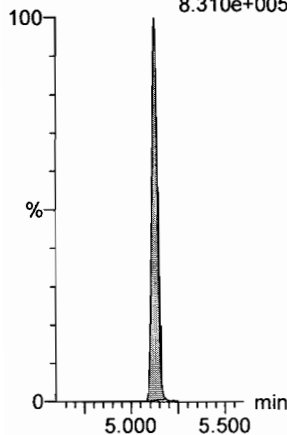


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
3.203e+005



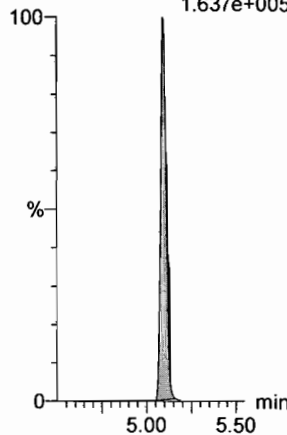
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.310e+005



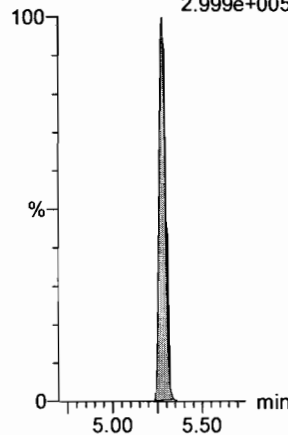
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.637e+005



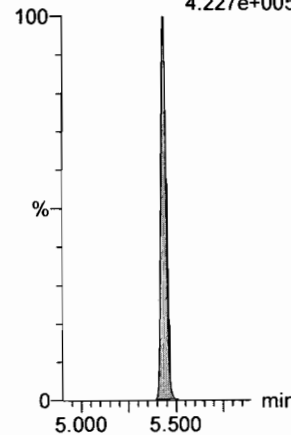
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.999e+005



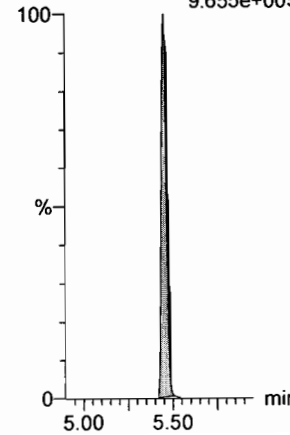
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
4.227e+005



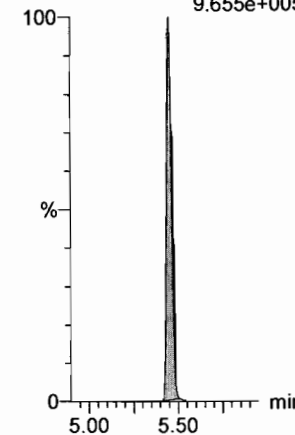
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.655e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.655e+005



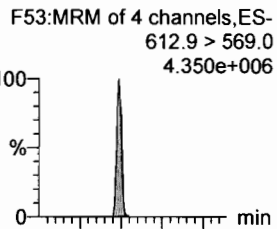
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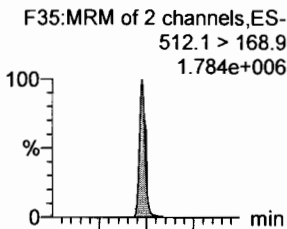
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Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

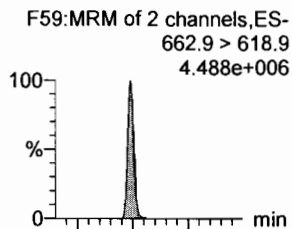
**PFDoA**



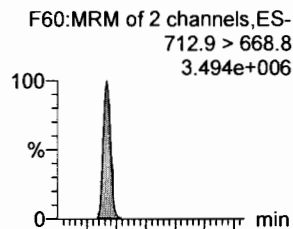
**N-MeFOSA**



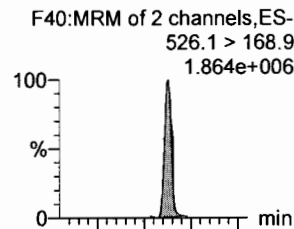
**PFTrDA**



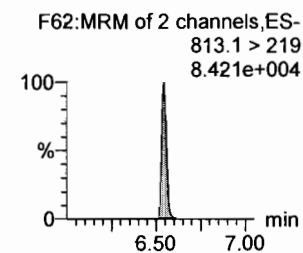
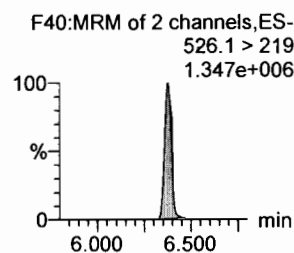
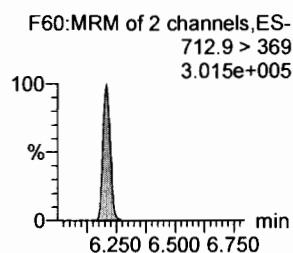
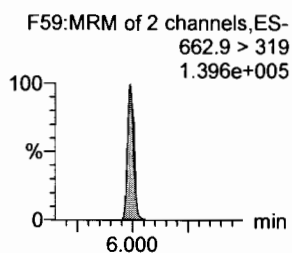
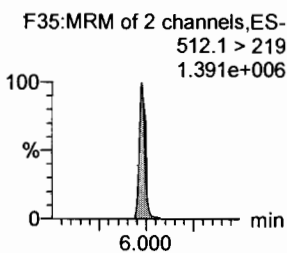
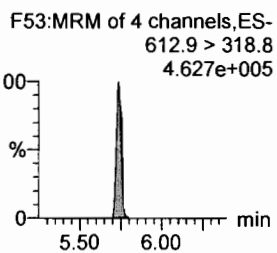
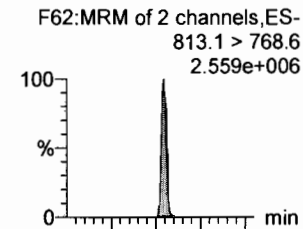
**PFTeDA**



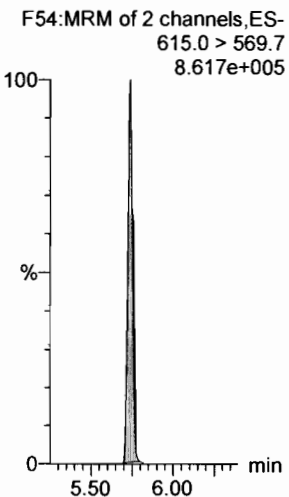
**N-EtFOSA**



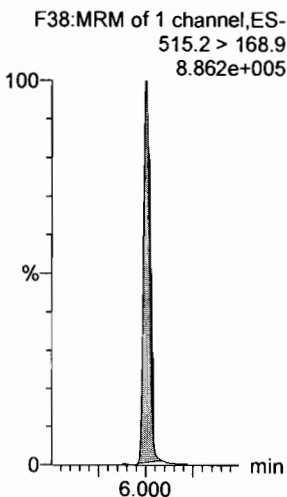
**PFHxDA**



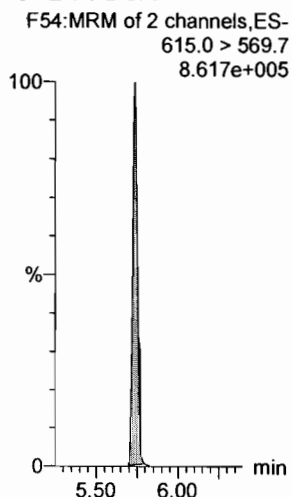
**13C2-PFDoA**



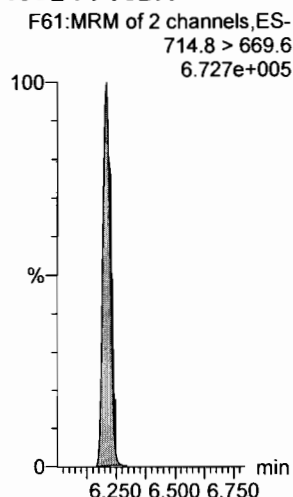
**d3-N-MeFOSA**



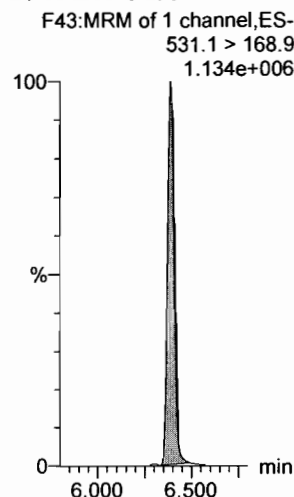
**13C2-PFDoA**



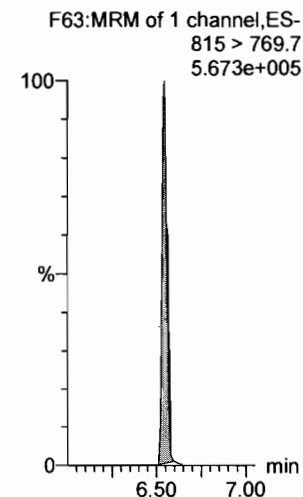
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



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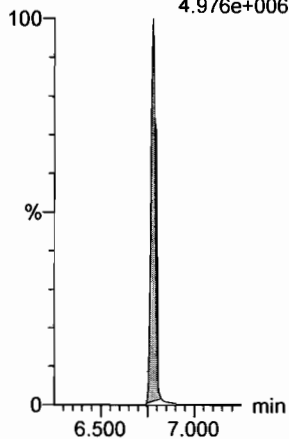
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Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

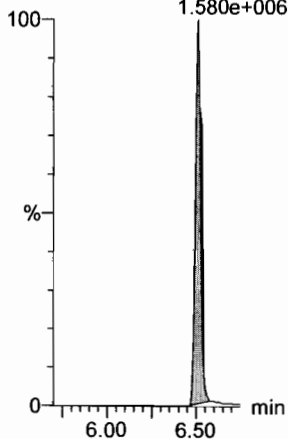
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
4.976e+006



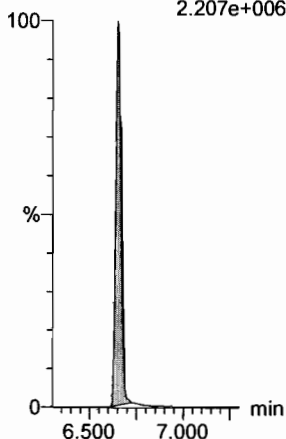
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
1.580e+006



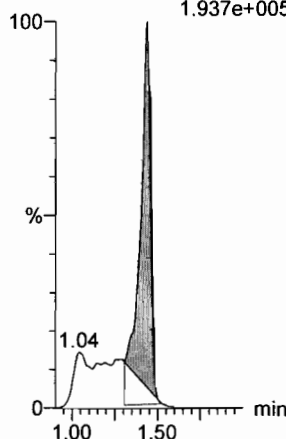
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
2.207e+006



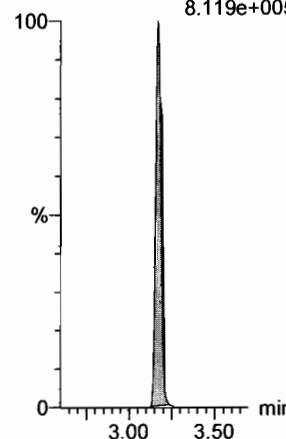
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.937e+005



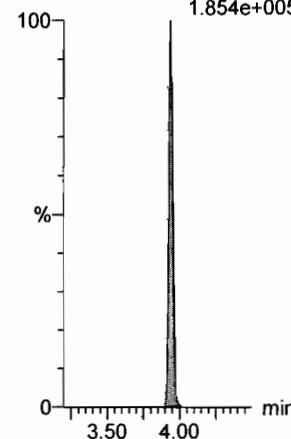
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
8.119e+005



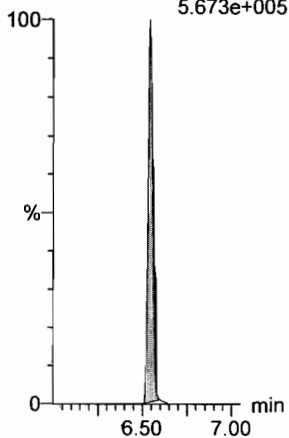
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.854e+005



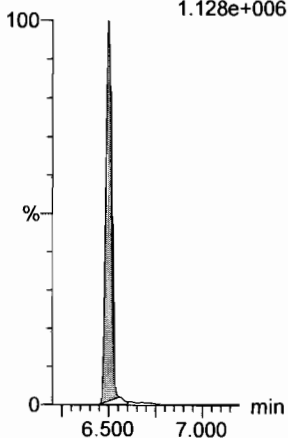
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
5.673e+005



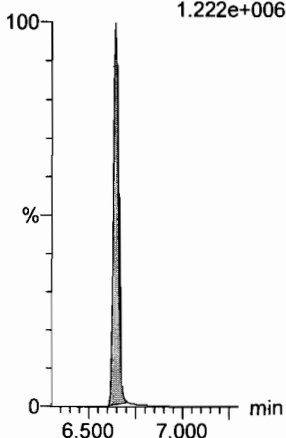
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.128e+006



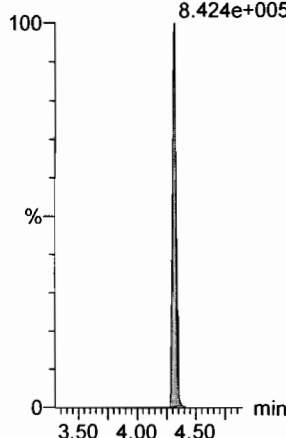
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.222e+006



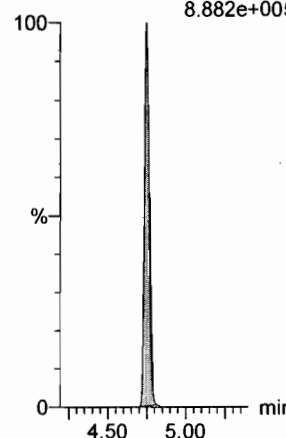
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
8.424e+005



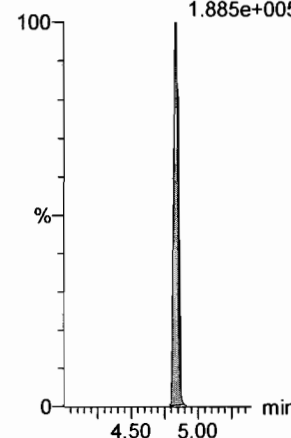
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
8.882e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.885e+005





Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

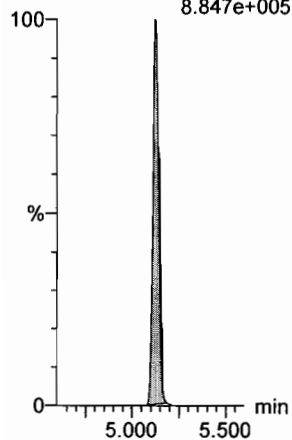
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_12, Date: 07-Mar-2018, Time: 18:06:41, ID: ST180307M1-7 PFC CS4 18C0608, Description: PFC CS4 18C0608

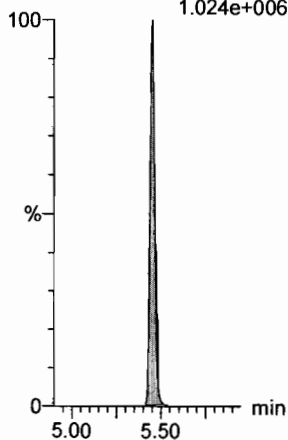
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
8.847e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.024e+006



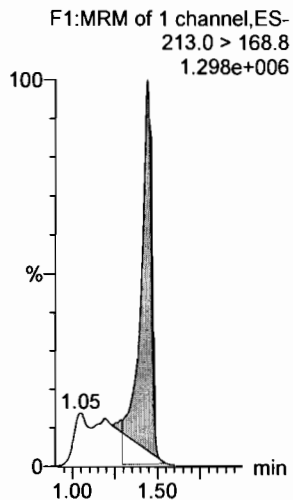
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

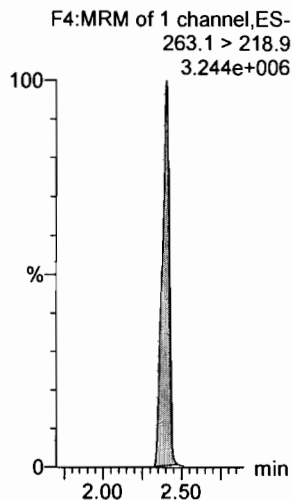
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

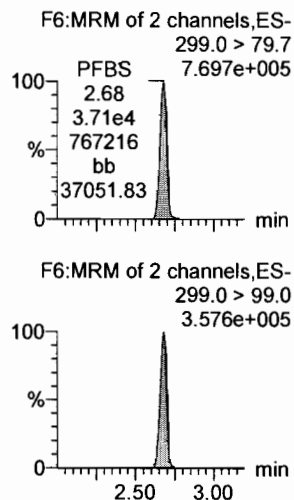
**PFBA**



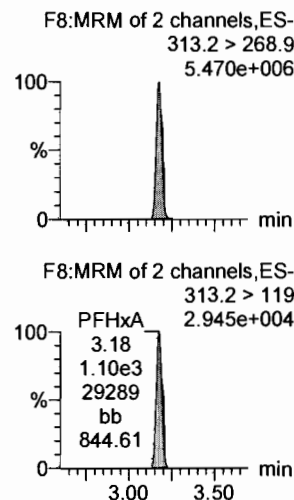
**PFPeA**



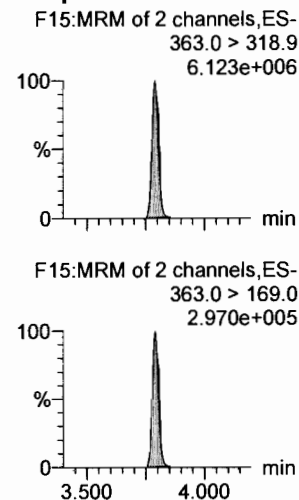
**PFBS**



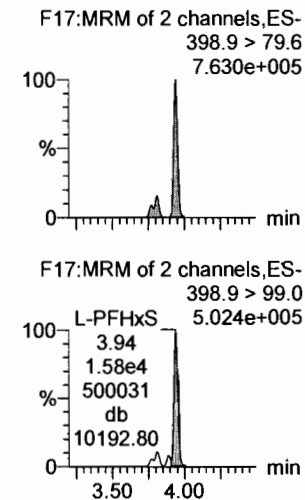
**PFHxA**



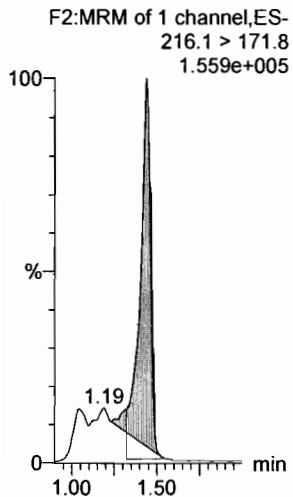
**PFHpA**



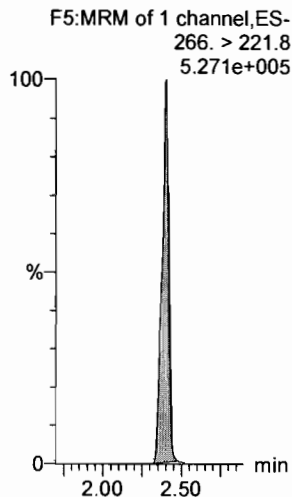
**L-PFHxS**



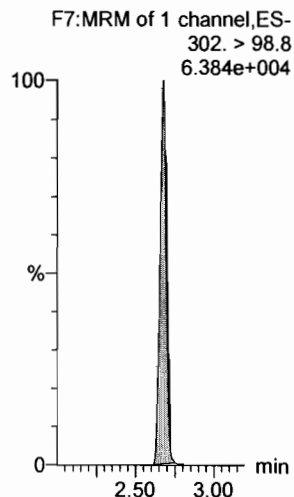
**13C3-PFBA**



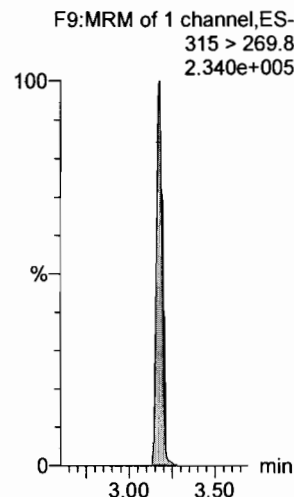
**13C3-PFPeA**



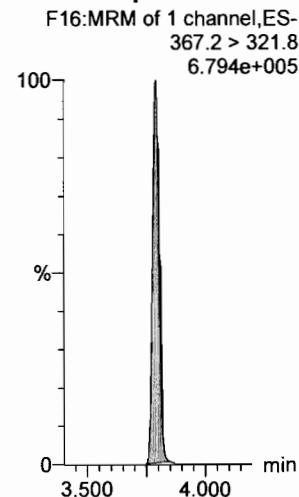
**13C3-PFBS**



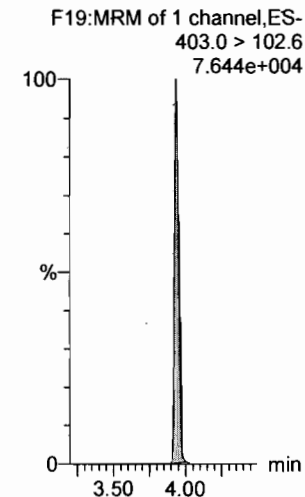
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

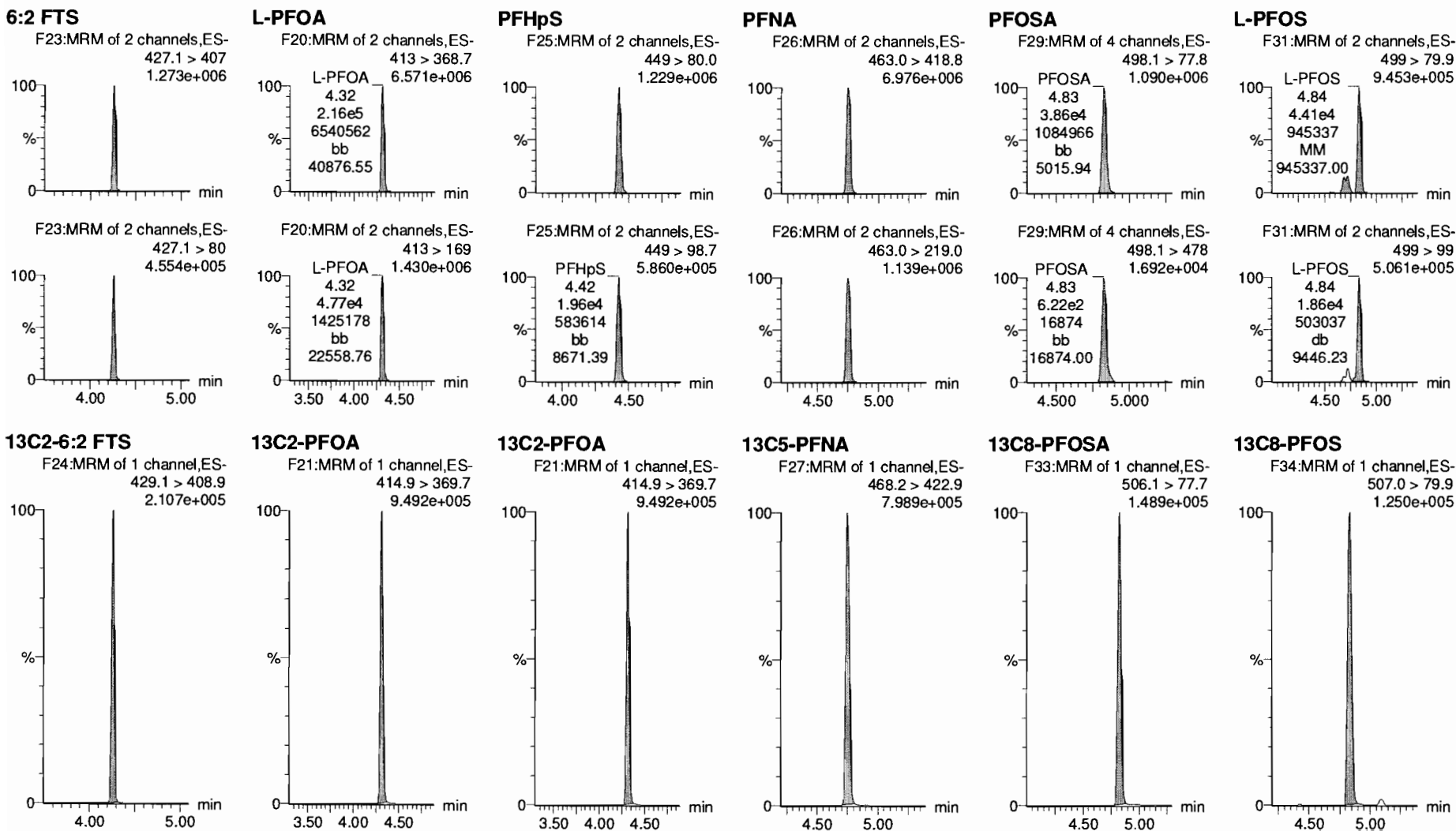


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

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Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609



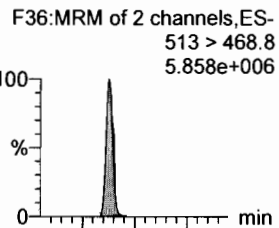
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

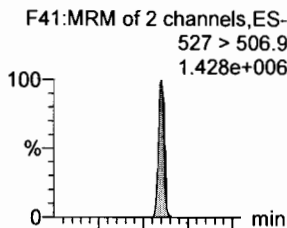
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

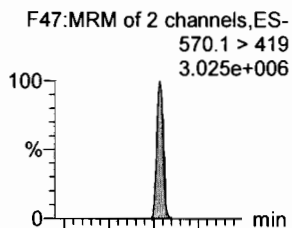
**PFDA**



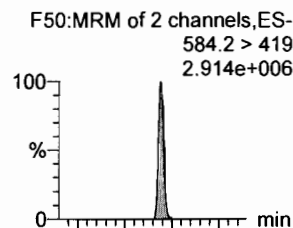
**8:2 FTS**



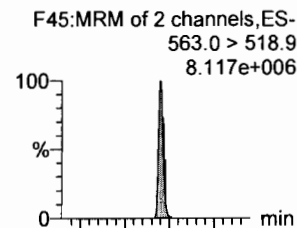
**N-MeFOSAA**



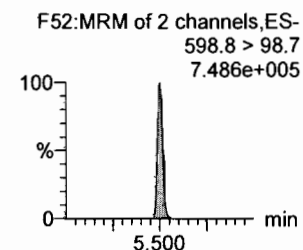
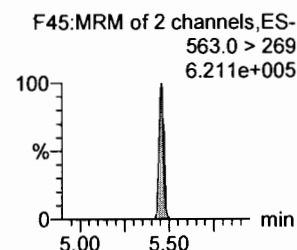
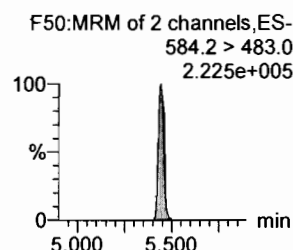
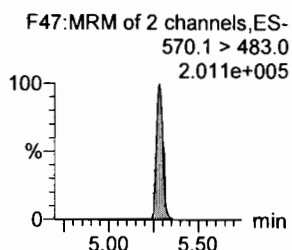
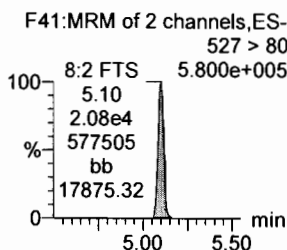
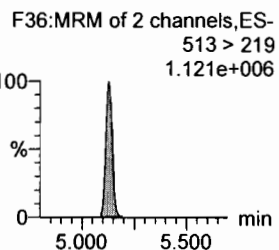
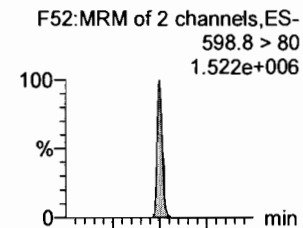
**N-EtFOSAA**



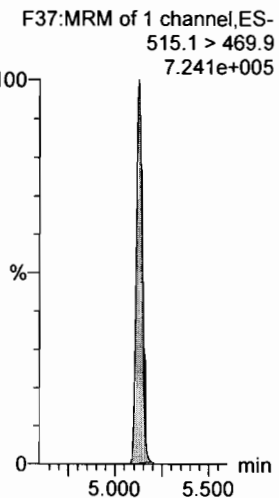
**PFUdA**



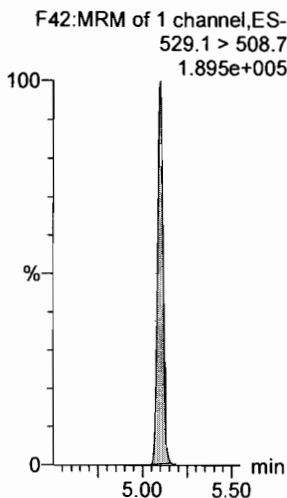
**PFDS**



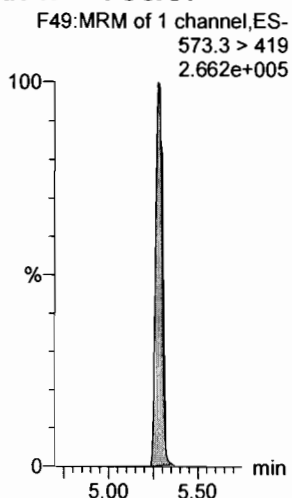
**13C2-PFDA**



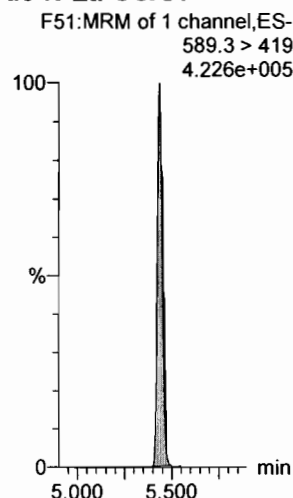
**13C2-8:2 FTS**



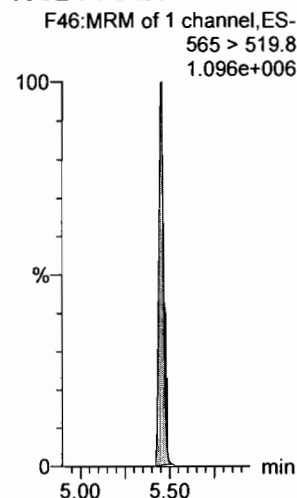
**d3-N-MeFOSAA**



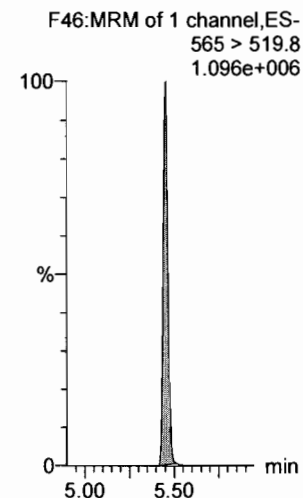
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



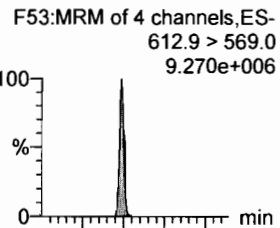
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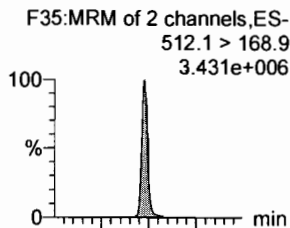
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Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

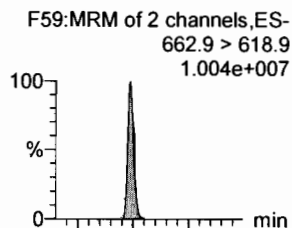
**PFDoA**



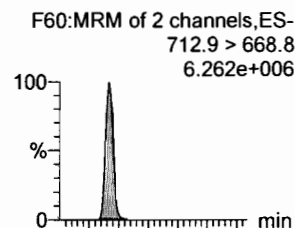
**N-MeFOSA**



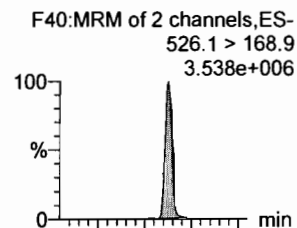
**PFTrDA**



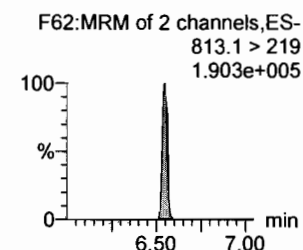
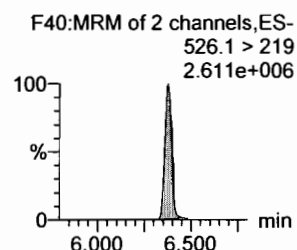
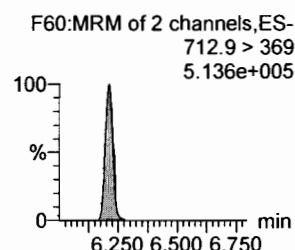
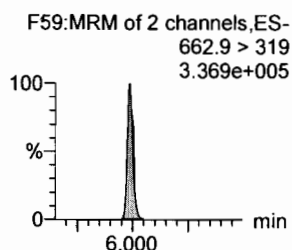
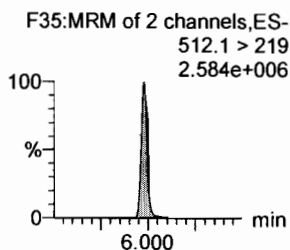
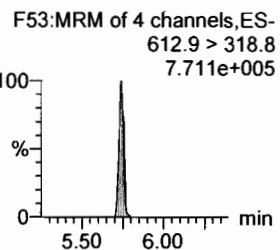
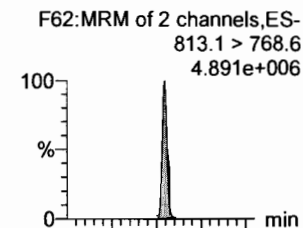
**PFTeDA**



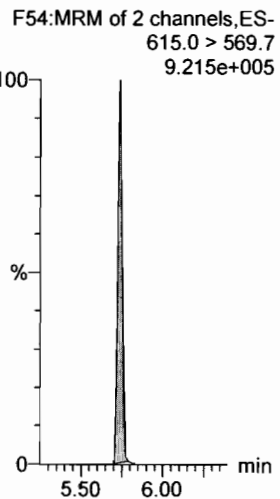
**N-EtFOSA**



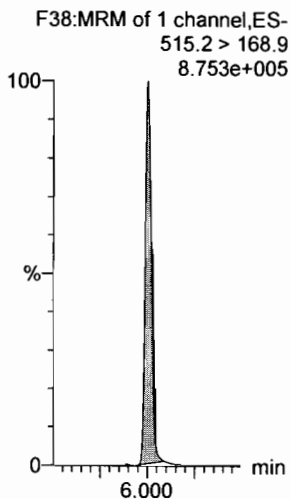
**PFHxDA**



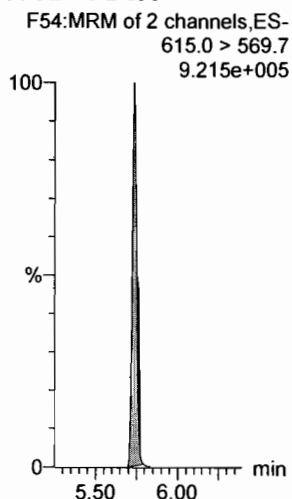
**13C2-PFDoA**



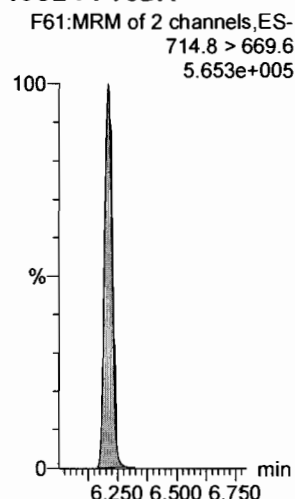
**d3-N-MeFOSA**



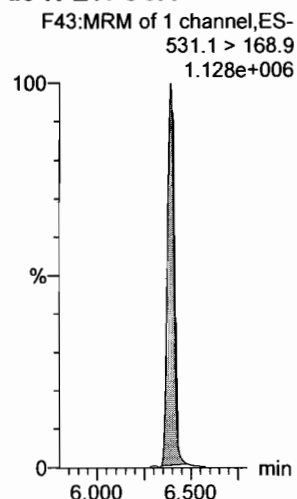
**13C2-PFDoA**



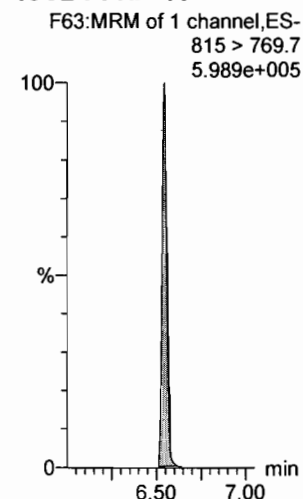
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

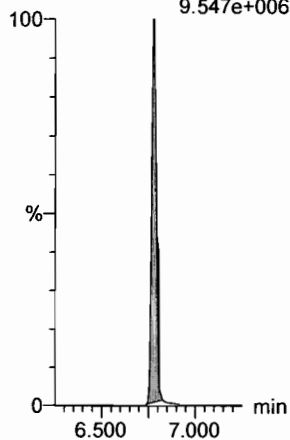
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Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

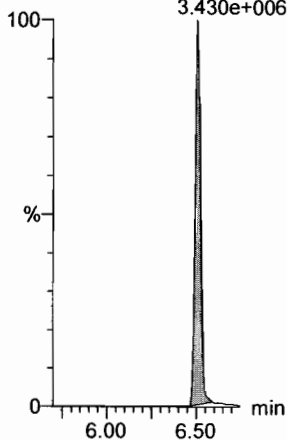
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
9.547e+006



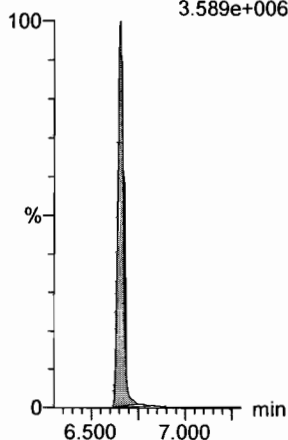
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
3.430e+006



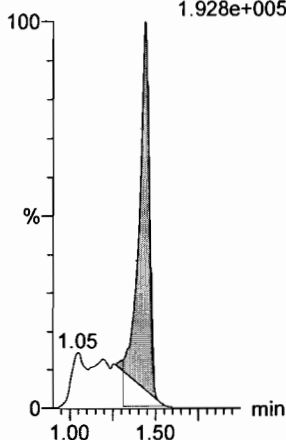
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
3.589e+006



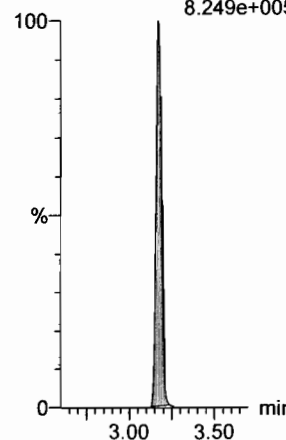
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.928e+005



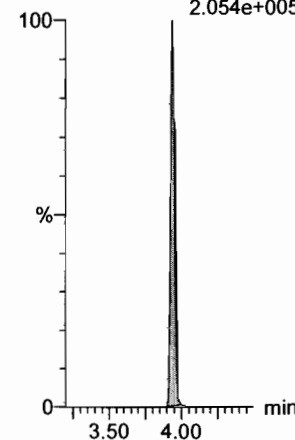
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
8.249e+005



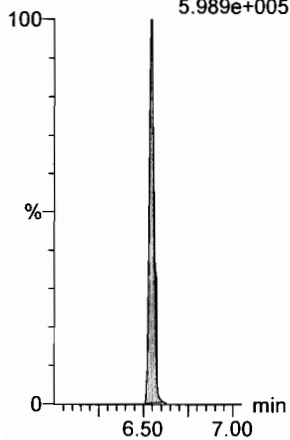
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
2.054e+005



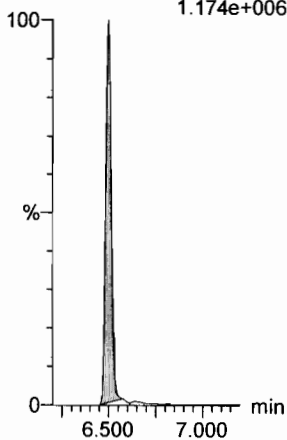
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
5.989e+005



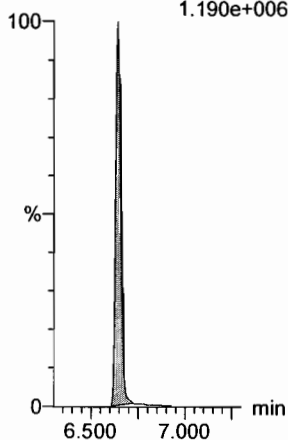
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.174e+006



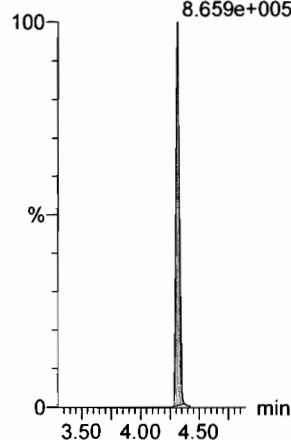
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.190e+006



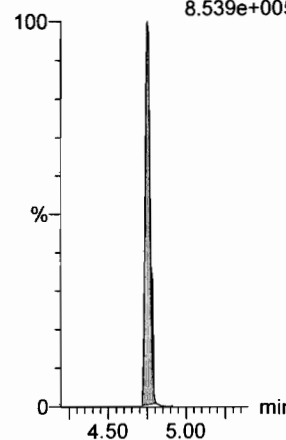
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
8.659e+005



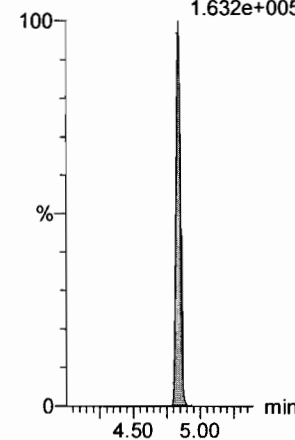
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
8.539e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.632e+005



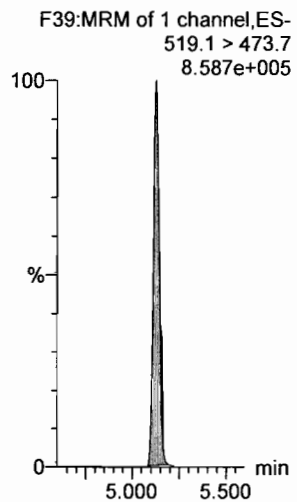
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

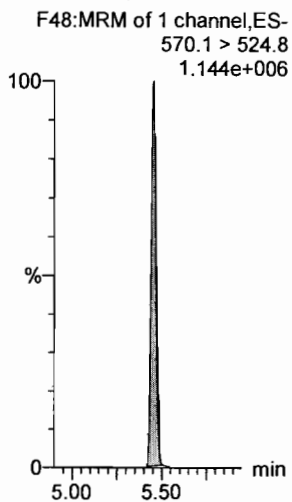
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_13, Date: 07-Mar-2018, Time: 18:18:12, ID: ST180307M1-8 PFC CS5 18C0609, Description: PFC CS5 18C0609

13C6-PFDA



13C7-PFUdA



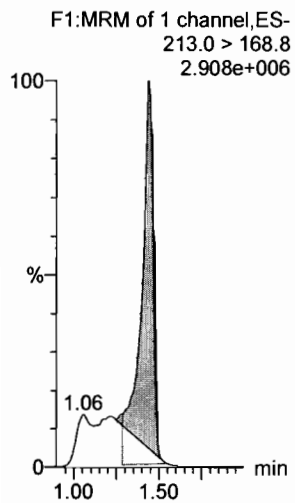
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

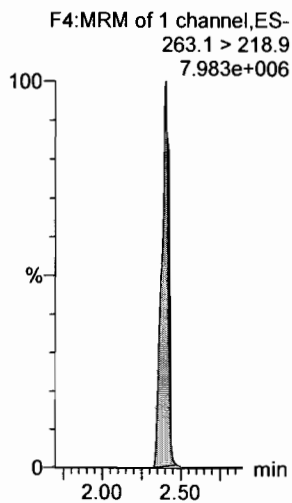
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

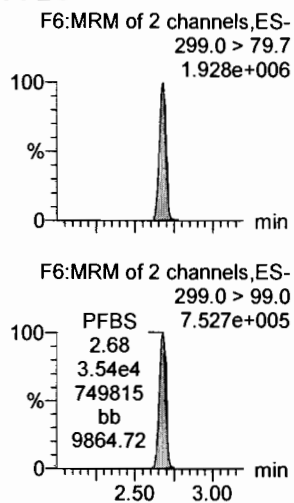
**PFBA**



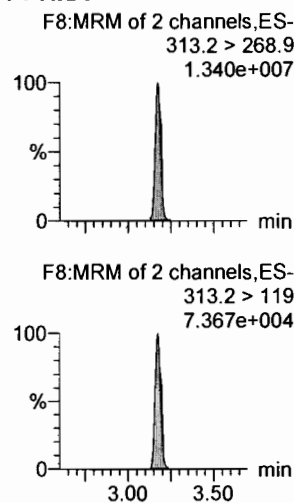
**PFPeA**



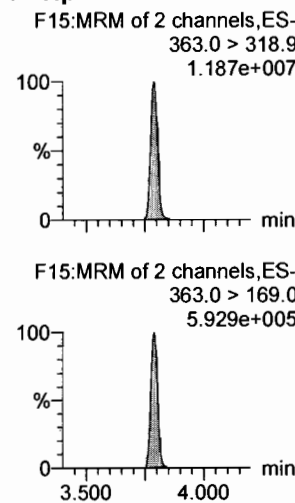
**PFBS**



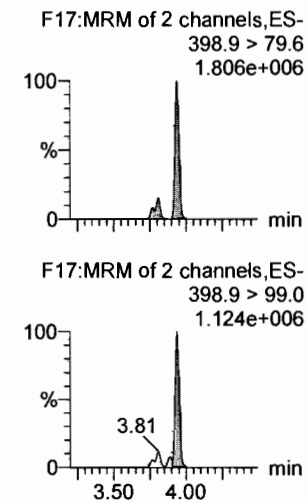
**PFHxA**



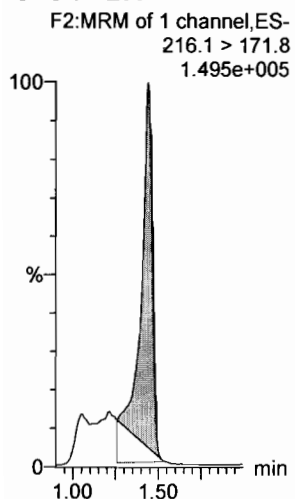
**PFHpA**



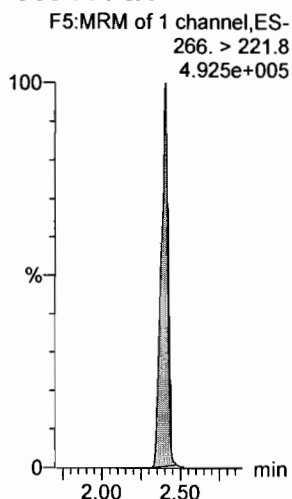
**L-PFHxS**



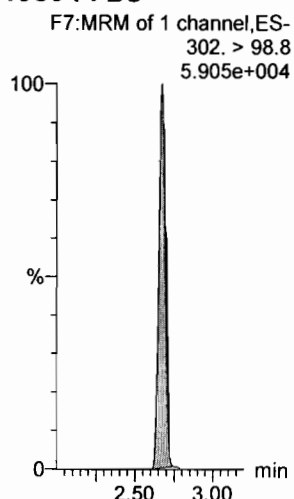
**13C3-PFBA**



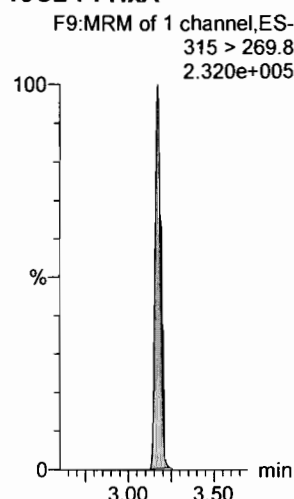
**13C3-PFPeA**



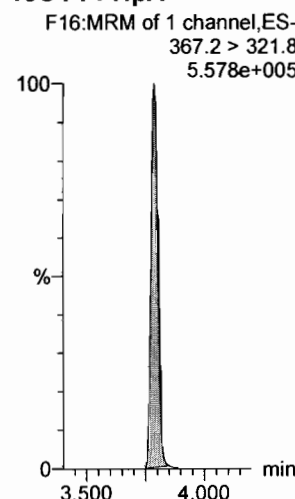
**13C3-PFBS**



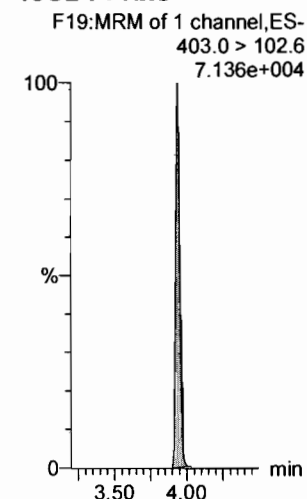
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



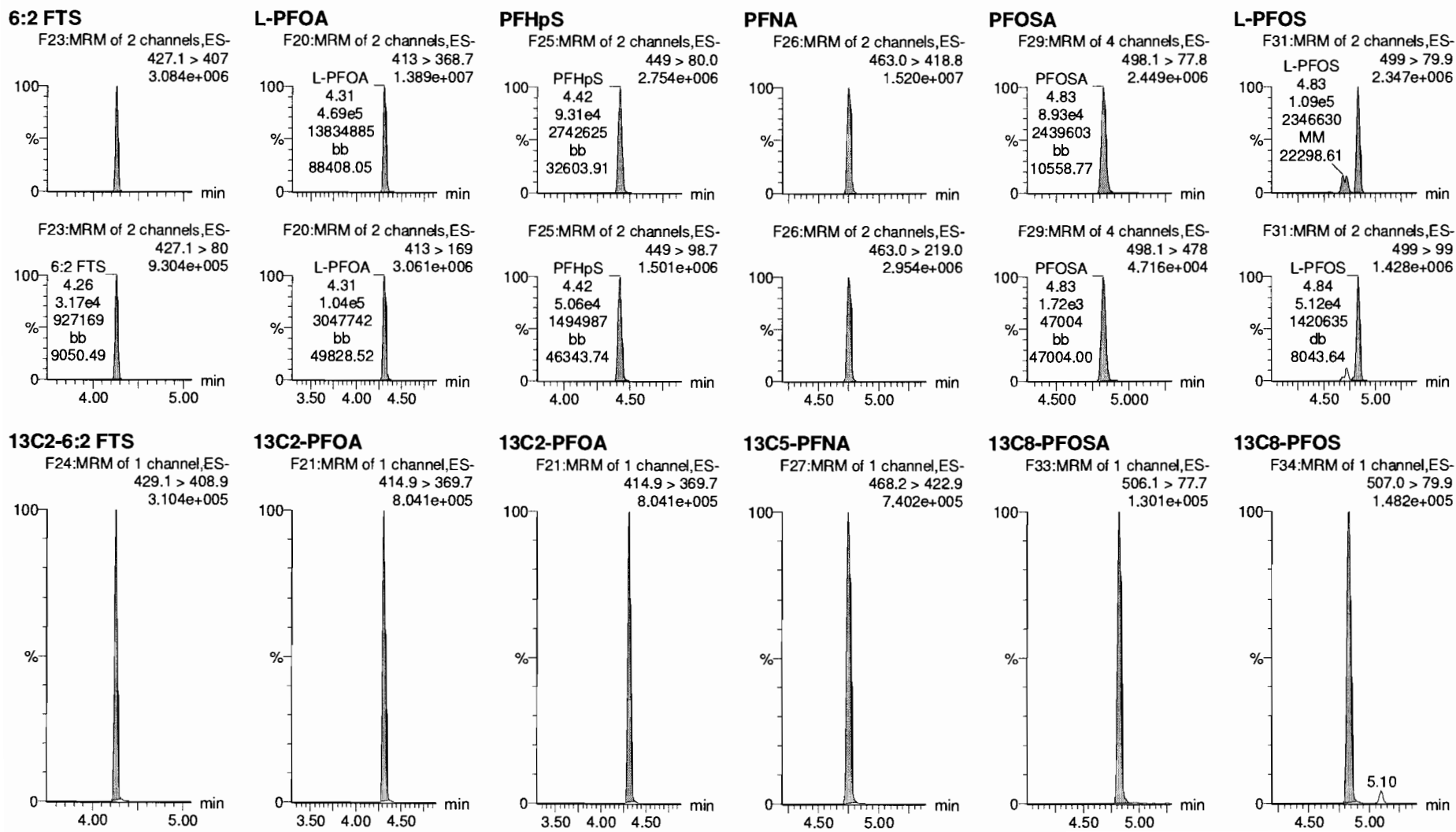


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

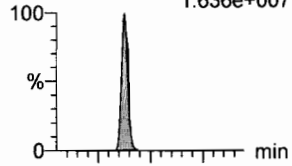
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

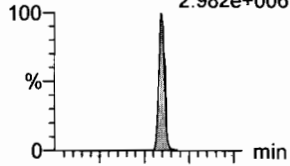
**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
1.636e+007



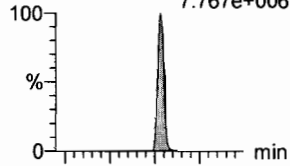
**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
2.982e+006



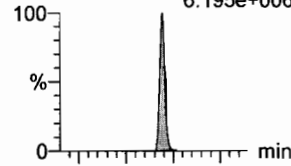
**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
7.767e+006



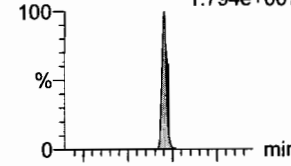
**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
6.195e+006



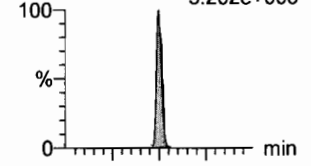
**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.794e+007

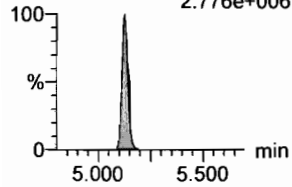


**PFDS**

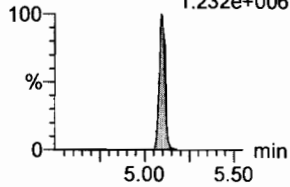
F52:MRM of 2 channels,ES-  
598.8 > 80  
3.202e+006



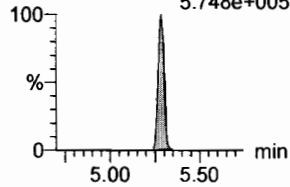
F36:MRM of 2 channels,ES-  
513 > 219  
2.776e+006



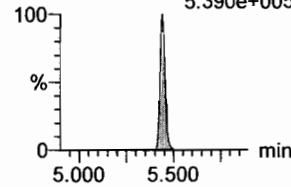
F41:MRM of 2 channels,ES-  
527 > 80  
1.232e+006



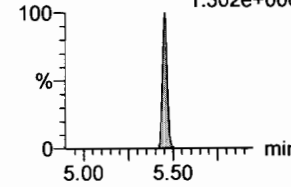
F47:MRM of 2 channels,ES-  
570.1 > 483.0  
5.748e+005



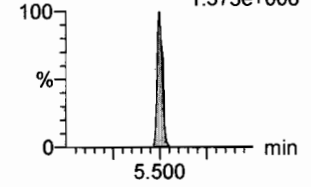
F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.390e+005



F45:MRM of 2 channels,ES-  
563.0 > 269  
1.302e+006

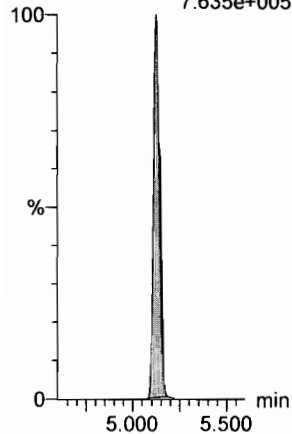


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.575e+006



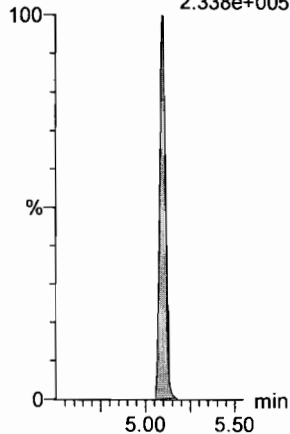
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
7.635e+005



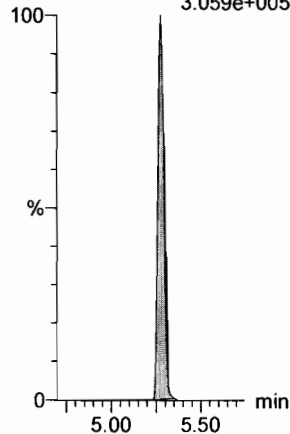
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
2.338e+005



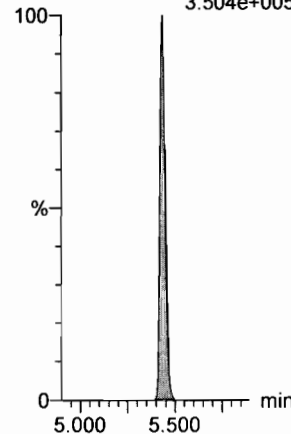
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.059e+005



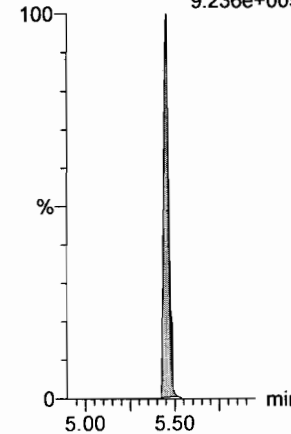
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.504e+005



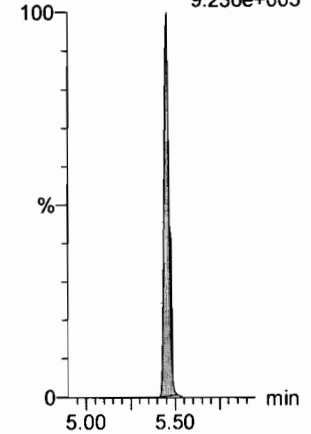
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.236e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.236e+005



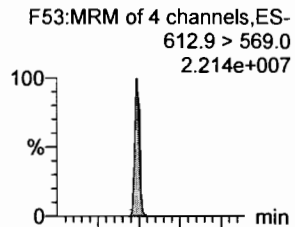
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Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

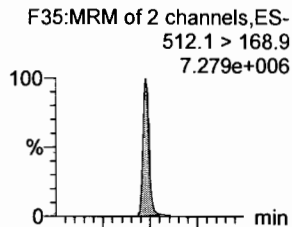
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

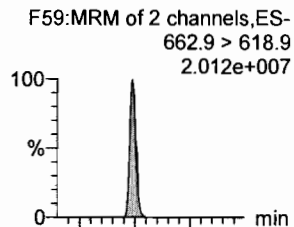
**PFD<sub>o</sub>A**



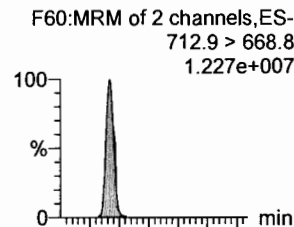
**N-MeFOSA**



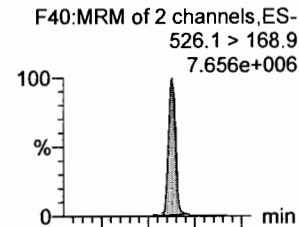
**PFT<sub>r</sub>DA**



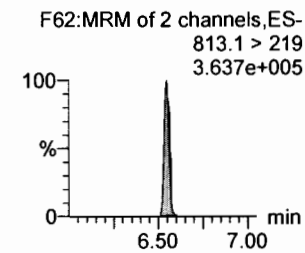
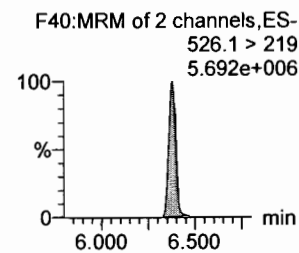
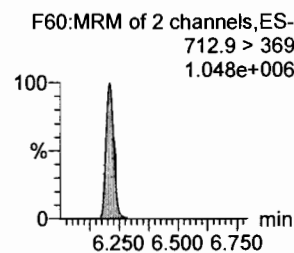
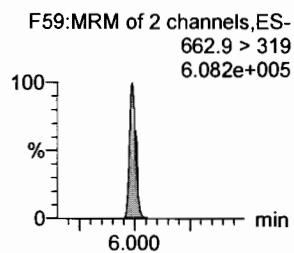
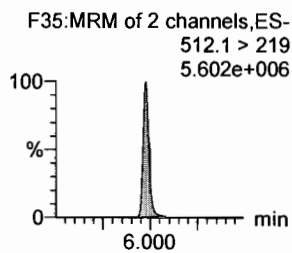
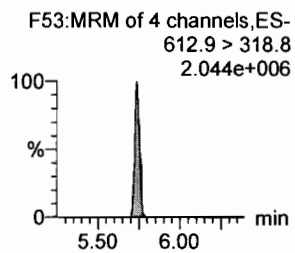
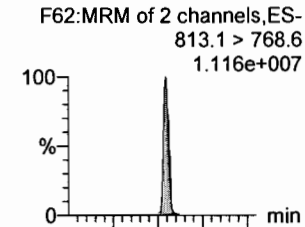
**PFT<sub>e</sub>DA**



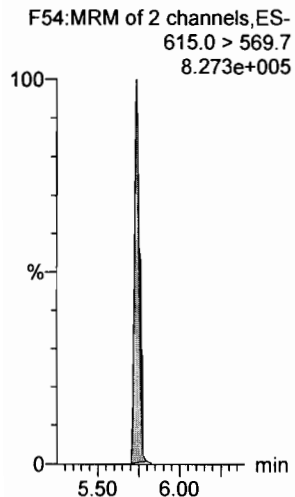
**N-EtFOSA**



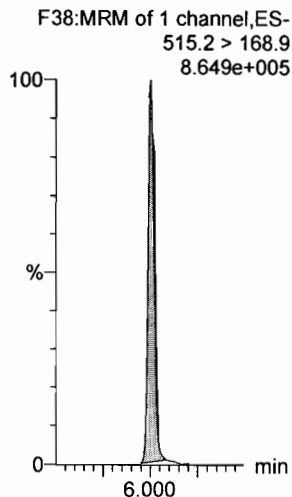
**PFH<sub>x</sub>DA**



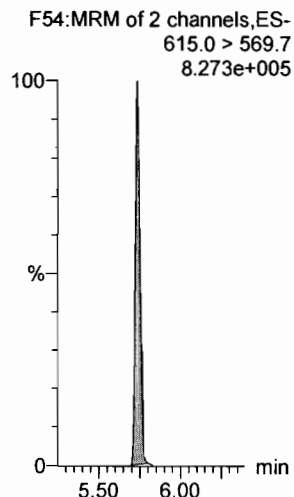
**13C2-PFD<sub>o</sub>A**



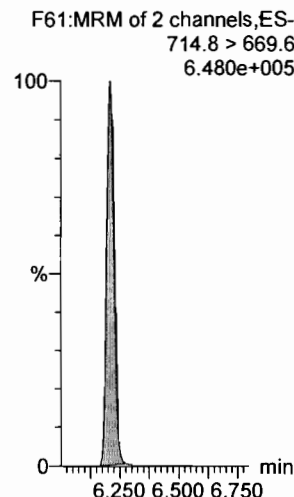
**d3-N-MeFOSA**



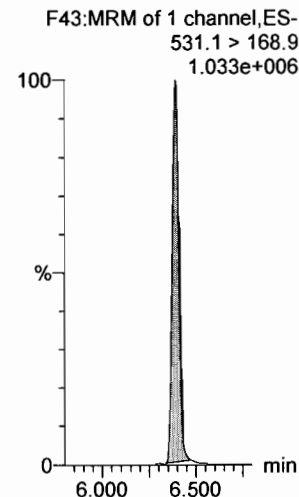
**13C2-PFD<sub>o</sub>A**



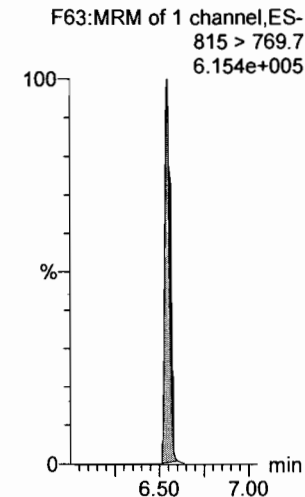
**13C2-PFT<sub>e</sub>DA**



**d5-N-ETFOSA**



**13C2-PFH<sub>x</sub>DA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

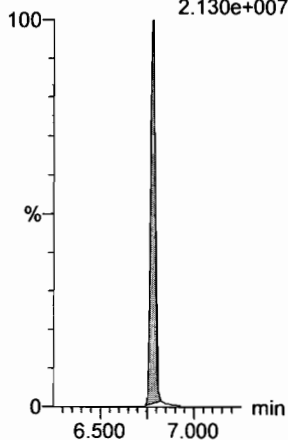
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

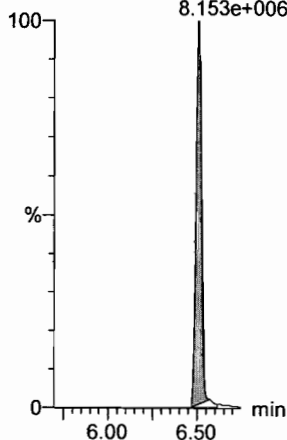
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
2.130e+007



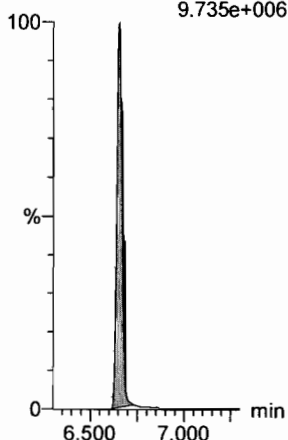
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
8.153e+006



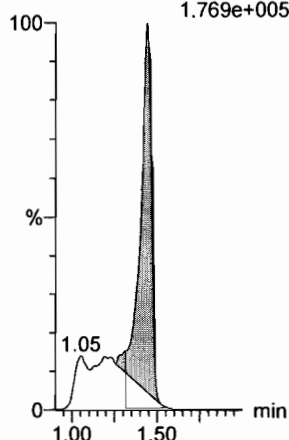
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
9.735e+006



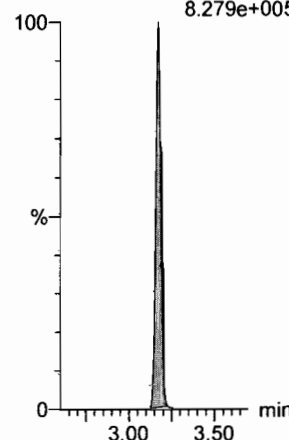
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.769e+005



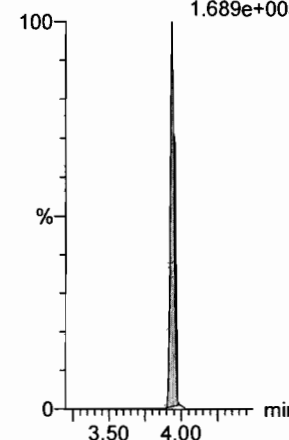
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
8.279e+005



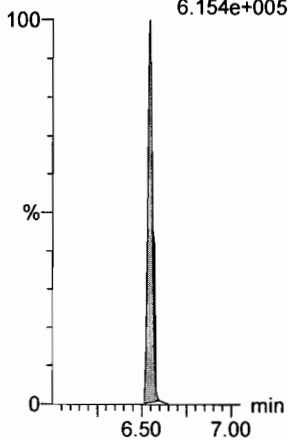
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.689e+005



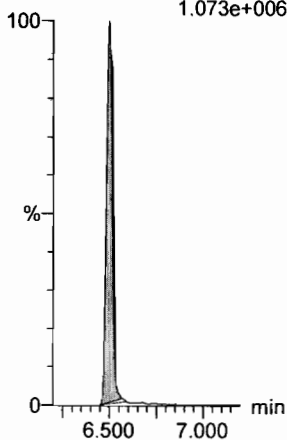
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
6.154e+005



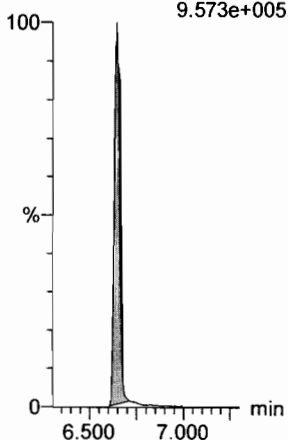
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
1.073e+006



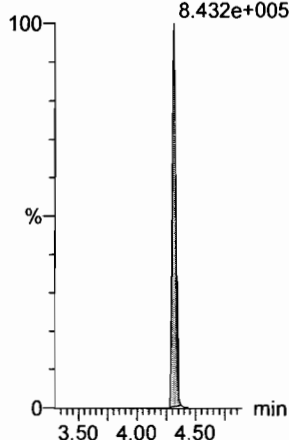
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
9.573e+005



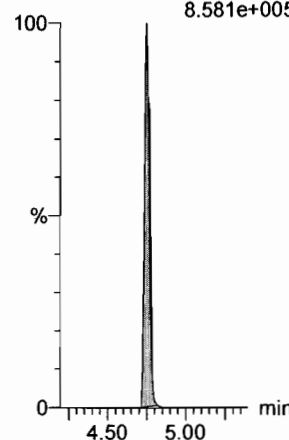
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
8.432e+005



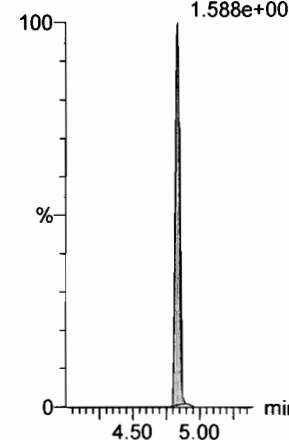
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
8.581e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.588e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

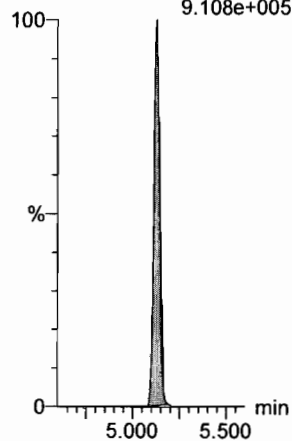
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_14, Date: 07-Mar-2018, Time: 18:29:40, ID: ST180307M1-9 PFC CS6 18C0610, Description: PFC CS6 18C0610

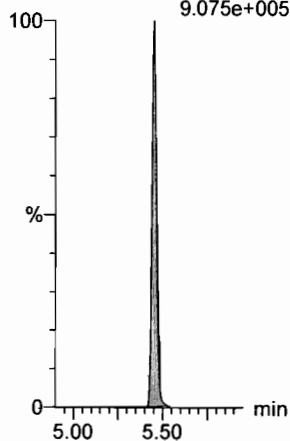
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
9.108e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
9.075e+005



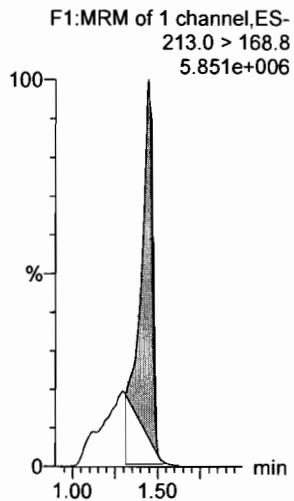
Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

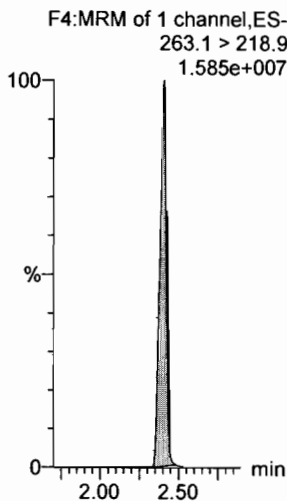
Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611

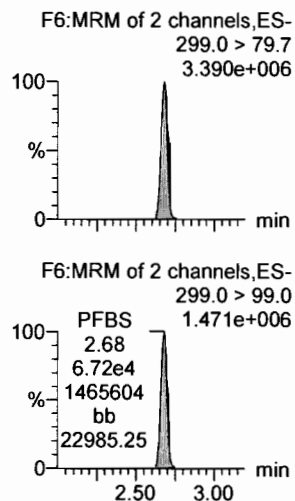
**PFBA**



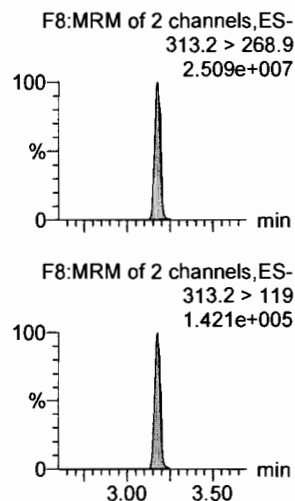
**PFPeA**



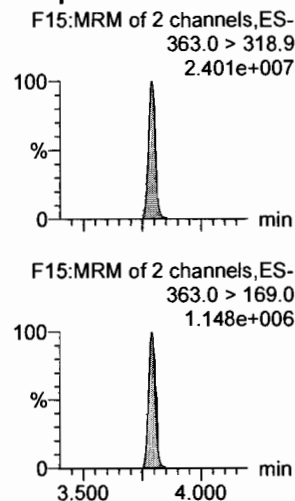
**PFBS**



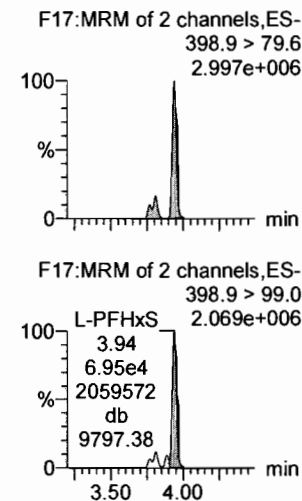
**PFHxA**



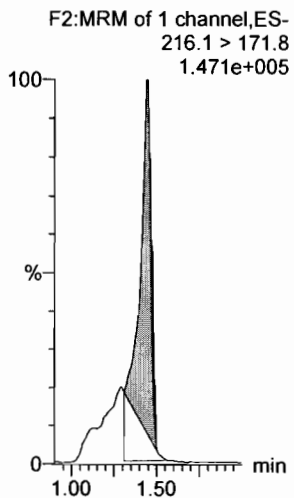
**PFHpA**



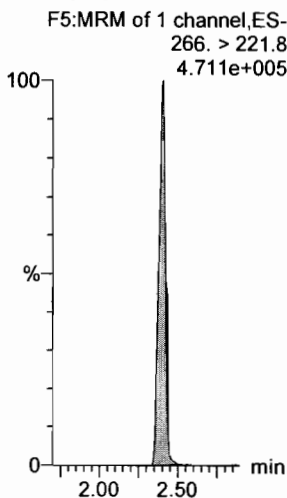
**L-PFHxS**



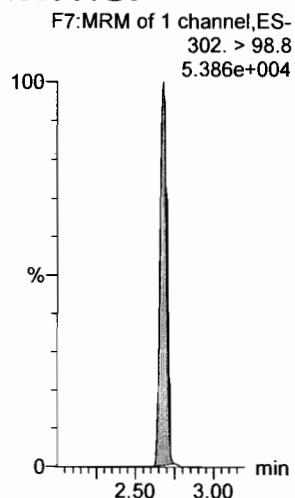
**13C3-PFBA**



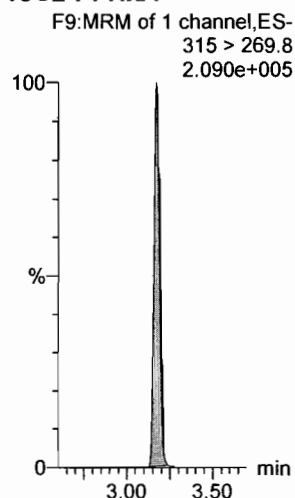
**13C3-PFPeA**



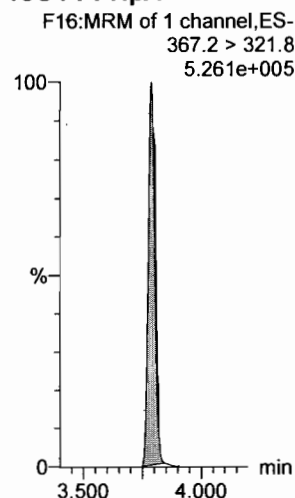
**13C3-PFBS**



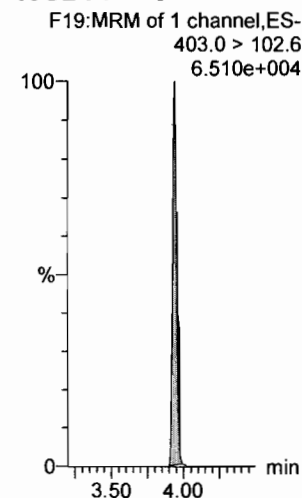
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

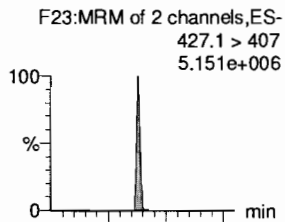


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

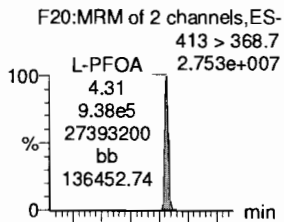
Last Altered: Thursday, March 08, 2018 11:58:33 Pacific Standard Time  
Printed: Thursday, March 08, 2018 12:01:16 Pacific Standard Time

Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611

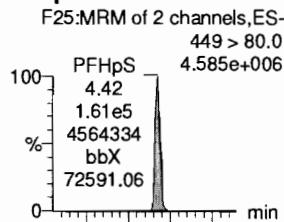
**6:2 FTS**



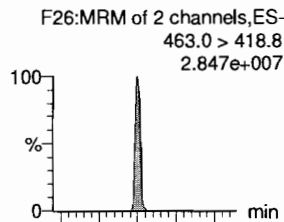
**L-PFOA**



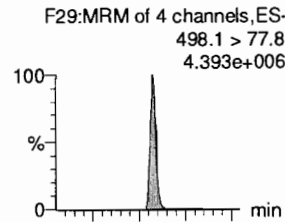
**PFHpS**



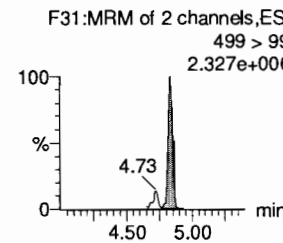
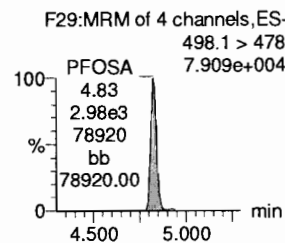
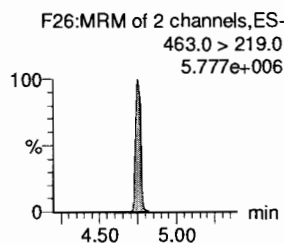
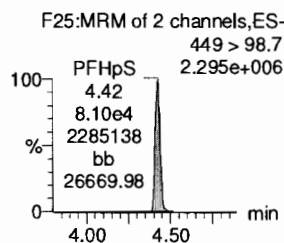
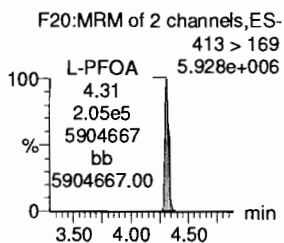
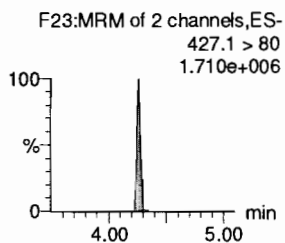
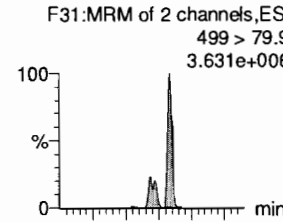
**PFNA**



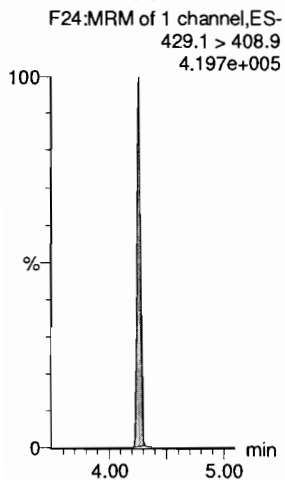
**PFOSA**



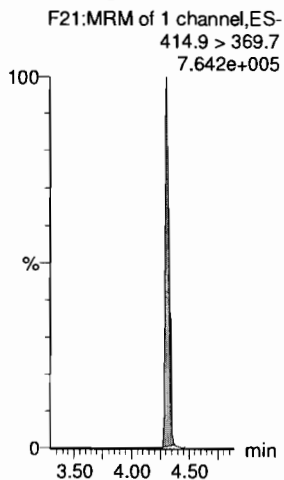
**L-PFOS**



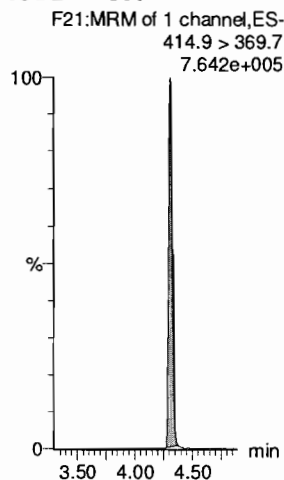
**13C2-6:2 FTS**



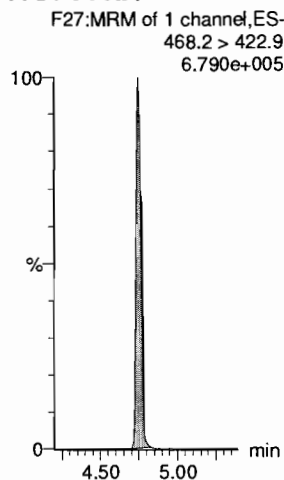
**13C2-PFOA**



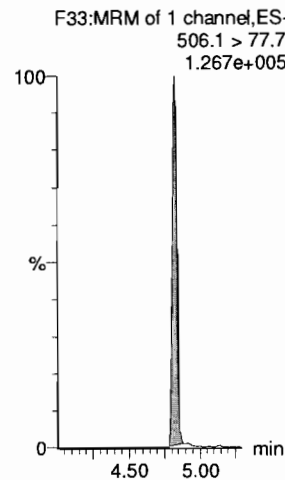
**13C2-PFOA**



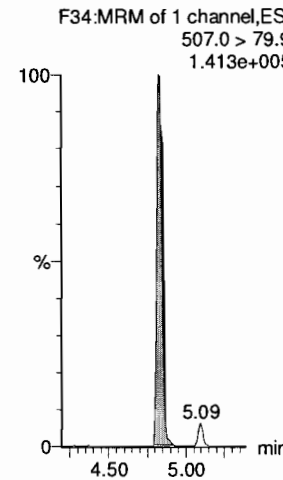
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

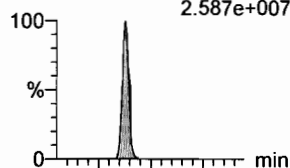
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

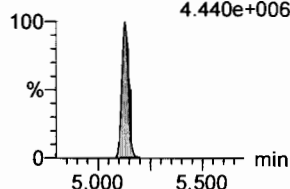
Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
2.587e+007

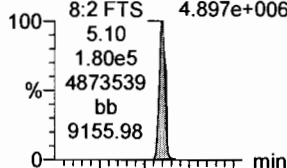


F36:MRM of 2 channels,ES-  
513 > 219  
4.440e+006

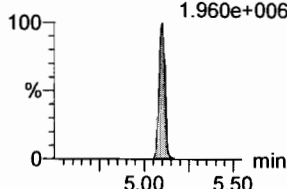


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
4.897e+006

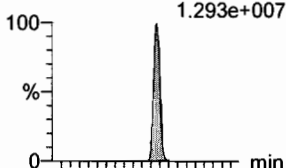


F41:MRM of 2 channels,ES-  
527 > 80  
1.960e+006

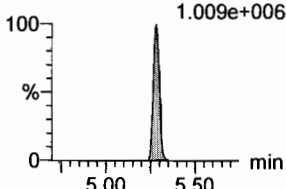


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.293e+007

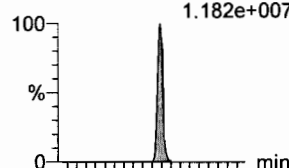


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
1.009e+006

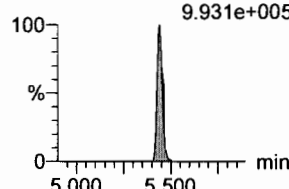


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.182e+007

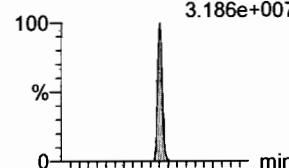


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
9.931e+005

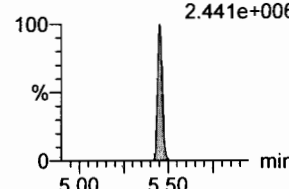


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.186e+007

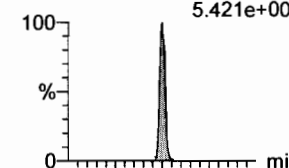


F45:MRM of 2 channels,ES-  
563.0 > 269  
2.441e+006

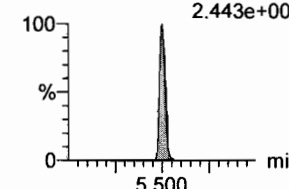


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
5.421e+006

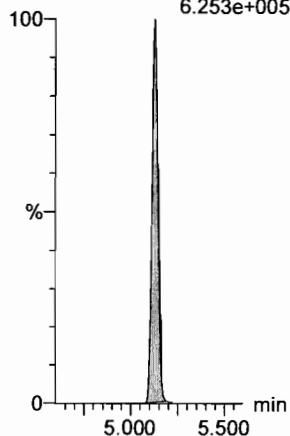


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
2.443e+006



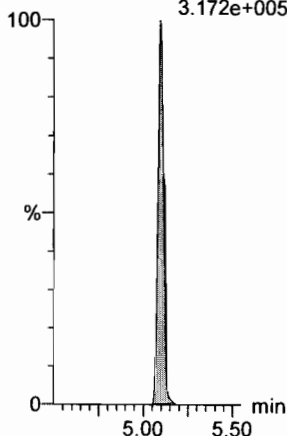
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
6.253e+005



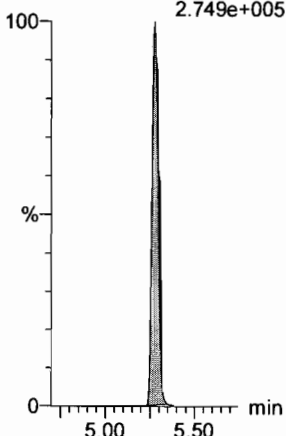
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
3.172e+005



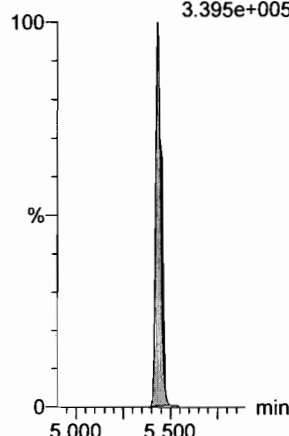
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
2.749e+005



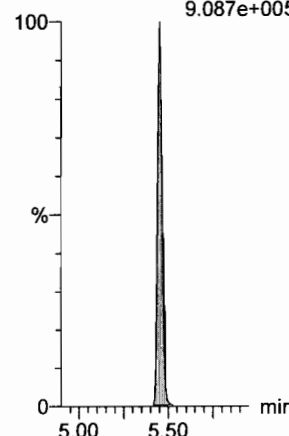
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.395e+005



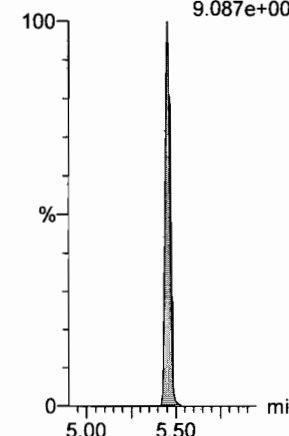
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.087e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
9.087e+005



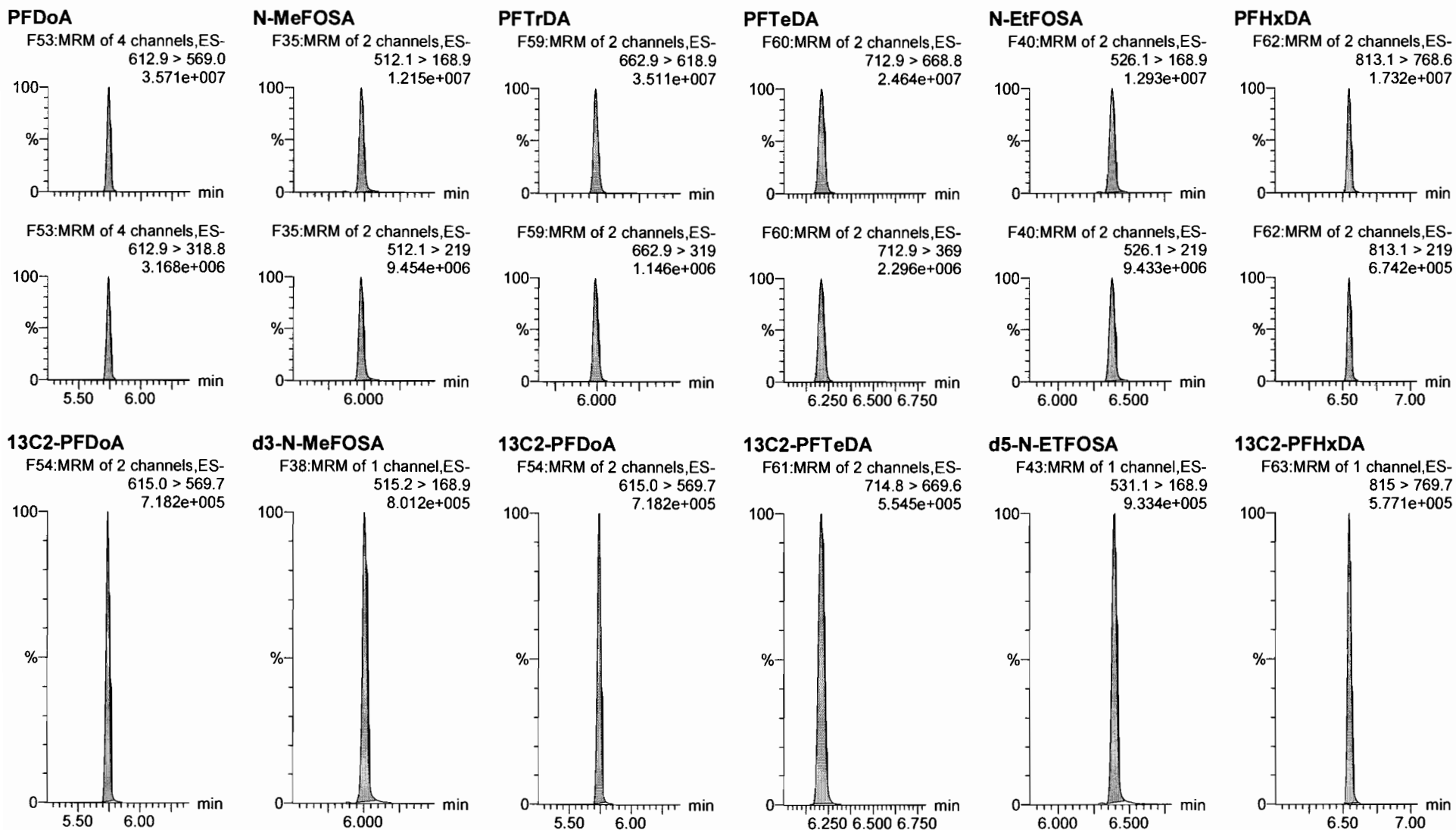


Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

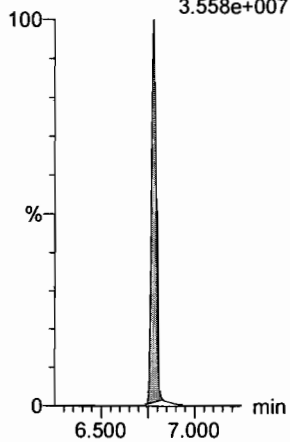
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611

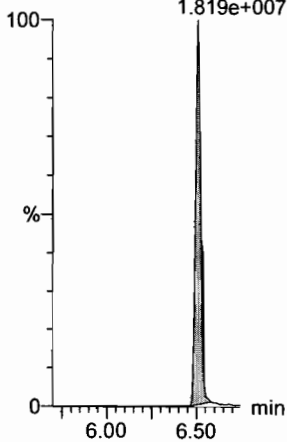
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
3.558e+007



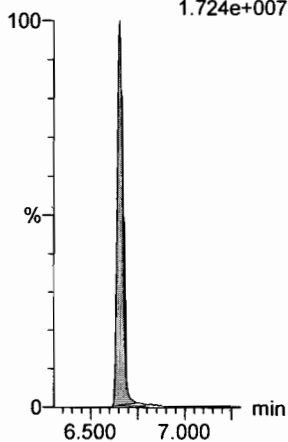
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
1.819e+007



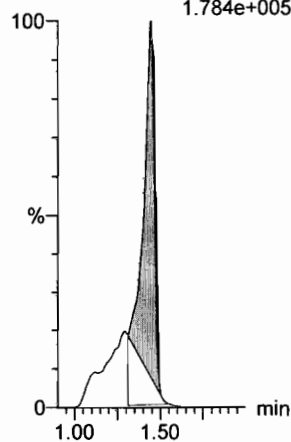
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
1.724e+007



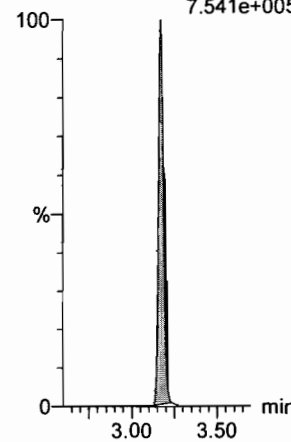
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
1.784e+005



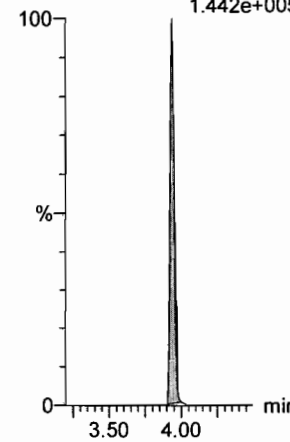
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
7.541e+005



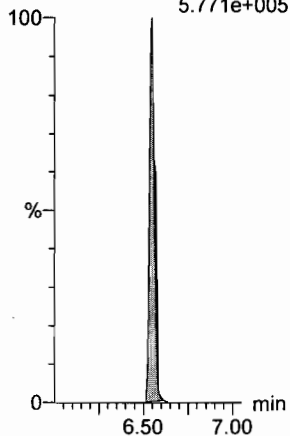
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
1.442e+005



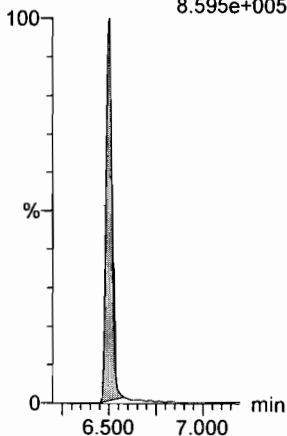
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
5.771e+005



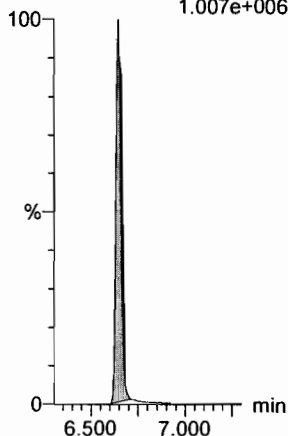
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
8.595e+005



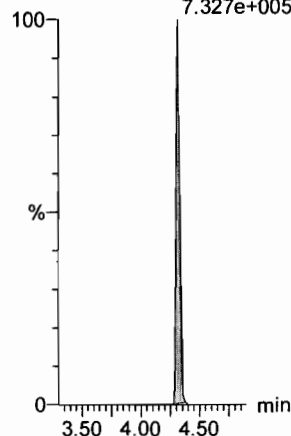
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
1.007e+006



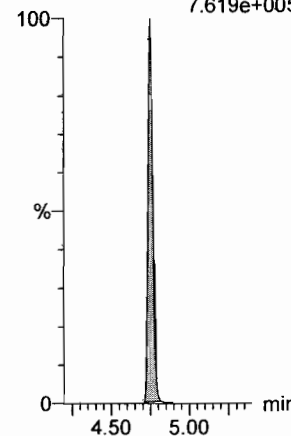
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
7.327e+005



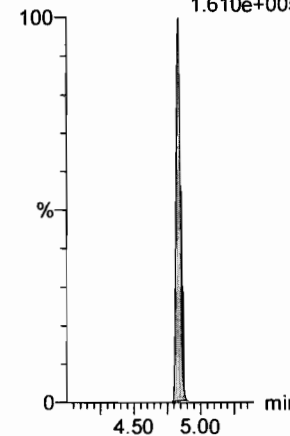
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
7.619e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
1.610e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-CRV\_B.qld

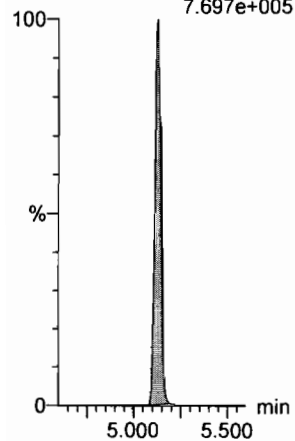
Last Altered: Thursday, March 08, 2018 11:30:49 Pacific Standard Time

Printed: Thursday, March 08, 2018 11:35:52 Pacific Standard Time

Name: 180307M1\_15, Date: 07-Mar-2018, Time: 18:41:09, ID: ST180307M1-10 PFC CS7 18C0611, Description: PFC CS7 18C0611

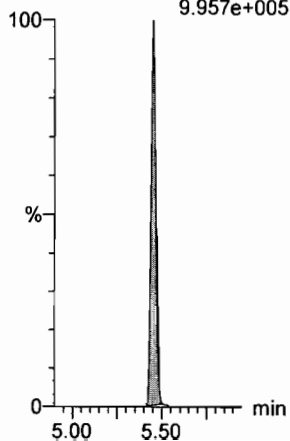
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
7.697e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
9.957e+005



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-13.qld

Last Altered: Thursday, March 08, 2018 13:09:24 Pacific Standard Time

Printed: Thursday, March 08, 2018 13:09:36 Pacific Standard Time

*WTF in (W)*

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:59:09

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 13:04:56

Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	7.26e3	9.48e3		1.73	1.44	9.56	9.50	95.0	NO	
2	2 PFPeA	263.1 > 218.9	1.52e4	2.42e4		2.70	2.41	7.86	9.58	95.8	NO	
3	3 PFBS	299.0 > 79.7	2.92e3	2.89e3		2.98	2.68	12.6	7.57	75.7	NO	
4	4 4:2 FTS	327.2>307.2	3.84e3	2.89e3		3.38	3.08	16.6	8.89	88.9	NO	
5	5 PFHxA	313.2 > 268.9	1.94e4	8.28e3		3.48	3.18	11.7	9.81	98.1	NO	
6	6 PFPeS	349.1>80.1	3.09e3	2.89e3		3.67	3.37	13.4	9.26	92.6	NO	
7	7 PFHpA	363.0 > 318.9	1.78e4	2.20e4		4.10	3.79	10.1	8.77	87.7	NO	
8	8 L-PFHxS	398.9 > 79.6	2.40e3	2.12e3		4.24	3.94	14.2	8.99	89.9	NO	
9	10 6:2 FTS	427.1 > 407	4.33e3	6.78e3		4.56	4.26	7.98	9.09	90.9	NO	
10	11 L-PFOA	413 > 368.7	2.00e4	2.75e4		4.45	4.32	9.11	10.4	104.5	NO	
11	13 PFHpS	449 > 80.0	2.94e3	2.75e4		4.71	4.43	1.34	7.99	79.9	NO	
12	14 PFNA	463.0 > 418.8	2.19e4	2.77e4		5.04	4.75	9.86	8.96	89.6	NO	
13	15 PFOSA	498.1 > 77.8	3.65e3	5.28e3		5.09	4.83	8.65	9.60	96.0	NO	
14	16 L-PFOS	499 > 79.9	3.96e3	6.08e3		5.11	4.84	8.14	7.66	76.6	NO	
15	18 PFDA	513 > 468.8	2.04e4	2.85e4		5.40	5.13	8.94	8.58	85.8	NO	
16	19 8:2 FTS	527 > 506.9	5.36e3	5.70e3		5.38	5.10	11.8	9.94	99.4	NO	
17	20 PFNS	549.1>80.1	2.83e3	6.08e3		5.46	5.19	5.82	7.01	70.1	NO	
18	21 N-MeFOSAA	570.1 > 419	1.20e4	1.30e4		5.55	5.28	11.6	8.37	83.7	NO	
19	22 N-EtFOSAA	584.2 > 419	9.46e3	1.19e4		5.70	5.44	9.92	11.1	111.3	NO	
20	23 PFUdA	563.0 > 518.9	2.15e4	3.24e4		5.72	5.45	8.31	8.47	84.7	NO	
21	24 PFDS	598.8 > 80	4.14e3	3.24e4		5.76	5.50	1.60	8.56	85.6	NO	
22	25 PFDaA	612.9 > 569.0	2.46e4	2.66e4		5.99	5.74	11.5	9.13	91.3	NO	
23	26 N-MeFOSA	512.1 > 168.9		3.24e4		5.93				82.2	NO	
24	27 PFTTrDA	662.9 > 618.9	2.20e4	2.66e4		6.22	5.99	10.3	8.22	82.2	NO	
25	28 PFTeDA	712.9 > 668.8	2.22e4	2.09e4		6.41	6.21	13.3	9.19	91.9	NO	
26	29 N-EtFOSA	526.1 > 168.9		4.75e4		6.25				NO	NO	
27	30 PFHxDA	813.1 > 768.6		1.59e4		6.69				NO	NO	
28	31 PFODA	913.1 > 868.8		1.59e4		6.90				NO	NO	
29	32 N-MeFOSE	616.1 > 58.9		3.65e4		6.31				NO	NO	
30	33 N-EtFOSE	630.1 > 58.9		2.75e4		6.45				NO	NO	
31	34 13C3-PFBA	216.1 > 171.8	9.48e3	1.25e4	0.829	1.73	1.44	9.45	11.4	91.2	NO	

*ⓐ*  
*ⓑ*

*✓ WAF 3/8/18*  
*QW*  
*3/10/18*

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-13.qld

Last Altered: Thursday, March 08, 2018 13:09:24 Pacific Standard Time

Printed: Thursday, March 08, 2018 13:09:36 Pacific Standard Time

Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	2.42e4	3.13e4	0.814	2.70	2.41	9.64	11.8	94.7	NO
33	36 13C3-PFBS	302. > 98.8	2.89e3	3.13e4	0.096	2.98	2.68	1.15	12.0	95.9	NO
34	37 13C2-PFHxA	315 > 269.8	8.28e3	3.13e4	0.697	3.48	3.18	3.31	4.74	94.8	NO
35	38 13C4-PFHpA	367.2 > 321.8	2.20e4	3.13e4	0.683	4.10	3.79	8.78	12.8	102.7	NO
36	39 18O2-PFHxS	403.0 > 102.6	2.12e3	6.80e3	0.387	4.24	3.94	3.89	10.0	80.4	NO
37	40 13C2-6:2 FTS	429.1 > 408.9	6.78e3	2.48e4	0.238	4.56	4.26	3.41	14.4	114.8	NO
38	41 13C2-PFOA	414.9 > 369.7	2.75e4	2.48e4	1.079	4.61	4.32	13.8	12.8	102.4	NO
39	42 13C5-PFNA	468.2 > 422.9	2.77e4	3.40e4	0.853	5.04	4.75	10.2	11.9	95.4	NO
40	43 13C8-PFOSA	506.1 > 77.7	5.28e3	3.53e4	0.159	5.09	4.83	1.87	11.7	93.7	NO
41	44 13C8-PFOS	507.0 > 79.9	6.08e3	6.57e3	0.934	5.11	4.84	11.6	12.4	99.0	NO
42	45 13C2-PFDA	515.1 > 469.9	2.85e4	2.77e4	0.898	5.40	5.13	12.8	14.3	114.3	NO
43	46 13C2-8:2 FTS	529.1 > 508.7	5.70e3	3.13e4	0.170	5.38	5.10	2.27	13.4	107.1	NO
44	47 d3-N-MeFOSAA	573.3 > 419	1.30e4	3.53e4	0.372	5.55	5.28	4.59	12.3	98.6	NO
45	48 d5-N-EtFOSAA	589.3 > 419	1.19e4	3.53e4	0.385	5.70	5.44	4.22	11.0	87.7	NO
46	49 13C2-PFUdA	565 > 519.8	3.24e4	3.53e4	0.961	5.72	5.45	11.5	11.9	95.5	NO
47	50 13C2-PFDoA	615.0 > 569.7	2.66e4	3.53e4	0.864	5.99	5.74	9.43	10.9	87.4	NO
48	51 d3-N-MeFOSA	515.2 > 168.9	3.24e4	3.53e4	0.080	5.93	6.00	11.5	144	96.0	NO
49	52 13C2-PFTeDA	714.8 > 669.6	2.09e4	3.53e4	0.692	6.41	6.21	7.39	10.7	85.4	NO
50	53 d5-N-ETFOSA	531.1 > 168.9	4.75e4	3.53e4	0.113	6.25	6.40	16.8	148	98.9	NO
51	54 13C2-PFHxDA	815 > 769.7	1.59e4	3.53e4	1.397	6.69	6.55	5.62	4.02	80.5	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	3.65e4	3.53e4	0.090	6.31	6.50	12.9	144	96.2	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	2.75e4	3.53e4	0.084	6.45	6.65	9.74	116	77.3	NO
54	57 13C4-PFBA	217. > 171.8	1.25e4	1.25e4	1.000	1.73	1.44	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	3.13e4	3.13e4	1.000	3.48	3.18	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	6.80e3	6.80e3	1.000	4.24	3.94	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	2.48e4	2.48e4	1.000	4.61	4.32	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 426.9	3.40e4	3.40e4	1.000	4.70	4.75	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	6.57e3	6.57e3	1.000	5.11	4.84	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 473.7	2.77e4	2.77e4	1.000	5.40	5.13	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 524.8	3.53e4	3.53e4	1.000	5.72	5.45	12.5	12.5	100.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-13.qld

Last Altered: Thursday, March 08, 2018 13:09:24 Pacific Standard Time

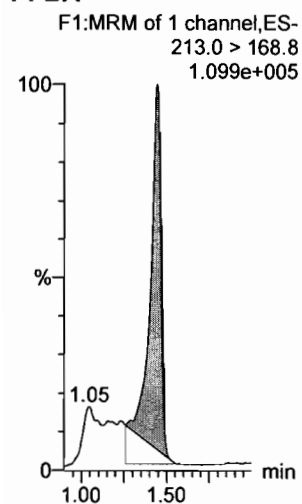
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:59:09

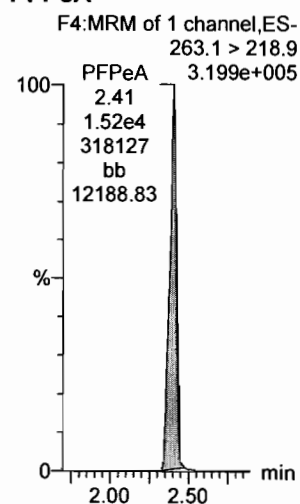
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Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

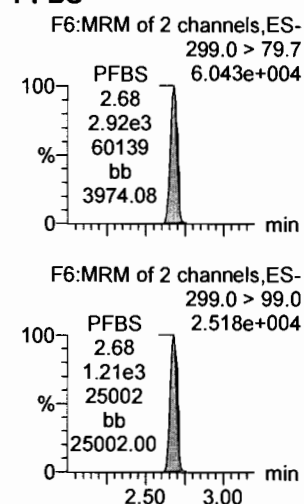
**PFBA**



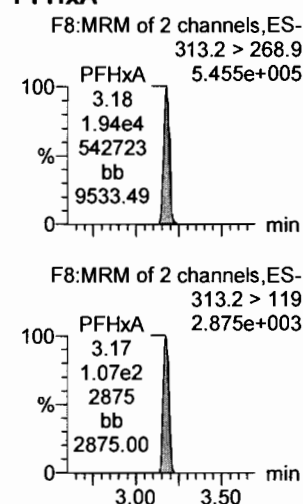
**PFPeA**



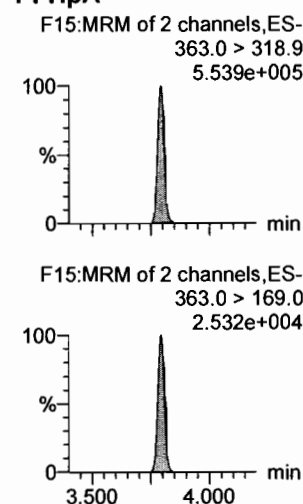
**PFBS**



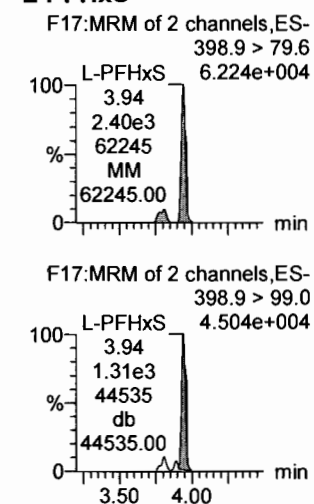
**PFHxA**



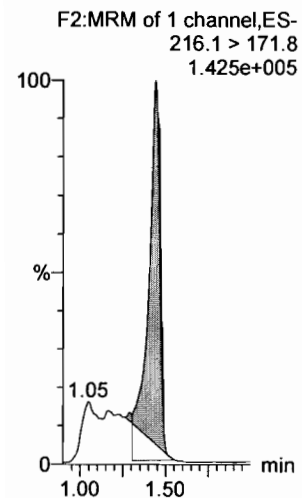
**PFHpA**



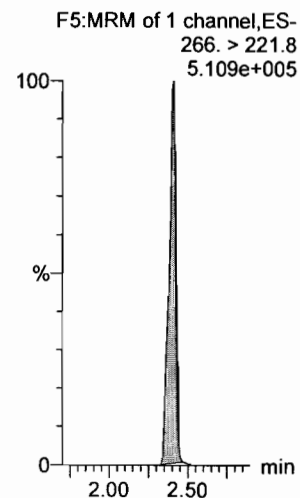
**L-PFHxS**



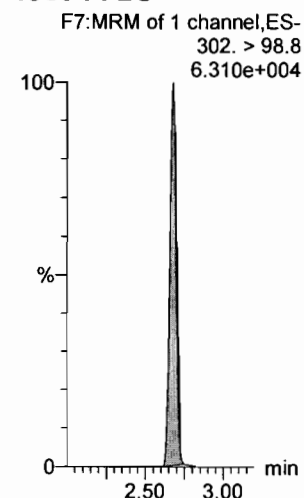
**13C3-PFBA**



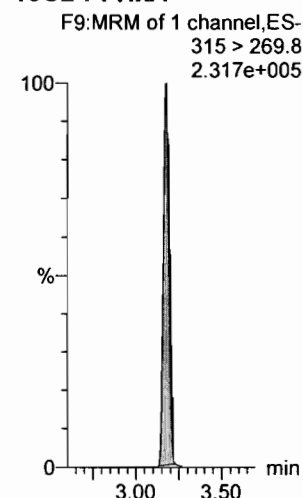
**13C3-PFPeA**



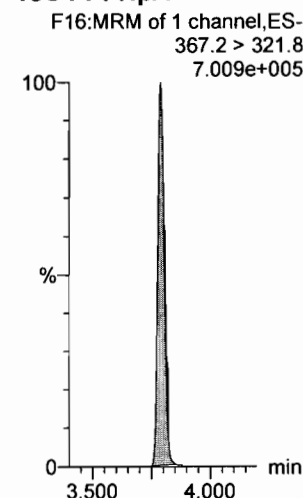
**13C3-PFBS**



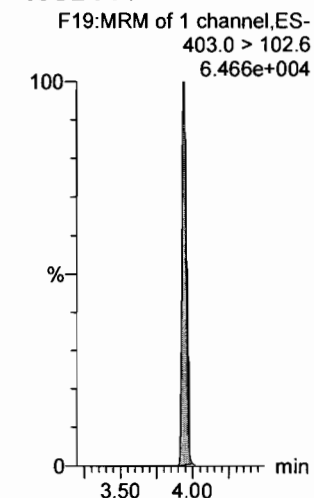
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



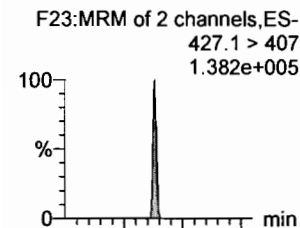
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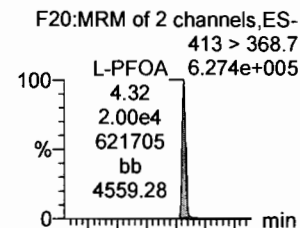
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Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

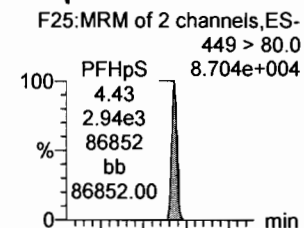
**6:2 FTS**



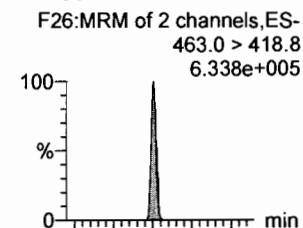
**L-PFOA**



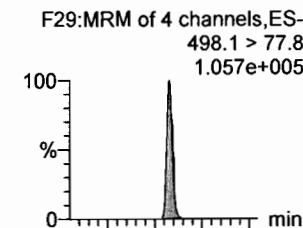
**PFHpS**



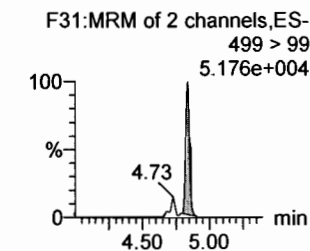
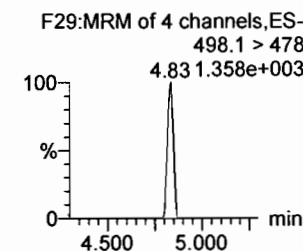
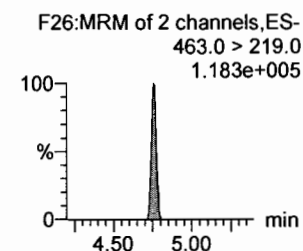
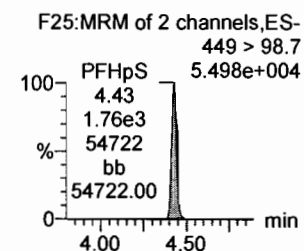
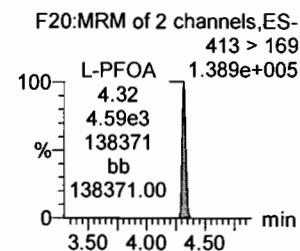
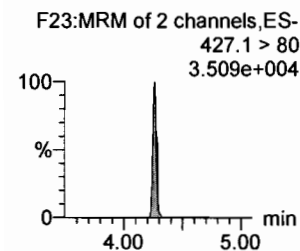
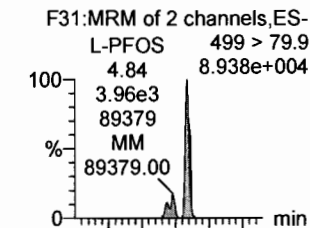
**PFNA**



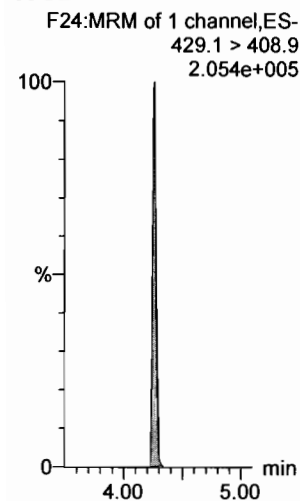
**PFOSA**



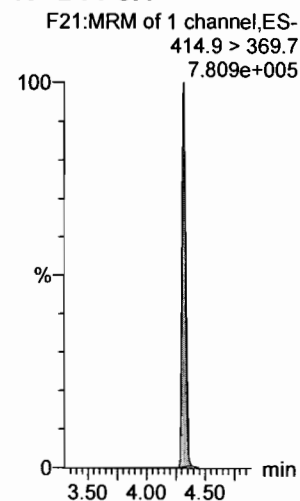
**L-PFOS**



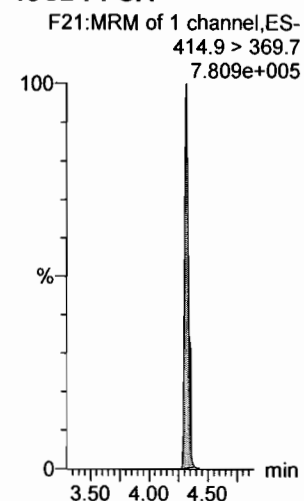
**13C2-6:2 FTS**



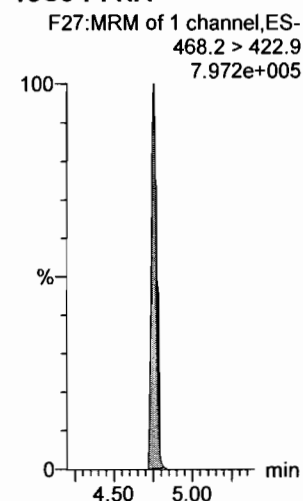
**13C2-PFOA**



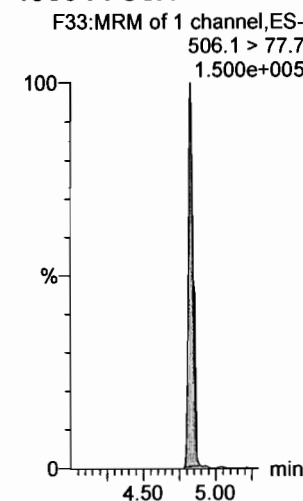
**13C2-PFOA**



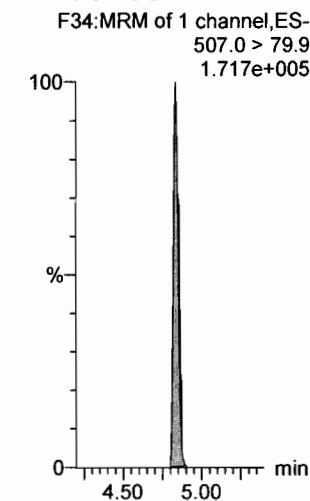
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-13.qld

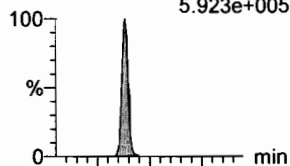
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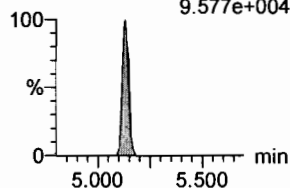
Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
5.923e+005

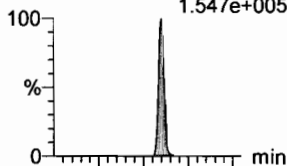


F36:MRM of 2 channels,ES-  
513 > 219  
9.577e+004

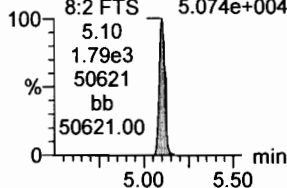


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
1.547e+005

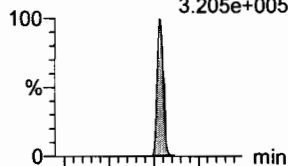


F41:MRM of 2 channels,ES-  
527 > 80  
5.074e+004

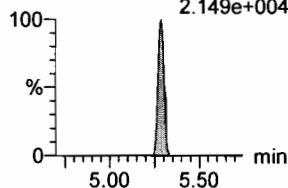


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
3.205e+005

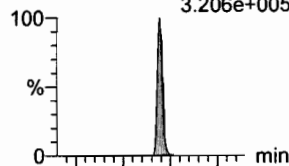


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
2.149e+004

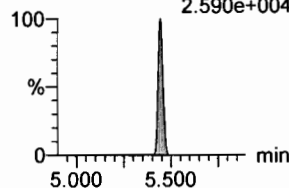


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
3.206e+005

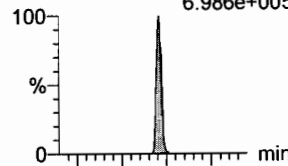


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
2.590e+004

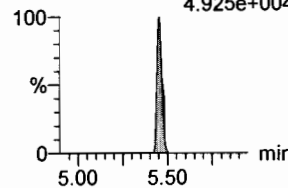


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
6.986e+005

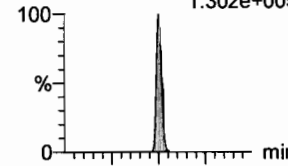


F45:MRM of 2 channels,ES-  
563.0 > 269  
4.925e+004

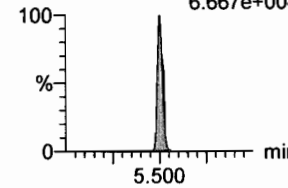


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
1.302e+005

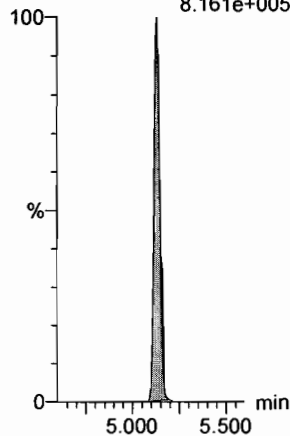


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
6.667e+004



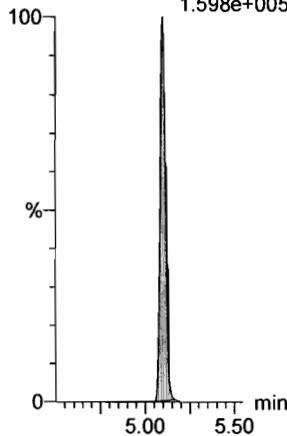
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
8.161e+005



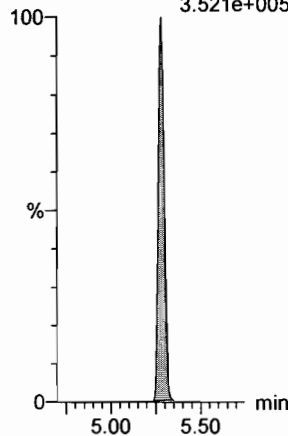
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.598e+005



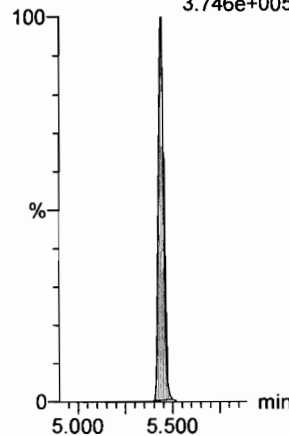
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
3.521e+005



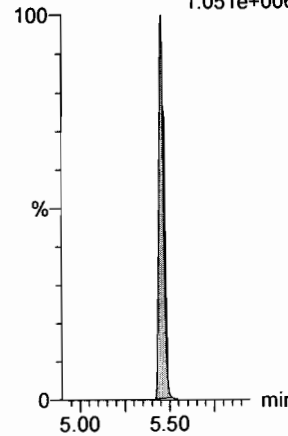
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
3.746e+005



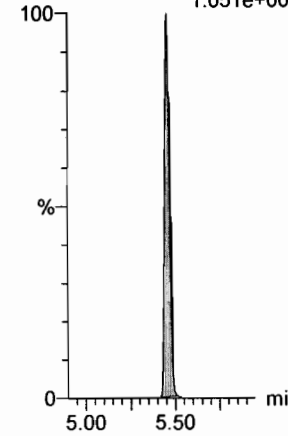
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.051e+006



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
1.051e+006



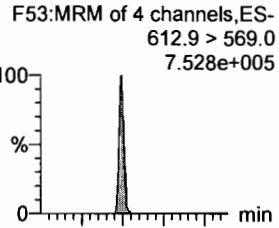


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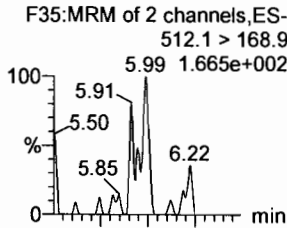
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Printed: Thursday, March 08, 2018 13:09:36 Pacific Standard Time

Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

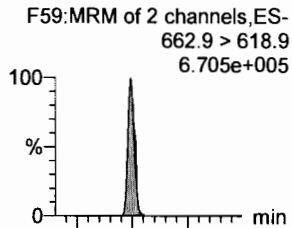
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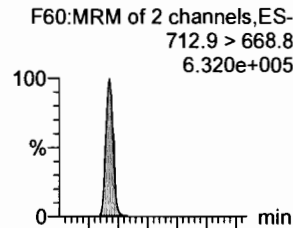
**N-MeFOSA**



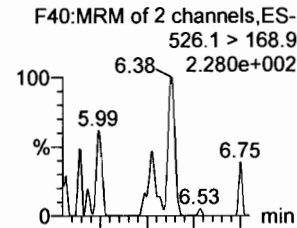
**PFTrDA**



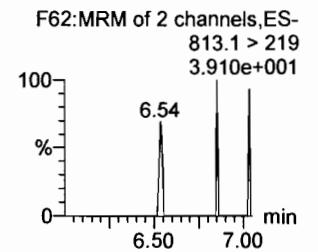
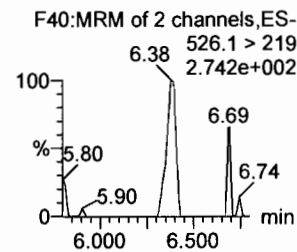
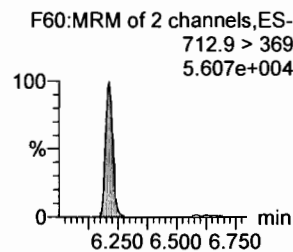
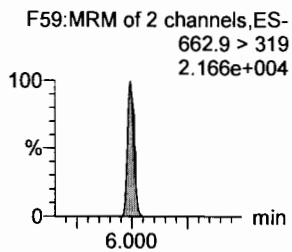
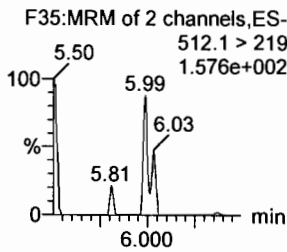
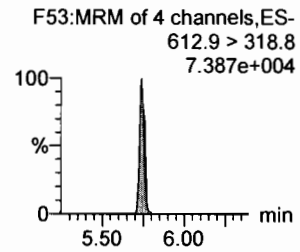
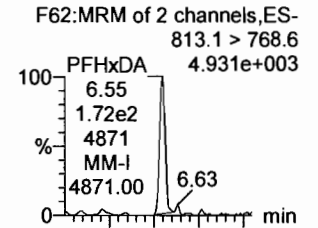
**PFTeDA**



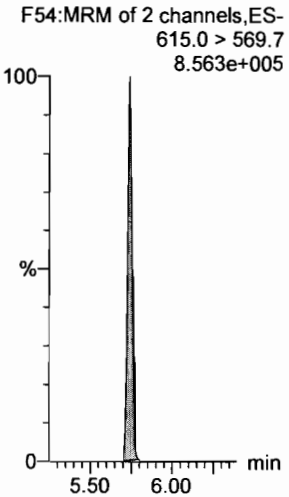
**N-EtFOSA**



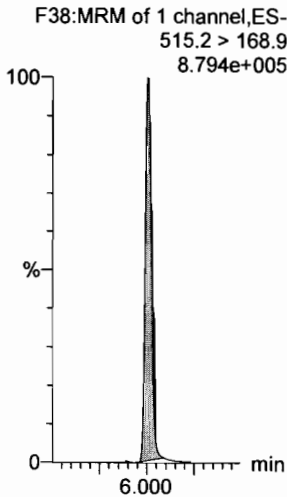
**PFHxDA**



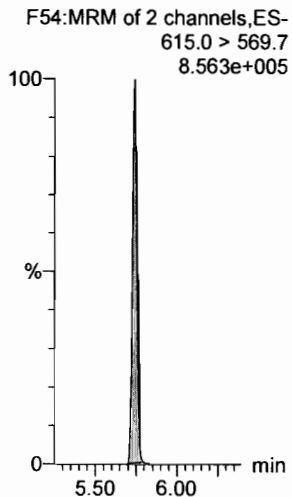
**13C2-PFDoA**



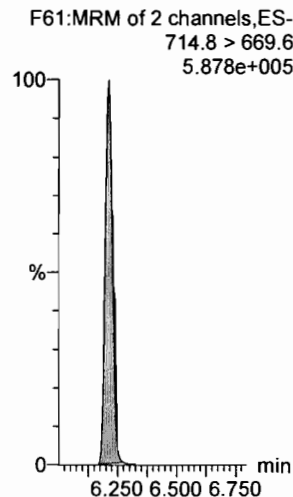
**d3-N-MeFOSA**



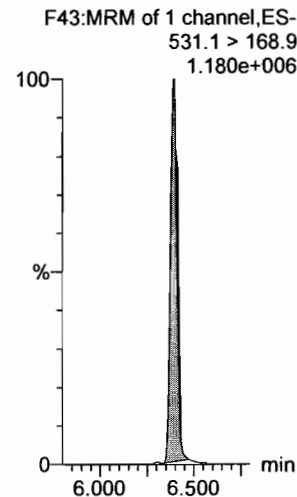
**13C2-PFDoA**



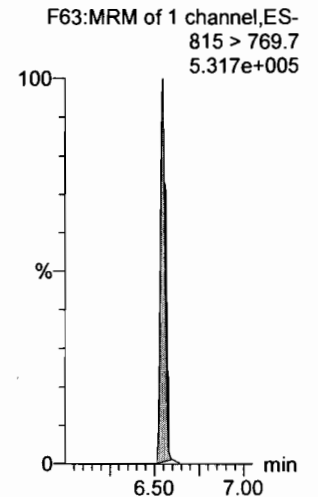
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



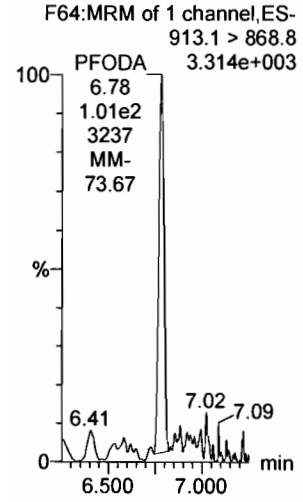
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Last Altered: Thursday, March 08, 2018 13:09:24 Pacific Standard Time

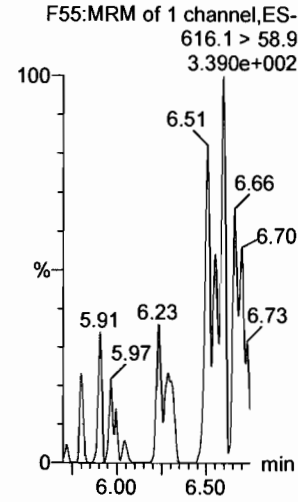
Printed: Thursday, March 08, 2018 13:09:36 Pacific Standard Time

Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

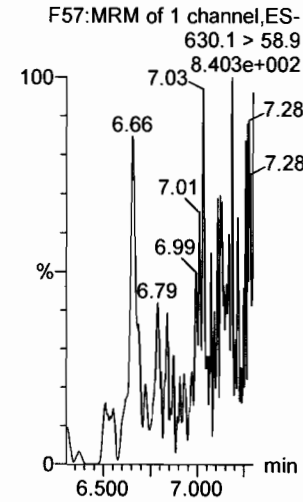
**PFODA**



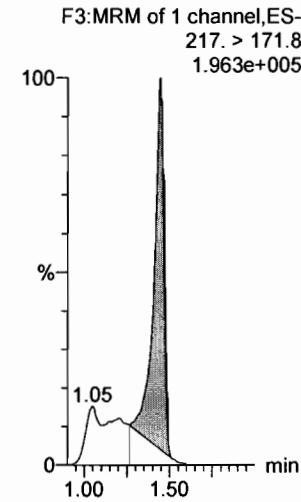
**N-MeFOSE**



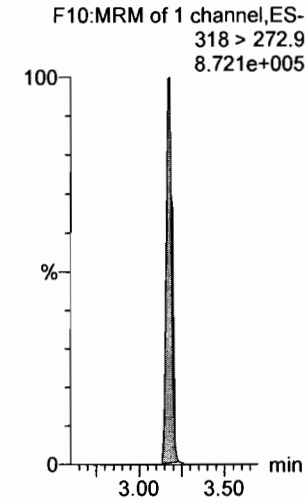
**N-EtFOSE**



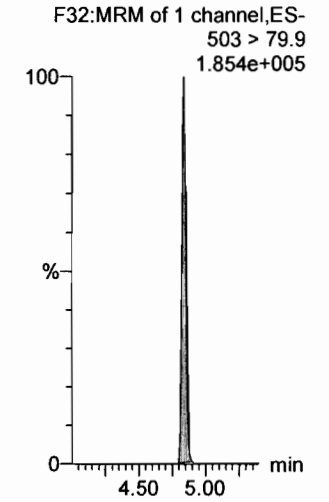
**13C4-PFBA**



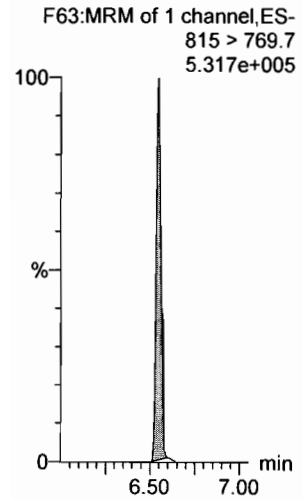
**13C5-PFHxA**



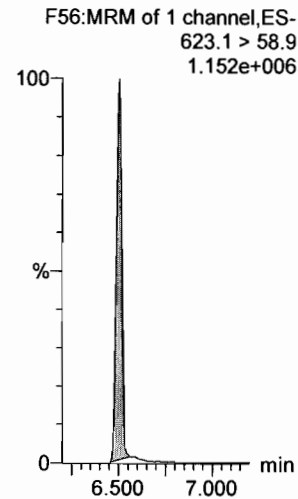
**13C4-PFOS**



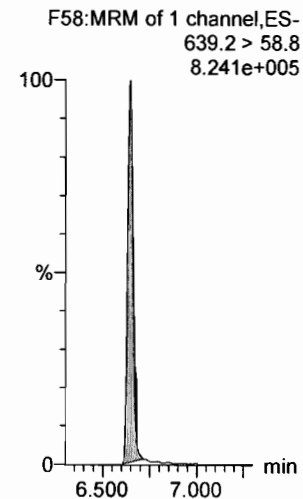
**13C2-PFHxDA**



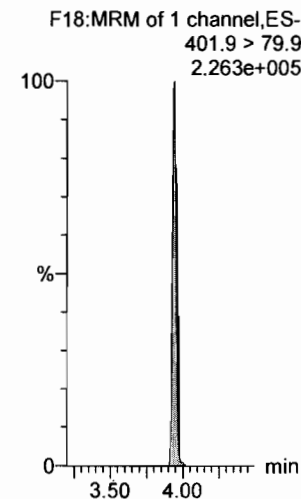
**d7-N-MeFOSE**



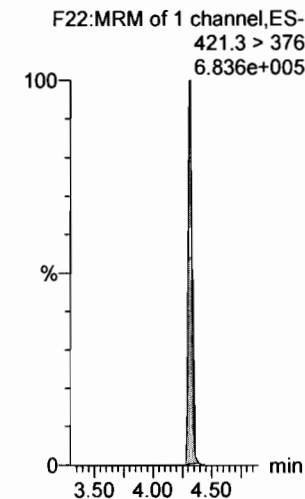
**d9-N-EtFOSE**



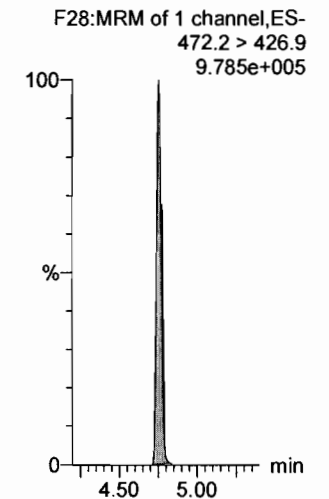
**13C3-PFHxS**



**13C8-PFOA**



**13C9-PFNA**



Dataset: F:\Projects\PFAS.PRO\Results\180307M1\180307M1-13.qld

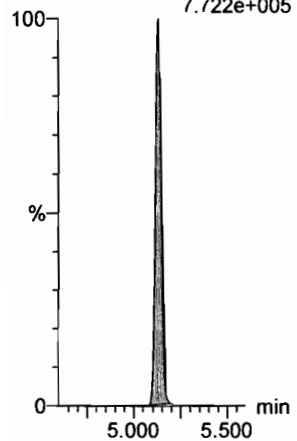
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Printed: Thursday, March 08, 2018 13:09:36 Pacific Standard Time

Name: 180307M1\_17, Date: 07-Mar-2018, Time: 19:04:07, ID: ICV180307M1-1 PFC ICV 18C0601, Description: PFC ICV 18C0601

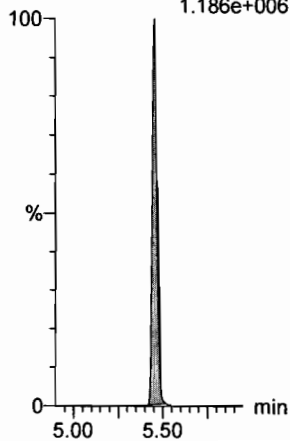
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
7.722e+005



13C7-PFUDa

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
1.186e+006



Dataset: Untitled

Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

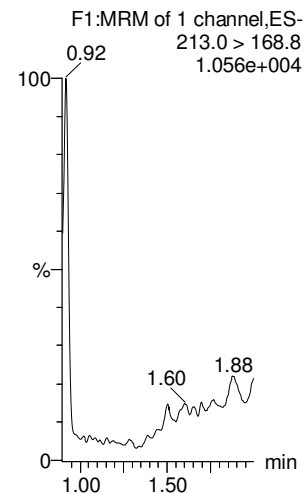
Printed: Thursday, March 08, 2018 12:25:10 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_030718.mdb 08 Mar 2018 11:59:09

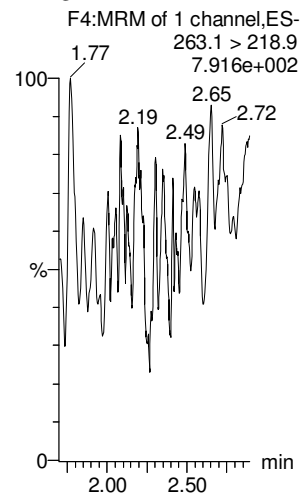
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-07-18-FULL.cdb 08 Mar 2018 11:58:32

Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

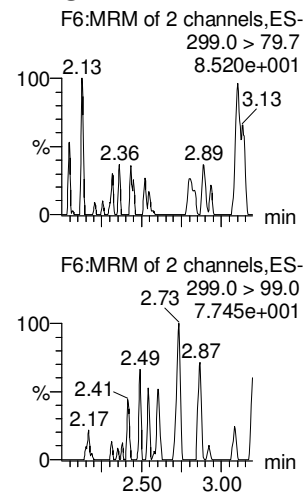
**PFBA**



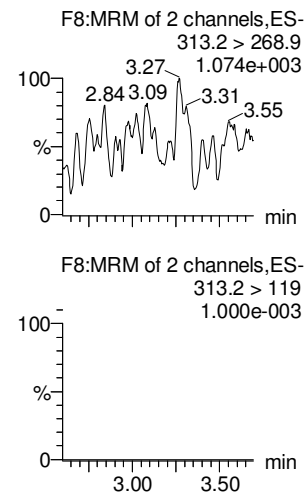
**PFPeA**



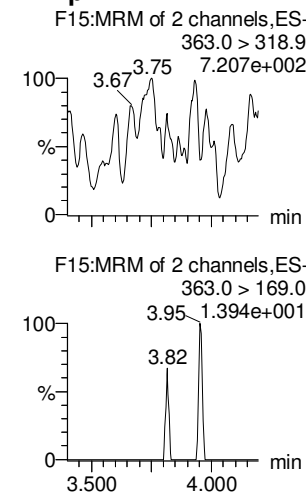
**PFBS**



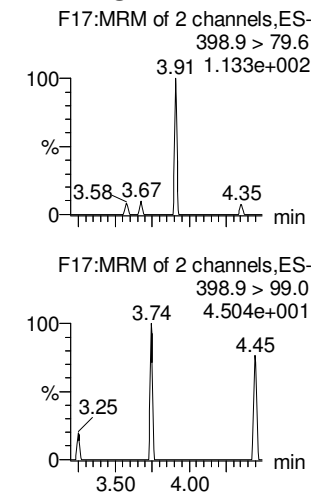
**PFHxA**



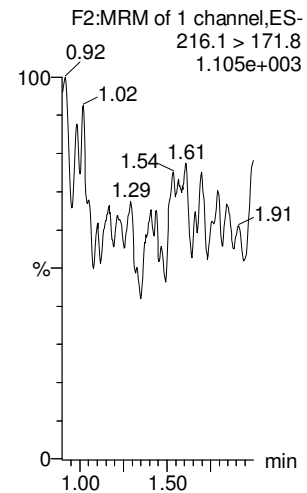
**PFHpA**



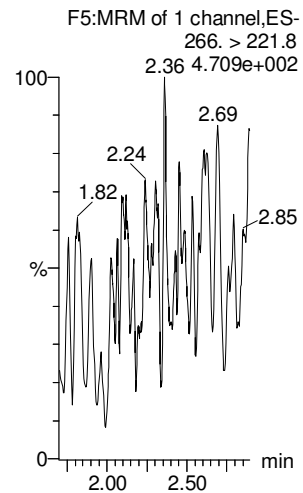
**L-PFHxS**



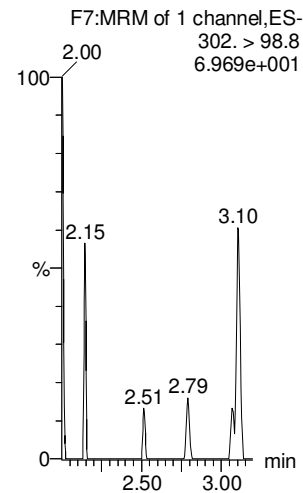
**13C3-PFBA**



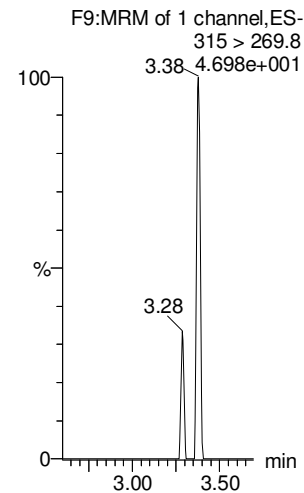
**13C3-PFPeA**



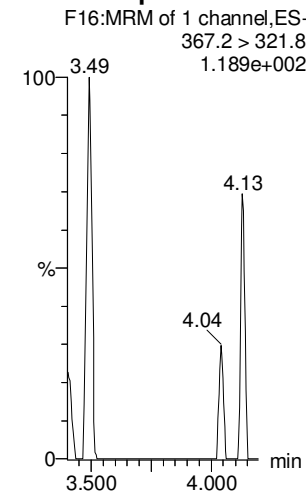
**13C3-PFBS**



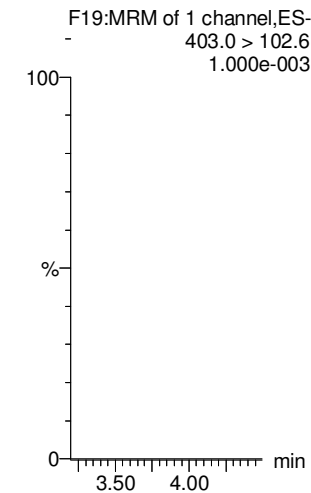
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



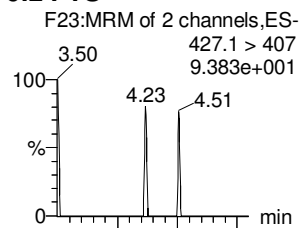
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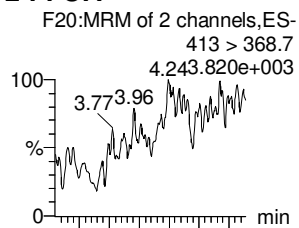
Printed: Thursday, March 08, 2018 12:25:10 Pacific Standard Time

Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

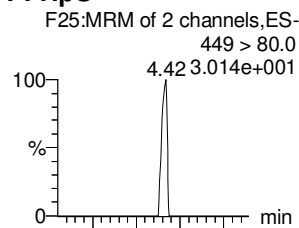
**6:2 FTS**



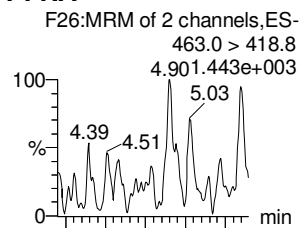
**L-PFOA**



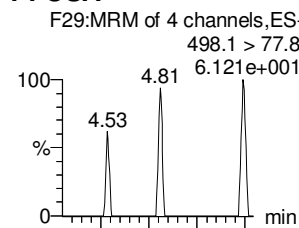
**PFHpS**



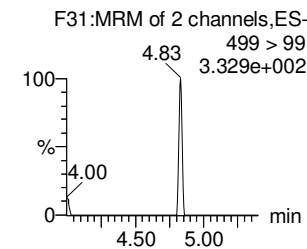
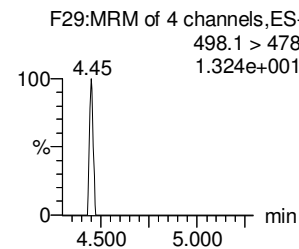
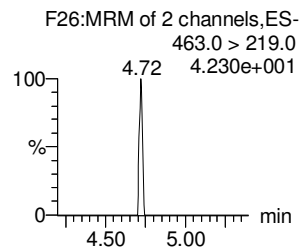
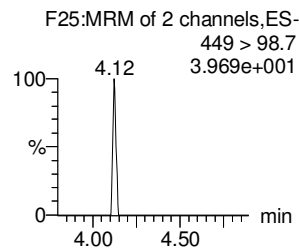
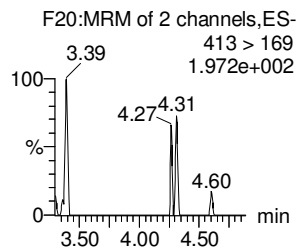
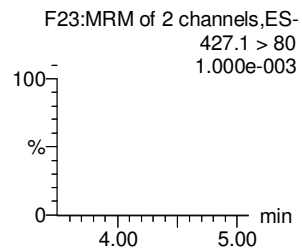
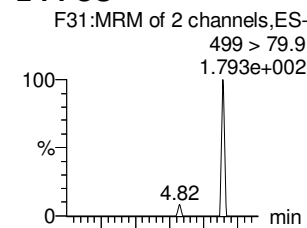
**PFNA**



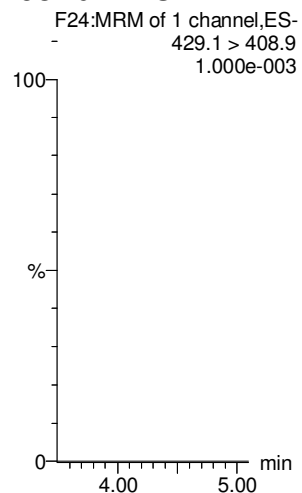
**PFOSA**



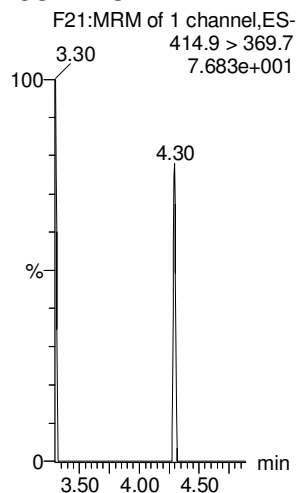
**L-PFOS**



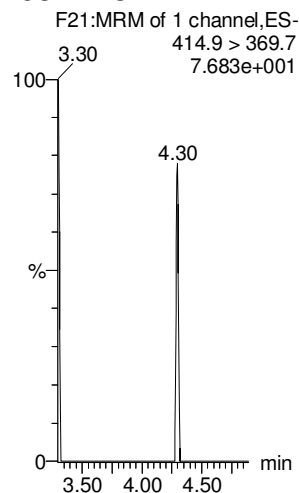
**13C2-6:2 FTS**



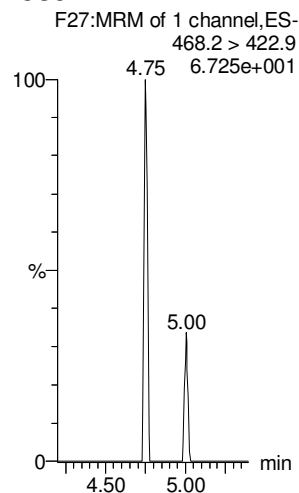
**13C2-PFOA**



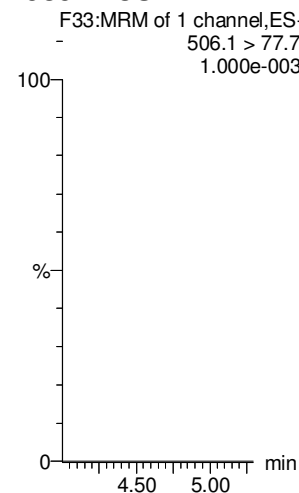
**13C2-PFOA**



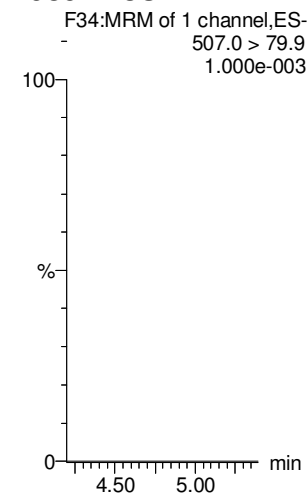
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



Dataset: Untitled

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Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

**PFDA**

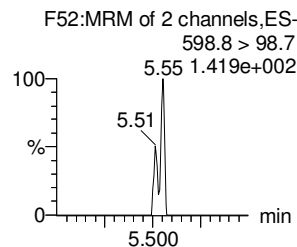
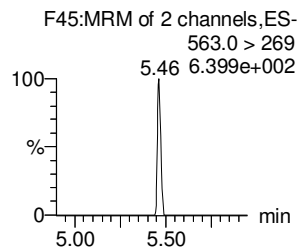
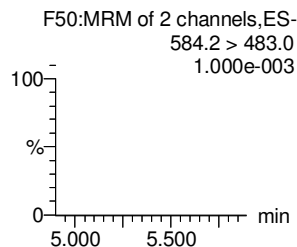
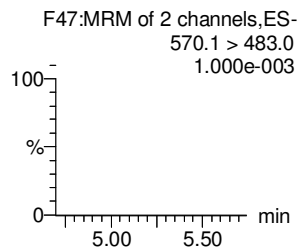
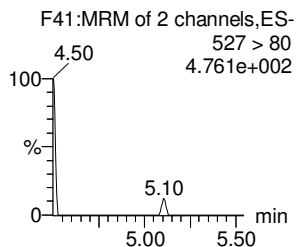
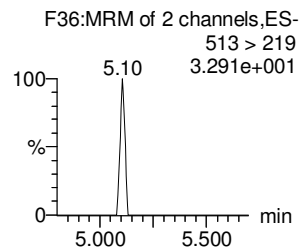
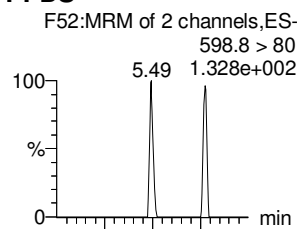
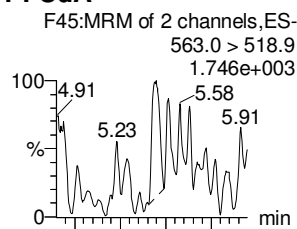
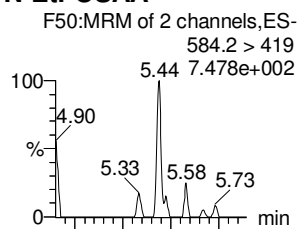
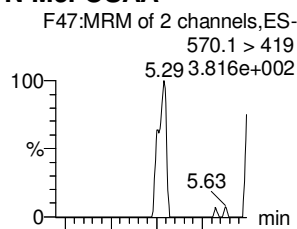
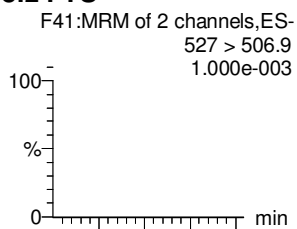
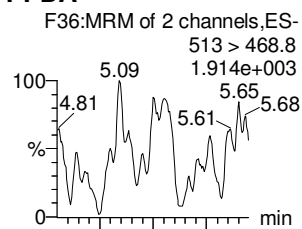
**8:2 FTS**

**N-MeFOSAA**

**N-EtFOSAA**

**PFUdA**

**PFDS**



**13C2-PFDA**

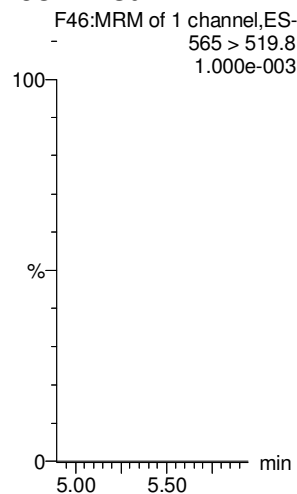
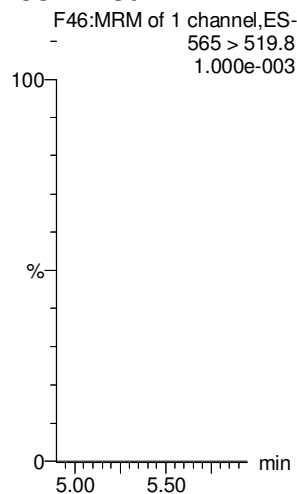
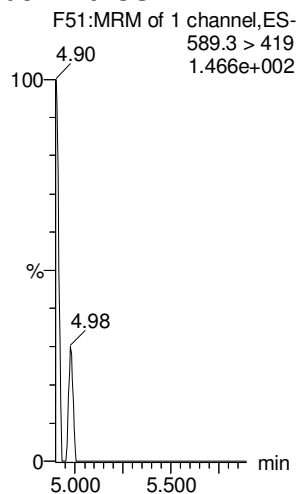
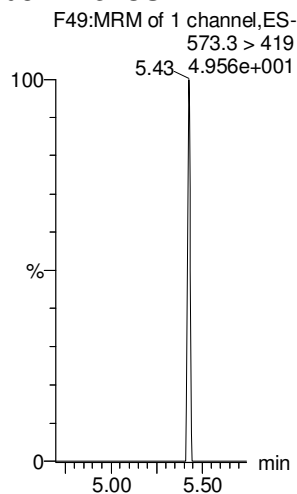
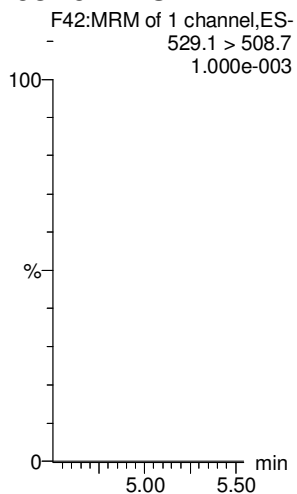
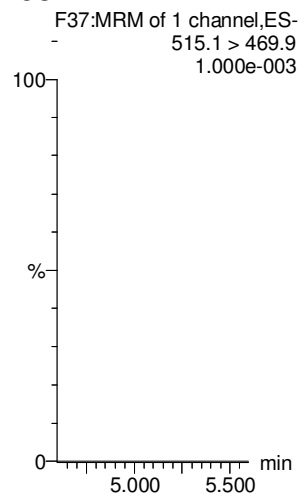
**13C2-8:2 FTS**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUdA**

**13C2-PFUdA**



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**PFDaA**

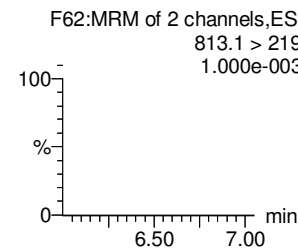
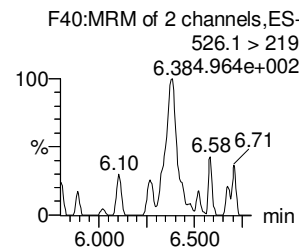
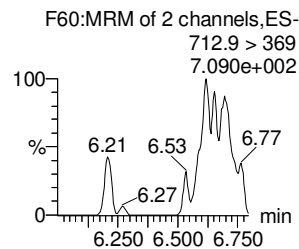
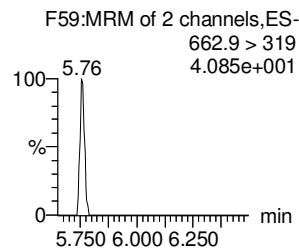
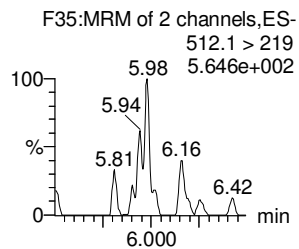
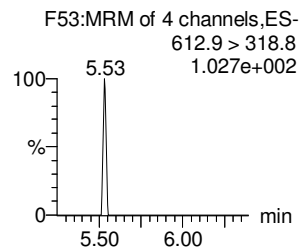
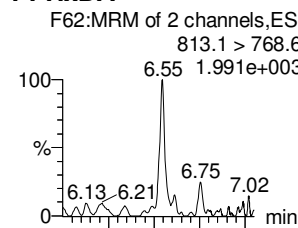
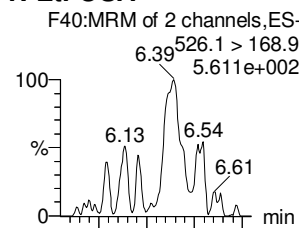
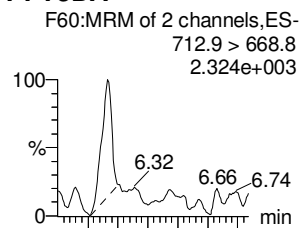
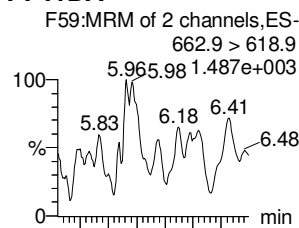
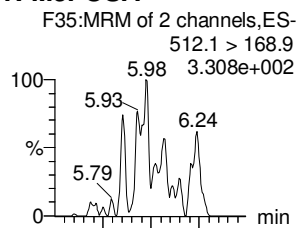
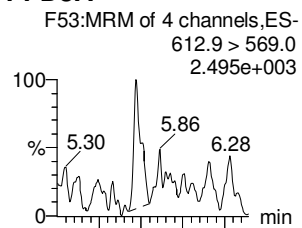
**N-MeFOSA**

**PFTrDA**

**PFTeDA**

**N-EtFOSA**

**PFHxDA**



**13C2-PFDaA**

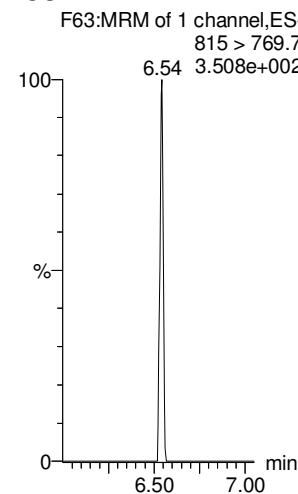
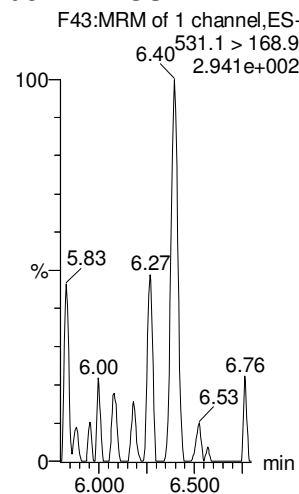
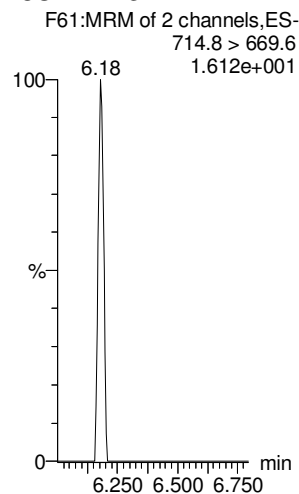
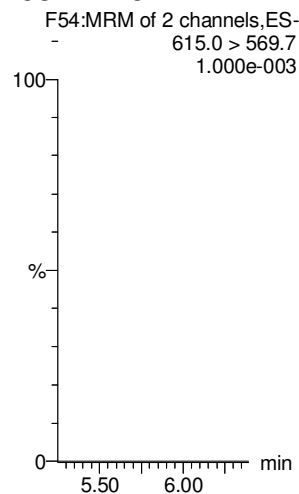
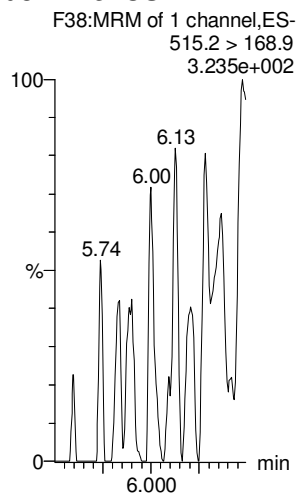
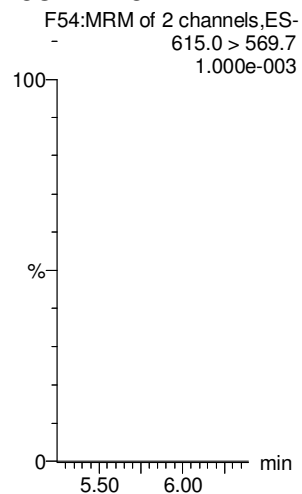
**d3-N-MeFOSA**

**13C2-PFDaA**

**13C2-PFTeDA**

**d5-N-ETFOSA**

**13C2-PFHxDA**



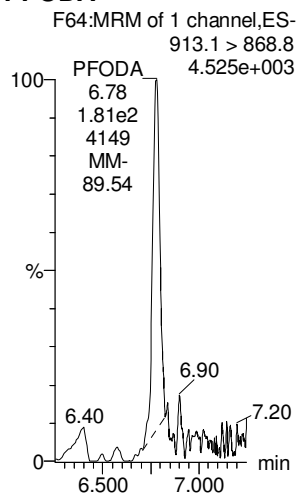
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Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

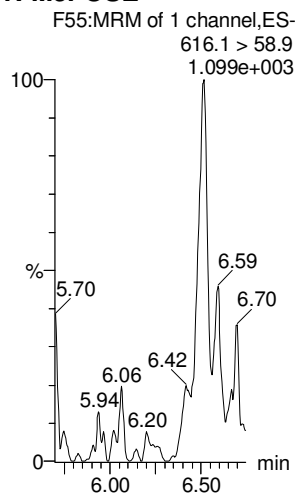
Printed: Thursday, March 08, 2018 12:25:10 Pacific Standard Time

Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

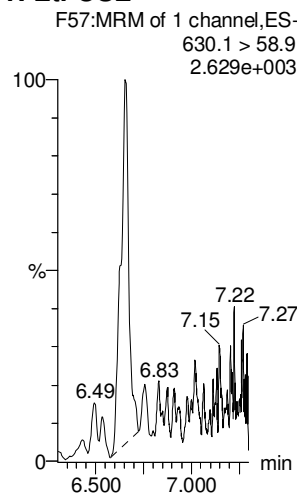
**PFODA**



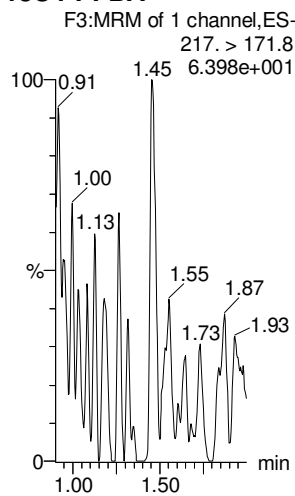
**N-MeFOSE**



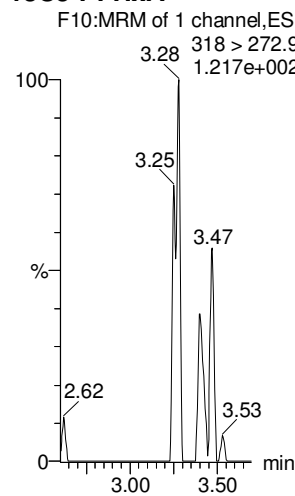
**N-EtFOSE**



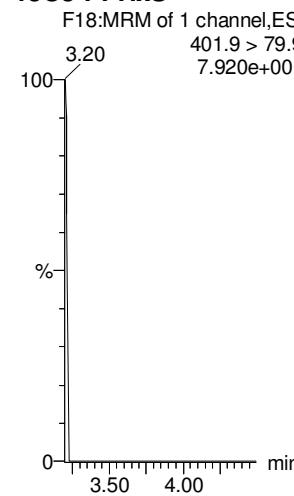
**13C4-PFBA**



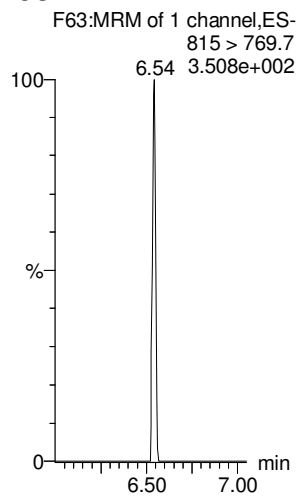
**13C5-PFHxA**



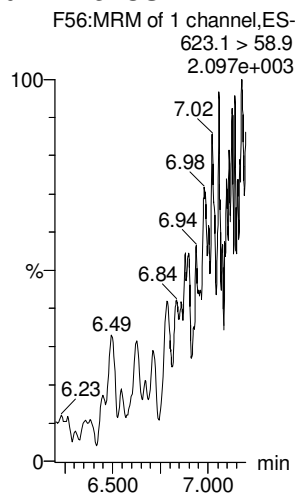
**13C3-PFHxS**



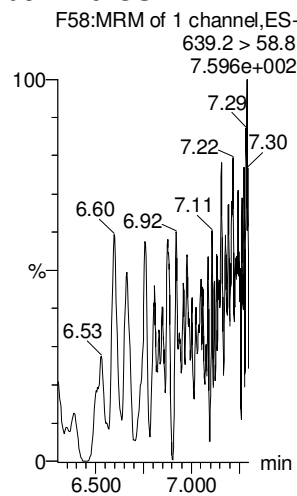
**13C2-PFHxDA**



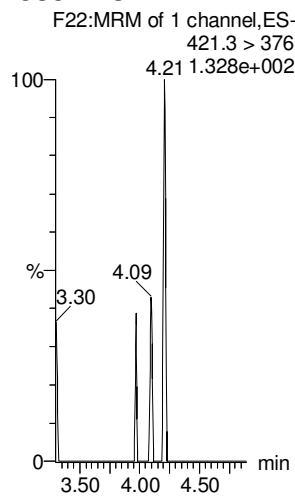
**d7-N-MeFOSE**



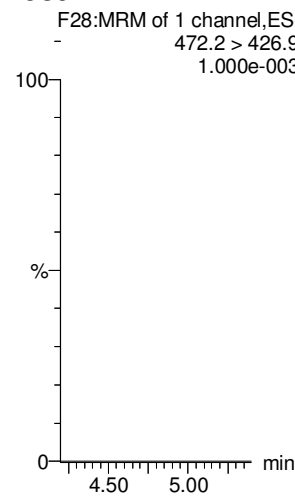
**d9-N-EtFOSE**



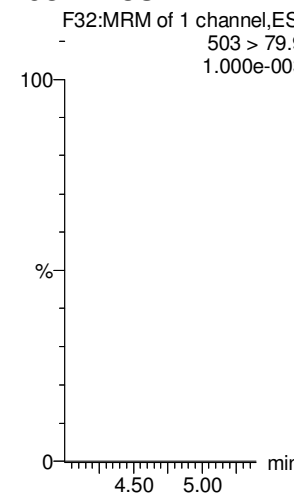
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**





Dataset: Untitled

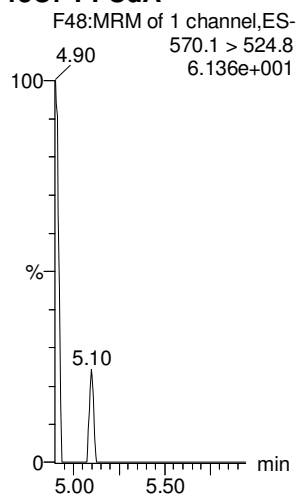
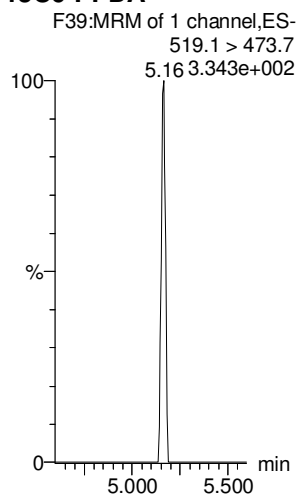
Last Altered: Thursday, March 08, 2018 12:24:54 Pacific Standard Time

Printed: Thursday, March 08, 2018 12:25:10 Pacific Standard Time

Name: 180307M1\_16, Date: 07-Mar-2018, Time: 18:52:38, ID: IPA, Description: IPA

13C6-PFDA

13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

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- 6:2 FTS, PFHxS, PFTnDA, Et-AA to CST-71  
 - 6:2 FTS + 8:2 FTS top is 100  
 - Not used for PFAS, 4:2 FTS, PFPeS

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 09:05:27  
 Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

19/03/2018

✓ VBF 3/20/18  
 CP 3/20/18

**Compound name: PFBA**

Correlation coefficient:  $r = 0.999697$ ,  $r^2 = 0.999394$

Calibration curve:  $1.17933 * x + -0.0439408$

Response type: Internal Std ( Ref 34 ), 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 180319M1_2	Standard	0.250	1.55	113.229	5477.139	0.258	0.3	2.6	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	1.54	220.259	5365.513	0.513	0.5	-5.5	NO	0.999	NO	MM
3	3 180319M1_4	Standard	1.000	1.55	423.997	4632.604	1.144	1.0	0.7	NO	0.999	NO	MM
4	4 180319M1_5	Standard	2.000	1.55	1061.285	5624.519	2.359	2.0	1.9	NO	0.999	NO	db
5	5 180319M1_6	Standard	5.000	1.53	2473.819	6010.007	5.145	4.4	-12.0	NO	0.999	NO	MM
6	6 180319M1_7	Standard	10.000	1.56	5202.709	5701.724	11.406	9.7	-2.9	NO	0.999	NO	MM
7	7 180319M1_8	Standard	50.000	1.54	27814.896	6076.792	57.215	48.6	-2.9	NO	0.999	NO	db
8	8 180319M1_9	Standard	100.000	1.54	53716.656	5617.144	119.537	101.4	1.4	NO	0.999	NO	MM
9	9 180319M1_10	Standard	250.000	1.53	138686.406	5687.743	304.792	258.5	3.4	NO	0.999	NO	db
10	10 180319M1_11	Standard	500.000	1.57	260035.234	5597.499	580.695	492.4	-1.5	NO	0.999	NO	db

**Compound name: PFPeA**

Correlation coefficient:  $r = 0.999841$ ,  $r^2 = 0.999681$

Calibration curve:  $1.05972 * x + 0.0174634$

Response type: Internal Std ( Ref 35 ), 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 180319M1_2	Standard	0.250	2.55	237.441	9433.855	0.315	0.3	12.2	NO	1.000	NO	bb
2	2 180319M1_3	Standard	0.500	2.53	439.715	9445.849	0.582	0.5	6.5	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	2.54	703.184	8701.716	1.010	0.9	-6.3	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	2.54	1682.072	9946.323	2.114	2.0	-1.1	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	2.53	3868.808	10036.646	4.818	4.5	-9.4	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	2.54	8470.089	10093.655	10.489	9.9	-1.2	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	2.54	40693.422	9619.811	52.877	49.9	-0.2	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	2.53	75424.883	9107.415	103.521	97.7	-2.3	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	2.53	183954.109	8465.941	271.609	256.3	2.5	NO	1.000	NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

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**Compound name: PFPeA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180319M1_11	Standard	500.000	2.54	344858.531	8188.216	526.456	496.8	-0.6	NO	1.000	NO	bb

**Compound name: PFBS**

Coefficient of Determination: R<sup>2</sup> = 0.998766  
 Calibration curve: 0.000280796 \* x<sup>2</sup> + 1.84972 \* x + 0.0440904  
 Response type: Internal Std ( Ref 36 ), 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 180319M1_2	Standard	0.250	2.82	38.563	1144.216	0.421	0.2	-18.4	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	2.81	85.830	1125.659	0.953	0.5	-1.7	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	2.80	169.037	1047.771	2.017	1.1	6.6	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	2.82	364.448	1168.499	3.899	2.1	4.2	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	2.81	796.378	1167.524	8.526	4.6	-8.3	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	2.81	1945.661	1172.590	20.741	11.2	11.7	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	2.82	8543.690	1071.382	99.681	53.4	6.9	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	2.81	16300.692	1053.048	193.494	103.0	3.0	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	2.81	37408.090	1024.839	456.268	238.0	-4.8	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	2.81	73221.656	910.569	1005.163	504.7	0.9	NO	0.999	NO	bb

**Compound name: 4:2 FTS**

Coefficient of Determination: R<sup>2</sup> = 0.998583  
 Calibration curve: -2.93265e-005 \* x<sup>2</sup> + 2.44878 \* x + -0.0573587  
 Response type: Internal Std ( Ref 36 ), 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 180319M1_2	Standard	0.250	3.21	43.220	1144.216	0.472	0.2	-13.5	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	3.21	102.210	1125.659	1.135	0.5	-2.6	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	3.21	184.563	1047.771	2.202	0.9	-7.7	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	3.21	516.761	1168.499	5.528	2.3	14.0	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	3.21	1089.744	1167.524	11.667	4.8	-4.2	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	3.21	2466.203	1172.590	26.290	10.8	7.6	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	3.21	11244.446	1071.382	131.191	53.6	7.3	NO	0.999	NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

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**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 180319M1_9	Standard	100.000	3.21	21303.143	1053.048	252.875	103.4	3.4	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	3.21	47353.492	1024.839	577.572	236.6	-5.4	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	3.21	89656.359	910.569	1230.774	505.7	1.1	NO	0.999	NO	bb

**Compound name: PFHxA**

Coefficient of Determination: R<sup>2</sup> = 0.999808

Calibration curve:  $-0.000235506 * x^2 + 1.51905 * x + 0.012529$

Response type: Internal Std ( Ref 37 ), 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 180319M1_2	Standard	0.250	3.31	289.958	3494.147	0.415	0.3	6.0	NO	1.000	NO	MM
2	2 180319M1_3	Standard	0.500	3.30	533.995	3358.135	0.795	0.5	3.0	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	3.30	980.552	3092.193	1.586	1.0	3.6	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	3.31	2243.162	3756.618	2.986	2.0	-2.1	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	3.31	4800.811	3507.995	6.843	4.5	-10.0	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	3.30	11426.228	3768.309	15.161	10.0	-0.1	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	3.31	53818.340	3462.115	77.725	51.6	3.1	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	3.31	99722.578	3303.046	150.955	100.9	0.9	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	3.31	232145.453	3223.642	360.067	246.4	-1.4	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	3.30	437324.906	3111.971	702.649	501.5	0.3	NO	1.000	NO	bb

**Compound name: PFPeS**

Correlation coefficient:  $r = 0.999667$ ,  $r^2 = 0.999323$  *not used*

Calibration curve:  $2.00899 * x + -0.122811$

Response type: Internal Std ( Ref 36 ), 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 180319M1_2	Standard	0.250	3.50	31.680	1144.216	0.346	0.2	-6.6	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	3.49	77.532	1125.659	0.861	0.5	-2.1	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	3.50	157.905	1047.771	1.884	1.0	-0.1	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	3.50	355.315	1168.499	3.801	2.0	-2.3	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	3.50	905.356	1167.524	9.693	4.9	-2.3	NO	0.999	NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

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Compound name: PFPeS

*not used*

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180319M1_7	Standard	10.000	3.50	1932.196	1172.590	20.598	10.3	3.1	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	3.50	9345.956	1071.382	109.041	54.3	8.7	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	3.50	17528.283	1053.048	208.066	103.6	3.6	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	3.50	40855.805	1024.839	498.320	248.1	-0.8	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	3.50	72257.164	910.569	991.923	493.8	-1.2	NO	0.999	NO	bb

Compound name: PFHpA

Correlation coefficient:  $r = 0.999626$ ,  $r^2 = 0.999252$

Calibration curve:  $1.34171 * x + 0.00838305$

Response type: Internal Std ( Ref 38 ), 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 180319M1_2	Standard	0.250	3.91	231.018	8706.937	0.332	0.2	-3.6	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	3.92	480.594	8432.579	0.712	0.5	4.9	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	3.92	823.375	7156.992	1.438	1.1	6.6	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	3.92	1748.181	8527.155	2.563	1.9	-4.8	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	3.92	4037.440	7976.337	6.327	4.7	-5.8	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	3.92	9582.240	8262.099	14.497	10.8	8.0	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	3.92	43918.934	8526.442	64.386	48.0	-4.0	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	3.92	79814.383	7754.237	128.663	95.9	-4.1	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	3.92	205829.219	7407.202	347.346	258.9	3.6	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	3.92	361610.219	6781.743	666.514	496.8	-0.6	NO	0.999	NO	bb

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**Compound name: L-PFHxS**

Correlation coefficient:  $r = 0.999378$ ,  $r^2 = 0.998757$

Calibration curve:  $2.10956 * x + -0.490677$

Response type: Internal Std ( Ref 39 ), 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 180319M1_2	Standard	0.250	4.06	26.474	773.380	0.428	0.4	74.2	YES	0.999	NO	MMX
2	2 180319M1_3	Standard	0.500	4.06	36.724	826.202	0.556	0.5	-0.8	NO	0.999	NO	MM
3	3 180319M1_4	Standard	1.000	4.06	111.633	710.588	1.964	1.2	16.3	NO	0.999	NO	MM
4	4 180319M1_5	Standard	2.000	4.07	240.050	844.609	3.553	1.9	-4.2	NO	0.999	NO	MM
5	5 180319M1_6	Standard	5.000	4.07	601.556	824.742	9.117	4.6	-8.9	NO	0.999	NO	MM
6	6 180319M1_7	Standard	10.000	4.06	1369.396	821.790	20.829	10.1	1.1	NO	0.999	NO	MM
7	7 180319M1_8	Standard	50.000	4.07	6808.977	785.534	108.349	51.6	3.2	NO	0.999	NO	MM
8	8 180319M1_9	Standard	100.000	4.07	12465.508	816.881	190.749	90.7	-9.3	NO	0.999	NO	MM
9	9 180319M1_10	Standard	250.000	4.07	30951.508	719.531	537.703	255.1	2.0	NO	0.999	NO	MM
10	10 180319M1_11	Standard	500.000	4.06	53159.980	626.653	1060.395	502.9	0.6	NO	0.999	NO	MM

**Compound name: Br-PFHxS**

Correlation coefficient:  $r = 0.999378$ ,  $r^2 = 0.998757$

*- see linear*

Calibration curve:  $2.10956 * x + -0.490677$

Response type: Internal Std ( Ref 39 ), 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 180319M1_2	Standard	0.250			773.380				NO		NO	
2	2 180319M1_3	Standard	0.500			826.202				NO		NO	
3	3 180319M1_4	Standard	1.000			710.588				NO		NO	
4	4 180319M1_5	Standard	2.000			844.609				NO		NO	
5	5 180319M1_6	Standard	5.000			824.742				NO		NO	MM-
6	6 180319M1_7	Standard	10.000			821.790				NO		NO	MM-
7	7 180319M1_8	Standard	50.000			785.534				NO		NO	MM-
8	8 180319M1_9	Standard	100.000			816.881				NO		NO	MM-
9	9 180319M1_10	Standard	250.000			719.531				NO		NO	MM-
10	10 180319M1_11	Standard	500.000			626.653				NO		NO	MM-

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**Compound name: 6:2 FTS**

Correlation coefficient:  $r = 0.995752$ ,  $r^2 = 0.991521$   
 Calibration curve:  $0.993698 * x + 0.204603$   
 Response type: Internal Std ( Ref 40 ), 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 180319M1_2	Standard	0.250	4.37	63.309	3105.582	0.255	0.1	-79.8	YES	0.992	NO	bbX
2	2 180319M1_3	Standard	0.500	4.39	163.570	2822.410	0.724	0.5	4.6	NO	0.992	NO	bb
3	3 180319M1_4	Standard	1.000	4.39	244.282	2605.032	1.172	1.0	-2.6	NO	0.992	NO	bb
4	4 180319M1_5	Standard	2.000	4.39	611.940	3114.115	2.456	2.3	13.3	NO	0.992	NO	bb
5	5 180319M1_6	Standard	5.000	4.39	1398.417	3013.272	5.801	5.6	12.6	NO	0.992	NO	bb
6	6 180319M1_7	Standard	10.000	4.38	2851.927	3205.818	11.120	11.0	9.8	NO	0.992	NO	bb
7	7 180319M1_8	Standard	50.000	4.39	14450.662	3276.112	55.136	55.3	10.6	NO	0.992	NO	bb
8	8 180319M1_9	Standard	100.000	4.39	25831.377	3492.243	92.460	92.8	-7.2	NO	0.992	NO	bb
9	9 180319M1_10	Standard	250.000	4.39	60687.332	4829.778	157.066	157.9	-36.9	YES	0.992	NO	bbX
10	10 180319M1_11	Standard	500.000	4.38	110412.445	6987.503	197.518	198.6	-60.3	YES	0.992	NO	bbX

**Compound name: L-PFOA**

Coefficient of Determination:  $R^2 = 0.999735$   
 Calibration curve:  $-0.000179188 * x^2 + 1.00076 * x + 0.0920689$   
 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 180319M1_2	Standard	0.250	4.43	348.439	12585.698	0.346	0.3	1.5	NO	1.000	NO	MM
2	2 180319M1_3	Standard	0.500	4.44	590.936	11641.323	0.635	0.5	8.4	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	4.43	1038.148	10984.008	1.181	1.1	8.9	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	4.44	2105.669	12680.479	2.076	2.0	-0.9	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	4.44	4345.736	12455.681	4.361	4.3	-14.6	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	4.43	9950.132	12684.067	9.806	9.7	-2.8	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	4.44	47448.352	12290.584	48.257	48.6	-2.9	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	4.44	92082.266	11477.988	100.281	102.0	2.0	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	4.44	217245.469	11298.393	240.350	251.4	0.6	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	4.44	387878.750	10660.386	454.813	499.0	-0.2	NO	1.000	NO	bb

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**Compound name: Br-PFOA**

Coefficient of Determination:  $R^2 = 0.999735$

Calibration curve:  $-0.000179188 * x^2 + 1.00076 * x + 0.0920689$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*See linear*

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180319M1_2	Standard	0.250			12585.698				NO		NO	
2	2 180319M1_3	Standard	0.500			11641.323				NO		NO	
3	3 180319M1_4	Standard	1.000			10984.008				NO		NO	
4	4 180319M1_5	Standard	2.000			12680.479				NO		NO	
5	5 180319M1_6	Standard	5.000			12455.681				NO		NO	
6	6 180319M1_7	Standard	10.000			12684.067				NO		NO	
7	7 180319M1_8	Standard	50.000			12290.584				NO		NO	
8	8 180319M1_9	Standard	100.000			11477.988				NO		NO	
9	9 180319M1_10	Standard	250.000			11298.393				NO		NO	
10	10 180319M1_11	Standard	500.000			10660.386				NO		NO	MM-I

**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.999627$

Calibration curve:  $-1.52781e-005 * x^2 + 0.212779 * x + -0.0187673$

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 180319M1_2	Standard	0.250	4.54	27.386	12585.698	0.027	0.2	-13.6	NO	1.000	NO	MM
2	2 180319M1_3	Standard	0.500	4.55	87.695	11641.323	0.094	0.5	6.2	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	4.55	188.867	10984.008	0.215	1.1	9.8	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	4.55	409.015	12680.479	0.403	2.0	-0.8	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	4.55	1029.596	12455.681	1.033	4.9	-1.1	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	4.54	2189.499	12684.067	2.158	10.2	2.4	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	4.55	10251.747	12290.584	10.426	49.3	-1.5	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	4.55	18709.635	11477.988	20.376	96.5	-3.5	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	4.55	48412.566	11298.393	53.561	256.5	2.6	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	4.55	87024.523	10660.386	102.042	497.4	-0.5	NO	1.000	NO	bb



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**Compound name: PFNA**

Coefficient of Determination:  $R^2 = 0.999765$

Calibration curve:  $-9.74762e-005 * x^2 + 1.14183 * x + 0.0016858$

Response type: Internal Std ( Ref 42 ), 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 180319M1_2	Standard	0.250	4.86	309.429	13101.696	0.295	0.3	2.8	NO	1.000	NO	bb
2	2 180319M1_3	Standard	0.500	4.87	638.865	14154.476	0.564	0.5	-1.5	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	4.87	1084.144	12563.717	1.079	0.9	-5.7	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	4.87	2624.500	13157.215	2.493	2.2	9.1	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	4.88	5952.770	14197.047	5.241	4.6	-8.2	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	4.87	12729.637	13937.970	11.416	10.0	0.1	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	4.87	60722.293	12767.838	59.448	52.3	4.6	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	4.87	116696.875	12921.100	112.894	99.7	-0.3	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	4.88	263835.156	11956.839	275.820	246.8	-1.3	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	4.87	445679.375	10163.715	548.126	501.5	0.3	NO	1.000	NO	bb

**Compound name: PFOSA**

Correlation coefficient:  $r = 0.999855$ ,  $r^2 = 0.999711$

Calibration curve:  $1.01493 * x + 0.130735$

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 180319M1_2	Standard	0.250	4.92	101.537	3379.414	0.376	0.2	-3.5	NO	1.000	NO	bb
2	2 180319M1_3	Standard	0.500	4.94	175.494	3037.262	0.722	0.6	16.6	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	4.94	297.343	3173.010	1.171	1.0	2.5	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	4.94	547.605	3531.039	1.939	1.8	-10.9	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	4.94	1405.205	3323.113	5.286	5.1	1.6	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	4.93	3091.071	3794.303	10.183	9.9	-1.0	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	4.94	13862.940	3504.815	49.442	48.6	-2.8	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	4.94	24297.111	3081.946	98.546	97.0	-3.0	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	4.94	59022.602	2925.835	252.161	248.3	-0.7	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	4.94	105491.219	2565.696	513.950	506.3	1.3	NO	1.000	NO	bb

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**Compound name: L-PFOS**

Coefficient of Determination:  $R^2 = 0.998832$

Calibration curve:  $0.000223873 * x^2 + 1.09844 * x + -0.191588$

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 180319M1_2	Standard	0.250	4.94	33.857	2618.331	0.162	0.3	28.6	NO	0.999	NO	MM
2	2 180319M1_3	Standard	0.500	4.95	98.927	2516.511	0.491	0.6	24.3	NO	0.999	NO	MM
3	3 180319M1_4	Standard	1.000	4.95	123.757	2350.714	0.658	0.8	-22.7	NO	0.999	NO	MM
4	4 180319M1_5	Standard	2.000	4.96	387.459	2937.195	1.649	1.7	-16.2	NO	0.999	NO	MM
5	5 180319M1_6	Standard	5.000	4.95	983.315	2574.882	4.774	4.5	-9.7	NO	0.999	NO	MM
6	6 180319M1_7	Standard	10.000	4.95	2291.025	2611.000	10.968	10.1	1.4	NO	0.999	NO	MM
7	7 180319M1_8	Standard	50.000	4.95	10670.698	2732.663	48.811	44.2	-11.6	NO	0.999	NO	MM
8	8 180319M1_9	Standard	100.000	4.95	20904.594	2228.736	117.245	104.7	4.7	NO	0.999	NO	MM
9	9 180319M1_10	Standard	250.000	4.96	51308.289	2188.590	293.044	253.8	1.5	NO	0.999	NO	MM
10	10 180319M1_11	Standard	500.000	4.95	95112.648	1974.084	602.258	497.9	-0.4	NO	0.999	NO	MM

**Compound name: Br-PFOS**

Coefficient of Determination:  $R^2 = 0.998832$

Calibration curve:  $0.000223873 * x^2 + 1.09844 * x + -0.191588$

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

*- See linear*

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180319M1_2	Standard	0.250			2618.331				NO		NO	
2	2 180319M1_3	Standard	0.500			2516.511				NO		NO	
3	3 180319M1_4	Standard	1.000			2350.714				NO		NO	
4	4 180319M1_5	Standard	2.000			2937.195				NO		NO	MM-
5	5 180319M1_6	Standard	5.000			2574.882				NO		NO	MM-
6	6 180319M1_7	Standard	10.000			2611.000				NO		NO	MM-
7	7 180319M1_8	Standard	50.000			2732.663				NO		NO	MM-
8	8 180319M1_9	Standard	100.000			2228.736				NO		NO	MM-
9	9 180319M1_10	Standard	250.000			2188.590				NO		NO	MM-
10	10 180319M1_11	Standard	500.000			1974.084				NO		NO	MM-

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**Compound name: PFDA**

Coefficient of Determination:  $R^2 = 0.996818$

Calibration curve:  $-0.000253244 * x^2 + 1.2432 * x + -0.0151416$

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 180319M1_2	Standard	0.250	5.24	386.197	13838.919	0.349	0.3	17.1	NO	0.997	NO	bb
2	2 180319M1_3	Standard	0.500	5.24	612.302	11741.080	0.652	0.5	7.3	NO	0.997	NO	bb
3	3 180319M1_4	Standard	1.000	5.24	1254.067	11307.035	1.386	1.1	12.8	NO	0.997	NO	bb
4	4 180319M1_5	Standard	2.000	5.25	2446.770	14562.491	2.100	1.7	-14.9	NO	0.997	NO	bb
5	5 180319M1_6	Standard	5.000	5.25	5540.706	11788.538	5.875	4.7	-5.1	NO	0.997	NO	bb
6	6 180319M1_7	Standard	10.000	5.24	11983.321	13368.551	11.205	9.0	-9.6	NO	0.997	NO	bb
7	7 180319M1_8	Standard	50.000	5.24	63934.480	14045.484	56.899	46.2	-7.6	NO	0.997	NO	bb
8	8 180319M1_9	Standard	100.000	5.24	99693.953	10943.717	113.871	93.4	-6.6	NO	0.997	NO	bb
9	9 180319M1_10	Standard	250.000	5.25	275692.813	10800.217	319.082	271.7	8.7	NO	0.997	NO	bb
10	10 180319M1_11	Standard	500.000	5.25	506237.469	11541.489	548.280	489.9	-2.0	NO	0.997	NO	bb

**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.994273$

Calibration curve:  $-0.00595217 * x^2 + 1.62437 * x + 0.0384168$

Response type: Internal Std ( Ref 46 ), 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 180319M1_2	Standard	0.250	5.21	113.229	2779.052	0.509	0.3	16.1	NO	0.994	NO	bb
2	2 180319M1_3	Standard	0.500	5.21	124.784	2566.433	0.608	0.4	-29.8	NO	0.994	NO	bb
3	3 180319M1_4	Standard	1.000	5.21	310.998	2116.685	1.837	1.1	11.2	NO	0.994	NO	bb
4	4 180319M1_5	Standard	2.000	5.22	688.217	2425.499	3.547	2.2	8.9	NO	0.994	NO	bb
5	5 180319M1_6	Standard	5.000	5.22	1391.792	2388.113	7.285	4.5	-9.3	NO	0.994	NO	bb
6	6 180319M1_7	Standard	10.000	5.21	3255.001	2225.347	18.284	11.7	17.4	NO	0.994	NO	bb
7	7 180319M1_8	Standard	50.000	5.21	14922.324	2983.433	62.522	46.3	-7.3	NO	0.994	NO	bb
8	8 180319M1_9	Standard	100.000	5.22	26107.881	3118.426	104.652	104.1	4.1	NO	0.994	NO	bb
9	9 180319M1_10	Standard	250.000	5.22	62413.738	4001.802	194.955			NO	0.994	NO	bbXI
10	10 180319M1_11	Standard	500.000	5.21	106743.953	5189.083	257.136			NO	0.994	NO	bbXI

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**Compound name: PFNS**

Coefficient of Determination:  $R^2 = 0.999712$

Calibration curve:  $0.00867509 * x^2 + 0.804774 * x - 0.0531169$  *not used*

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 180319M1_2	Standard	0.250	5.29	30.503	2618.331	0.146	0.2	-1.5	NO	1.000	NO	MM
2	2 180319M1_3	Standard	0.500	5.30	75.490	2516.511	0.375	0.5	5.8	NO	1.000	NO	MM
3	3 180319M1_4	Standard	1.000	5.30	135.014	2350.714	0.718	0.9	-5.2	NO	1.000	NO	MM
4	4 180319M1_5	Standard	2.000	5.31	375.227	2937.195	1.597	2.0	0.3	NO	1.000	NO	MM
5	5 180319M1_6	Standard	5.000	5.31	868.429	2574.882	4.216	5.0	0.6	NO	1.000	NO	MM
6	6 180319M1_7	Standard	10.000	5.30	1848.588	2611.000	8.850	10.0	-0.1	NO	1.000	NO	MM
7	7 180319M1_8	Standard	50.000	5.30	9024.905	2732.663	41.283	36.8	-26.4	NO	1.000	NO	bbX
8	8 180319M1_9	Standard	100.000	5.31	17401.594	2228.736	97.598	69.4	-30.6	YES	1.000	NO	bbX
9	9 180319M1_10	Standard	250.000	5.31	41060.066	2188.590	234.512	124.5	-50.2	YES	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	5.31	74092.922	1974.084	469.160	190.8	-61.8	YES	1.000	NO	bb

**Compound name: N-MeFOSAA**

Coefficient of Determination:  $R^2 = 0.998407$

Calibration curve:  $-0.000559833 * x^2 + 1.53939 * x - 0.144356$

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 180319M1_2	Standard	0.250	5.39	127.664	5704.182	0.280	0.3	10.2	NO	0.998	NO	bb
2	2 180319M1_3	Standard	0.500	5.39	249.179	5869.186	0.531	0.4	-12.3	NO	0.998	NO	bb
3	3 180319M1_4	Standard	1.000	5.39	599.631	5007.120	1.497	1.1	6.7	NO	0.998	NO	bb
4	4 180319M1_5	Standard	2.000	5.40	1504.795	6441.174	2.920	2.0	-0.4	NO	0.998	NO	bb
5	5 180319M1_6	Standard	5.000	5.40	2785.655	6582.732	5.290	3.5	-29.3	NO	0.998	NO	bb
6	6 180319M1_7	Standard	10.000	5.39	6624.160	6082.800	13.612	9.0	-10.3	NO	0.998	NO	bb
7	7 180319M1_8	Standard	50.000	5.39	34836.676	6215.181	70.064	46.4	-7.2	NO	0.998	NO	bb
8	8 180319M1_9	Standard	100.000	5.39	66044.438	5415.241	152.450	103.0	3.0	NO	0.998	NO	bb
9	9 180319M1_10	Standard	250.000	5.40	155588.266	5401.760	360.041	258.2	3.3	NO	0.998	NO	bb
10	10 180319M1_11	Standard	500.000	5.39	267405.844	5355.234	624.169	494.5	-1.1	NO	0.998	NO	bb

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**Compound name: N-EtFOSAA**

Coefficient of Determination: R<sup>2</sup> = 0.999838

Calibration curve: 6.78255e-005 \* x<sup>2</sup> + 0.994525 \* x + 0.0328356

Response type: Internal Std ( Ref 48 ), 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 180319M1_2	Standard	0.250	5.55	83.157	6794.362	0.153	0.1	-51.7	YES	1.000	NO	bbX
2	2 180319M1_3	Standard	0.500	5.55	292.577	6518.009	0.561	0.5	6.2	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	5.55	443.928	5432.954	1.021	1.0	-0.6	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	5.56	1251.348	6697.650	2.335	2.3	15.7	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	5.56	2569.114	7437.849	4.318	4.3	-13.9	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	5.55	5675.941	7213.274	9.836	9.9	-1.5	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	5.55	27860.502	6959.258	50.042	50.1	0.2	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	5.55	47425.496	5902.226	100.440	100.3	0.3	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	5.56	114172.250	5635.574	253.240	250.3	0.1	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	5.55	183507.547	4462.514	514.025	499.8	-0.0	NO	1.000	NO	bb

**Compound name: PFUdA**

Coefficient of Determination: R<sup>2</sup> = 0.999475

Calibration curve: -8.97392e-005 \* x<sup>2</sup> + 1.05975 \* x + 0.00685238

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 180319M1_2	Standard	0.250	5.56	443.690	17353.035	0.320	0.3	18.1	NO	0.999	NO	bb
2	2 180319M1_3	Standard	0.500	5.57	490.884	12477.949	0.492	0.5	-8.5	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	5.57	1162.827	13386.956	1.086	1.0	1.8	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	5.57	2338.710	13630.231	2.145	2.0	0.9	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	5.57	5407.297	15654.381	4.318	4.1	-18.6	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	5.56	14299.586	15803.856	11.310	10.7	6.8	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	5.57	60038.656	14007.742	53.576	50.8	1.5	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	5.57	117137.477	14431.378	101.461	96.5	-3.5	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	5.57	275661.938	13044.665	264.152	254.7	1.9	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	5.57	494869.969	12232.795	505.680	498.2	-0.4	NO	0.999	NO	bb

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**Compound name: PFDS**

Coefficient of Determination: R<sup>2</sup> = 0.999629

Calibration curve:  $-1.87214e-006 * x^2 + 0.199902 * x + -0.00625739$

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 180319M1_2	Standard	0.250	5.61	52.847	17353.035	0.038	0.2	-11.3	NO	1.000	NO	MM
2	2 180319M1_3	Standard	0.500	5.61	107.088	12477.949	0.107	0.6	13.6	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	5.61	194.325	13386.956	0.181	0.9	-6.1	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	5.62	440.828	13630.231	0.404	2.1	2.7	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	5.61	1172.053	15654.381	0.936	4.7	-5.7	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	5.61	2615.208	15803.856	2.068	10.4	3.8	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	5.61	11889.629	14007.742	10.610	53.1	6.3	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	5.61	22392.266	14431.378	19.395	97.1	-2.9	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	5.62	51749.891	13044.665	49.589	248.7	-0.5	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	5.61	97528.031	12232.795	99.658	500.9	0.2	NO	1.000	NO	bb

**Compound name: PFDoA**

Coefficient of Determination: R<sup>2</sup> = 0.998264

Calibration curve:  $-0.000227199 * x^2 + 1.55038 * x + -0.0401788$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180319M1_2	Standard	0.250	5.84	482.805	13930.053	0.433	0.3	22.1	NO	0.998	NO	MM
2	2 180319M1_3	Standard	0.500	5.85	832.893	15488.944	0.672	0.5	-8.1	NO	0.998	NO	MM
3	3 180319M1_4	Standard	1.000	5.85	1523.134	12166.000	1.565	1.0	3.5	NO	0.998	NO	bb
4	4 180319M1_5	Standard	2.000	5.85	3216.990	13310.474	3.021	2.0	-1.2	NO	0.998	NO	bb
5	5 180319M1_6	Standard	5.000	5.85	7715.123	14613.762	6.599	4.3	-14.3	NO	0.998	NO	bb
6	6 180319M1_7	Standard	10.000	5.84	17356.203	13996.311	15.501	10.0	0.4	NO	0.998	NO	bb
7	7 180319M1_8	Standard	50.000	5.84	73642.500	11821.313	77.870	50.6	1.3	NO	0.998	NO	bb
8	8 180319M1_9	Standard	100.000	5.85	136082.750	12092.908	140.664	92.0	-8.0	NO	0.998	NO	bb
9	9 180319M1_10	Standard	250.000	5.85	366411.969	11656.614	392.923	263.6	5.5	NO	0.998	NO	bb
10	10 180319M1_11	Standard	500.000	5.85	625546.813	10999.308	710.893	494.4	-1.1	NO	0.998	NO	bb

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**Compound name: N-MeFOSA**

Correlation coefficient:  $r = 0.997644$ ,  $r^2 = 0.995294$

Calibration curve:  $0.905044 * x + 0.304954$

Response type: Internal Std ( Ref 51 ), 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 180319M1_2	Standard	1.250	5.99	126.895	16111.881	1.181	1.0	-22.5	NO	0.995	NO	bb
2	2 180319M1_3	Standard	2.500	5.99	247.014	16050.539	2.308	2.2	-11.5	NO	0.995	NO	bb
3	3 180319M1_4	Standard	5.000	5.99	527.596	14563.787	5.434	5.7	13.3	NO	0.995	NO	bb
4	4 180319M1_5	Standard	10.000	6.00	1127.948	16751.799	10.100	10.8	8.2	NO	0.995	NO	bb
5	5 180319M1_6	Standard	25.000	6.00	2512.809	17138.293	21.993	24.0	-4.1	NO	0.995	NO	bb
6	6 180319M1_7	Standard	50.000	5.99	6281.090	17314.877	54.414	59.8	19.6	NO	0.995	NO	bb
7	7 180319M1_8	Standard	250.000	5.99	28816.209	16348.882	264.387	291.8	16.7	NO	0.995	NO	bb
8	8 180319M1_9	Standard	500.000	5.99	52653.223	15781.463	500.460	552.6	10.5	NO	0.995	NO	bb
9	9 180319M1_10	Standard	1250.000	6.00	122386.680	15947.396	1151.160	1271.6	1.7	NO	0.995	NO	bb
10	10 180319M1_11	Standard	2500.000	5.99	218862.234	15275.432	2149.159	2374.3	-5.0	NO	0.995	NO	bb

**Compound name: PFTrDA**

Coefficient of Determination:  $R^2 = 0.998632$

Calibration curve:  $-8.13429e-005 * x^2 + 1.63884 * x + -0.292664$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180319M1_2	Standard	0.250	6.09	470.669	13930.053	0.422	0.4	74.5	YES	0.999	NO	bbX
2	2 180319M1_3	Standard	0.500	6.09	760.695	15488.944	0.614	0.6	10.6	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	6.09	1491.828	12166.000	1.533	1.1	11.4	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	6.10	3263.388	13310.474	3.065	2.0	2.4	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	6.10	7414.903	14613.762	6.342	4.0	-19.0	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	6.09	15687.093	13996.311	14.010	8.7	-12.7	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	6.09	85747.813	11821.313	90.671	55.7	11.3	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	6.09	150592.172	12092.908	155.662	95.6	-4.4	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	6.10	378198.156	11656.614	405.562	250.8	0.3	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	6.09	702840.063	10999.308	798.732	500.0	-0.0	NO	0.999	NO	bb



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**Compound name: PFTeDA**

Coefficient of Determination: R<sup>2</sup> = 0.997491

Calibration curve:  $-0.00095114 * x^2 + 1.78931 * x + 0.022236$

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 180319M1_2	Standard	0.250	6.30	463.559	11952.184	0.485	0.3	3.4	NO	0.997	NO	bb
2	2 180319M1_3	Standard	0.500	6.30	805.107	11131.272	0.904	0.5	-1.4	NO	0.997	NO	bb
3	3 180319M1_4	Standard	1.000	6.31	1503.379	10386.070	1.809	1.0	-0.1	NO	0.997	NO	bb
4	4 180319M1_5	Standard	2.000	6.31	3105.694	11220.891	3.460	1.9	-3.8	NO	0.997	NO	bb
5	5 180319M1_6	Standard	5.000	6.31	6808.958	10170.584	8.368	4.7	-6.5	NO	0.997	NO	bb
6	6 180319M1_7	Standard	10.000	6.30	14735.001	9429.739	19.533	11.0	9.7	NO	0.997	NO	bb
7	7 180319M1_8	Standard	50.000	6.30	68285.828	9317.145	91.613	52.7	5.3	NO	0.997	NO	bb
8	8 180319M1_9	Standard	100.000	6.31	113813.148	9325.800	152.551	89.5	-10.5	NO	0.997	NO	bb
9	9 180319M1_10	Standard	250.000	6.31	312618.000	9651.552	404.880	263.0	5.2	NO	0.997	NO	bb
10	10 180319M1_11	Standard	500.000	6.31	519009.375	9960.927	651.307	493.4	-1.3	NO	0.997	NO	bb

**Compound name: N-EtFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999795

Calibration curve:  $-1.93892e-005 * x^2 + 0.886434 * x + 0.10142$

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 180319M1_2	Standard	1.250	6.38	189.816	20826.258	1.367	1.4	14.2	NO	1.000	NO	bb
2	2 180319M1_3	Standard	2.500	6.38	313.390	22062.979	2.131	2.3	-8.4	NO	1.000	NO	bb
3	3 180319M1_4	Standard	5.000	6.39	611.291	20920.986	4.383	4.8	-3.4	NO	1.000	NO	bb
4	4 180319M1_5	Standard	10.000	6.39	1445.019	23263.145	9.317	10.4	4.0	NO	1.000	NO	bb
5	5 180319M1_6	Standard	25.000	6.39	3104.095	23792.150	19.570	22.0	-12.1	NO	1.000	NO	bb
6	6 180319M1_7	Standard	50.000	6.38	7441.043	24171.568	46.176	52.0	4.1	NO	1.000	NO	bb
7	7 180319M1_8	Standard	250.000	6.38	33510.676	22541.793	222.990	252.8	1.1	NO	1.000	NO	bb
8	8 180319M1_9	Standard	500.000	6.38	62877.934	21190.584	445.089	507.6	1.5	NO	1.000	NO	bb
9	9 180319M1_10	Standard	1250.000	6.39	142275.406	20053.801	1064.203	1233.7	-1.3	NO	1.000	NO	bb
10	10 180319M1_11	Standard	2500.000	6.39	248533.844	17750.354	2100.244	2506.6	0.3	NO	1.000	NO	bb



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**Compound name: PFHxDA**

Coefficient of Determination:  $R^2 = 0.999613$

Calibration curve:  $-0.000261808 * x^2 + 0.474141 * x + 0.0614007$

Response type: Internal Std ( Ref 54 ), 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 180319M1_2	Standard	0.250	6.62	311.213	7297.538	0.213	0.3	28.1	NO	1.000	NO	bb
2	2 180319M1_3	Standard	0.500	6.62	451.508	7848.418	0.288	0.5	-4.5	NO	1.000	NO	bb
3	3 180319M1_4	Standard	1.000	6.62	751.741	7337.650	0.512	1.0	-4.9	NO	1.000	NO	bb
4	4 180319M1_5	Standard	2.000	6.62	1529.879	8025.364	0.953	1.9	-5.9	NO	1.000	NO	bb
5	5 180319M1_6	Standard	5.000	6.62	3410.111	8183.782	2.083	4.3	-14.5	NO	1.000	NO	bb
6	6 180319M1_7	Standard	10.000	6.62	7606.625	7745.548	4.910	10.3	2.9	NO	1.000	NO	bb
7	7 180319M1_8	Standard	50.000	6.62	33909.992	7585.913	22.351	48.3	-3.4	NO	1.000	NO	bb
8	8 180319M1_9	Standard	100.000	6.62	62391.016	6842.835	45.589	101.7	1.7	NO	1.000	NO	bb
9	9 180319M1_10	Standard	250.000	6.62	151568.109	7360.226	102.964	252.1	0.9	NO	1.000	NO	bb
10	10 180319M1_11	Standard	500.000	6.62	269192.219	7859.838	171.245	498.0	-0.4	NO	1.000	NO	bb

**Compound name: PFODA**

Coefficient of Determination:  $R^2 = 0.999435$

Calibration curve:  $-0.000577012 * x^2 + 1.07714 * x + -0.0220839$

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 180319M1_2	Standard	0.250	6.84	427.966	7297.538	0.293	0.3	17.1	NO	0.999	NO	bb
2	2 180319M1_3	Standard	0.500	6.85	761.238	7848.418	0.485	0.5	-5.8	NO	0.999	NO	bb
3	3 180319M1_4	Standard	1.000	6.85	1479.703	7337.650	1.008	1.0	-4.3	NO	0.999	NO	bb
4	4 180319M1_5	Standard	2.000	6.85	3434.126	8025.364	2.140	2.0	0.4	NO	0.999	NO	bb
5	5 180319M1_6	Standard	5.000	6.85	7549.055	8183.782	4.612	4.3	-13.8	NO	0.999	NO	bb
6	6 180319M1_7	Standard	10.000	6.85	16337.397	7745.548	10.546	9.9	-1.4	NO	0.999	NO	bb
7	7 180319M1_8	Standard	50.000	6.85	76145.297	7585.913	50.189	47.8	-4.3	NO	0.999	NO	bb
8	8 180319M1_9	Standard	100.000	6.84	145140.875	6842.835	106.053	104.3	4.3	NO	0.999	NO	bb
9	9 180319M1_10	Standard	250.000	6.85	342022.813	7360.226	232.345	248.9	-0.4	NO	0.999	NO	bb
10	10 180319M1_11	Standard	500.000	6.85	619556.938	7859.838	394.128	499.7	-0.1	NO	0.999	NO	bb

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**Compound name: N-MeFOSE**

Correlation coefficient:  $r = 0.998908$ ,  $r^2 = 0.997817$

Calibration curve:  $0.919698 * x + -0.26993$

Response type: Internal Std ( Ref 55 ), 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 180319M1_2	Standard	1.250	6.51	143.610	19097.568	1.128	1.5	21.6	NO	0.998	NO	bb
2	2 180319M1_3	Standard	2.500	6.52	229.817	18462.408	1.867	2.3	-7.1	NO	0.998	NO	bb
3	3 180319M1_4	Standard	5.000	6.52	528.008	16264.236	4.870	5.6	11.8	NO	0.998	NO	bb
4	4 180319M1_5	Standard	10.000	6.52	1248.134	21957.535	8.526	9.6	-4.4	NO	0.998	NO	bb
5	5 180319M1_6	Standard	25.000	6.52	2748.758	19157.193	21.523	23.7	-5.2	NO	0.998	NO	bb
6	6 180319M1_7	Standard	50.000	6.51	6061.402	23216.043	39.163	42.9	-14.2	NO	0.998	NO	bb
7	7 180319M1_8	Standard	250.000	6.51	29617.754	20096.227	221.070	240.7	-3.7	NO	0.998	NO	bb
8	8 180319M1_9	Standard	500.000	6.52	55522.430	18840.355	442.049	480.9	-3.8	NO	0.998	NO	bb
9	9 180319M1_10	Standard	1250.000	6.52	144947.984	17648.213	1231.977	1339.8	7.2	NO	0.998	NO	bb
10	10 180319M1_11	Standard	2500.000	6.52	275025.969	18335.143	2249.990	2446.7	-2.1	NO	0.998	NO	bb

**Compound name: N-EtFOSE**

Correlation coefficient:  $r = 0.998740$ ,  $r^2 = 0.997481$

Calibration curve:  $1.16827 * x + -0.227149$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180319M1_2	Standard	1.250	6.66	167.242	15696.701	1.598	1.6	25.0	NO	0.997	NO	bb
2	2 180319M1_3	Standard	2.500	6.66	308.174	16718.797	2.765	2.6	2.4	NO	0.997	NO	bb
3	3 180319M1_4	Standard	5.000	6.66	619.696	15667.486	5.933	5.3	5.5	NO	0.997	NO	bb
4	4 180319M1_5	Standard	10.000	6.67	1291.039	18837.293	10.280	9.0	-10.1	NO	0.997	NO	bb
5	5 180319M1_6	Standard	25.000	6.67	3108.701	19125.645	24.381	21.1	-15.7	NO	0.997	NO	bb
6	6 180319M1_7	Standard	50.000	6.66	7420.896	18483.211	60.224	51.7	3.5	NO	0.997	NO	bb
7	7 180319M1_8	Standard	250.000	6.66	32996.449	19021.578	260.203	222.9	-10.8	NO	0.997	NO	bb
8	8 180319M1_9	Standard	500.000	6.66	63523.883	15931.751	598.088	512.1	2.4	NO	0.997	NO	bb
9	9 180319M1_10	Standard	1250.000	6.67	162935.438	17760.811	1376.081	1178.1	-5.8	NO	0.997	NO	bb
10	10 180319M1_11	Standard	2500.000	6.66	312705.250	15506.517	3024.908	2589.4	3.6	NO	0.997	NO	bb

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**Compound name: 13C3-PFBA**

Response Factor: 0.865436

RRF SD: 0.0756804, Relative SD: 8.74478

Response type: Internal Std ( Ref 57 ), 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 180319M1_2	Standard	12.500	1.55	5477.139	5962.343	11.483	13.3	6.1	NO		NO	db
2	2 180319M1_3	Standard	12.500	1.53	5365.513	6389.527	10.497	12.1	-3.0	NO		NO	MM
3	3 180319M1_4	Standard	12.500	1.55	4632.604	5820.361	9.949	11.5	-8.0	NO		NO	MM
4	4 180319M1_5	Standard	12.500	1.55	5624.519	6323.051	11.119	12.8	2.8	NO		NO	MM
5	5 180319M1_6	Standard	12.500	1.53	6010.007	6423.761	11.695	13.5	8.1	NO		NO	db
6	6 180319M1_7	Standard	12.500	1.56	5701.724	6195.092	11.505	13.3	6.3	NO		NO	db
7	7 180319M1_8	Standard	12.500	1.54	6076.792	6595.639	11.517	13.3	6.5	NO		NO	db
8	8 180319M1_9	Standard	12.500	1.54	5617.144	8164.305	8.600	9.9	-20.5	NO		NO	db
9	9 180319M1_10	Standard	12.500	1.53	5687.743	6511.114	10.919	12.6	0.9	NO		NO	MM
10	10 180319M1_11	Standard	12.500	1.56	5597.499	6421.364	10.896	12.6	0.7	NO		NO	MM

**Compound name: 13C3-PFPeA**

Response Factor: 0.8245

RRF SD: 0.0318278, Relative SD: 3.86026

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	12.500	2.54	9433.855	11021.474	10.699	13.0	3.8	NO		NO	bb
2	2 180319M1_3	Standard	12.500	2.53	9445.849	11165.377	10.575	12.8	2.6	NO		NO	bb
3	3 180319M1_4	Standard	12.500	2.54	8701.716	10217.641	10.645	12.9	3.3	NO		NO	bb
4	4 180319M1_5	Standard	12.500	2.54	9946.323	11515.308	10.797	13.1	4.8	NO		NO	bb
5	5 180319M1_6	Standard	12.500	2.54	10036.646	12046.814	10.414	12.6	1.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	2.54	10093.655	12582.531	10.027	12.2	-2.7	NO		NO	bb
7	7 180319M1_8	Standard	12.500	2.54	9619.811	12149.781	9.897	12.0	-4.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	2.54	9107.415	11472.818	9.923	12.0	-3.7	NO		NO	bb
9	9 180319M1_10	Standard	12.500	2.54	8465.941	10959.810	9.656	11.7	-6.3	NO		NO	bb
10	10 180319M1_11	Standard	12.500	2.54	8188.216	9814.605	10.429	12.6	1.2	NO		NO	bb

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**Compound name: 13C3-PFBS**

Response Factor: 0.0965013

RRF SD: 0.00536243, Relative SD: 5.55685

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	12.500	2.82	1144.216	11021.474	1.298	13.4	7.6	NO		NO	bb
2	2 180319M1_3	Standard	12.500	2.81	1125.659	11165.377	1.260	13.1	4.5	NO		NO	bb
3	3 180319M1_4	Standard	12.500	2.81	1047.771	10217.641	1.282	13.3	6.3	NO		NO	bb
4	4 180319M1_5	Standard	12.500	2.81	1168.499	11515.308	1.268	13.1	5.2	NO		NO	bb
5	5 180319M1_6	Standard	12.500	2.81	1167.524	12046.814	1.211	12.6	0.4	NO		NO	bb
6	6 180319M1_7	Standard	12.500	2.82	1172.590	12582.531	1.165	12.1	-3.4	NO		NO	bb
7	7 180319M1_8	Standard	12.500	2.81	1071.382	12149.781	1.102	11.4	-8.6	NO		NO	bb
8	8 180319M1_9	Standard	12.500	2.81	1053.048	11472.818	1.147	11.9	-4.9	NO		NO	bb
9	9 180319M1_10	Standard	12.500	2.81	1024.839	10959.810	1.169	12.1	-3.1	NO		NO	bb
10	10 180319M1_11	Standard	12.500	2.81	910.569	9814.605	1.160	12.0	-3.9	NO		NO	bb

**Compound name: 13C2-PFHxA**

Response Factor: 0.755351

RRF SD: 0.0345226, Relative SD: 4.57041

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	5.000	3.30	3494.147	11021.474	3.963	5.2	4.9	NO		NO	bb
2	2 180319M1_3	Standard	5.000	3.30	3358.135	11165.377	3.760	5.0	-0.5	NO		NO	bb
3	3 180319M1_4	Standard	5.000	3.30	3092.193	10217.641	3.783	5.0	0.2	NO		NO	bb
4	4 180319M1_5	Standard	5.000	3.30	3756.618	11515.308	4.078	5.4	8.0	NO		NO	bb
5	5 180319M1_6	Standard	5.000	3.31	3507.995	12046.814	3.640	4.8	-3.6	NO		NO	bb
6	6 180319M1_7	Standard	5.000	3.30	3768.309	12582.531	3.744	5.0	-0.9	NO		NO	bb
7	7 180319M1_8	Standard	5.000	3.31	3462.115	12149.781	3.562	4.7	-5.7	NO		NO	bb
8	8 180319M1_9	Standard	5.000	3.31	3303.046	11472.818	3.599	4.8	-4.7	NO		NO	bb
9	9 180319M1_10	Standard	5.000	3.31	3223.642	10959.810	3.677	4.9	-2.7	NO		NO	bb
10	10 180319M1_11	Standard	5.000	3.30	3111.971	9814.605	3.963	5.2	4.9	NO		NO	bb

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**Compound name: 13C4-PFHpA**

Response Factor: 0.704944

RRF SD: 0.0436063, Relative SD: 6.18579

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	12.500	3.91	8706.937	11021.474	9.875	14.0	12.1	NO		NO	bb
2	2 180319M1_3	Standard	12.500	3.92	8432.579	11165.377	9.441	13.4	7.1	NO		NO	bb
3	3 180319M1_4	Standard	12.500	3.92	7156.992	10217.641	8.756	12.4	-0.6	NO		NO	bb
4	4 180319M1_5	Standard	12.500	3.92	8527.155	11515.308	9.256	13.1	5.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	3.92	7976.337	12046.814	8.276	11.7	-6.1	NO		NO	bb
6	6 180319M1_7	Standard	12.500	3.92	8262.099	12582.531	8.208	11.6	-6.9	NO		NO	bb
7	7 180319M1_8	Standard	12.500	3.92	8526.442	12149.781	8.772	12.4	-0.4	NO		NO	bb
8	8 180319M1_9	Standard	12.500	3.92	7754.237	11472.818	8.448	12.0	-4.1	NO		NO	bb
9	9 180319M1_10	Standard	12.500	3.92	7407.202	10959.810	8.448	12.0	-4.1	NO		NO	bb
10	10 180319M1_11	Standard	12.500	3.92	6781.743	9814.605	8.637	12.3	-2.0	NO		NO	bb

**Compound name: 18O2-PFHxS**

Response Factor: 0.323795

RRF SD: 0.0204984, Relative SD: 6.33067

Response type: Internal Std ( Ref 59 ), 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 180319M1_2	Standard	12.500	4.06	773.380	2354.614	4.106	12.7	1.4	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.07	826.202	2438.303	4.236	13.1	4.6	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.07	710.588	2152.557	4.126	12.7	2.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.07	844.609	2468.222	4.277	13.2	5.7	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.07	824.742	2706.063	3.810	11.8	-5.9	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.06	821.790	2609.363	3.937	12.2	-2.7	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.07	785.534	2618.370	3.750	11.6	-7.3	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.07	816.881	2256.666	4.525	14.0	11.8	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.07	719.531	2258.341	3.983	12.3	-1.6	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.07	626.653	2102.638	3.725	11.5	-8.0	NO		NO	bb

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**Compound name: 13C2-6:2 FTS**

Response Factor: 0.253847

RRF SD: 0.0180758, Relative SD: 7.12072

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 180319M1_2	Standard	12.500	4.38	3105.582	12147.449	3.196	12.6	0.7	NO		NO	bbX
2	2 180319M1_3	Standard	12.500	4.39	2822.410	11463.843	3.078	12.1	-3.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.39	2605.032	11492.933	2.833	11.2	-10.7	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.39	3114.115	12496.999	3.115	12.3	-1.8	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.39	3013.272	12329.497	3.055	12.0	-3.7	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.38	3205.818	12335.479	3.249	12.8	2.4	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.39	3276.112	12206.287	3.355	13.2	5.7	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.39	3492.243	12375.094	3.527	13.9	11.2	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.39	4829.778	10911.637	5.533	21.8	74.4	NO		NO	bbX
10	10 180319M1_11	Standard	12.500	4.39	6987.503	10667.628	8.188	32.3	158.0	NO		NO	bbX

**Compound name: 13C2-PFOA**

Response Factor: 1.00296

RRF SD: 0.0351076, Relative SD: 3.50038

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 180319M1_2	Standard	12.500	4.43	12585.698	12147.449	12.951	12.9	3.3	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.44	11641.323	11463.843	12.694	12.7	1.2	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.44	10984.008	11492.933	11.946	11.9	-4.7	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.44	12680.479	12496.999	12.684	12.6	1.2	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.44	12455.681	12329.497	12.628	12.6	0.7	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.43	12684.067	12335.479	12.853	12.8	2.5	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.44	12290.584	12206.287	12.586	12.5	0.4	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.44	11477.988	12375.094	11.594	11.6	-7.5	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.44	11298.393	10911.637	12.943	12.9	3.2	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.44	10660.386	10667.628	12.492	12.5	-0.4	NO		NO	bb

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**Compound name: 13C5-PFNA**

Response Factor: 0.978488

RRF SD: 0.0789859, Relative SD: 8.07225

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 180319M1_2	Standard	12.500	4.86	13101.696	14198.313	11.535	11.8	-5.7	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.87	14154.476	12778.720	13.846	14.2	13.2	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.87	12563.717	12820.119	12.250	12.5	0.2	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.87	13157.215	13886.237	11.844	12.1	-3.2	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.87	14197.047	14194.663	12.502	12.8	2.2	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.87	13937.970	15265.220	11.413	11.7	-6.7	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.87	12767.838	12740.988	12.526	12.8	2.4	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.87	12921.100	12323.473	13.106	13.4	7.2	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.88	11956.839	11569.267	12.919	13.2	5.6	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.87	10163.715	12250.923	10.370	10.6	-15.2	NO		NO	bb

**Compound name: 13C8-PFOA**

Response Factor: 0.218882

RRF SD: 0.0225326, Relative SD: 10.2944

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 180319M1_2	Standard	12.500	4.93	3379.414	17151.291	2.463	11.3	-10.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.93	3037.262	15783.785	2.405	11.0	-12.1	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.94	3173.010	14206.380	2.792	12.8	2.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.94	3531.039	16922.547	2.608	11.9	-4.7	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.94	3323.113	16841.438	2.466	11.3	-9.9	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.93	3794.303	15226.232	3.115	14.2	13.8	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.94	3504.815	13600.361	3.221	14.7	17.7	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.94	3081.946	14970.342	2.573	11.8	-5.9	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.94	2925.835	12631.990	2.895	13.2	5.8	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.93	2565.696	11370.923	2.820	12.9	3.1	NO		NO	bb



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**Compound name: 13C8-PFOS**

Response Factor: 1.04919

RRF SD: 0.0766326, Relative SD: 7.30395

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 180319M1_2	Standard	12.500	4.94	2618.331	2402.426	13.623	13.0	3.9	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.95	2516.511	2416.234	13.019	12.4	-0.7	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.95	2350.714	2312.504	12.707	12.1	-3.1	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.95	2937.195	2488.981	14.751	14.1	12.5	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.95	2574.882	2309.416	13.937	13.3	6.3	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.95	2611.000	2483.478	13.142	12.5	0.2	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.95	2732.663	2472.600	13.815	13.2	5.3	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.95	2228.736	2197.081	12.680	12.1	-3.3	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.96	2188.590	2331.586	11.733	11.2	-10.5	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.95	1974.084	2101.410	11.743	11.2	-10.5	NO		NO	bb

**Compound name: 13C2-PFDA**

Response Factor: 1.02263

RRF SD: 0.0931932, Relative SD: 9.11312

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 180319M1_2	Standard	12.500	5.24	13838.919	12657.263	13.667	13.4	6.9	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.24	11741.080	13610.908	10.783	10.5	-15.6	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.24	11307.035	11908.844	11.868	11.6	-7.2	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.25	14562.491	12510.606	14.550	14.2	13.8	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.25	11788.538	11289.448	13.053	12.8	2.1	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.24	13368.551	13722.827	12.177	11.9	-4.7	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.24	14045.484	12925.130	13.584	13.3	6.3	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.24	10943.717	11717.867	11.674	11.4	-8.7	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.25	10800.217	10694.497	12.624	12.3	-1.2	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.24	11541.489	10417.301	13.849	13.5	8.3	NO		NO	bb



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**Compound name: 13C2-8:2 FTS**

Response Factor: 0.224032

RRF SD: 0.0314535, Relative SD: 14.0397

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	12.500	5.21	2779.052	11021.474	3.152	14.1	12.6	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.21	2566.433	11165.377	2.873	12.8	2.6	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.22	2116.685	10217.641	2.589	11.6	-7.5	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.22	2425.499	11515.308	2.633	11.8	-6.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.22	2388.113	12046.814	2.478	11.1	-11.5	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.21	2225.347	12582.531	2.211	9.9	-21.1	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.21	2983.433	12149.781	3.069	13.7	9.6	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.22	3118.426	11472.818	3.398	15.2	21.3	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.22	4001.802	10959.810	4.564	20.4	63.0	NO		NO	bbX
10	10 180319M1_11	Standard	12.500	5.21	5189.083	9814.605	6.609	29.5	136.0	NO		NO	bbX

**Compound name: d3-N-MeFOSAA**

Response Factor: 0.394517

RRF SD: 0.0450518, Relative SD: 11.4195

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 180319M1_2	Standard	12.500	5.38	5704.182	17151.291	4.157	10.5	-15.7	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.39	5869.186	15783.785	4.648	11.8	-5.7	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.39	5007.120	14206.380	4.406	11.2	-10.7	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.39	6441.174	16922.547	4.758	12.1	-3.5	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.39	6582.732	16841.438	4.886	12.4	-0.9	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.39	6082.800	15226.232	4.994	12.7	1.3	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.39	6215.181	13600.361	5.712	14.5	15.8	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.39	5415.241	14970.342	4.522	11.5	-8.3	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.40	5401.760	12631.990	5.345	13.5	8.4	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.39	5355.234	11370.923	5.887	14.9	19.4	NO		NO	bb

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**Compound name: d5-N-EtFOSAA**

Response Factor: 0.424723

RRF SD: 0.0425084, Relative SD: 10.0085

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 180319M1_2	Standard	12.500	5.54	6794.362	17151.291	4.952	11.7	-6.7	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.55	6518.009	15783.785	5.162	12.2	-2.8	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.55	5432.954	14206.380	4.780	11.3	-10.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.55	6697.650	16922.547	4.947	11.6	-6.8	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.55	7437.849	16841.438	5.520	13.0	4.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.54	7213.274	15226.232	5.922	13.9	11.5	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.55	6959.258	13600.361	6.396	15.1	20.5	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.55	5902.226	14970.342	4.928	11.6	-7.2	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.55	5635.574	12631.990	5.577	13.1	5.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.55	4462.514	11370.923	4.906	11.6	-7.6	NO		NO	bb

**Compound name: 13C2-PFUdA**

Response Factor: 0.961995

RRF SD: 0.0978391, Relative SD: 10.1704

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 180319M1_2	Standard	12.500	5.56	17353.035	17151.291	12.647	13.1	5.2	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.57	12477.949	15783.785	9.882	10.3	-17.8	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.57	13386.956	14206.380	11.779	12.2	-2.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.57	13630.231	16922.547	10.068	10.5	-16.3	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.57	15654.381	16841.438	11.619	12.1	-3.4	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.56	15803.856	15226.232	12.974	13.5	7.9	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.57	14007.742	13600.361	12.874	13.4	7.1	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.57	14431.378	14970.342	12.050	12.5	0.2	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.57	13044.665	12631.990	12.908	13.4	7.3	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.57	12232.795	11370.923	13.447	14.0	11.8	NO		NO	bb

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**Compound name: 13C2-PFDoA**

Response Factor: 0.879047

RRF SD: 0.0671822, Relative SD: 7.64262

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 180319M1_2	Standard	12.500	5.84	13930.053	17151.291	10.152	11.5	-7.6	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.84	15488.944	15783.785	12.267	14.0	11.6	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.85	12166.000	14206.380	10.705	12.2	-2.6	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.85	13310.474	16922.547	9.832	11.2	-10.5	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.85	14613.762	16841.438	10.847	12.3	-1.3	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.84	13996.311	15226.232	11.490	13.1	4.6	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.84	11821.313	13600.361	10.865	12.4	-1.1	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.84	12092.908	14970.342	10.097	11.5	-8.1	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.85	11656.614	12631.990	11.535	13.1	5.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.85	10999.308	11370.923	12.091	13.8	10.0	NO		NO	bb

**Compound name: d3-N-MeFOSA**

Response Factor: 0.091569

RRF SD: 0.0109967, Relative SD: 12.0092

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 180319M1_2	Standard	150.000	6.01	16111.881	17151.291	11.742	128.2	-14.5	NO		NO	bb
2	2 180319M1_3	Standard	150.000	6.01	16050.539	15783.785	12.711	138.8	-7.5	NO		NO	bb
3	3 180319M1_4	Standard	150.000	6.02	14563.787	14206.380	12.814	139.9	-6.7	NO		NO	bb
4	4 180319M1_5	Standard	150.000	6.03	16751.799	16922.547	12.374	135.1	-9.9	NO		NO	bb
5	5 180319M1_6	Standard	150.000	6.02	17138.293	16841.438	12.720	138.9	-7.4	NO		NO	bb
6	6 180319M1_7	Standard	150.000	6.01	17314.877	15226.232	14.215	155.2	3.5	NO		NO	bb
7	7 180319M1_8	Standard	150.000	6.01	16348.882	13600.361	15.026	164.1	9.4	NO		NO	bb
8	8 180319M1_9	Standard	150.000	6.02	15781.463	14970.342	13.177	143.9	-4.1	NO		NO	bb
9	9 180319M1_10	Standard	150.000	6.03	15947.396	12631.990	15.781	172.3	14.9	NO		NO	bb
10	10 180319M1_11	Standard	150.000	6.02	15275.432	11370.923	16.792	183.4	22.3	NO		NO	bb

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**Compound name: 13C2-PFTeDA**

Response Factor: 0.696755

RRF SD: 0.0811351, Relative SD: 11.6447

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 180319M1_2	Standard	12.500	6.30	11952.184	17151.291	8.711	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	6.31	11131.272	15783.785	8.815	12.7	1.2	NO		NO	bb
3	3 180319M1_4	Standard	12.500	6.31	10386.070	14206.380	9.139	13.1	4.9	NO		NO	bb
4	4 180319M1_5	Standard	12.500	6.31	11220.891	16922.547	8.288	11.9	-4.8	NO		NO	bb
5	5 180319M1_6	Standard	12.500	6.31	10170.584	16841.438	7.549	10.8	-13.3	NO		NO	bb
6	6 180319M1_7	Standard	12.500	6.30	9429.739	15226.232	7.741	11.1	-11.1	NO		NO	bb
7	7 180319M1_8	Standard	12.500	6.30	9317.145	13600.361	8.563	12.3	-1.7	NO		NO	bb
8	8 180319M1_9	Standard	12.500	6.31	9325.800	14970.342	7.787	11.2	-10.6	NO		NO	bb
9	9 180319M1_10	Standard	12.500	6.31	9651.552	12631.990	9.551	13.7	9.7	NO		NO	bb
10	10 180319M1_11	Standard	12.500	6.31	9960.927	11370.923	10.950	15.7	25.7	NO		NO	bb

**Compound name: d5-N-ETFOSA**

Response Factor: 0.122343

RRF SD: 0.011005, Relative SD: 8.99518

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 180319M1_2	Standard	150.000	6.39	20826.258	17151.291	15.178	124.1	-17.3	NO		NO	bb
2	2 180319M1_3	Standard	150.000	6.40	22062.979	15783.785	17.473	142.8	-4.8	NO		NO	bb
3	3 180319M1_4	Standard	150.000	6.40	20920.986	14206.380	18.408	150.5	0.3	NO		NO	bb
4	4 180319M1_5	Standard	150.000	6.41	23263.145	16922.547	17.184	140.5	-6.4	NO		NO	bb
5	5 180319M1_6	Standard	150.000	6.41	23792.150	16841.438	17.659	144.3	-3.8	NO		NO	bb
6	6 180319M1_7	Standard	150.000	6.39	24171.568	15226.232	19.844	162.2	8.1	NO		NO	bb
7	7 180319M1_8	Standard	150.000	6.39	22541.793	13600.361	20.718	169.3	12.9	NO		NO	bb
8	8 180319M1_9	Standard	150.000	6.40	21190.584	14970.342	17.694	144.6	-3.6	NO		NO	bb
9	9 180319M1_10	Standard	150.000	6.41	20053.801	12631.990	19.844	162.2	8.1	NO		NO	bb
10	10 180319M1_11	Standard	150.000	6.40	17750.354	11370.923	19.513	159.5	6.3	NO		NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

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**Compound name: 13C2-PFHxDA**

Response Factor: 1.29921

RRF SD: 0.189065, Relative SD: 14.5522

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 180319M1_2	Standard	5.000	6.62	7297.538	17151.291	5.319	4.1	-18.1	NO		NO	bb
2	2 180319M1_3	Standard	5.000	6.62	7848.418	15783.785	6.216	4.8	-4.3	NO		NO	bb
3	3 180319M1_4	Standard	5.000	6.62	7337.650	14206.380	6.456	5.0	-0.6	NO		NO	bb
4	4 180319M1_5	Standard	5.000	6.62	8025.364	16922.547	5.928	4.6	-8.7	NO		NO	bb
5	5 180319M1_6	Standard	5.000	6.62	8183.782	16841.438	6.074	4.7	-6.5	NO		NO	bb
6	6 180319M1_7	Standard	5.000	6.62	7745.548	15226.232	6.359	4.9	-2.1	NO		NO	bb
7	7 180319M1_8	Standard	5.000	6.62	7585.913	13600.361	6.972	5.4	7.3	NO		NO	bb
8	8 180319M1_9	Standard	5.000	6.62	6842.835	14970.342	5.714	4.4	-12.0	NO		NO	bb
9	9 180319M1_10	Standard	5.000	6.62	7360.226	12631.990	7.283	5.6	12.1	NO		NO	bb
10	10 180319M1_11	Standard	5.000	6.62	7859.838	11370.923	8.640	6.7	33.0	NO		NO	bb

**Compound name: d7-N-MeFOSE**

Response Factor: 0.109446

RRF SD: 0.0149924, Relative SD: 13.6985

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 180319M1_2	Standard	150.000	6.50	19097.568	17151.291	13.918	127.2	-15.2	NO		NO	bb
2	2 180319M1_3	Standard	150.000	6.51	18462.408	15783.785	14.621	133.6	-10.9	NO		NO	bb
3	3 180319M1_4	Standard	150.000	6.51	16264.236	14206.380	14.311	130.8	-12.8	NO		NO	bb
4	4 180319M1_5	Standard	150.000	6.51	21957.535	16922.547	16.219	148.2	-1.2	NO		NO	bb
5	5 180319M1_6	Standard	150.000	6.51	19157.193	16841.438	14.219	129.9	-13.4	NO		NO	bb
6	6 180319M1_7	Standard	150.000	6.51	23216.043	15226.232	19.059	174.1	16.1	NO		NO	bb
7	7 180319M1_8	Standard	150.000	6.51	20096.227	13600.361	18.470	168.8	12.5	NO		NO	bb
8	8 180319M1_9	Standard	150.000	6.51	18840.355	14970.342	15.731	143.7	-4.2	NO		NO	bb
9	9 180319M1_10	Standard	150.000	6.51	17648.213	12631.990	17.464	159.6	6.4	NO		NO	bb
10	10 180319M1_11	Standard	150.000	6.51	18335.143	11370.923	20.156	184.2	22.8	NO		NO	bb

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**Compound name: d9-N-EtFOSE**

Response Factor: 0.0981042

RRF SD: 0.0137267, Relative SD: 13.992

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 180319M1_2	Standard	150.000	6.65	15696.701	17151.291	11.440	116.6	-22.3	NO		NO	bb
2	2 180319M1_3	Standard	150.000	6.65	16718.797	15783.785	13.240	135.0	-10.0	NO		NO	bb
3	3 180319M1_4	Standard	150.000	6.66	15667.486	14206.380	13.786	140.5	-6.3	NO		NO	bb
4	4 180319M1_5	Standard	150.000	6.66	18837.293	16922.547	13.914	141.8	-5.4	NO		NO	bb
5	5 180319M1_6	Standard	150.000	6.66	19125.645	16841.438	14.195	144.7	-3.5	NO		NO	bb
6	6 180319M1_7	Standard	150.000	6.65	18483.211	15226.232	15.174	154.7	3.1	NO		NO	bb
7	7 180319M1_8	Standard	150.000	6.65	19021.578	13600.361	17.483	178.2	18.8	NO		NO	bb
8	8 180319M1_9	Standard	150.000	6.65	15931.751	14970.342	13.303	135.6	-9.6	NO		NO	bb
9	9 180319M1_10	Standard	150.000	6.66	17760.811	12631.990	17.575	179.1	19.4	NO		NO	bb
10	10 180319M1_11	Standard	150.000	6.65	15506.517	11370.923	17.046	173.8	15.8	NO		NO	bb

**Compound name: 13C4-PFBA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 57 ), 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 180319M1_2	Standard	12.500	1.55	5962.343	5962.343	12.500	12.5	0.0	NO		NO	db
2	2 180319M1_3	Standard	12.500	1.53	6389.527	6389.527	12.500	12.5	0.0	NO		NO	db
3	3 180319M1_4	Standard	12.500	1.55	5820.361	5820.361	12.500	12.5	0.0	NO		NO	db
4	4 180319M1_5	Standard	12.500	1.55	6323.051	6323.051	12.500	12.5	0.0	NO		NO	db
5	5 180319M1_6	Standard	12.500	1.53	6423.761	6423.761	12.500	12.5	0.0	NO		NO	db
6	6 180319M1_7	Standard	12.500	1.56	6195.092	6195.092	12.500	12.5	0.0	NO		NO	db
7	7 180319M1_8	Standard	12.500	1.54	6595.639	6595.639	12.500	12.5	0.0	NO		NO	db
8	8 180319M1_9	Standard	12.500	1.54	8164.305	8164.305	12.500	12.5	0.0	NO		NO	db
9	9 180319M1_10	Standard	12.500	1.54	6511.114	6511.114	12.500	12.5	0.0	NO		NO	db
10	10 180319M1_11	Standard	12.500	1.56	6421.364	6421.364	12.500	12.5	0.0	NO		NO	db

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**Compound name: 13C5-PFHxA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 58 ), 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 180319M1_2	Standard	12.500	3.30	11021.474	11021.474	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	3.30	11165.377	11165.377	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	3.30	10217.641	10217.641	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	3.31	11515.308	11515.308	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	3.30	12046.814	12046.814	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	3.30	12582.531	12582.531	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	3.31	12149.781	12149.781	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	3.30	11472.818	11472.818	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	3.31	10959.810	10959.810	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	3.30	9814.605	9814.605	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C3-PFHxS**

Response Factor: 1

RRF SD: 3.70074e-017, Relative SD: 3.70074e-015

Response type: Internal Std ( Ref 59 ), 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 180319M1_2	Standard	12.500	4.06	2354.614	2354.614	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.07	2438.303	2438.303	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.07	2152.557	2152.557	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.07	2468.222	2468.222	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.07	2706.063	2706.063	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.07	2609.363	2609.363	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.07	2618.370	2618.370	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.07	2256.666	2256.666	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.07	2258.341	2258.341	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.06	2102.638	2102.638	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 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 180319M1_2	Standard	12.500	4.43	12147.449	12147.449	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.44	11463.843	11463.843	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.44	11492.933	11492.933	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.44	12496.999	12496.999	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.44	12329.497	12329.497	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.43	12335.479	12335.479	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.44	12206.287	12206.287	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.44	12375.094	12375.094	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.44	10911.637	10911.637	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.44	10667.628	10667.628	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

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 180319M1_2	Standard	12.500	4.86	14198.313	14198.313	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.87	12778.720	12778.720	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.87	12820.119	12820.119	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.88	13886.237	13886.237	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.87	14194.663	14194.663	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.87	15265.220	15265.220	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.87	12740.988	12740.988	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.87	12323.473	12323.473	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.88	11569.267	11569.267	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.87	12250.923	12250.923	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 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 180319M1_2	Standard	12.500	4.94	2402.426	2402.426	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	4.95	2416.234	2416.234	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	4.95	2312.504	2312.504	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	4.95	2488.981	2488.981	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	4.95	2309.416	2309.416	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	4.95	2483.478	2483.478	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	4.95	2472.600	2472.600	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	4.95	2197.081	2197.081	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	4.95	2331.586	2331.586	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	4.95	2101.410	2101.410	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C6-PFDA**

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

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 180319M1_2	Standard	12.500	5.24	12657.263	12657.263	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.24	13610.908	13610.908	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.24	11908.844	11908.844	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.25	12510.606	12510.606	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.25	11289.448	11289.448	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.24	13722.827	13722.827	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.24	12925.130	12925.130	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.24	11717.867	11717.867	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.25	10694.497	10694.497	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.24	10417.301	10417.301	12.500	12.5	0.0	NO		NO	bb

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**Compound name: 13C7-PFUDa**

Response Factor: 1

RRF SD: 1.28198e-016, Relative SD: 1.28198e-014

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 180319M1_2	Standard	12.500	5.56	17151.291	17151.291	12.500	12.5	0.0	NO		NO	bb
2	2 180319M1_3	Standard	12.500	5.57	15783.785	15783.785	12.500	12.5	0.0	NO		NO	bb
3	3 180319M1_4	Standard	12.500	5.57	14206.380	14206.380	12.500	12.5	0.0	NO		NO	bb
4	4 180319M1_5	Standard	12.500	5.57	16922.547	16922.547	12.500	12.5	0.0	NO		NO	bb
5	5 180319M1_6	Standard	12.500	5.57	16841.438	16841.438	12.500	12.5	0.0	NO		NO	bb
6	6 180319M1_7	Standard	12.500	5.56	15226.232	15226.232	12.500	12.5	0.0	NO		NO	bb
7	7 180319M1_8	Standard	12.500	5.56	13600.361	13600.361	12.500	12.5	0.0	NO		NO	bb
8	8 180319M1_9	Standard	12.500	5.57	14970.342	14970.342	12.500	12.5	0.0	NO		NO	bb
9	9 180319M1_10	Standard	12.500	5.57	12631.990	12631.990	12.500	12.5	0.0	NO		NO	bb
10	10 180319M1_11	Standard	12.500	5.57	11370.923	11370.923	12.500	12.5	0.0	NO		NO	bb

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 09:05:27

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	34	0.9994	NO	
2	2 PFPeA	35	0.9997	NO	
3	3 PFBS	36	0.9988	NO	
4	4 4:2 FTS	36	0.9986	NO	
5	5 PFHxA	37	0.9998	NO	
6	6 PFPeS	36	0.9993	NO	
7	7 PFHpA	38	0.9993	NO	
8	8 L-PFHxS	39	0.9988	NO	
9	9 Br-PFHxS	39		NO	
10	10 6:2 FTS	40	0.9915	NO	
11	11 L-PFOA	41	0.9997	NO	
12	12 Br-PFOA	41		NO	
13	13 PFHpS	41	0.9996	NO	
14	14 PFNA	42	0.9998	NO	
15	15 PFOSA	43	0.9997	NO	
16	16 L-PFOS	44	0.9988	NO	
17	17 Br-PFOS	44		NO	
18	18 PFDA	45	0.9968	NO	
19	19 8:2 FTS	46	0.9943	NO	
20	20 PFNS	44	0.9997	NO	
21	21 N-MeFOSAA	47	0.9984	NO	
22	22 N-EtFOSAA	48	0.9998	NO	
23	23 PFUdA	49	0.9995	NO	
24	24 PFDS	49	0.9996	NO	
25	25 PFDoA	50	0.9983	NO	
26	26 N-MeFOSA	51	0.9953	NO	
27	27 PFTrDA	50	0.9986	NO	
28	28 PFTeDA	52	0.9975	NO	
29	29 N-EtFOSA	53	0.9998	NO	
30	30 PFHxDA	54	0.9996	NO	
31	31 PFODA	54	0.9994	NO	

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:47:35 Pacific Daylight Time

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

#	Name	IS#	CoD	CoD Flag	%RSD
32	N-MeFOSE	55	0.9978	NO	
33	N-EtFOSE	56	0.9975	NO	
34	13C3-PFBA	57		NO	8.745
35	13C3-PFPeA	58		NO	3.860
36	13C3-PFBS	58		NO	5.557
37	13C2-PFHxA	58		NO	4.570
38	13C4-PFHpA	58		NO	6.186
39	18O2-PFHxS	59		NO	6.331
40	13C2-6:2 FTS	60		NO	7.121
41	13C2-PFOA	60		NO	3.500
42	13C5-PFNA	61		NO	8.072
43	13C8-PFOSA	64		NO	10.294
44	13C8-PFOS	62		NO	7.304
45	13C2-PFDA	63		NO	9.113
46	13C2-8:2 FTS	58		NO	14.040
47	d3-N-MeFOSAA	64		NO	11.419
48	d5-N-EtFOSAA	64		NO	10.008
49	13C2-PFUdA	64		NO	10.170
50	13C2-PFDoA	64		NO	7.643
51	d3-N-MeFOSA	64		NO	12.009
52	13C2-PFTeDA	64		NO	11.645
53	d5-N-ETFOSA	64		NO	8.995
54	13C2-PFHxDA	64		NO	14.552
55	d7-N-MeFOSE	64		NO	13.698
56	d9-N-EtFOSE	64		NO	13.992
57	13C4-PFBA	57		NO	0.000
58	13C5-PFHxA	58		NO	0.000
59	13C3-PFHxS	59		NO	0.000
60	13C8-PFOA	60		NO	0.000
61	13C9-PFNA	61		NO	0.000
62	13C4-PFOS	62		NO	0.000
63	13C6-PFDA	63		NO	0.000
64	13C7-PFUdA	64		NO	0.000

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, March 20, 2018 10:05:03 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:10:00 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_031918.mdb 20 Mar 2018 10:04:27

Calibration: 20 Mar 2018 10:05:03

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180319M1_1	IPA	19-Mar-18	19:00:24
2	180319M1_2	ST180319M1-1 PFC CS-2 18C1203	19-Mar-18	19:11:54
3	180319M1_3	ST180319M1-2 PFC CS-1 18C1204	19-Mar-18	19:23:23
4	180319M1_4	ST180319M1-3 PFC CS0 18C1205	19-Mar-18	19:34:52
5	180319M1_5	ST180319M1-4 PFC CS1 18C1206	19-Mar-18	19:46:21
6	180319M1_6	ST180319M1-5 PFC CS2 18C1207	19-Mar-18	19:57:51
7	180319M1_7	ST180319M1-6 PFC CS3 18C1208	19-Mar-18	20:09:20
8	180319M1_8	ST180319M1-7 PFC CS4 18C1209	19-Mar-18	20:20:50
9	180319M1_9	ST180319M1-8 PFC CS5 18C1210	19-Mar-18	20:32:19
10	180319M1_10	ST180319M1-9 PFC CS6 18C1211	19-Mar-18	20:43:48
11	180319M1_11	ST180319M1-10 PFC CS7 18C1212	19-Mar-18	20:55:18
12	180319M1_12	IPA	19-Mar-18	21:06:45
13	180319M1_13	ICV180319M1-1 PFC ICV 18C1202	19-Mar-18	21:18:15

Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 09:05:27

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

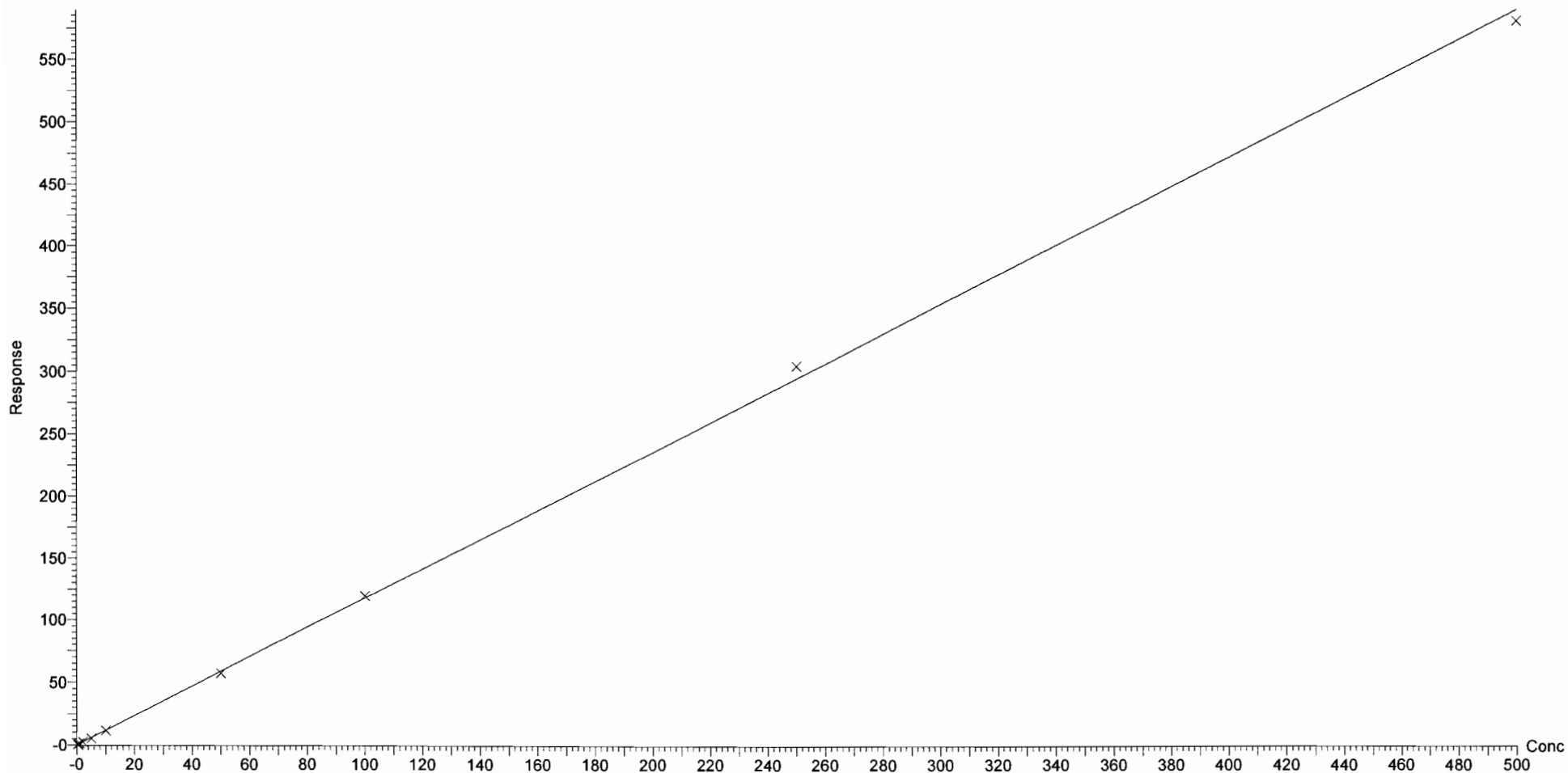
Compound name: PFBA

Correlation coefficient:  $r = 0.999697$ ,  $r^2 = 0.999394$

Calibration curve:  $1.17933 * x + -0.0439408$

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_cv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

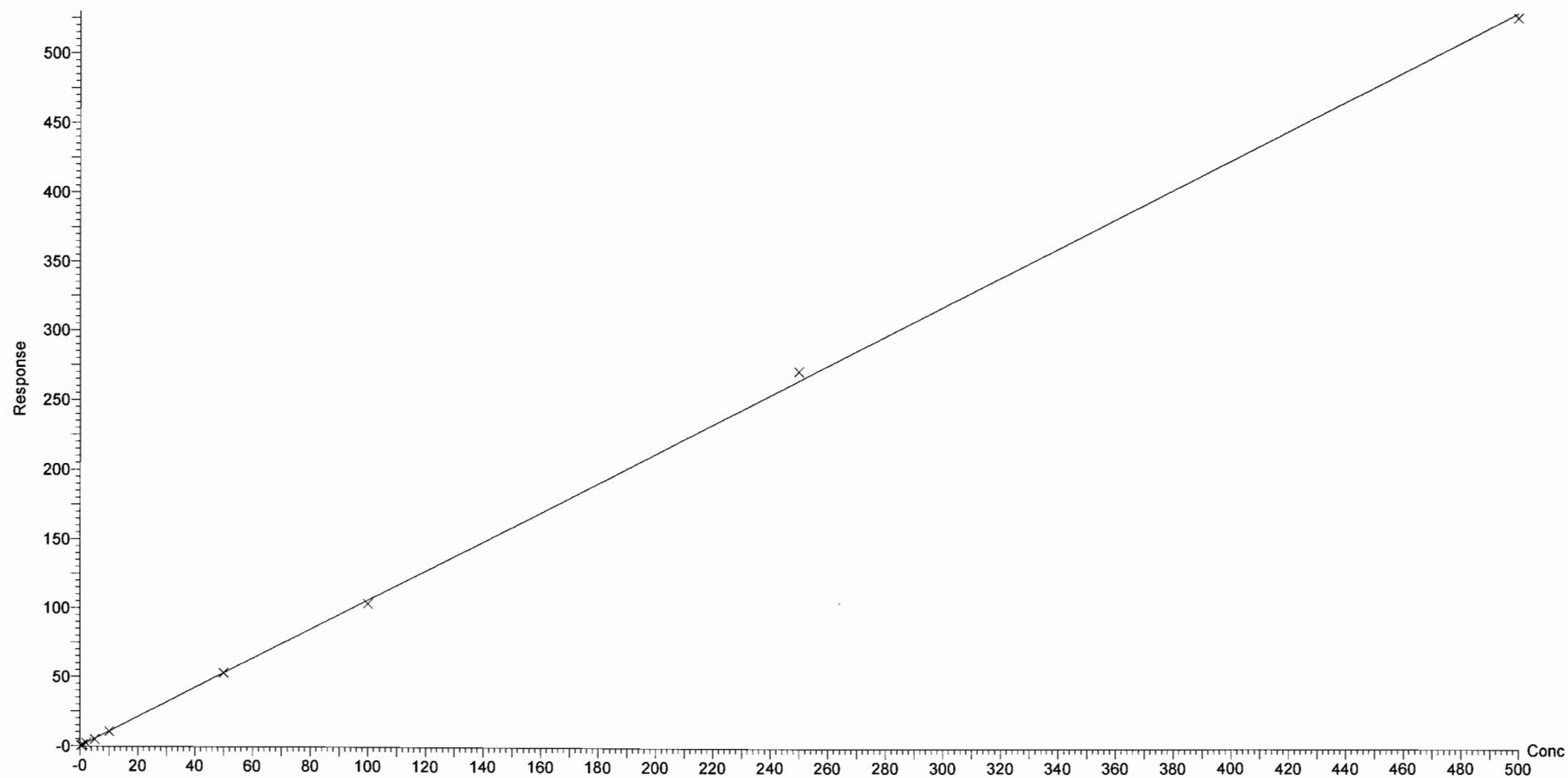
Compound name: PFPeA

Correlation coefficient:  $r = 0.999841$ ,  $r^2 = 0.999681$

Calibration curve:  $1.05972 * x + 0.0174634$

Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

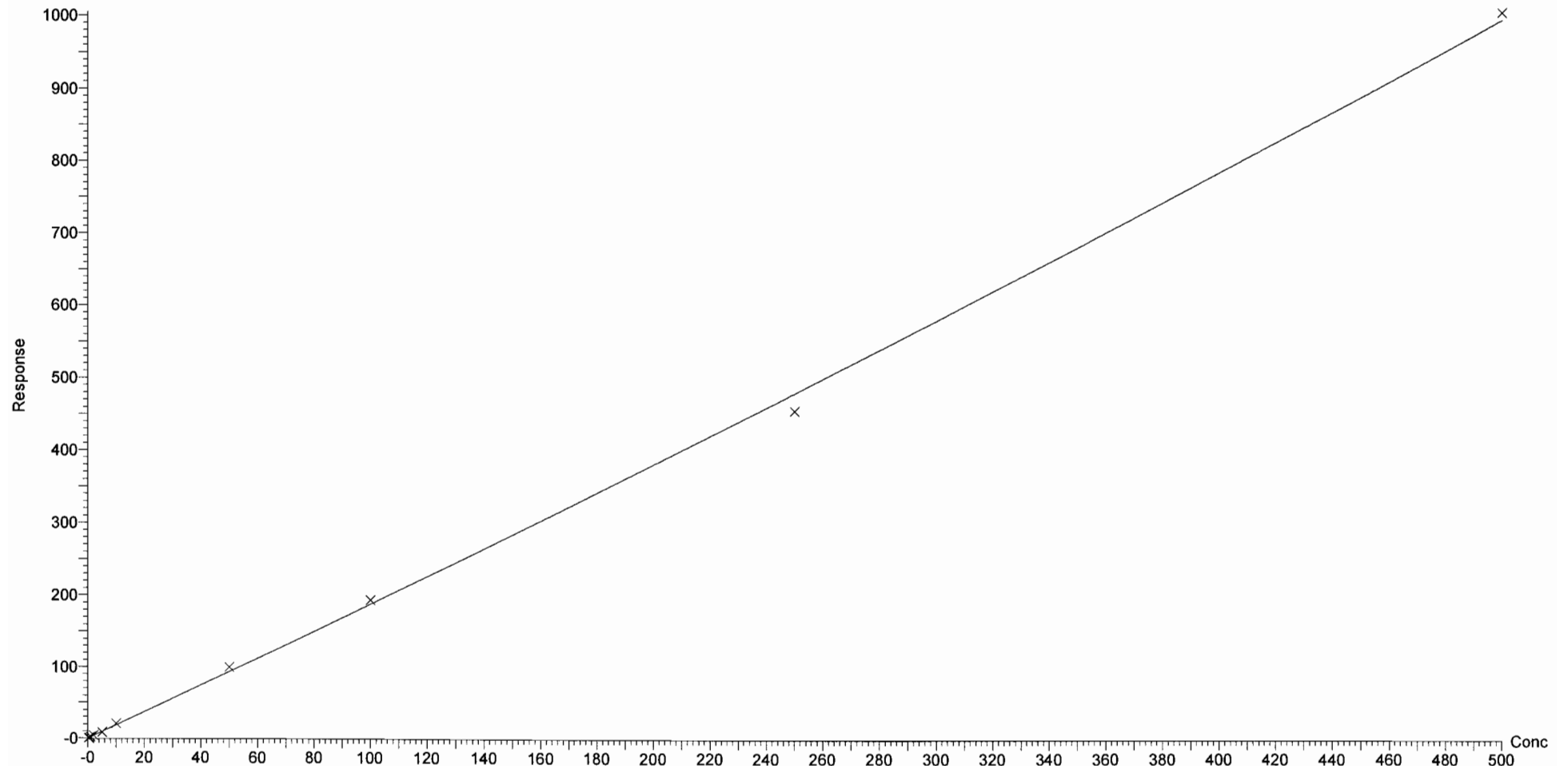
Compound name: PFBS

Coefficient of Determination:  $R^2 = 0.998766$

Calibration curve:  $0.000280796 * x^2 + 1.84972 * x + 0.0440904$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

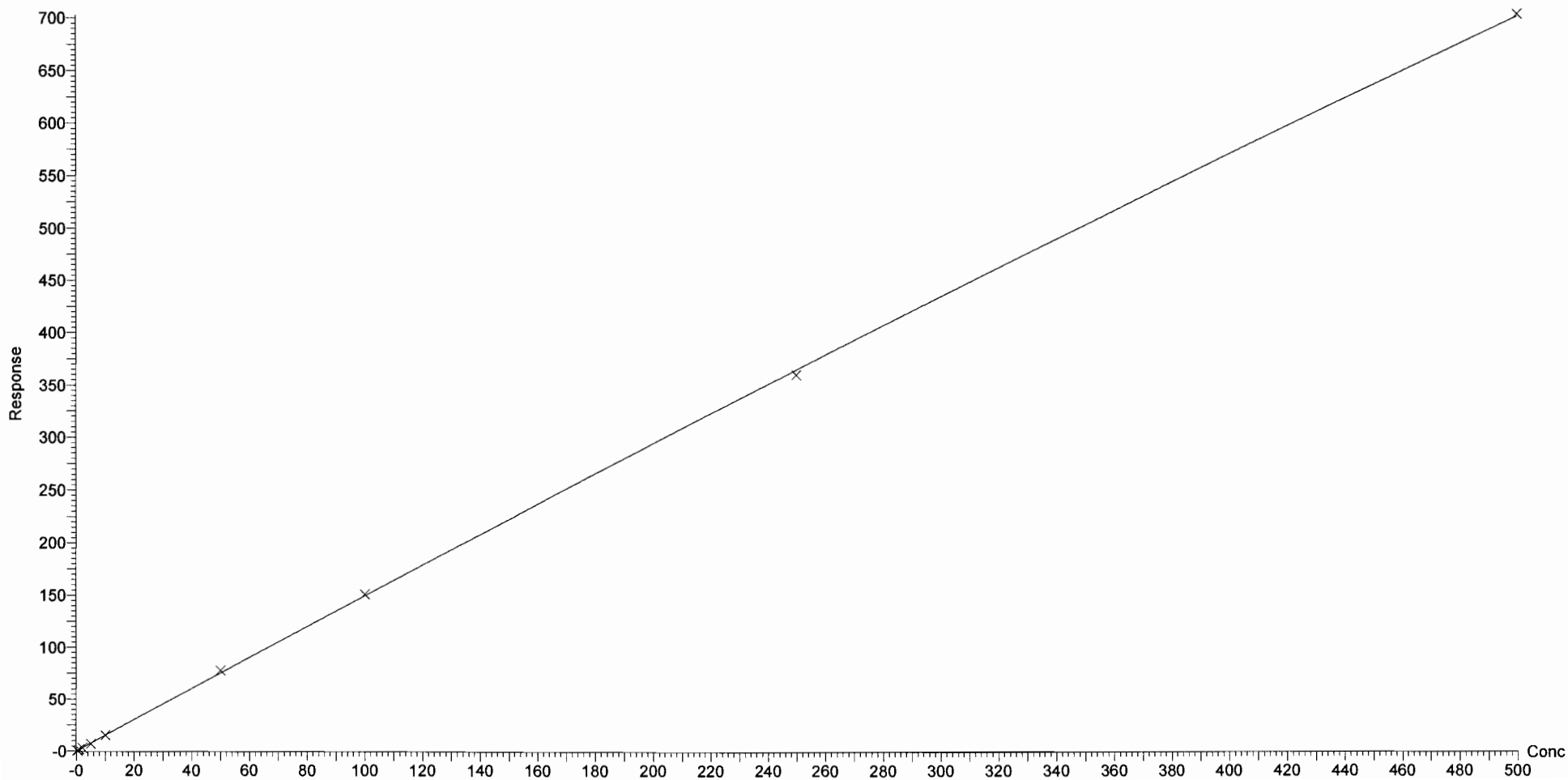
Compound name: PFHxA

Coefficient of Determination:  $R^2 = 0.999808$

Calibration curve:  $-0.000235506 * x^2 + 1.51905 * x + 0.012529$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

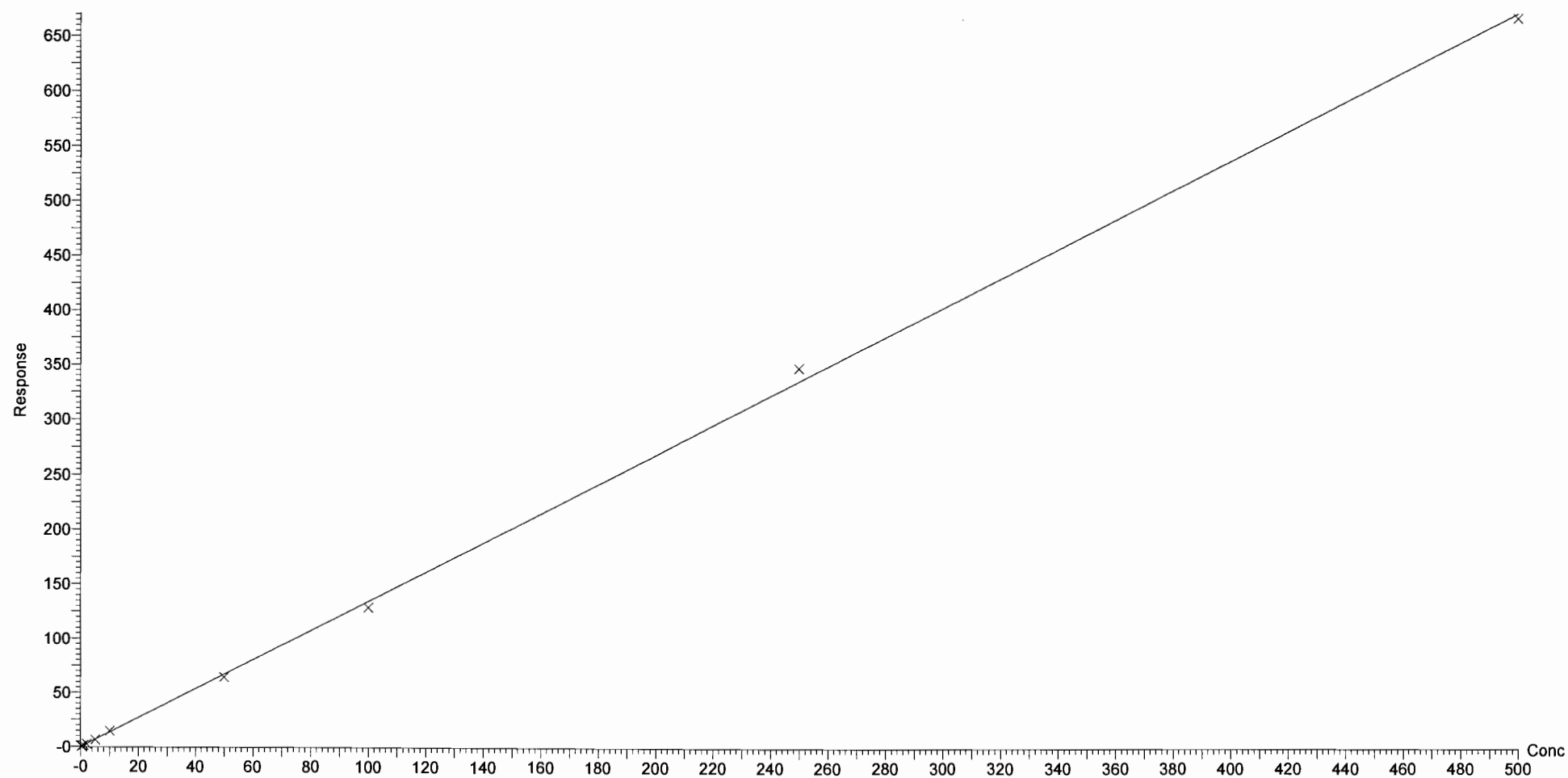
Compound name: PFHpA

Correlation coefficient:  $r = 0.999626$ ,  $r^2 = 0.999252$

Calibration curve:  $1.34171 * x + 0.00838305$

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_cv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

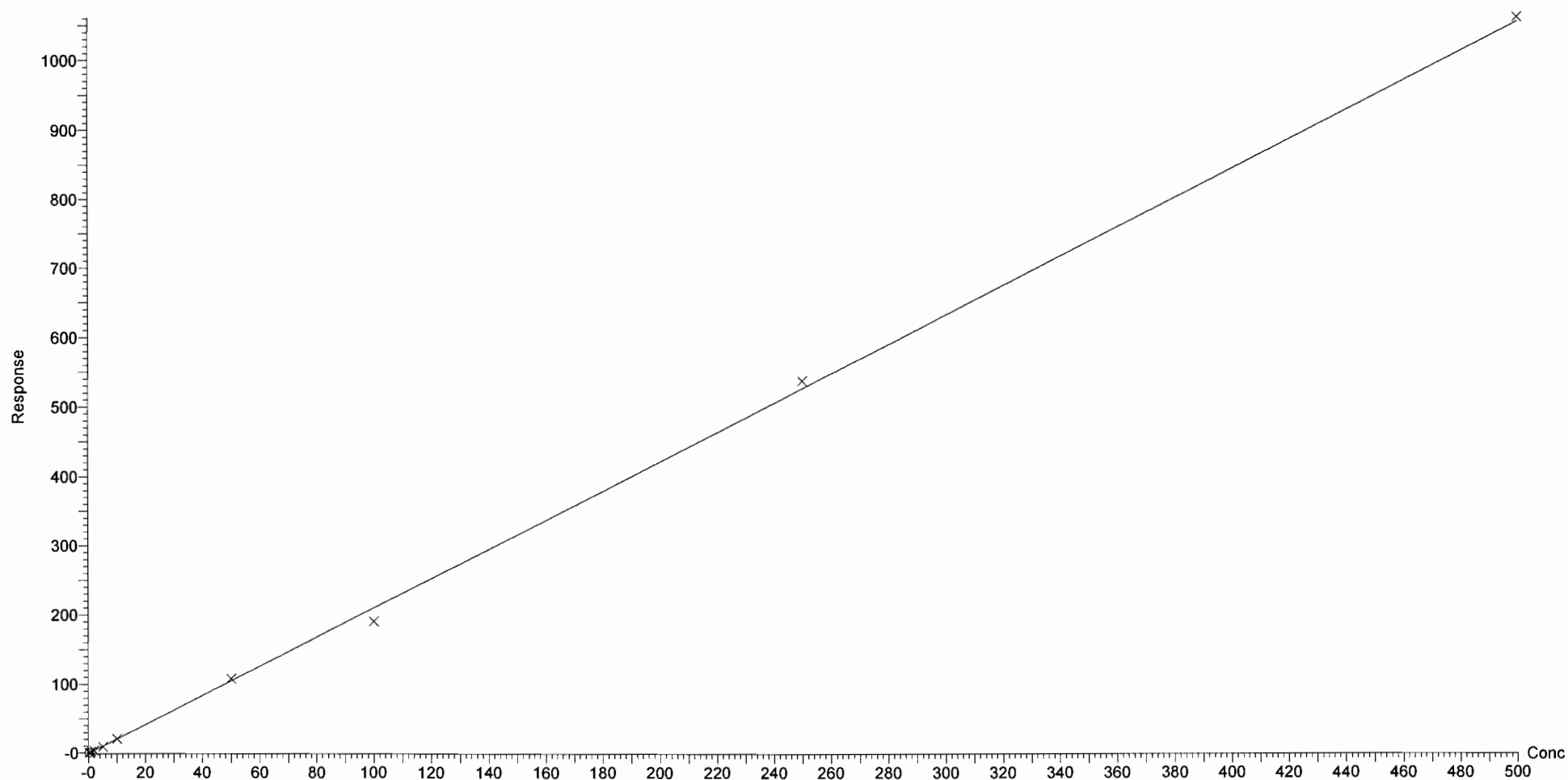
Compound name: L-PFHxS

Correlation coefficient:  $r = 0.999378$ ,  $r^2 = 0.998757$

Calibration curve:  $2.10956 * x + -0.490677$

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

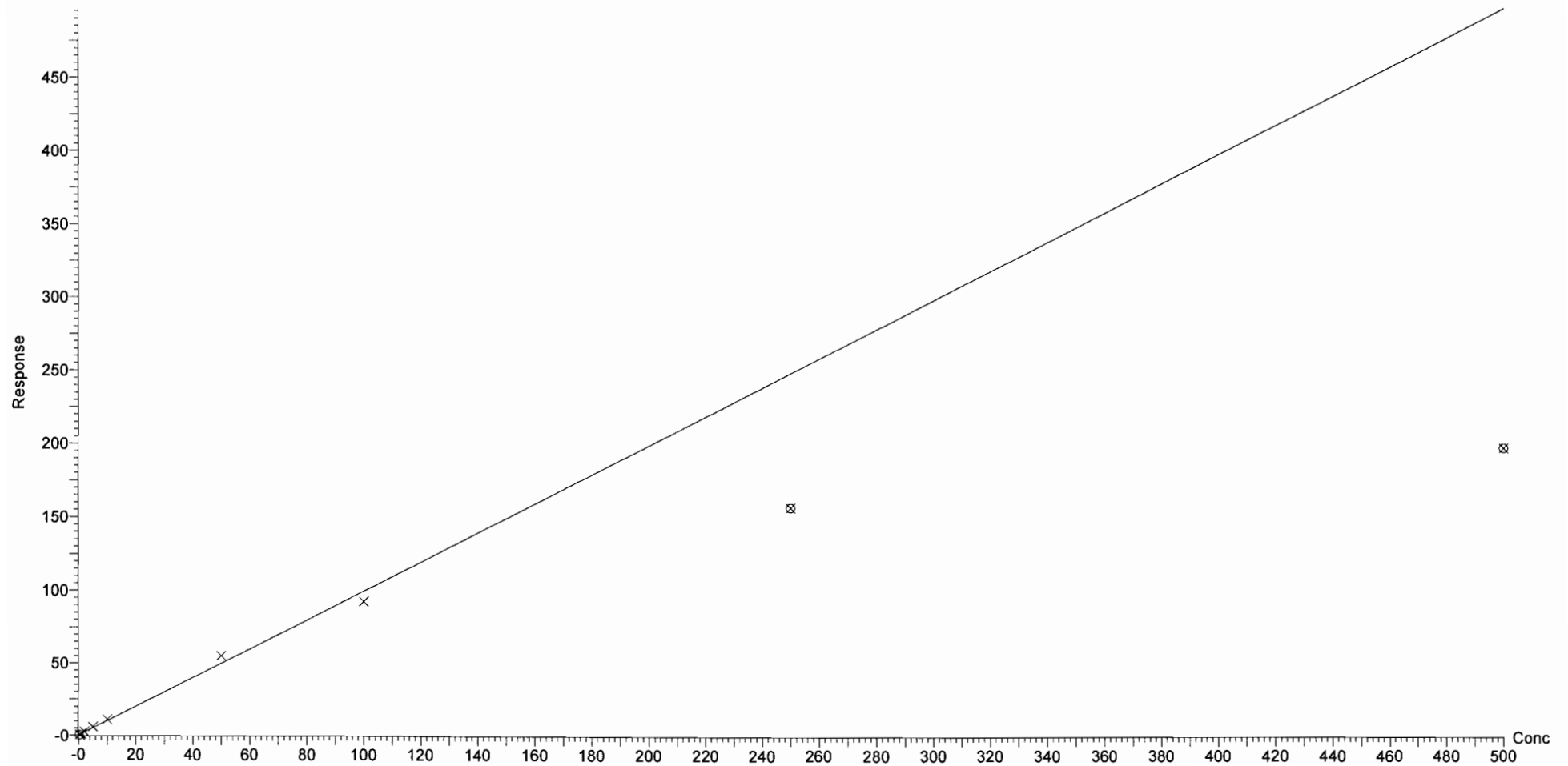
Compound name: 6:2 FTS

Correlation coefficient:  $r = 0.995752$ ,  $r^2 = 0.991521$

Calibration curve:  $0.993698 * x + 0.204603$

Response type: Internal Std ( Ref 40 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

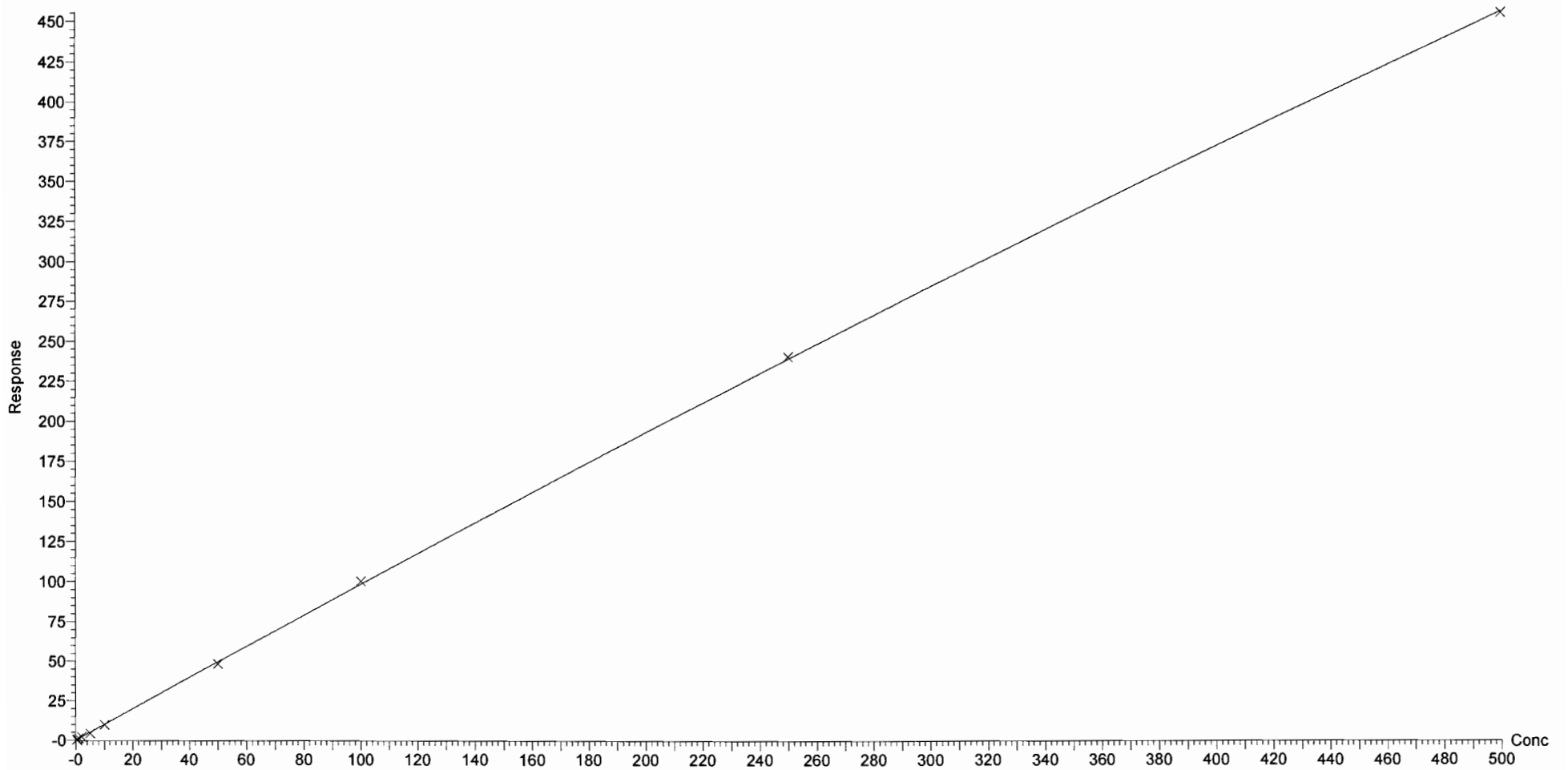
Compound name: L-PFOA

Coefficient of Determination:  $R^2 = 0.999735$

Calibration curve:  $-0.000179188 * x^2 + 1.00076 * x + 0.0920689$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_cv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

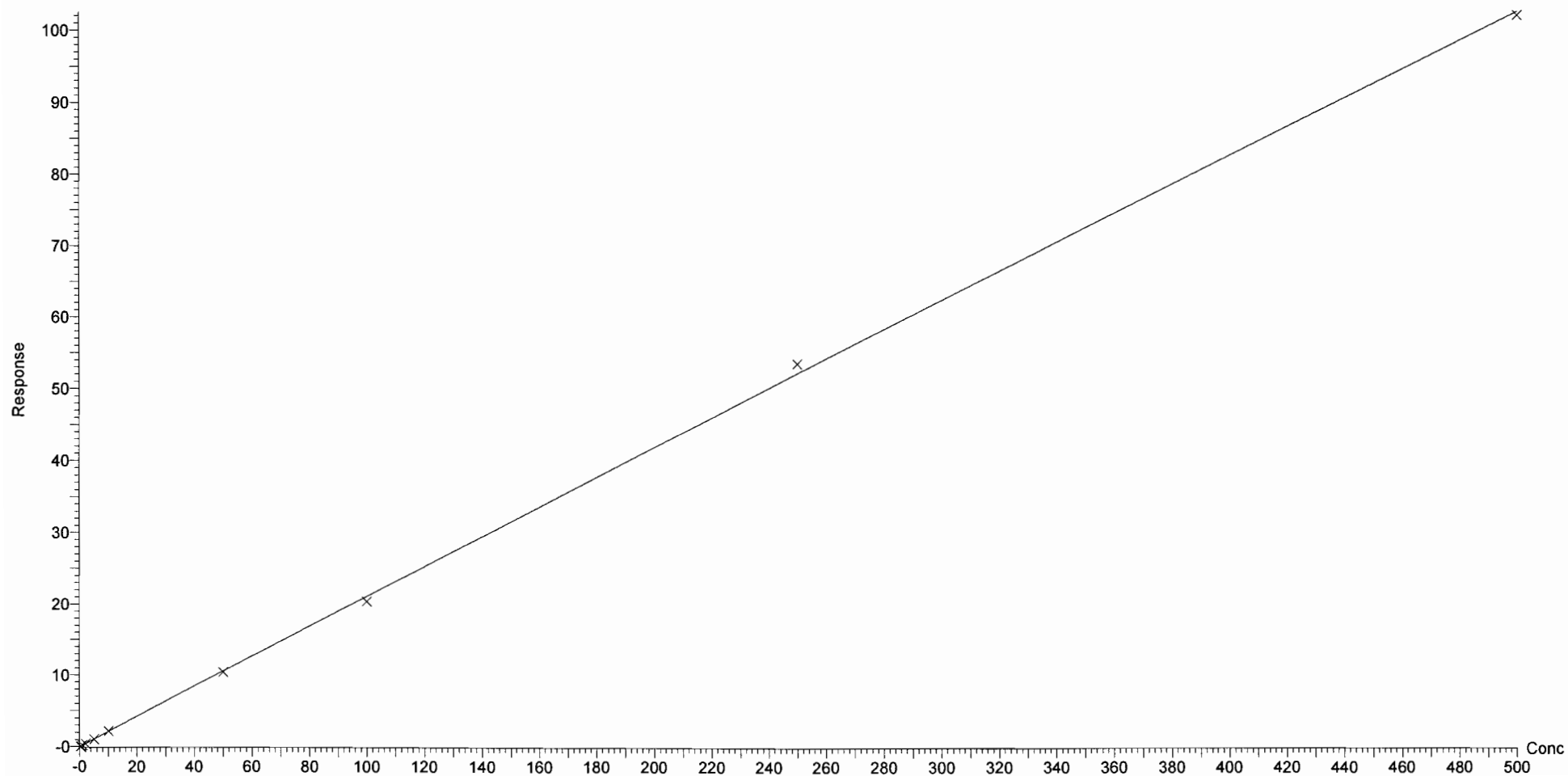
Compound name: PFHpS

Coefficient of Determination:  $R^2 = 0.999627$

Calibration curve:  $-1.52781e-005 * x^2 + 0.212779 * x + -0.0187673$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

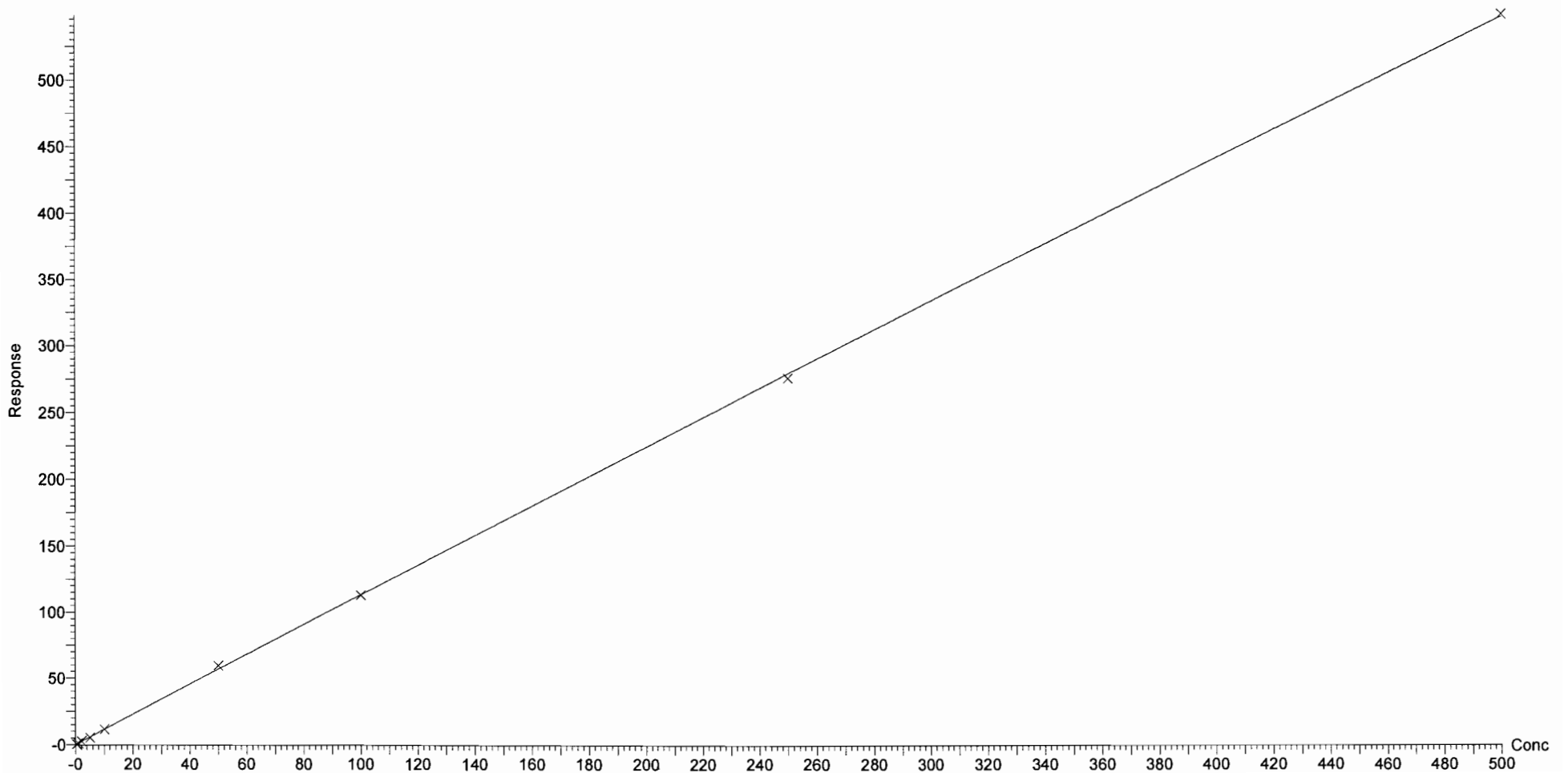


Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

Compound name: PFNA  
Coefficient of Determination:  $R^2 = 0.999765$   
Calibration curve:  $-9.74762e-005 * x^2 + 1.14183 * x + 0.0016858$   
Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )  
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_cv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

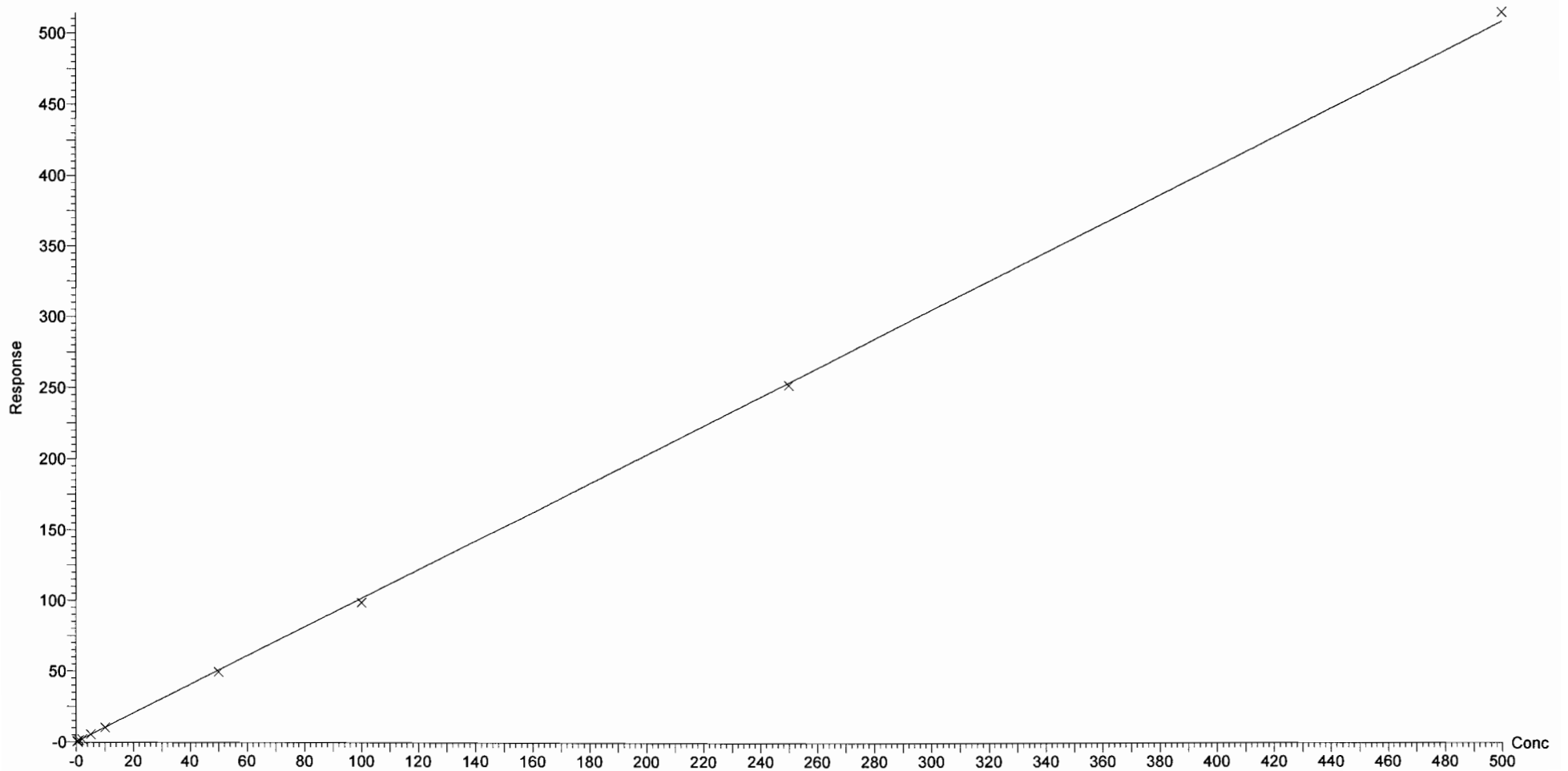
Compound name: PFOSA

Correlation coefficient:  $r = 0.999855$ ,  $r^2 = 0.999711$

Calibration curve:  $1.01493 * x + 0.130735$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

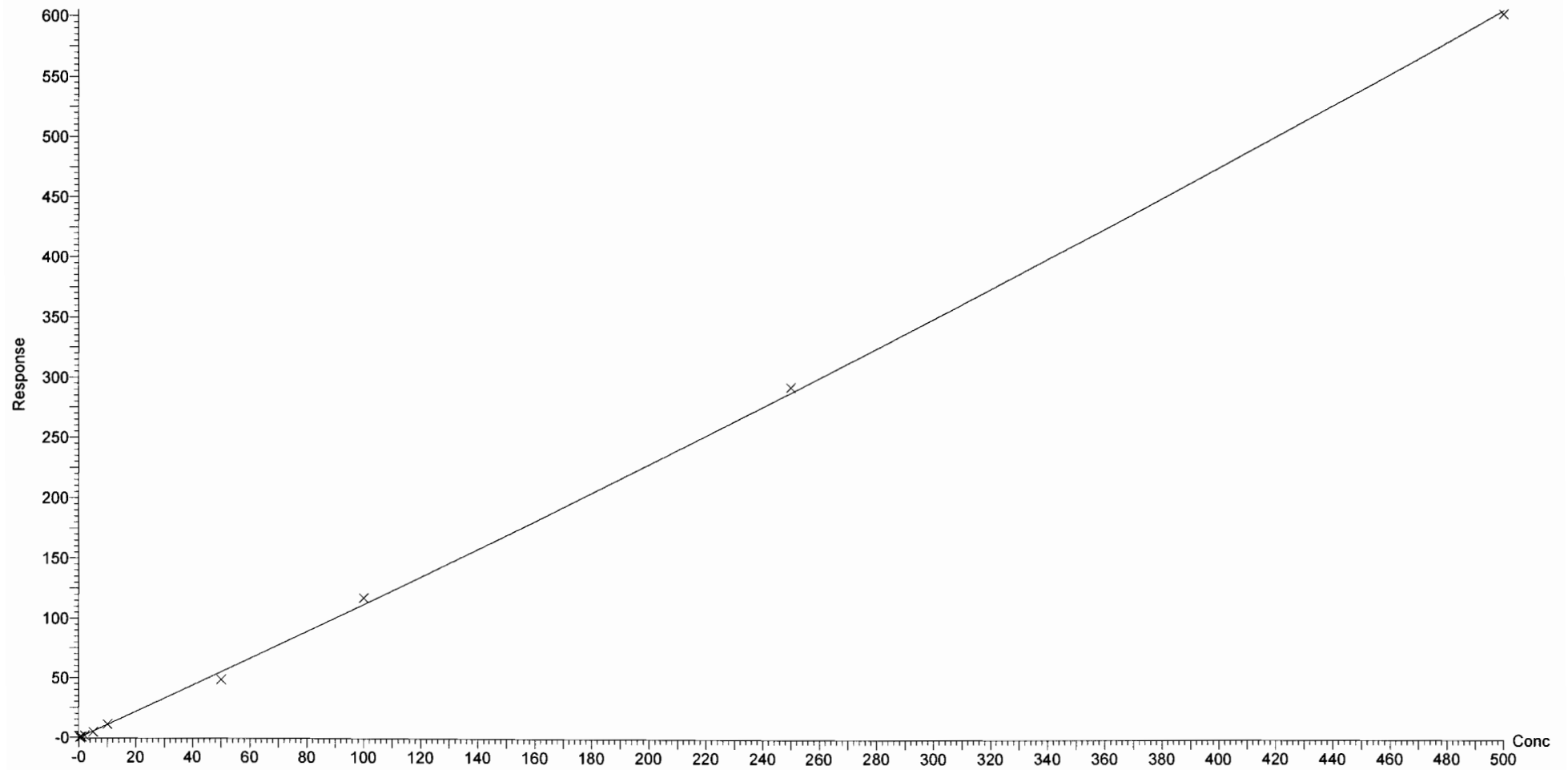
Compound name: L-PFOS

Coefficient of Determination:  $R^2 = 0.998832$

Calibration curve:  $0.000223873 * x^2 + 1.09844 * x - 0.191588$

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:10 Pacific Daylight Time

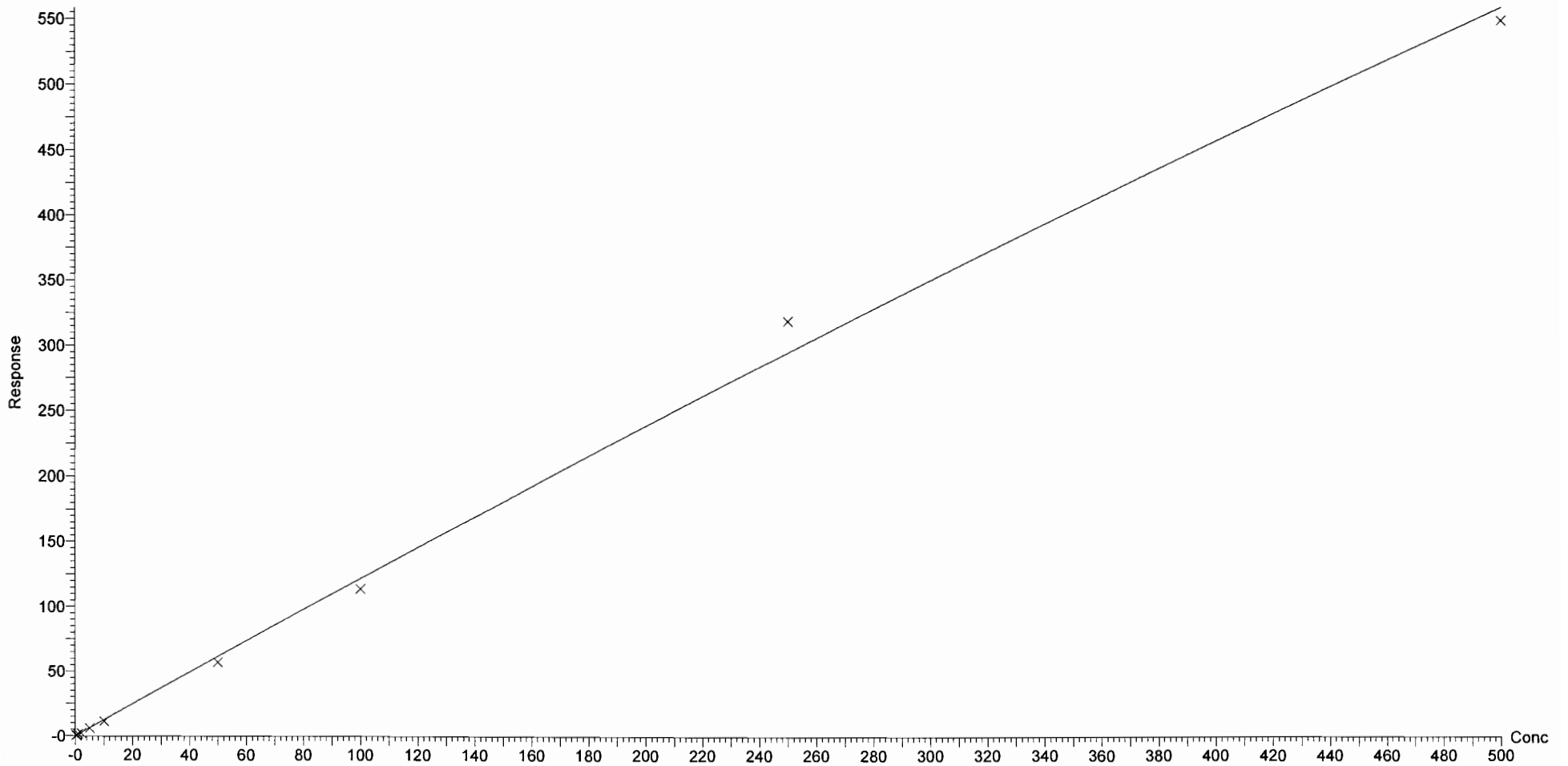
Compound name: PFDA

Coefficient of Determination:  $R^2 = 0.996818$

Calibration curve:  $-0.000253244 * x^2 + 1.2432 * x + -0.0151416$

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 09:05:27

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

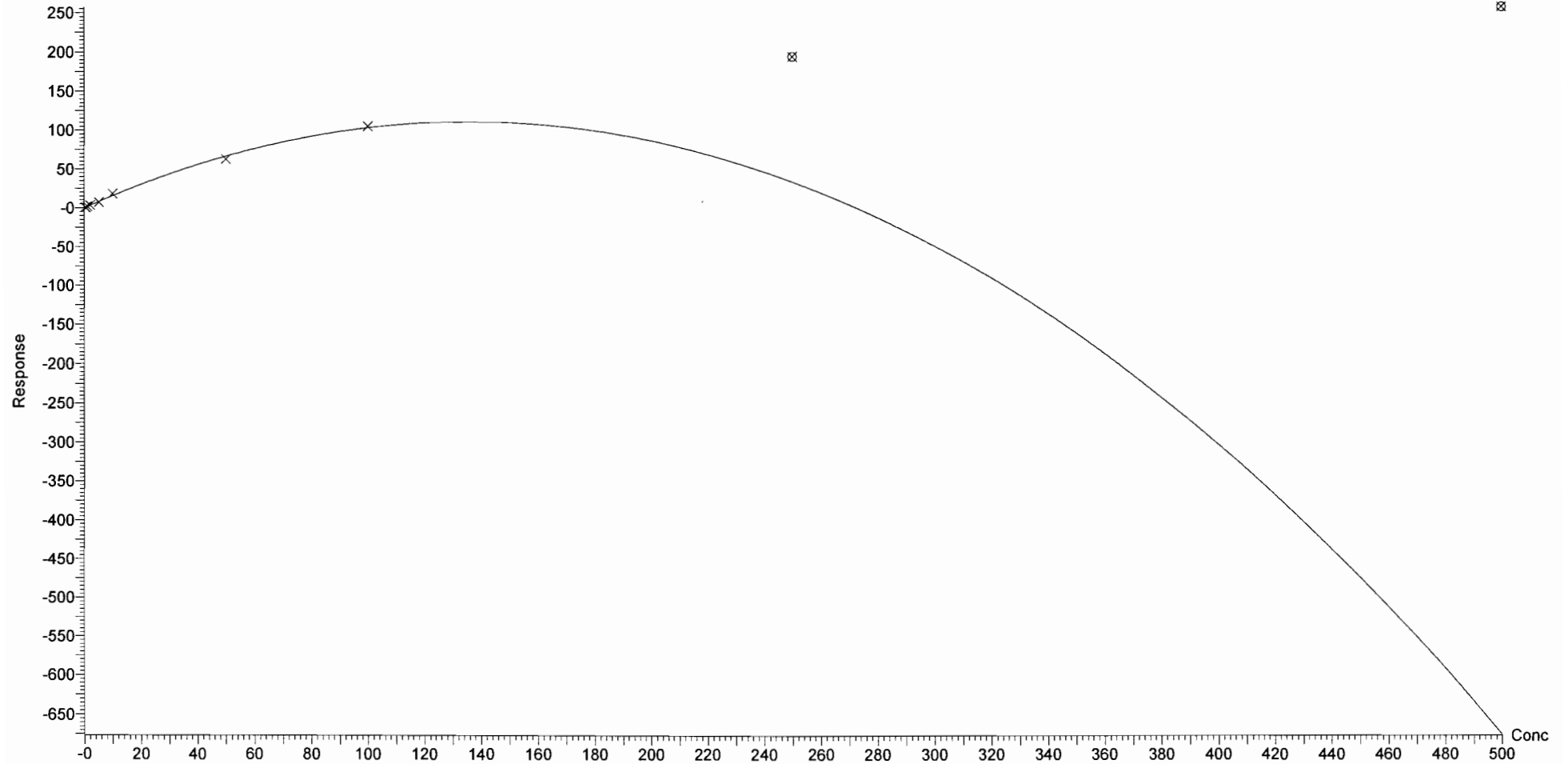
Compound name: 8:2 FTS

Coefficient of Determination:  $R^2 = 0.994273$

Calibration curve:  $-0.00595217 * x^2 + 1.62437 * x + 0.0384168$

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

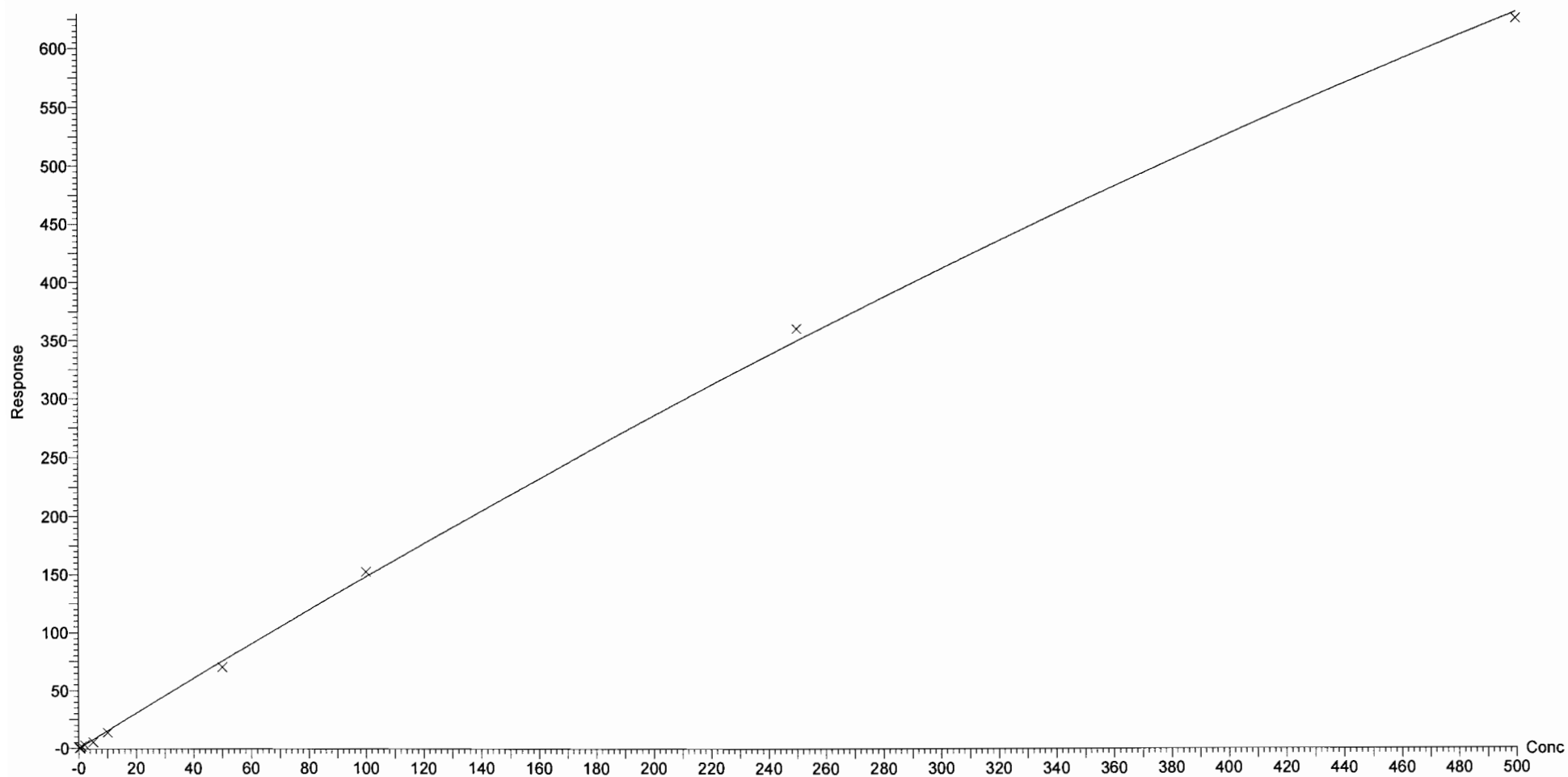
Compound name: N-MeFOSAA

Coefficient of Determination:  $R^2 = 0.998407$

Calibration curve:  $-0.000559833 * x^2 + 1.53939 * x + -0.144356$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_cr.v.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

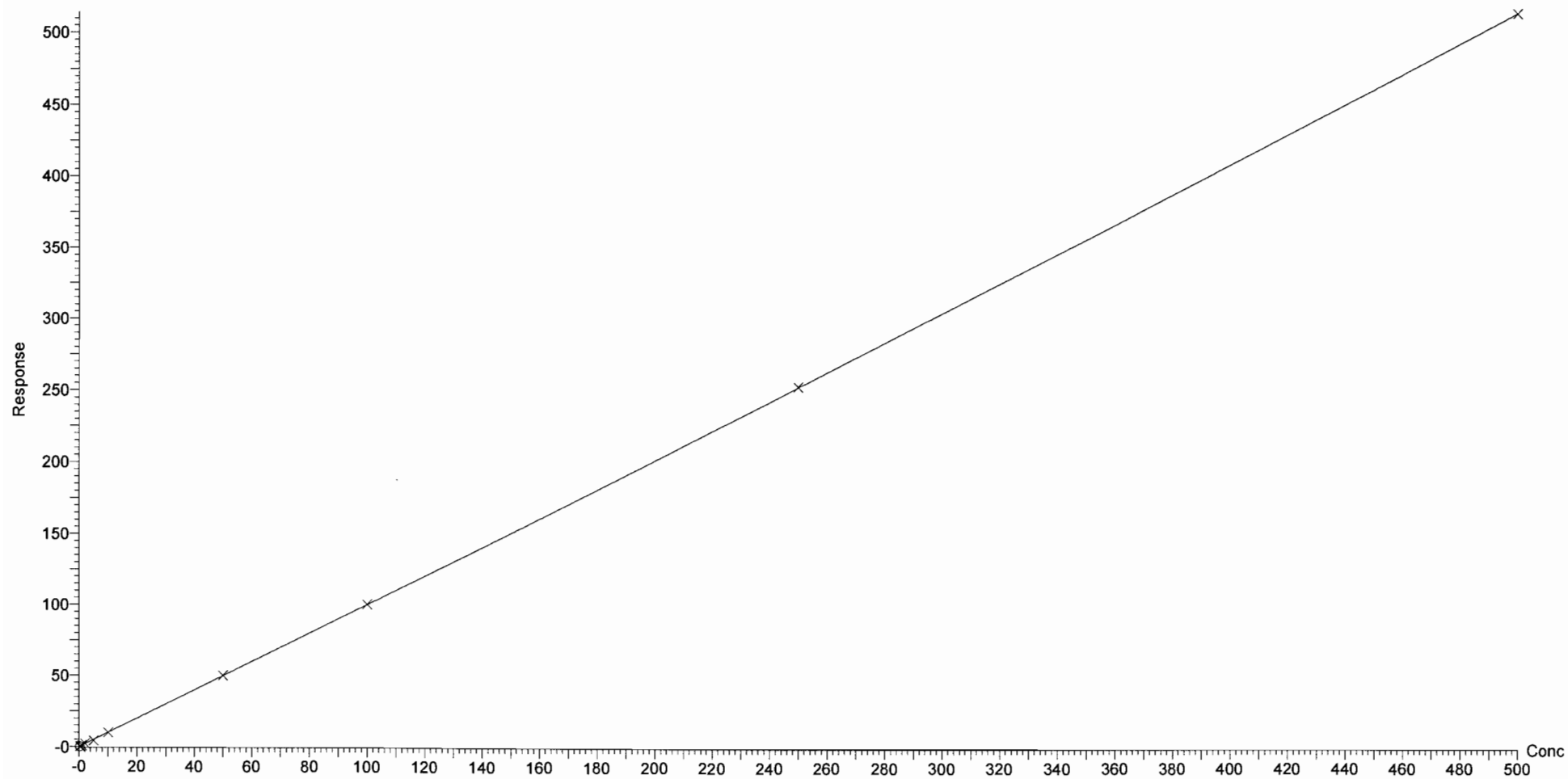
Compound name: N-EtFOSAA

Coefficient of Determination:  $R^2 = 0.999838$

Calibration curve:  $6.78255e-005 * x^2 + 0.994525 * x + 0.0328356$

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

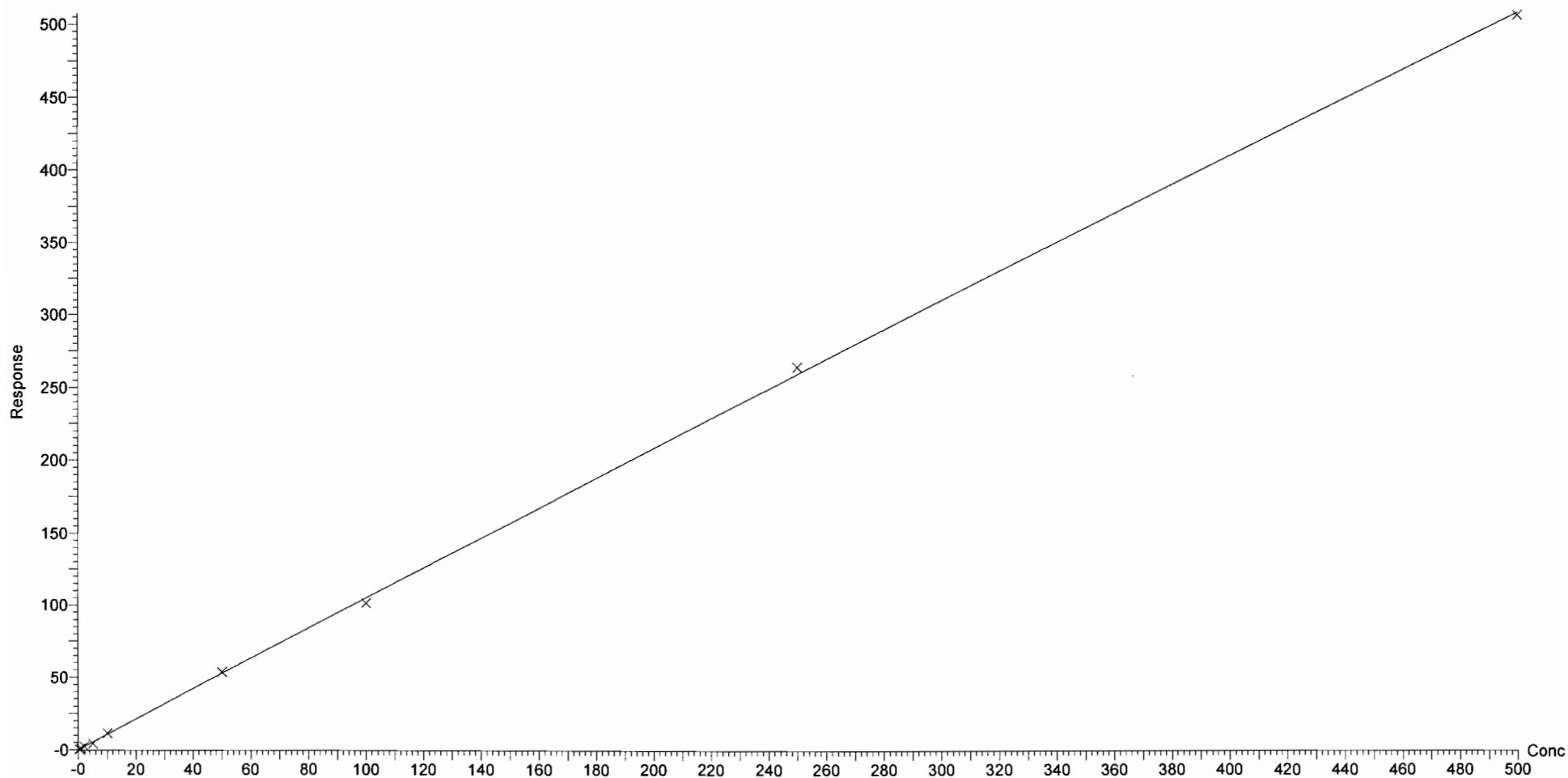
Compound name: PFUdA

Coefficient of Determination:  $R^2 = 0.999475$

Calibration curve:  $-8.97392e-005 * x^2 + 1.05975 * x + 0.00685238$

Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

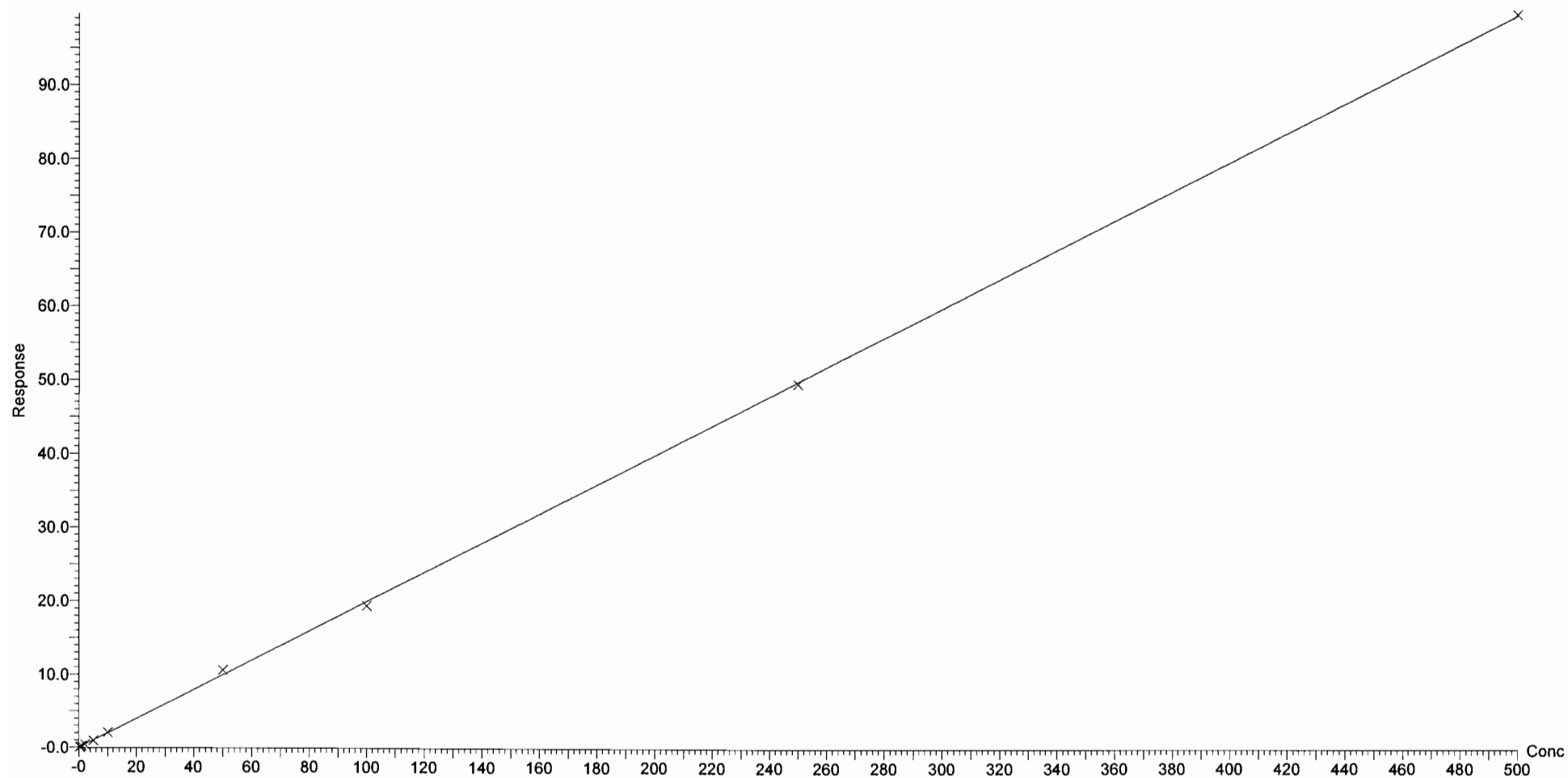
Compound name: PFDS

Coefficient of Determination:  $R^2 = 0.999629$

Calibration curve:  $-1.87214e-006 * x^2 + 0.199902 * x + -0.00625739$

Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

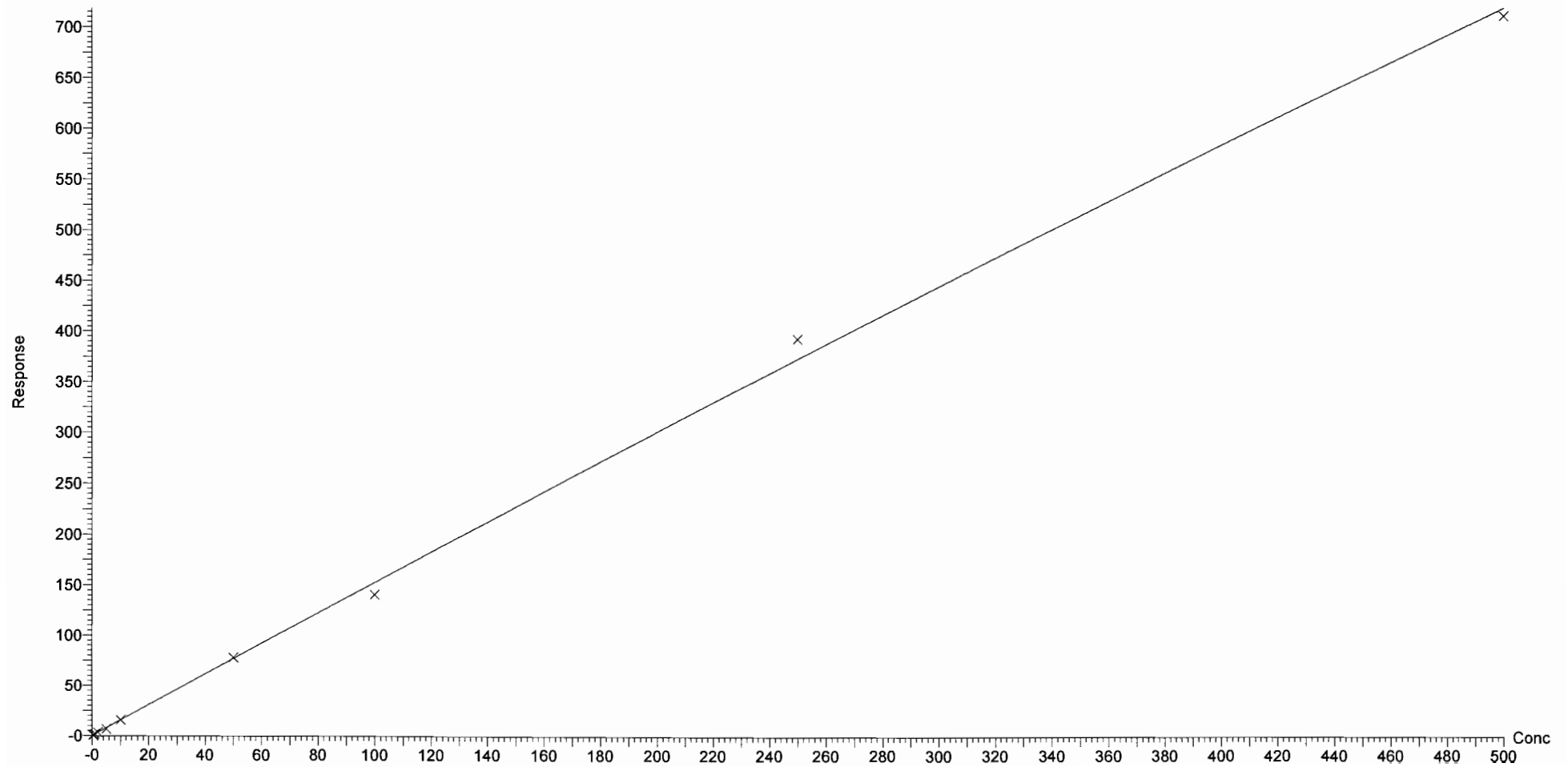
Compound name: PFDoA

Coefficient of Determination:  $R^2 = 0.998264$

Calibration curve:  $-0.000227199 * x^2 + 1.55038 * x + -0.0401788$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

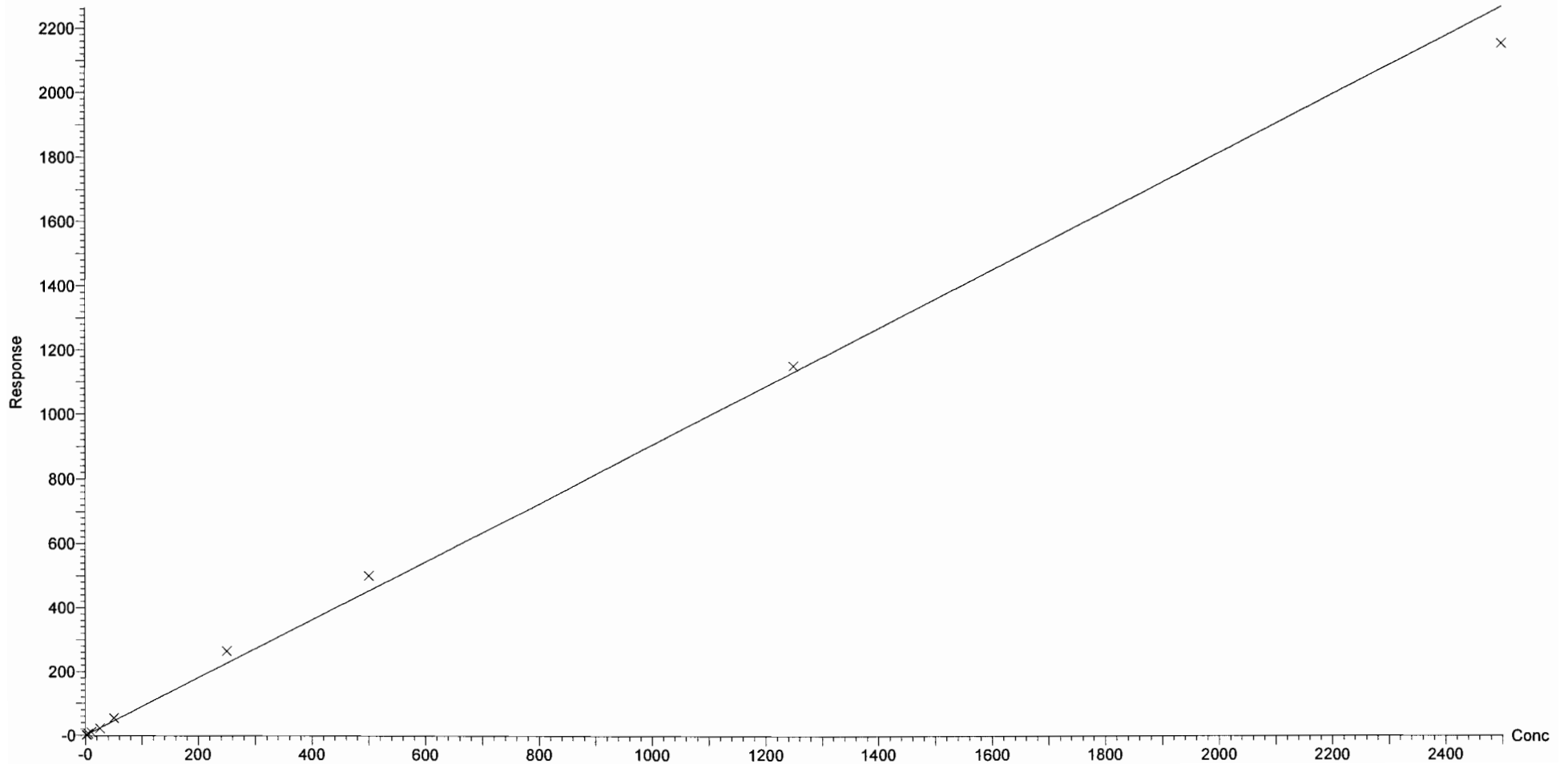
Compound name: N-MeFOSA

Correlation coefficient:  $r = 0.997644$ ,  $r^2 = 0.995294$

Calibration curve:  $0.905044 * x + 0.304954$

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

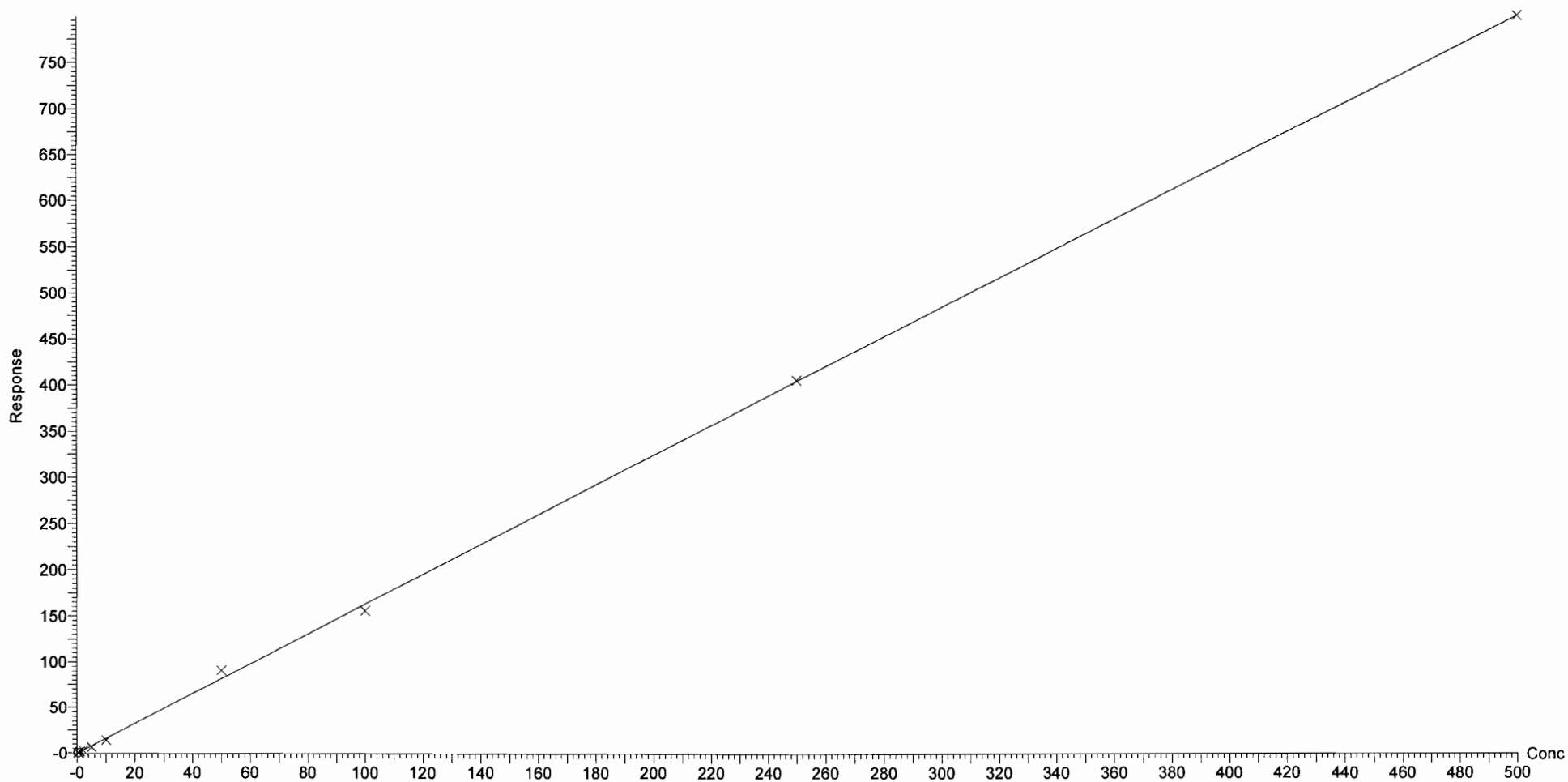
Compound name: PFTrDA

Coefficient of Determination:  $R^2 = 0.998632$

Calibration curve:  $-8.13429e-005 * x^2 + 1.63884 * x - 0.292664$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

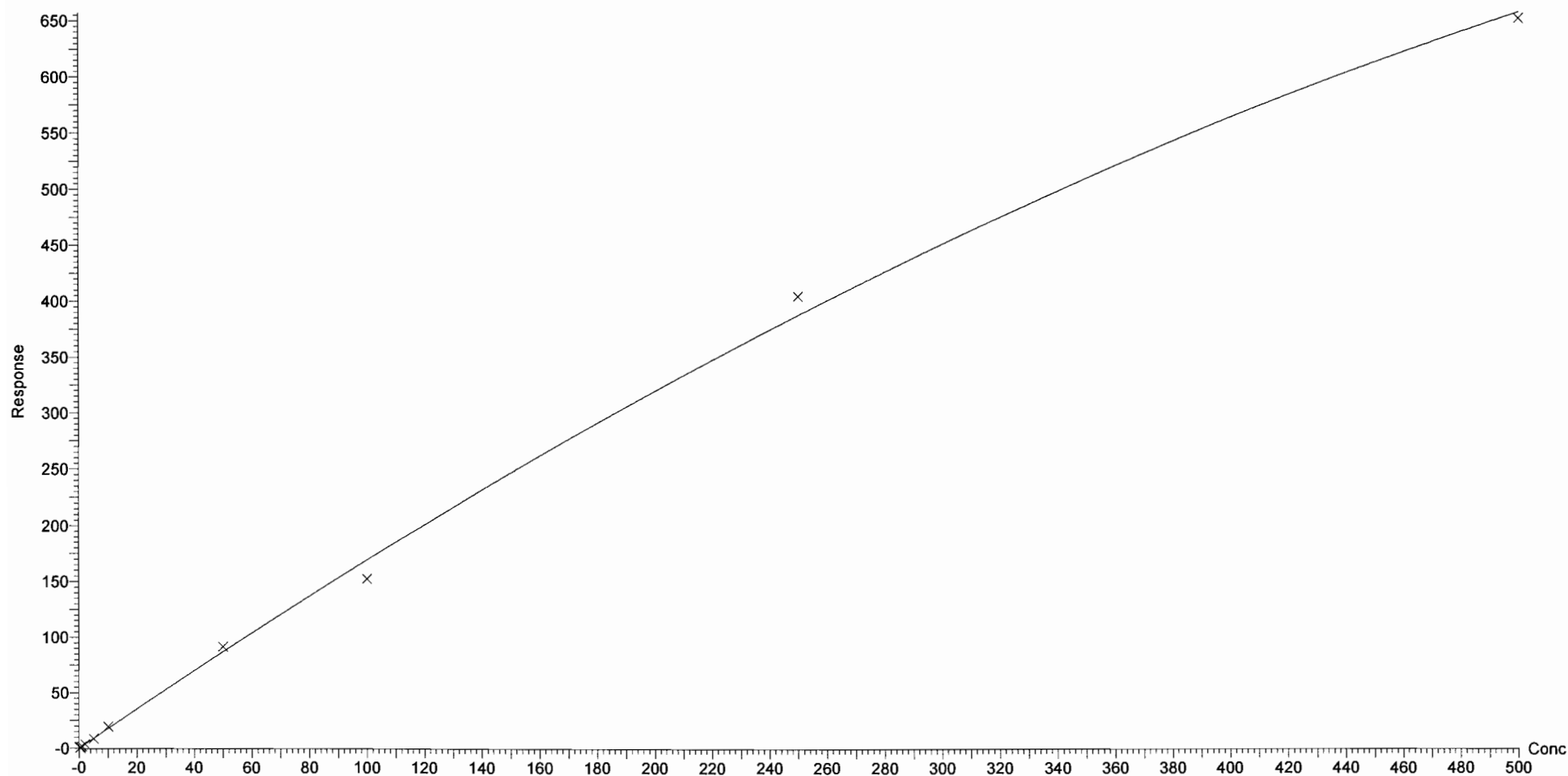
Compound name: PFTeDA

Coefficient of Determination:  $R^2 = 0.997491$ .

Calibration curve:  $-0.00095114 * x^2 + 1.78931 * x + 0.022236$

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

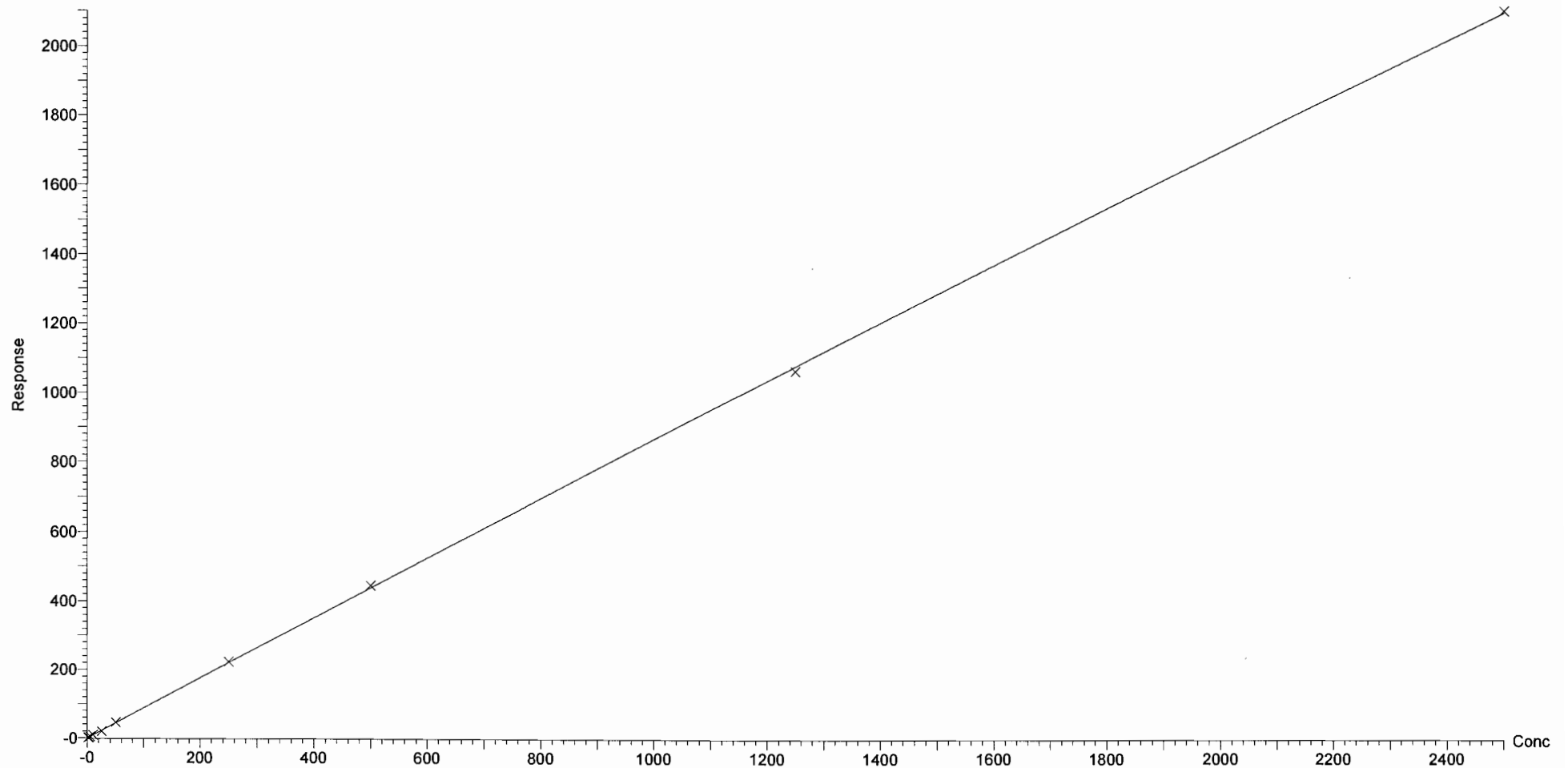
Compound name: N-EtFOSA

Coefficient of Determination:  $R^2 = 0.999795$

Calibration curve:  $-1.93892e-005 * x^2 + 0.886434 * x + 0.10142$

Response type: Internal Std ( Ref 53 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

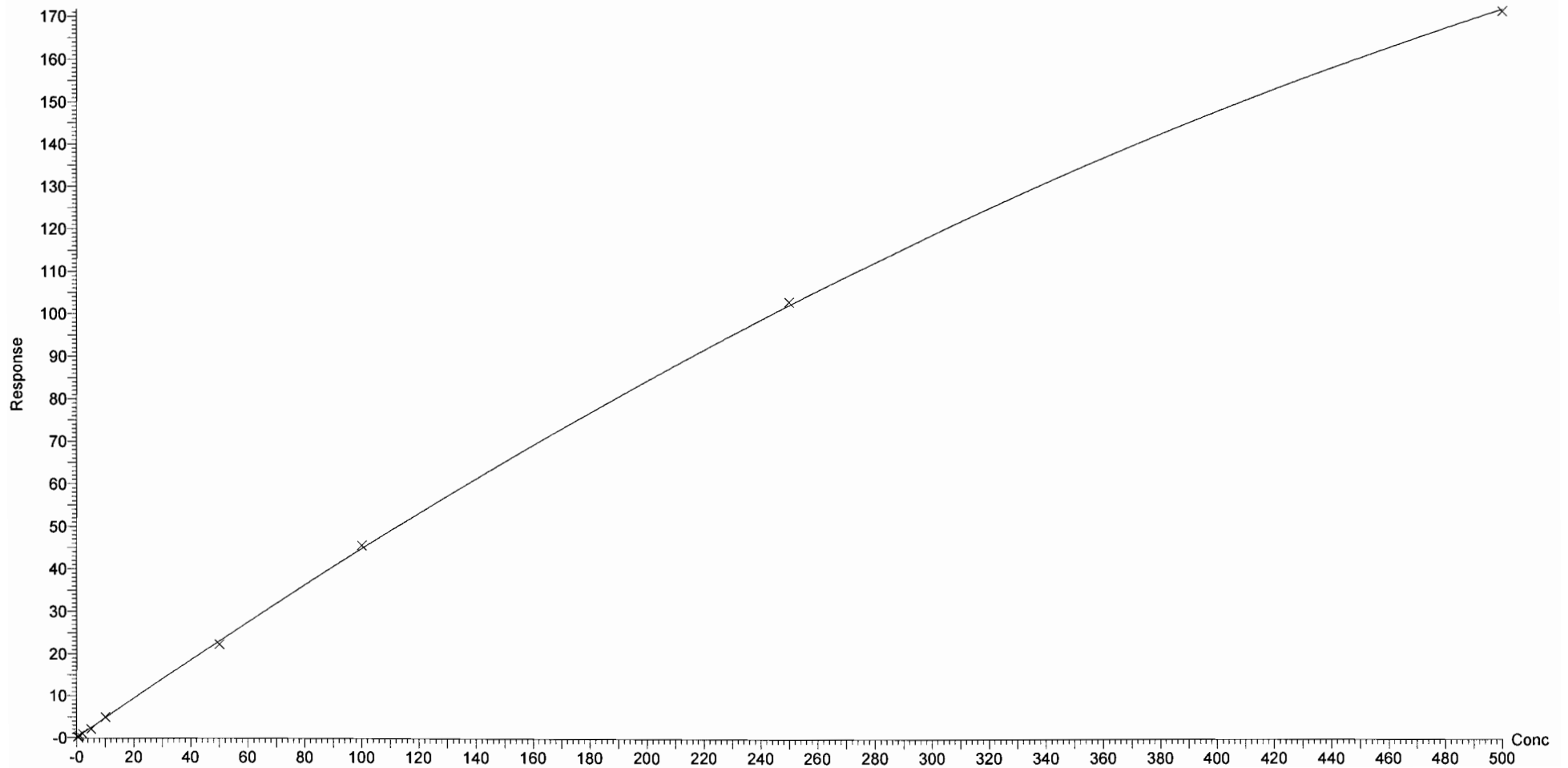
Compound name: PFHxDA

Coefficient of Determination:  $R^2 = 0.999613$

Calibration curve:  $-0.000261808 * x^2 + 0.474141 * x + 0.0614007$

Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

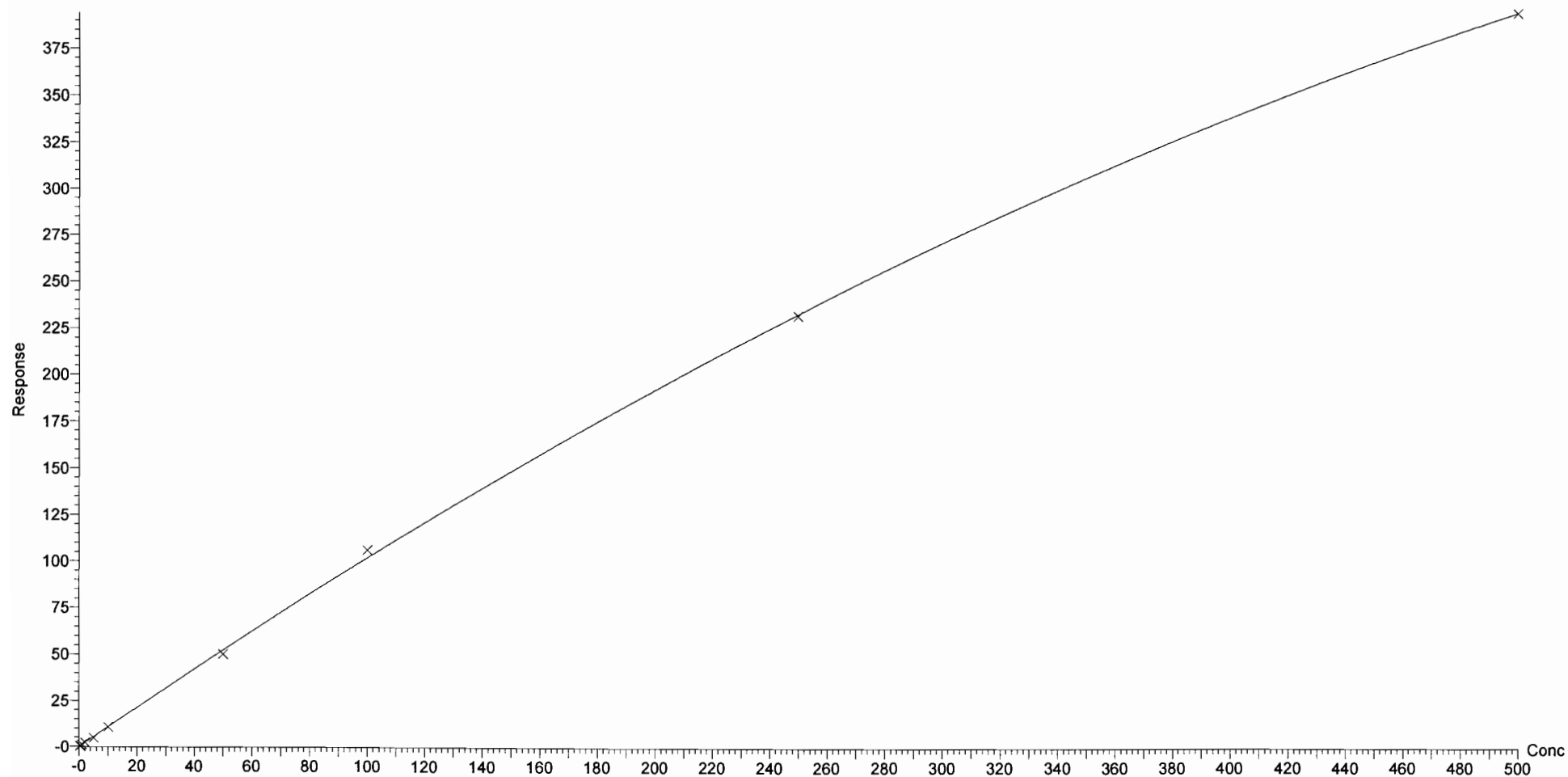
Compound name: PFODA

Coefficient of Determination:  $R^2 = 0.999435$

Calibration curve:  $-0.000577012 * x^2 + 1.07714 * x + -0.0220839$

Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

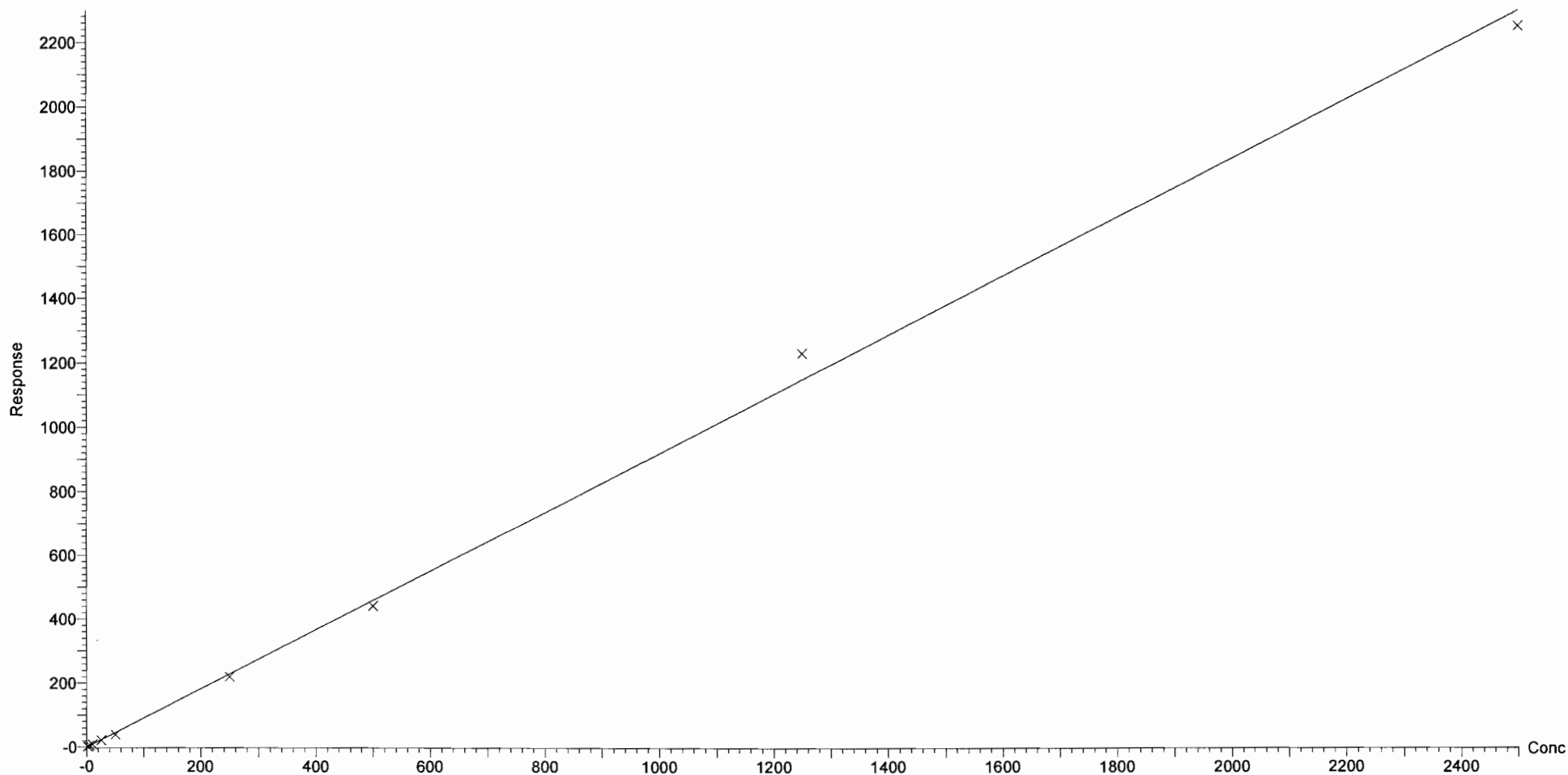
Compound name: N-MeFOSE

Correlation coefficient:  $r = 0.998908$ ,  $r^2 = 0.997817$

Calibration curve:  $0.919698 * x + -0.26993$

Response type: Internal Std ( Ref 55 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 12:43:29 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:52:21 Pacific Daylight Time

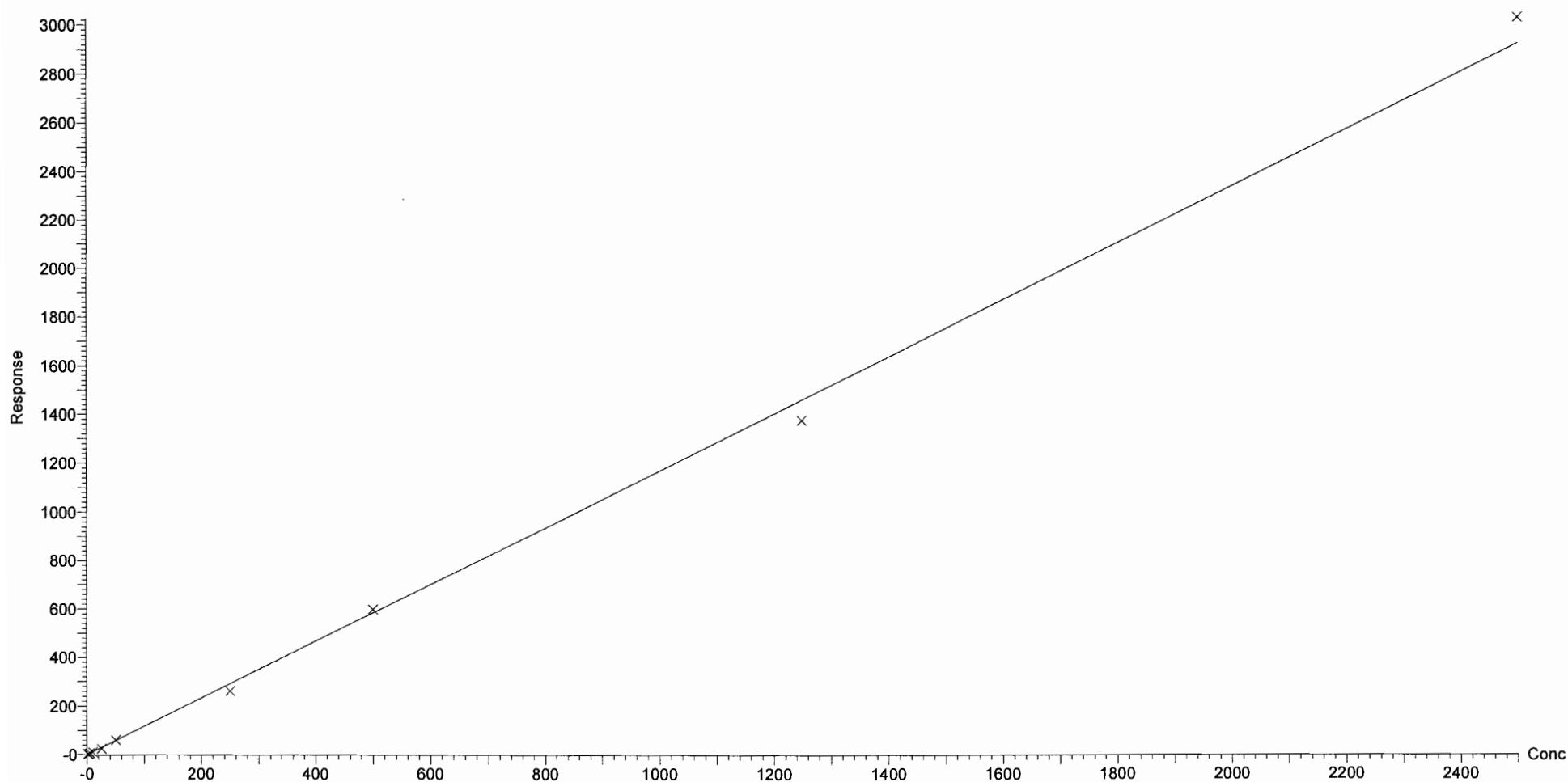
Compound name: N-EtFOSE

Correlation coefficient:  $r = 0.998740$ ,  $r^2 = 0.997481$

Calibration curve:  $1.16827 * x + -0.227149$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

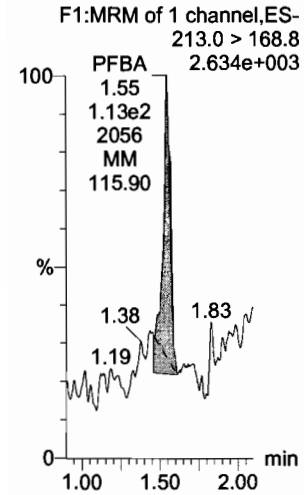
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_032018.mdb 20 Mar 2018 09:05:27

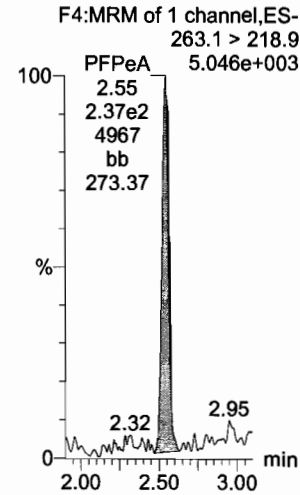
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 09:55:26

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

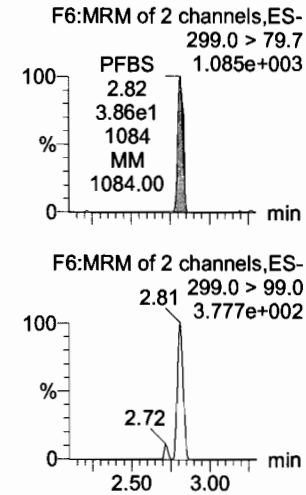
**PFBA**



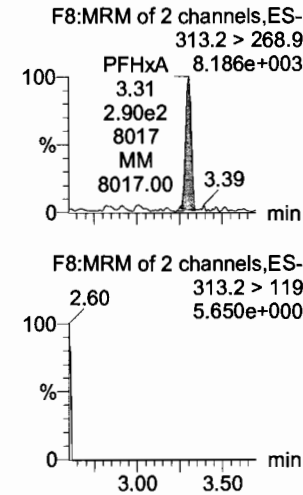
**PFPeA**



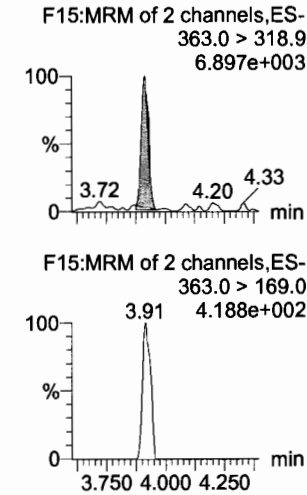
**PFBS**



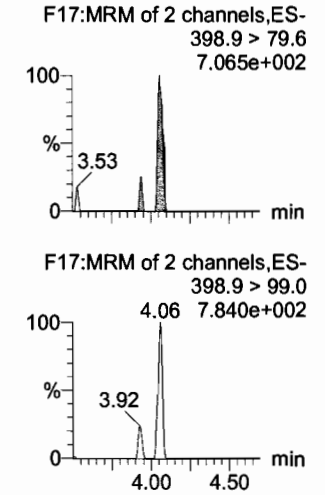
**PFHxA**



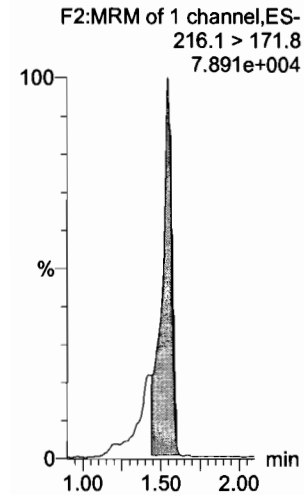
**PFHpA**



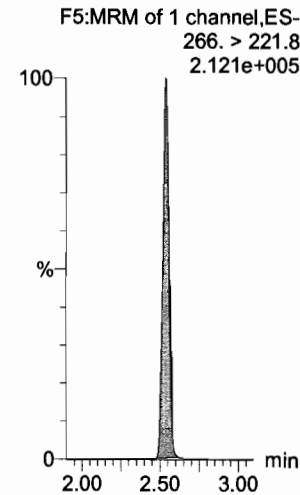
**L-PFHxS**



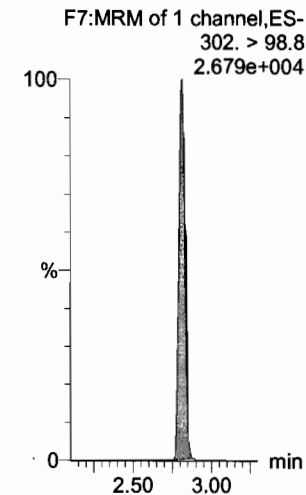
**13C3-PFBA**



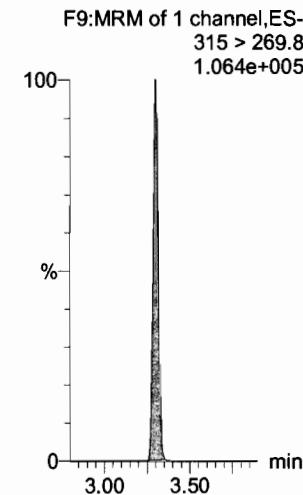
**13C3-PFPeA**



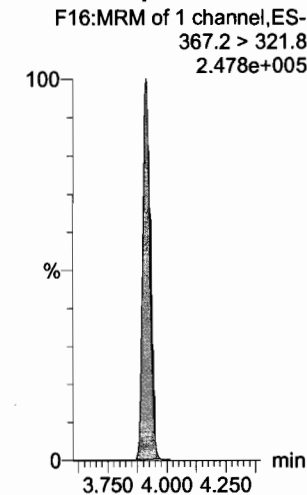
**13C3-PFBS**



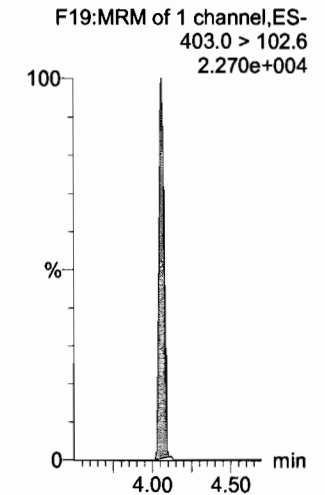
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

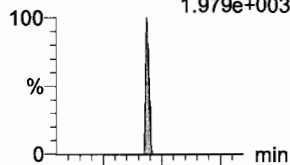
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

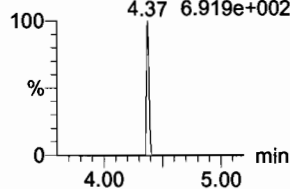
Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
1.979e+003

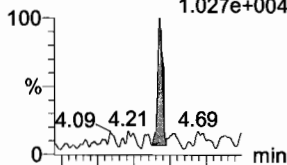


F23:MRM of 2 channels,ES-  
427.1 > 80  
6.919e+002

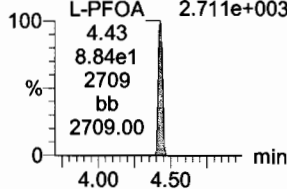


**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
1.027e+004

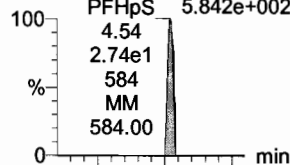


F20:MRM of 2 channels,ES-  
413 > 169  
2.711e+003

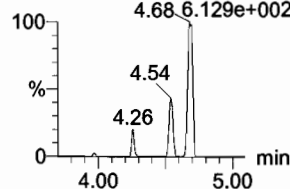


**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
5.842e+002

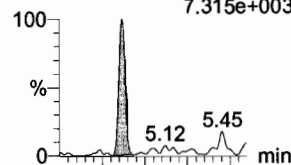


F25:MRM of 2 channels,ES-  
449 > 98.7  
6.129e+002

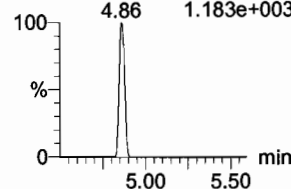


**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
7.315e+003

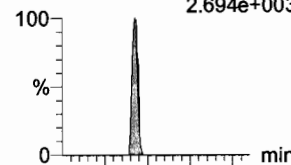


F26:MRM of 2 channels,ES-  
463.0 > 219.0  
1.183e+003

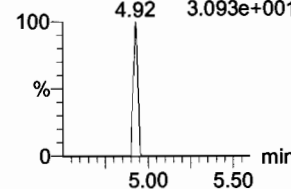


**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
2.694e+003

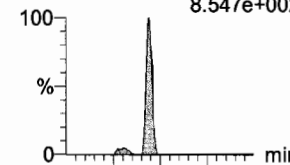


F29:MRM of 4 channels,ES-  
498.1 > 478  
3.093e+001

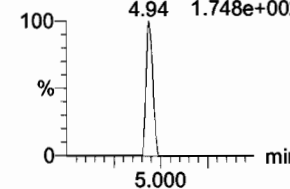


**L-PFOS**

F31:MRM of 2 channels,ES-  
499 > 79.9  
8.547e+002

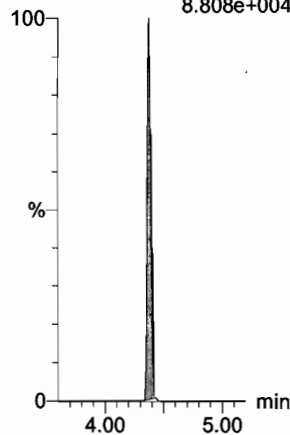


F31:MRM of 2 channels,ES-  
499 > 99  
1.748e+002



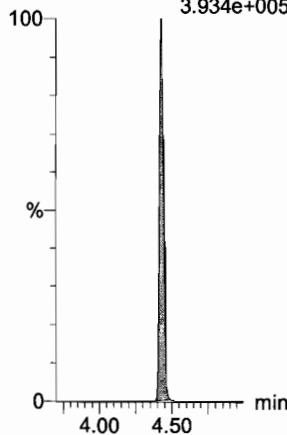
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
8.808e+004



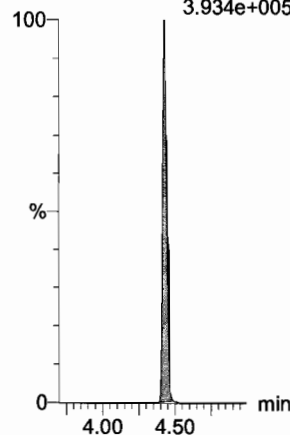
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
3.934e+005



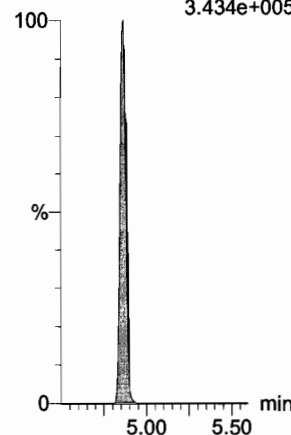
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
3.934e+005



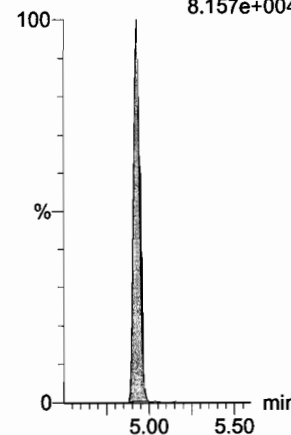
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
3.434e+005



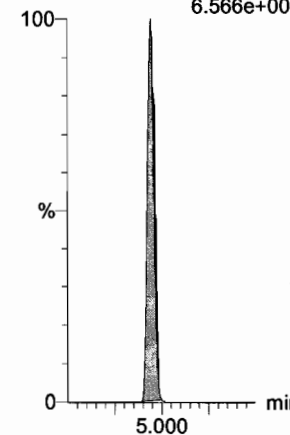
**13C8-PFOA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
8.157e+004



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
6.566e+004

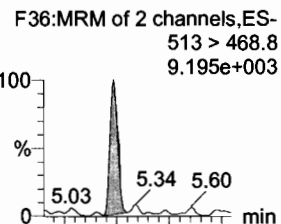


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

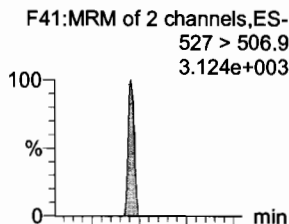
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

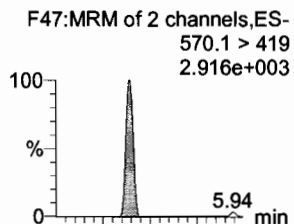
**PFDA**



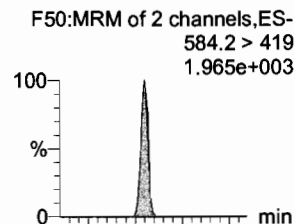
**8:2 FTS**



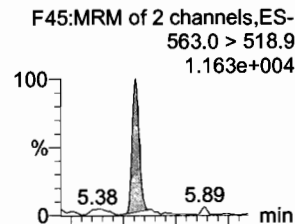
**N-MeFOSAA**



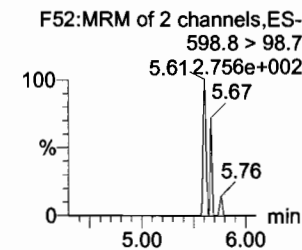
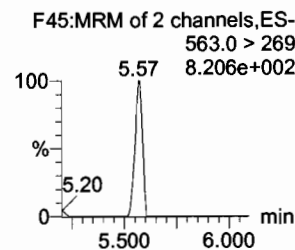
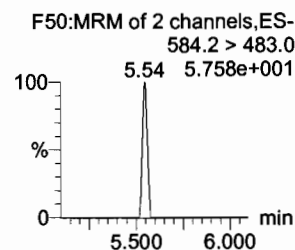
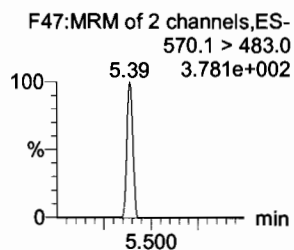
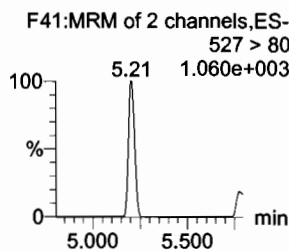
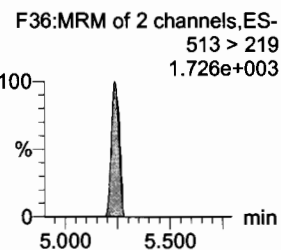
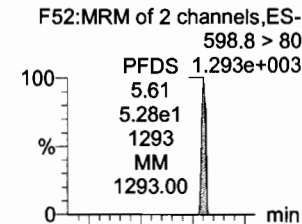
**N-EtFOSAA**



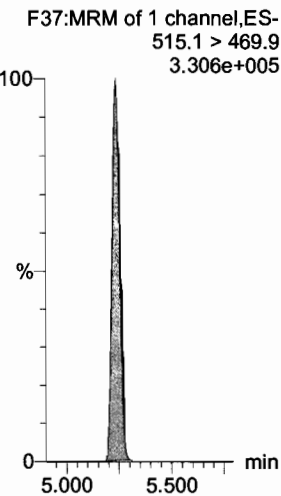
**PFUdA**



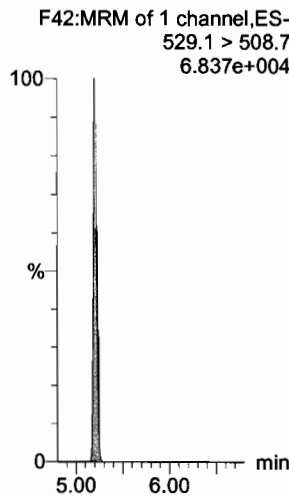
**PFDS**



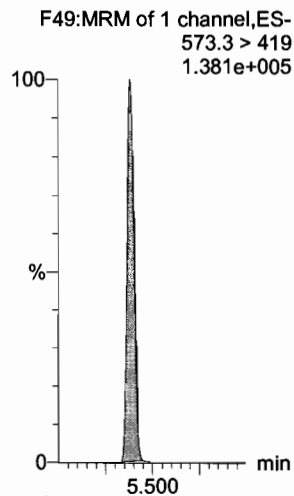
**13C2-PFDA**



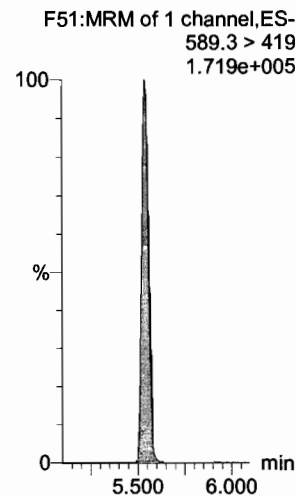
**13C2-8:2 FTS**



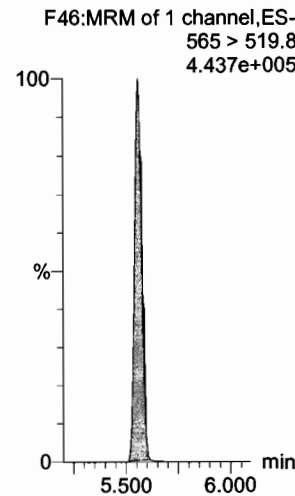
**d3-N-MeFOSAA**



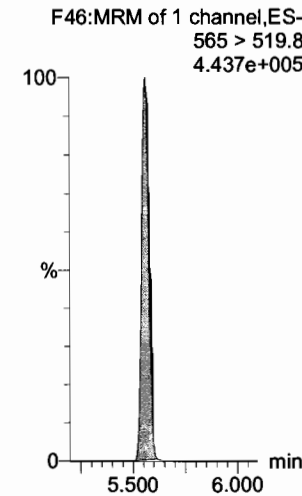
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUDa**

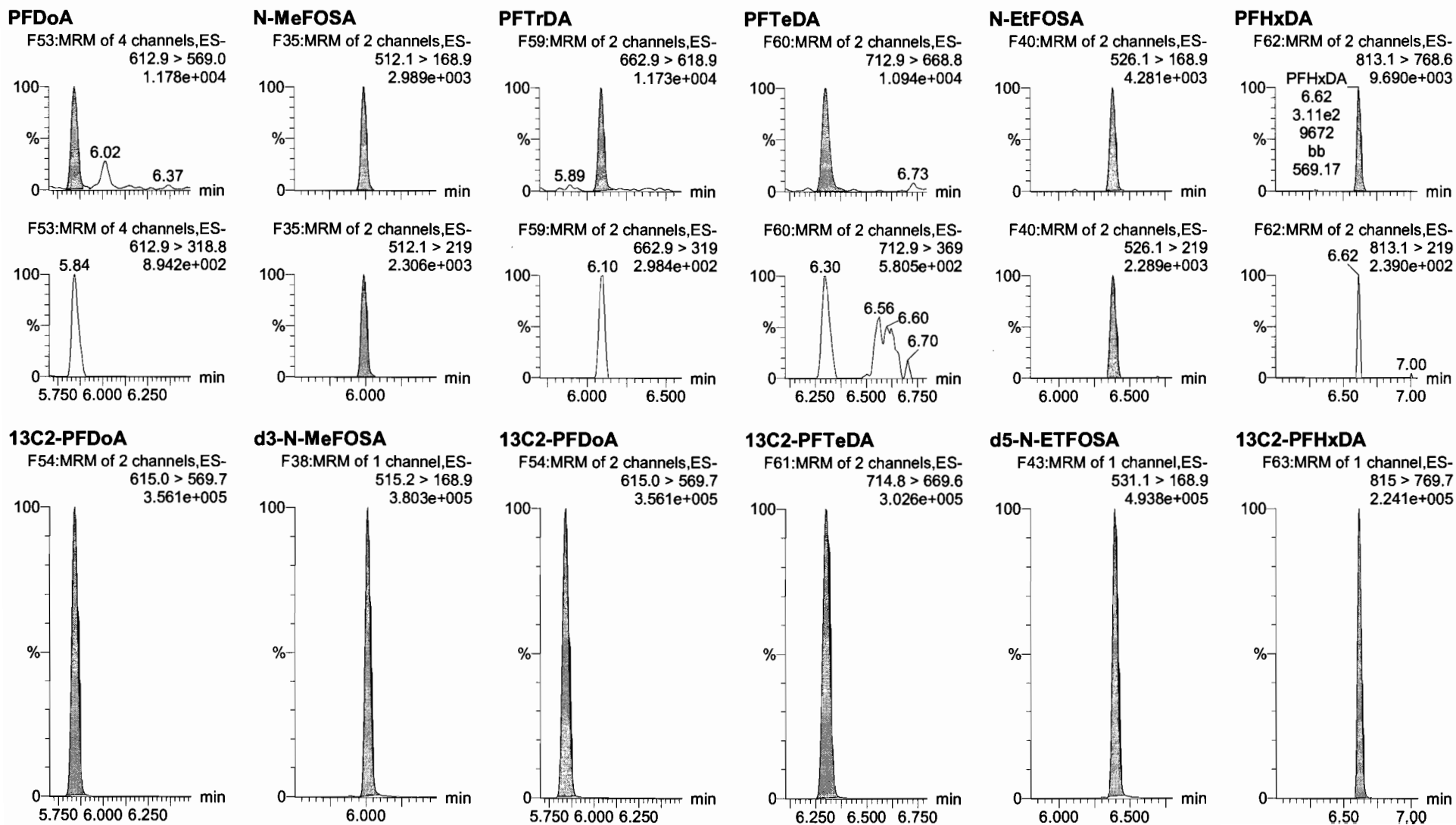


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203



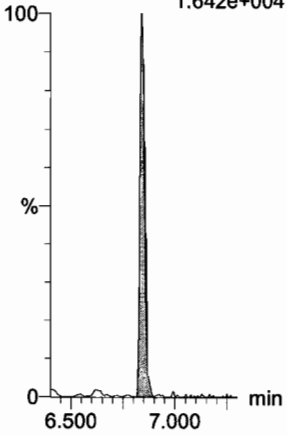
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

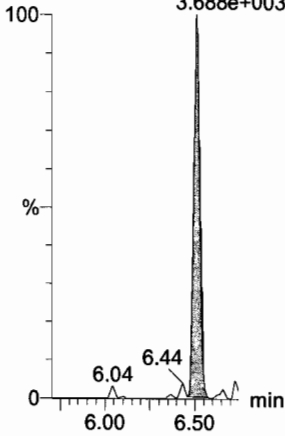
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
1.642e+004



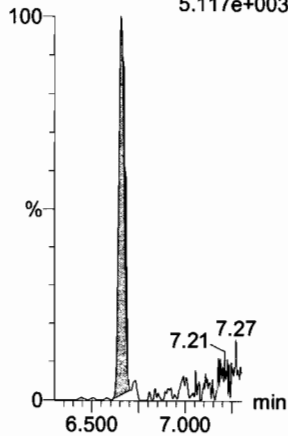
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
3.688e+003



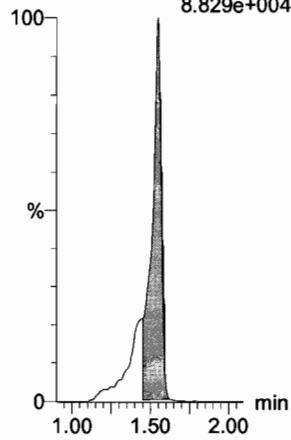
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
5.117e+003



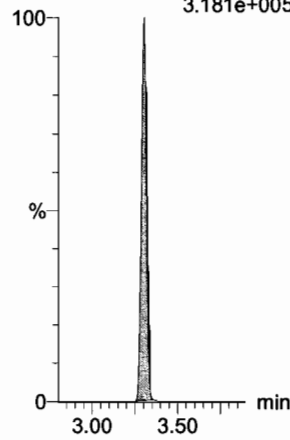
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
8.829e+004



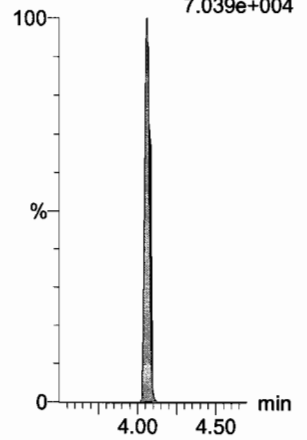
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
3.181e+005



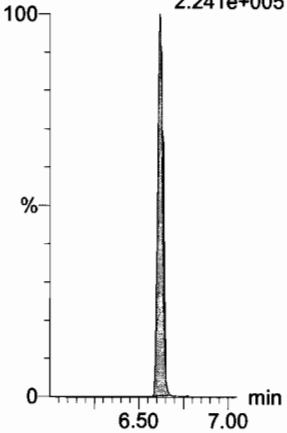
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
7.039e+004



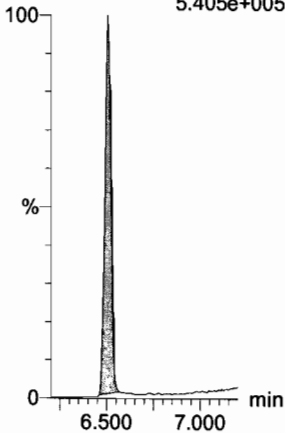
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
2.241e+005



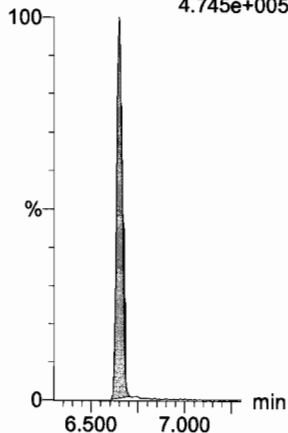
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
5.405e+005



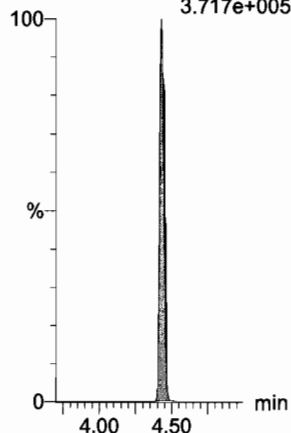
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
4.745e+005



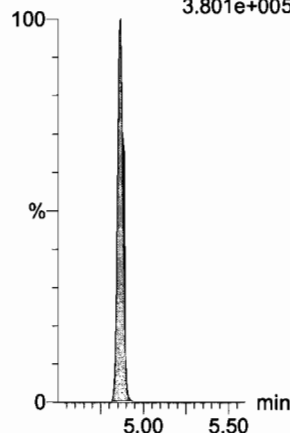
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
3.717e+005



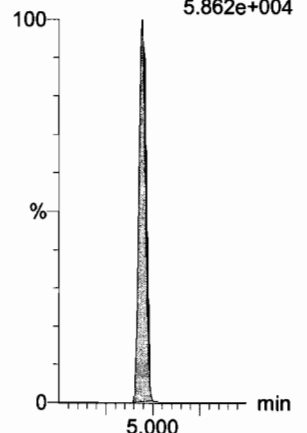
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
3.801e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
5.862e+004



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

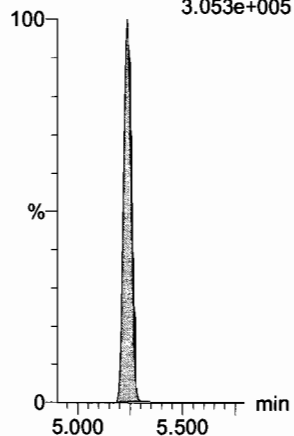
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_2, Date: 19-Mar-2018, Time: 19:11:54, ID: ST180319M1-1 PFC CS-2 18C1203, Description: PFC CS-2 18C1203

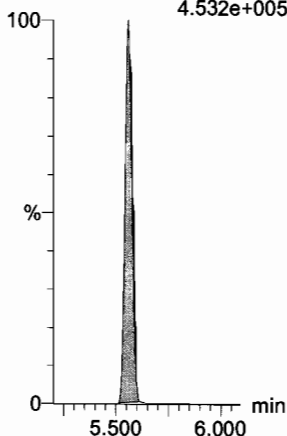
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.053e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
4.532e+005

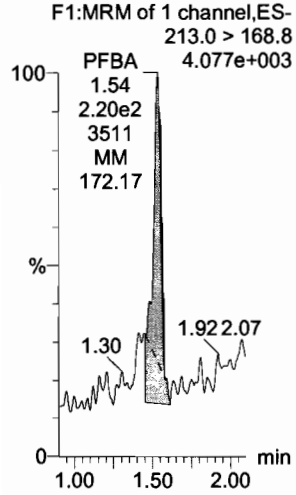


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

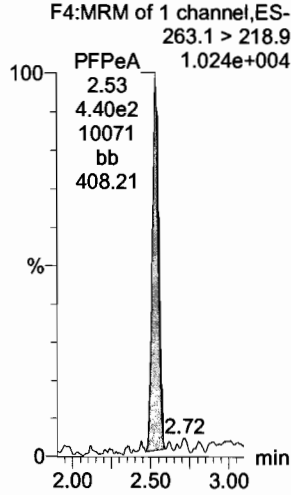
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

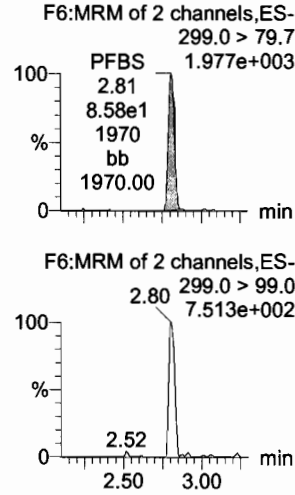
**PFBA**



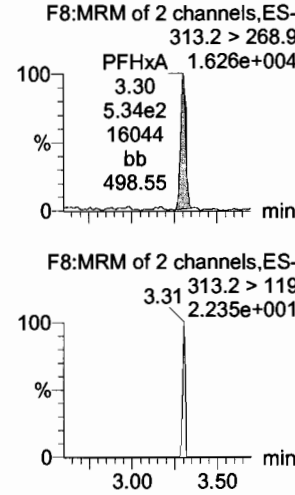
**PFPeA**



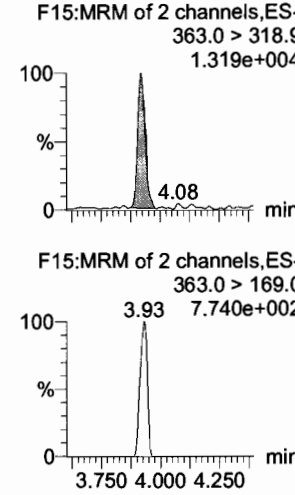
**PFBS**



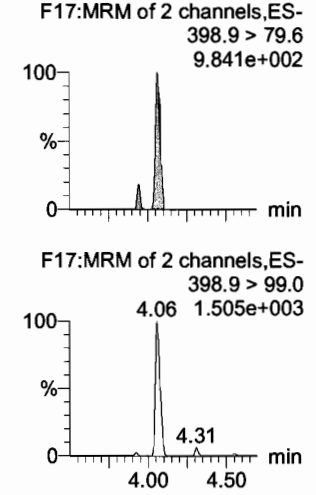
**PFHxA**



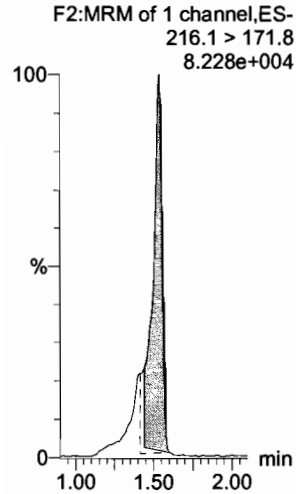
**PFHpA**



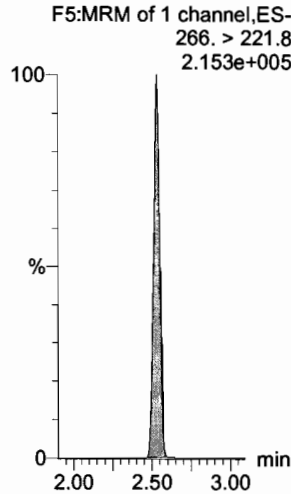
**L-PFHxS**



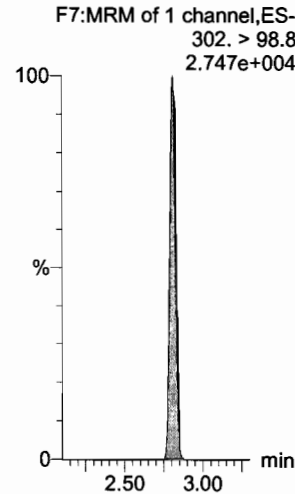
**13C3-PFBA**



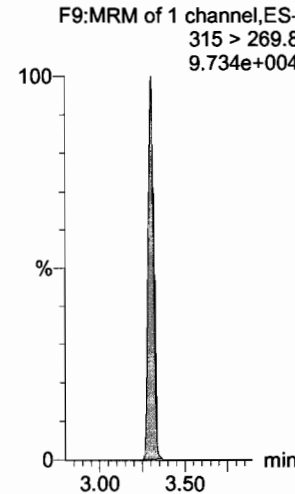
**13C3-PFPeA**



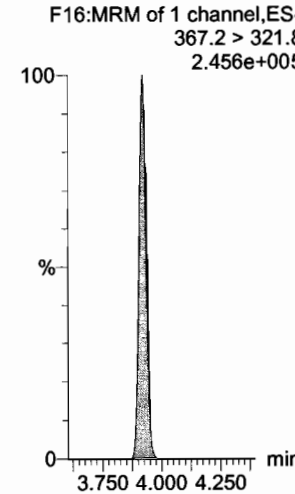
**13C3-PFBS**



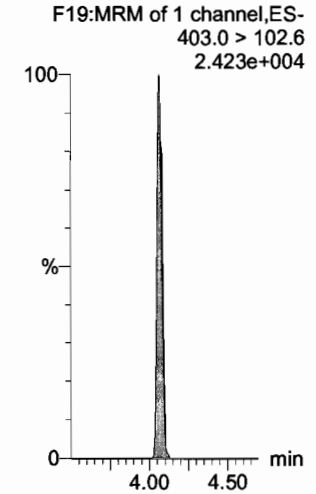
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

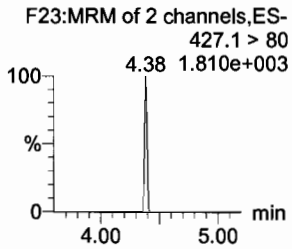
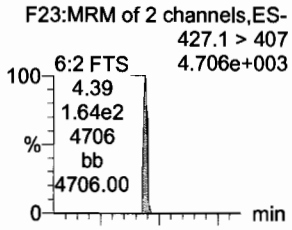


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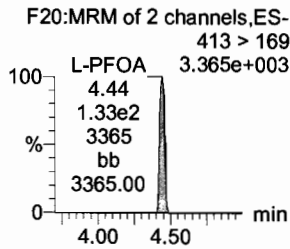
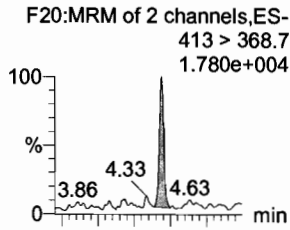
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

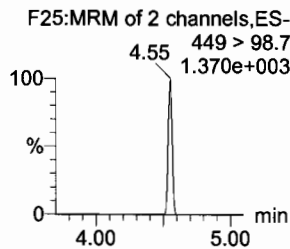
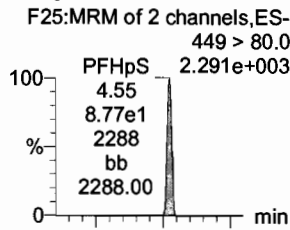
**6:2 FTS**



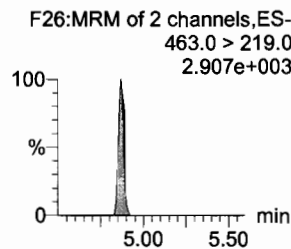
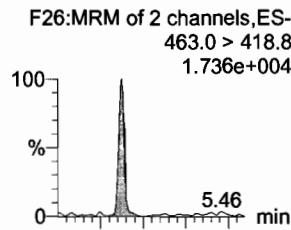
**L-PFOA**



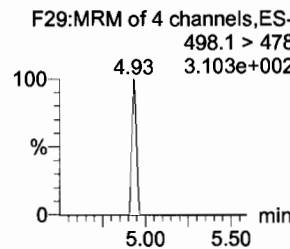
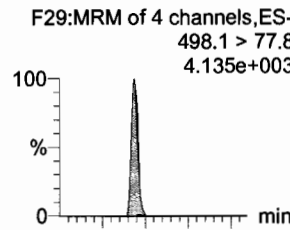
**PFHpS**



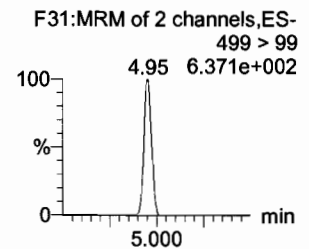
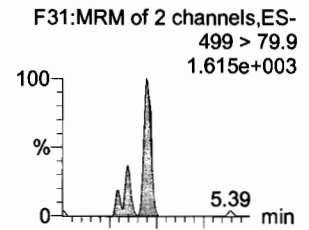
**PFNA**



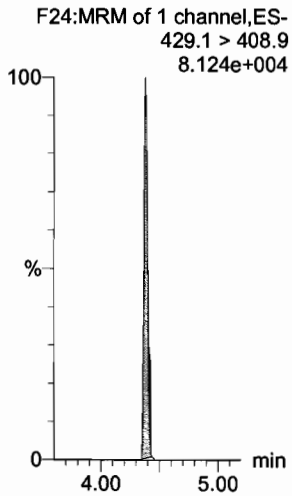
**PFOSA**



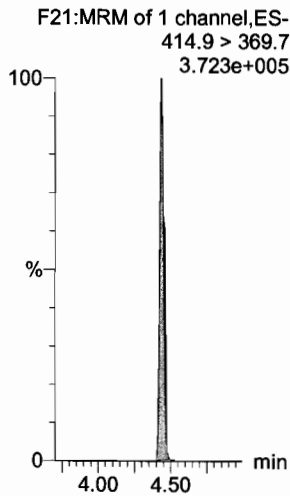
**L-PFOS**



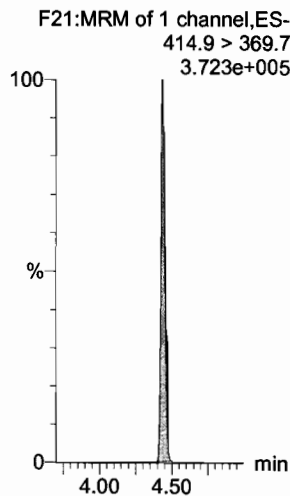
**13C2-6:2 FTS**



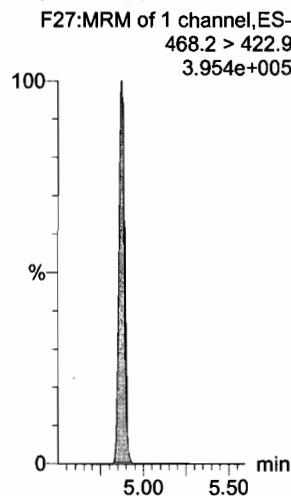
**13C2-PFOA**



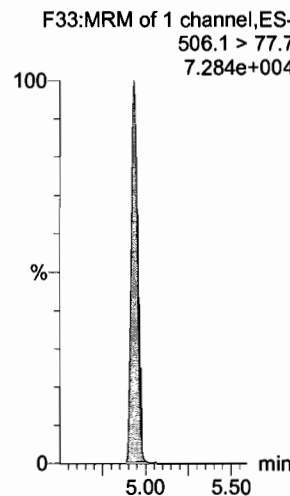
**13C2-PFOA**



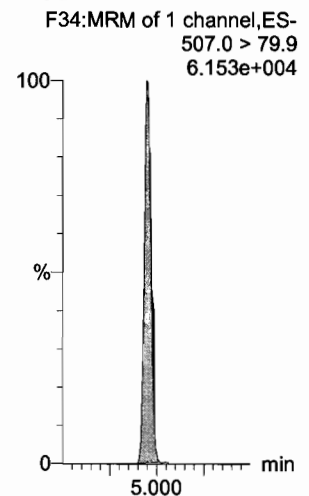
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



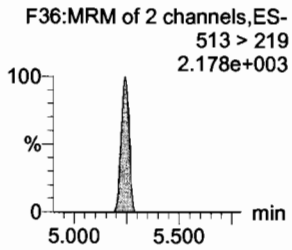
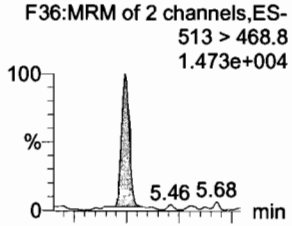


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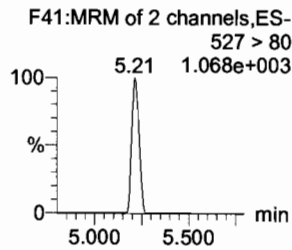
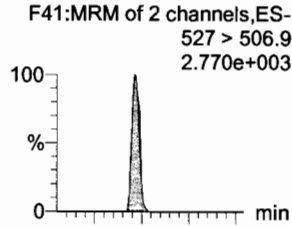
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

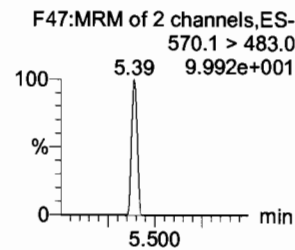
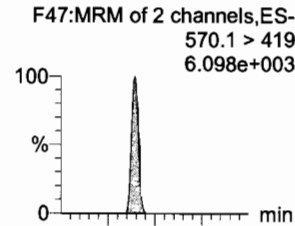
**PFDA**



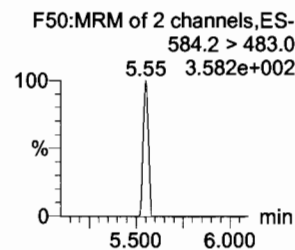
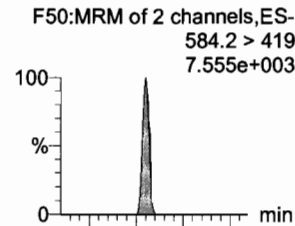
**8:2 FTS**



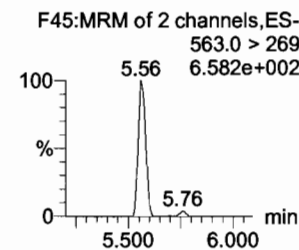
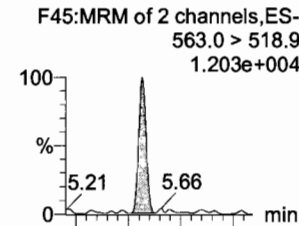
**N-MeFOSAA**



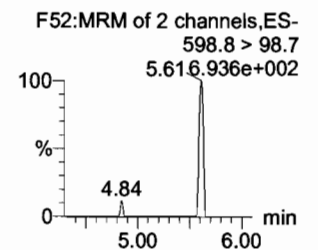
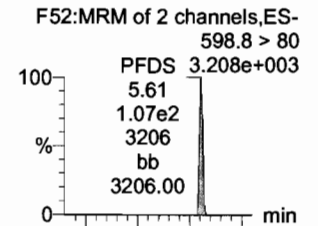
**N-EtFOSAA**



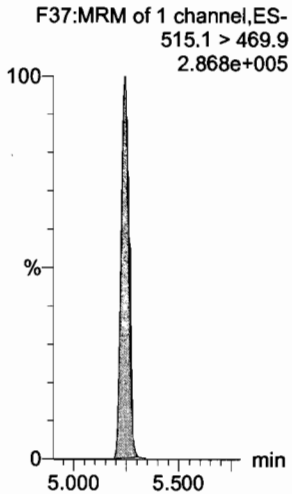
**PFUdA**



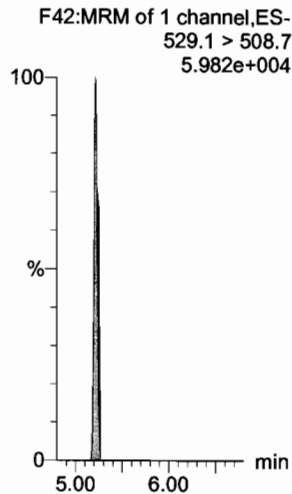
**PFDS**



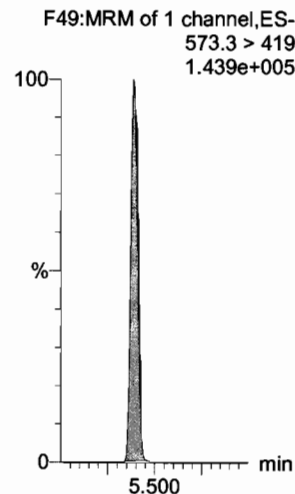
**13C2-PFDA**



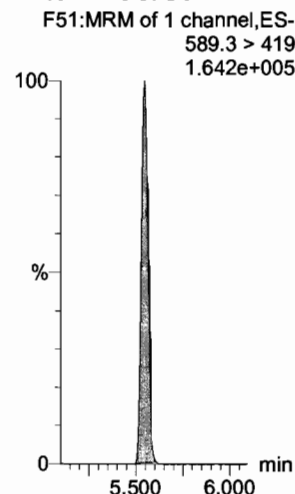
**13C2-8:2 FTS**



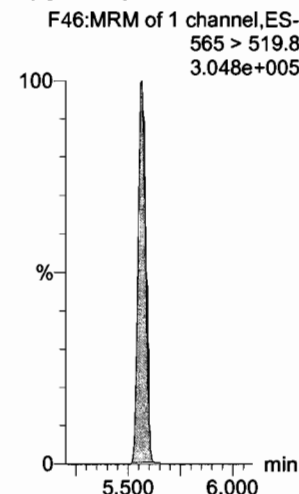
**d3-N-MeFOSAA**



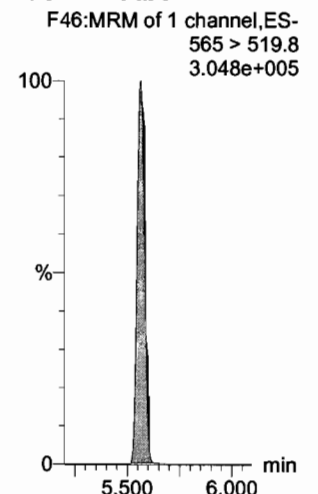
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

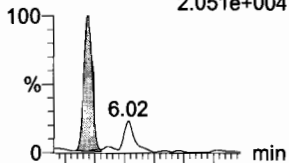
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

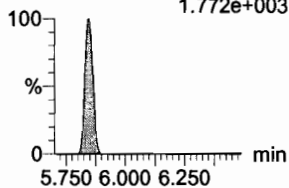
Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

**PFDoA**

F53:MRM of 4 channels,ES-  
612.9 > 569.0  
2.051e+004

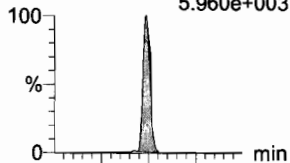


F53:MRM of 4 channels,ES-  
612.9 > 318.8  
1.772e+003

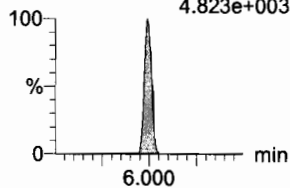


**N-MeFOSA**

F35:MRM of 2 channels,ES-  
512.1 > 168.9  
5.960e+003

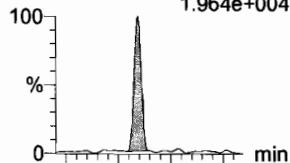


F35:MRM of 2 channels,ES-  
512.1 > 219  
4.823e+003

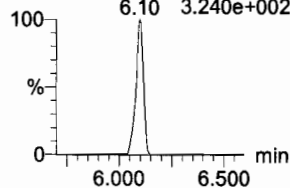


**PFTrDA**

F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.964e+004



F59:MRM of 2 channels,ES-  
662.9 > 319  
3.240e+002

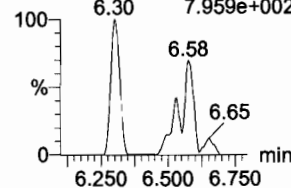


**PFTeDA**

F60:MRM of 2 channels,ES-  
712.9 > 668.8  
2.024e+004

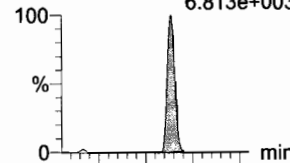


F60:MRM of 2 channels,ES-  
712.9 > 369  
7.959e+002

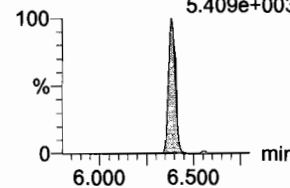


**N-EtFOSA**

F40:MRM of 2 channels,ES-  
526.1 > 168.9  
6.813e+003

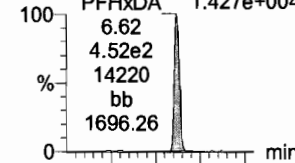


F40:MRM of 2 channels,ES-  
526.1 > 219  
5.409e+003

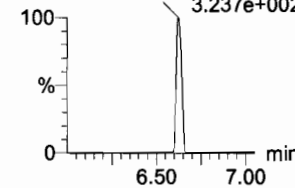


**PFHxDA**

F62:MRM of 2 channels,ES-  
813.1 > 768.6  
1.427e+004

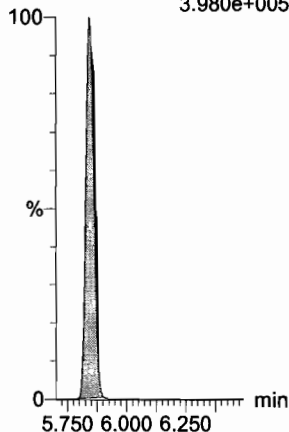


F62:MRM of 2 channels,ES-  
813.1 > 219  
3.237e+002



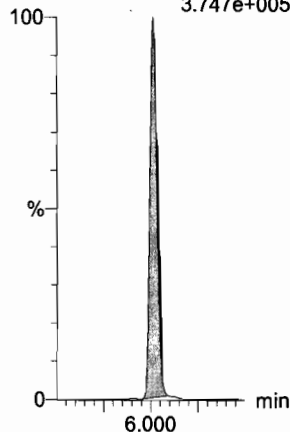
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
3.980e+005



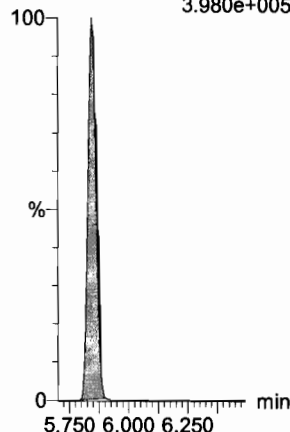
**d3-N-MeFOSA**

F38:MRM of 1 channel,ES-  
515.2 > 168.9  
3.747e+005



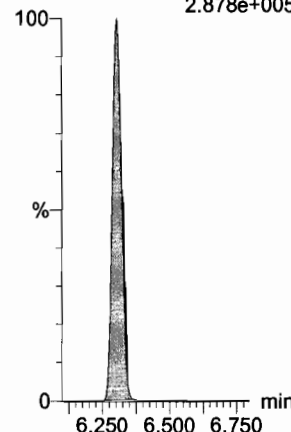
**13C2-PFDoA**

F54:MRM of 2 channels,ES-  
615.0 > 569.7  
3.980e+005



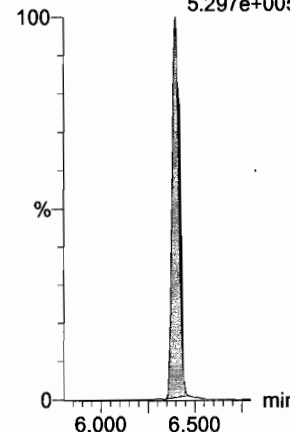
**13C2-PFTeDA**

F61:MRM of 2 channels,ES-  
714.8 > 669.6  
2.878e+005



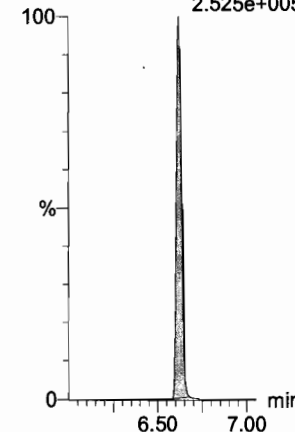
**d5-N-ETFOSA**

F43:MRM of 1 channel,ES-  
531.1 > 168.9  
5.297e+005



**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
2.525e+005



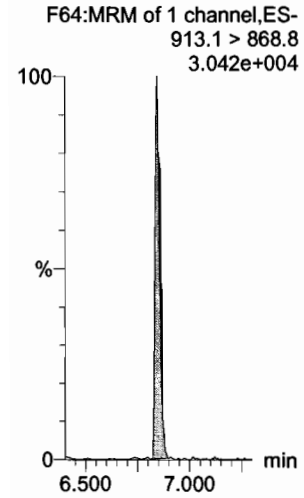
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

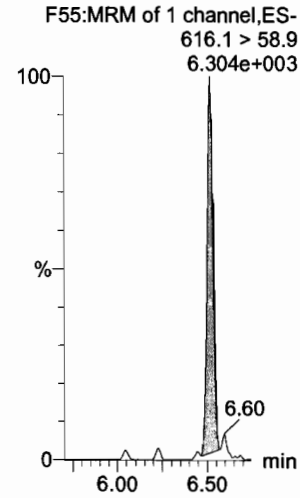
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

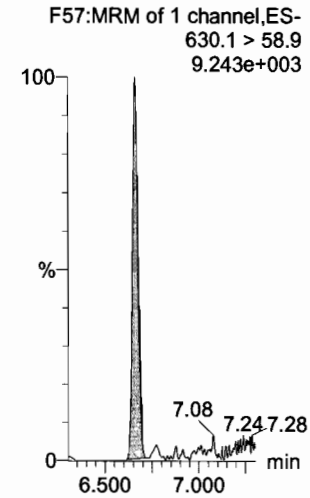
**PFODA**



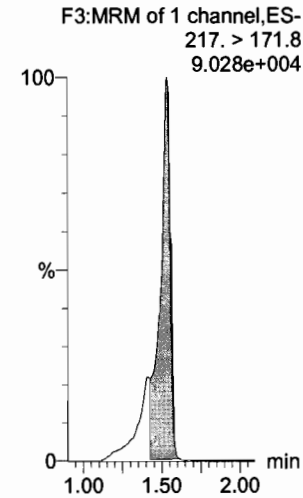
**N-MeFOSE**



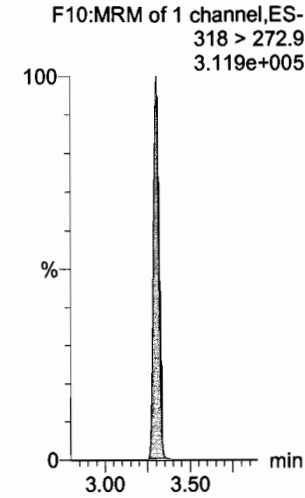
**N-EtFOSE**



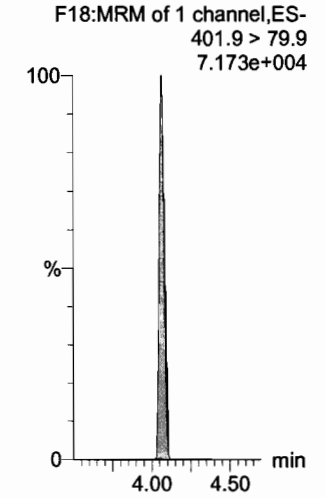
**13C4-PFBA**



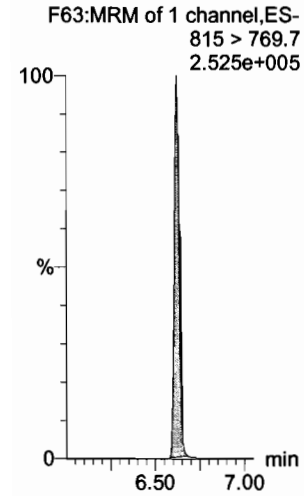
**13C5-PFHxA**



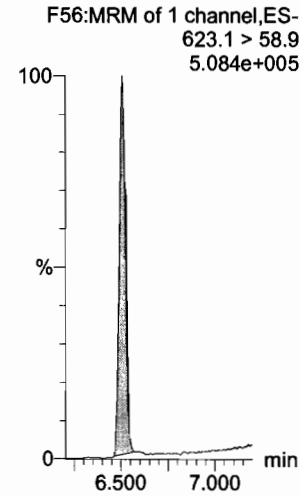
**13C3-PFHxS**



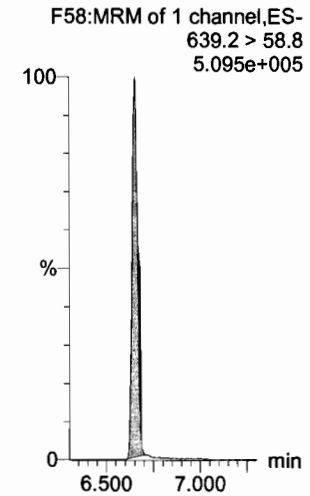
**13C2-PFHxDA**



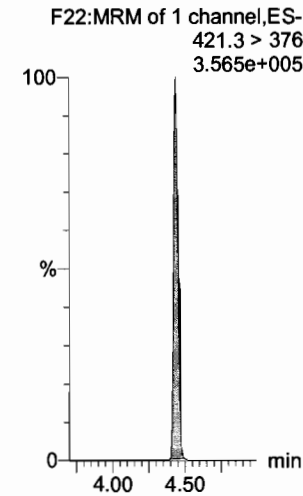
**d7-N-MeFOSE**



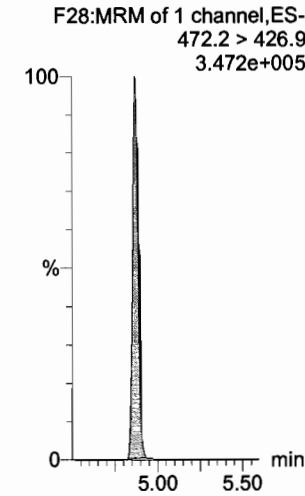
**d9-N-EtFOSE**



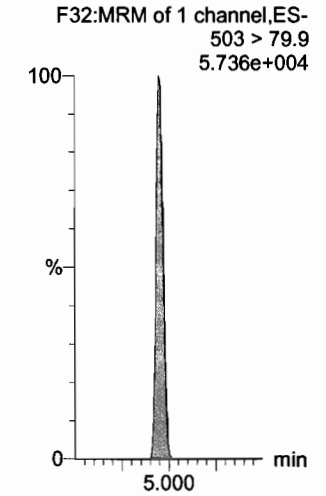
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

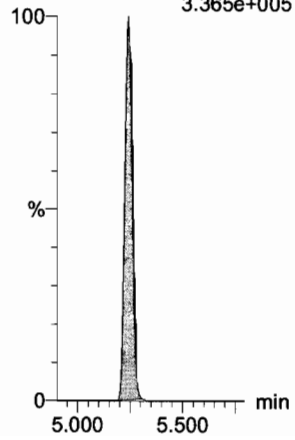
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_3, Date: 19-Mar-2018, Time: 19:23:23, ID: ST180319M1-2 PFC CS-1 18C1204, Description: PFC CS-1 18C1204

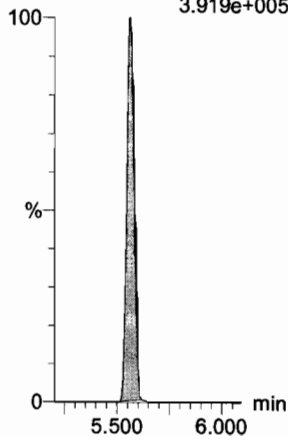
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.365e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.919e+005



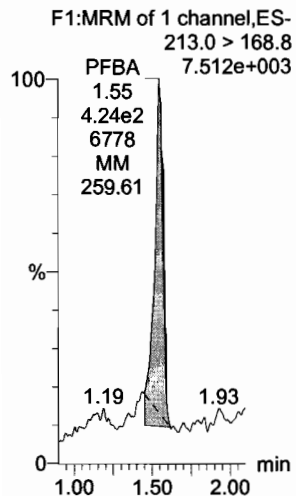
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

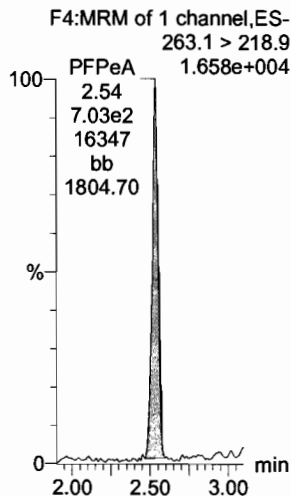
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_4, Date: 19-Mar-2018, Time: 19:34:52, ID: ST180319M1-3 PFC CS0 18C1205, Description: PFC CS0 18C1205

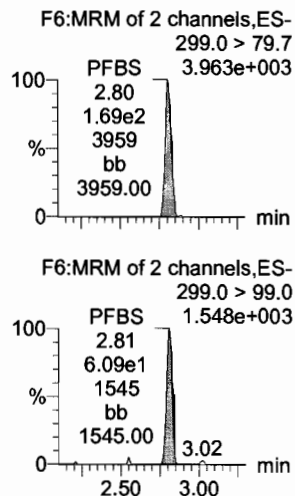
**PFBA**



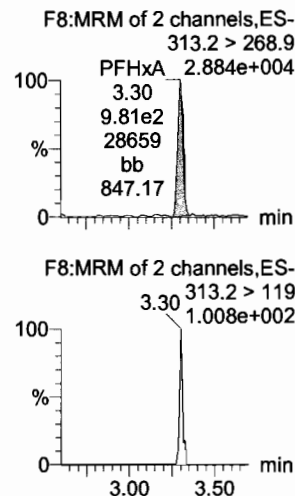
**PFPeA**



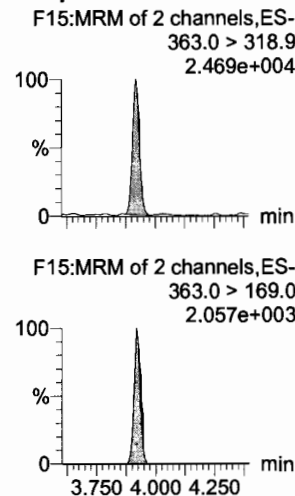
**PFBS**



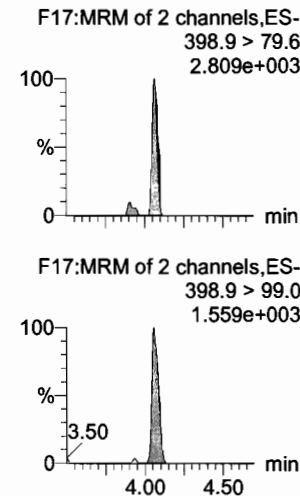
**PFHxA**



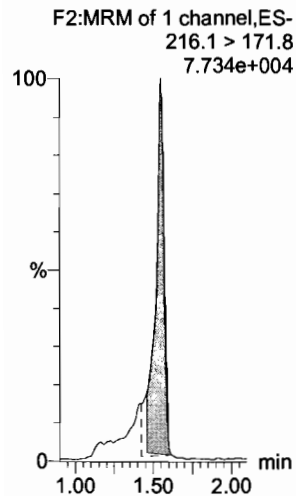
**PFHpA**



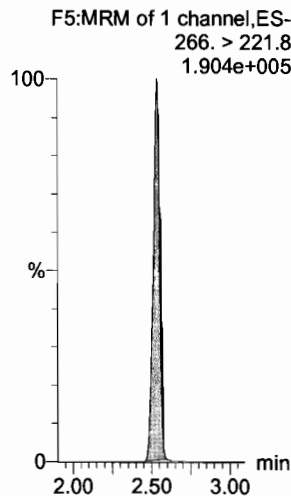
**L-PFHxS**



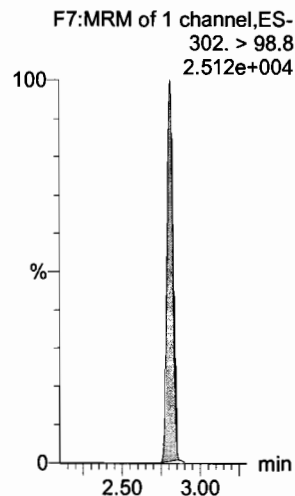
**13C3-PFBA**



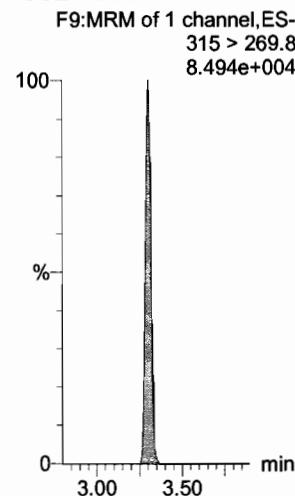
**13C3-PFPeA**



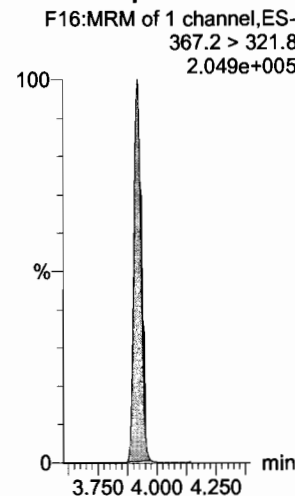
**13C3-PFBS**



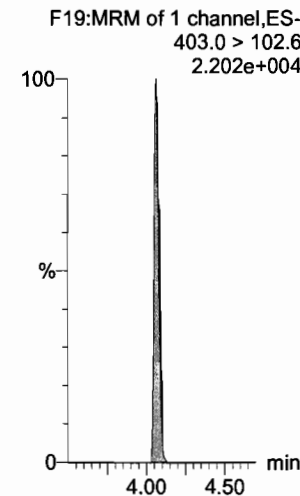
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

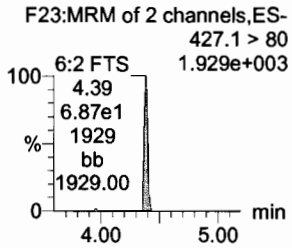
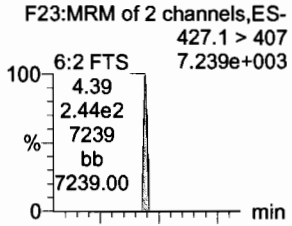


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

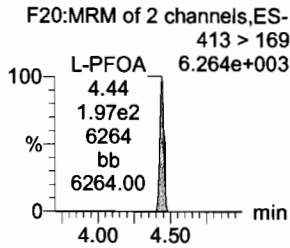
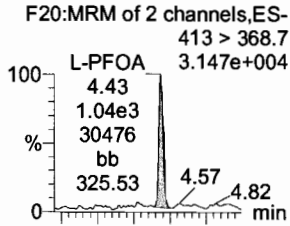
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_4, Date: 19-Mar-2018, Time: 19:34:52, ID: ST180319M1-3 PFC CS0 18C1205, Description: PFC CS0 18C1205

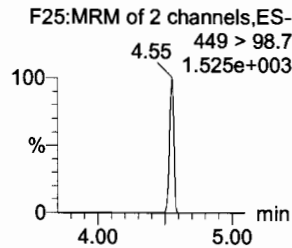
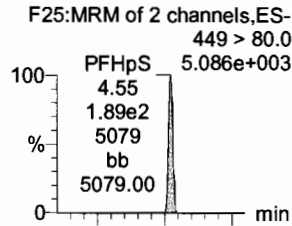
**6:2 FTS**



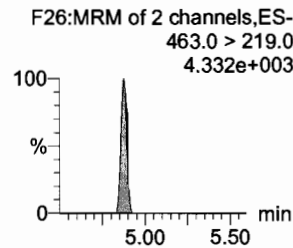
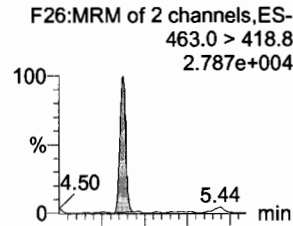
**L-PFOA**



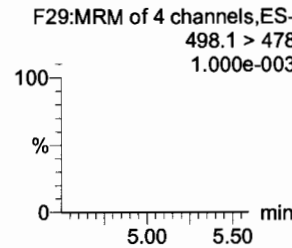
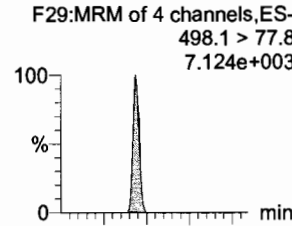
**PFHpS**



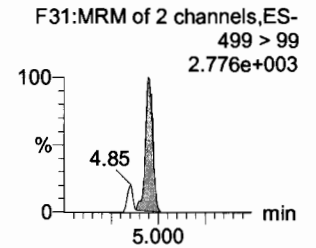
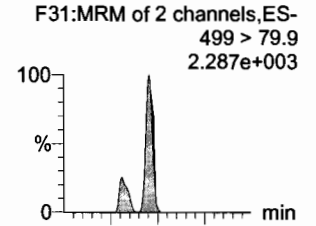
**PFNA**



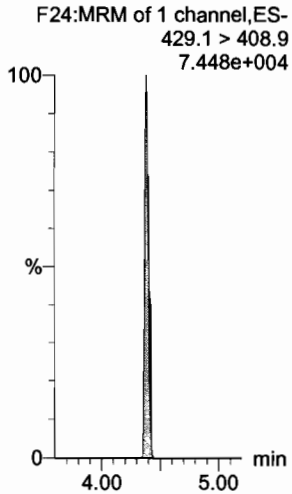
**PFOSA**



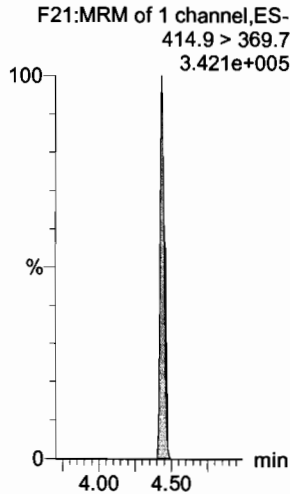
**L-PFOS**



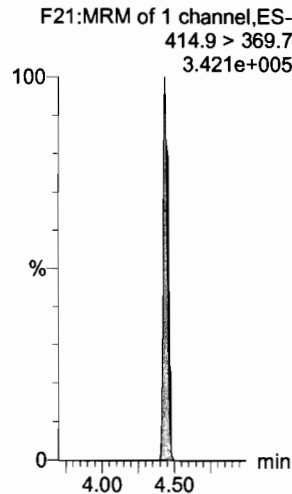
**13C2-6:2 FTS**



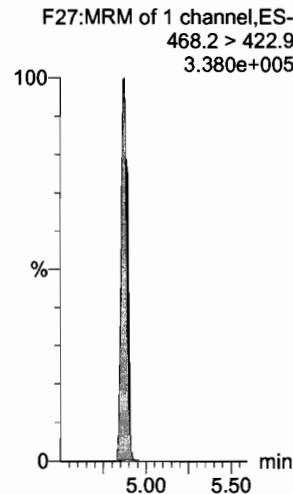
**13C2-PFOA**



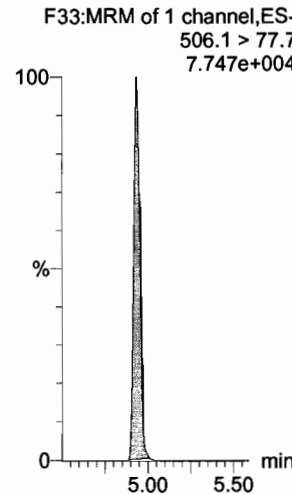
**13C2-PFOA**



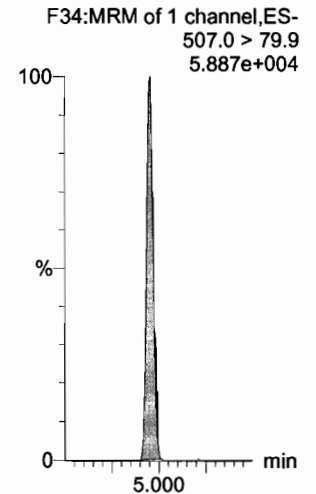
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

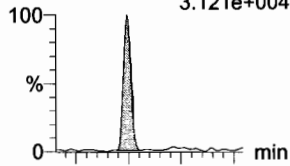
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_4, Date: 19-Mar-2018, Time: 19:34:52, ID: ST180319M1-3 PFC CS0 18C1205, Description: PFC CS0 18C1205

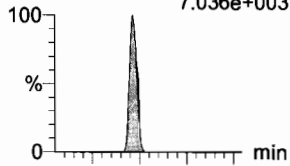
**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
3.121e+004



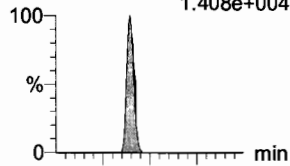
**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
7.036e+003



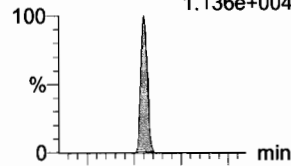
**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.408e+004



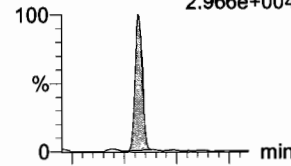
**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.136e+004



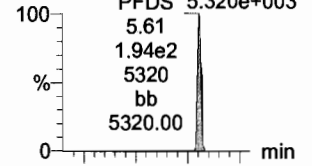
**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
2.966e+004

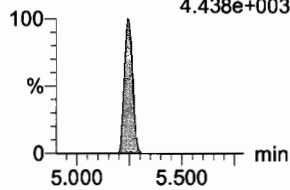


**PFDS**

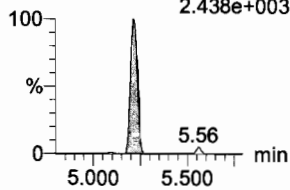
F52:MRM of 2 channels,ES-  
598.8 > 80  
5.320e+003



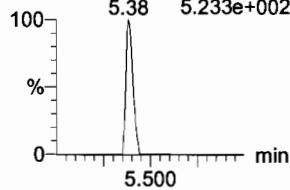
F36:MRM of 2 channels,ES-  
513 > 219  
4.438e+003



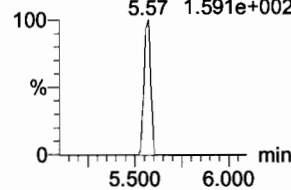
F41:MRM of 2 channels,ES-  
527 > 80  
2.438e+003



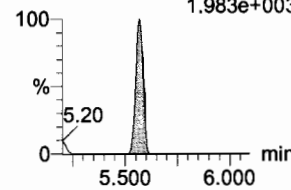
F47:MRM of 2 channels,ES-  
570.1 > 483.0  
5.38 5.233e+002



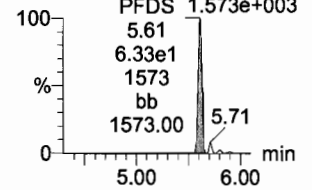
F50:MRM of 2 channels,ES-  
584.2 > 483.0  
5.57 1.591e+002



F45:MRM of 2 channels,ES-  
563.0 > 269  
1.983e+003

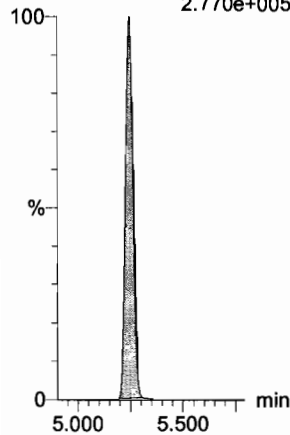


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.573e+003



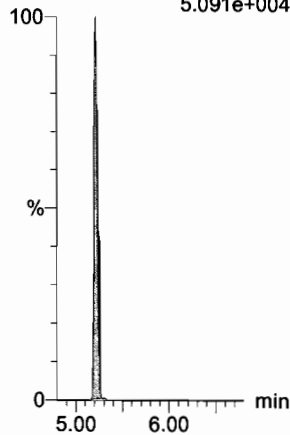
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
2.770e+005



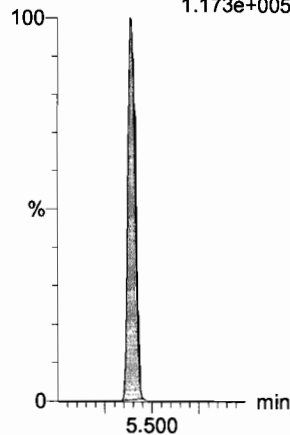
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
5.091e+004



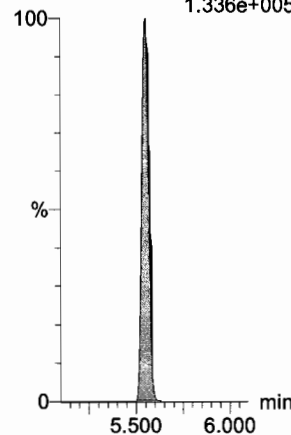
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
1.173e+005



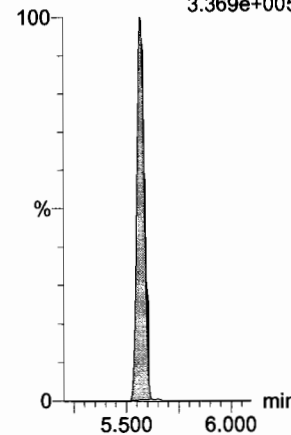
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
1.336e+005



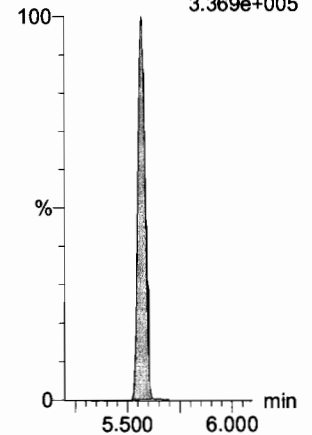
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.369e+005



**13C2-PFUdA**

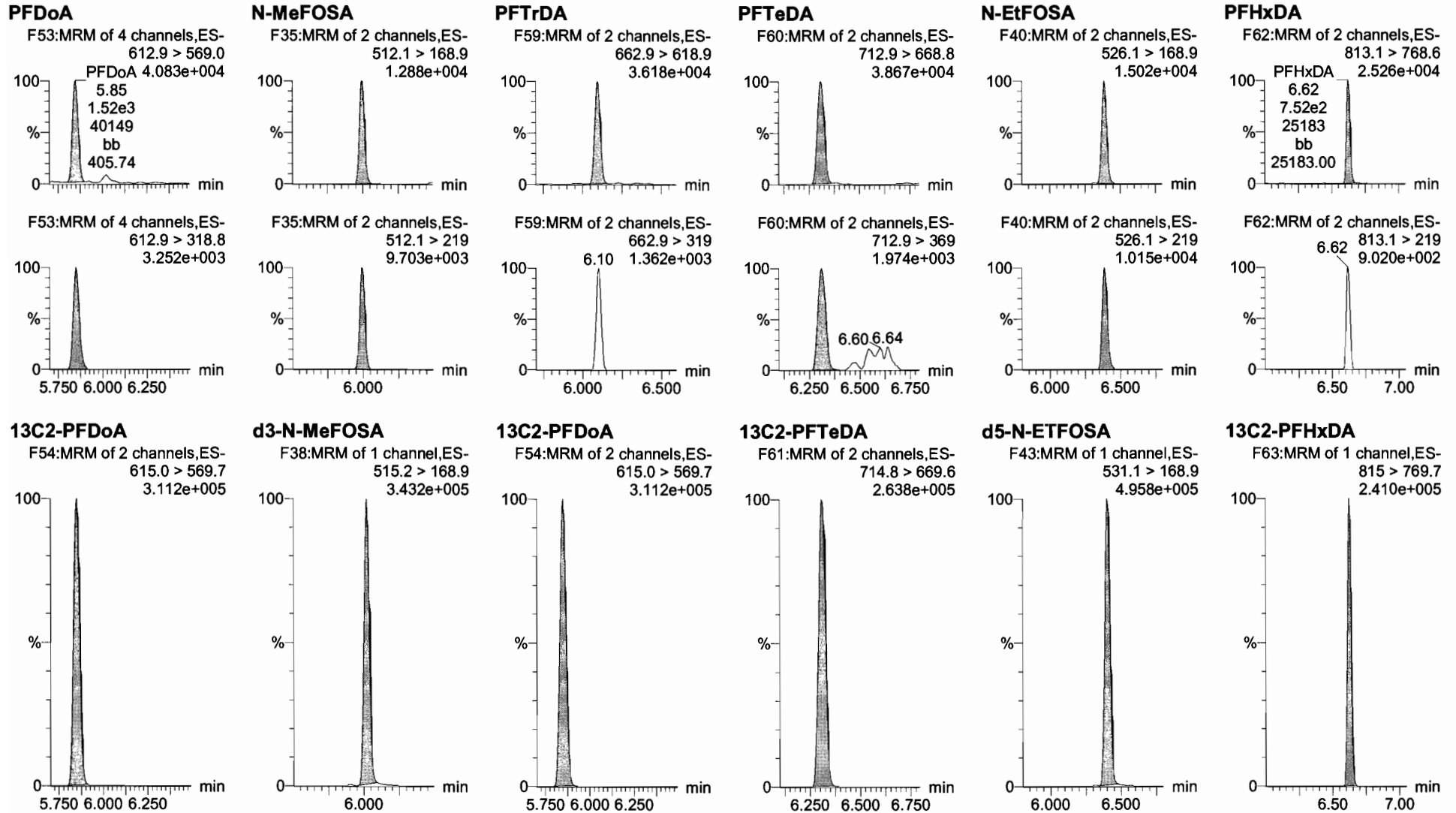
F46:MRM of 1 channel,ES-  
565 > 519.8  
3.369e+005



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_4, Date: 19-Mar-2018, Time: 19:34:52, ID: ST180319M1-3 PFC CS0 18C1205, Description: PFC CS0 18C1205





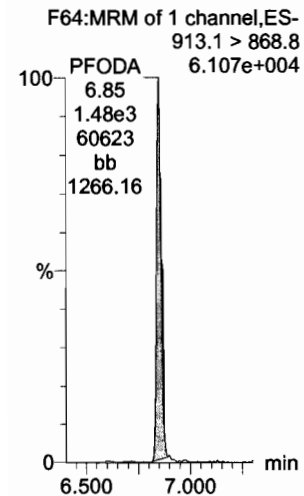
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

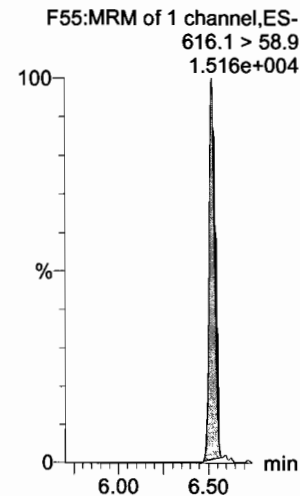
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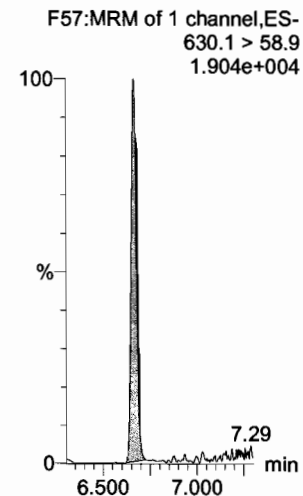
**PFODA**



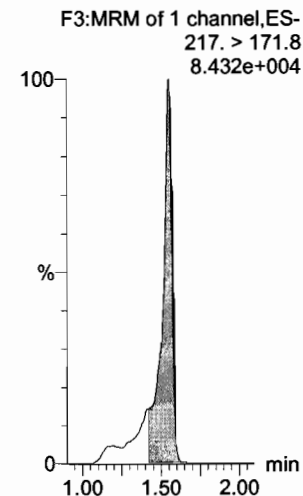
**N-MeFOSE**



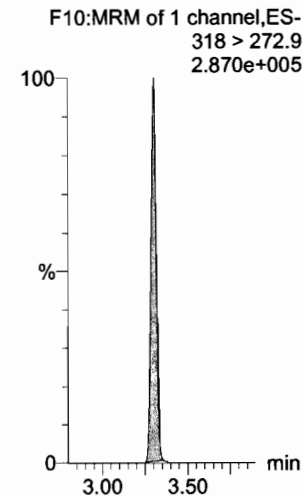
**N-EtFOSE**



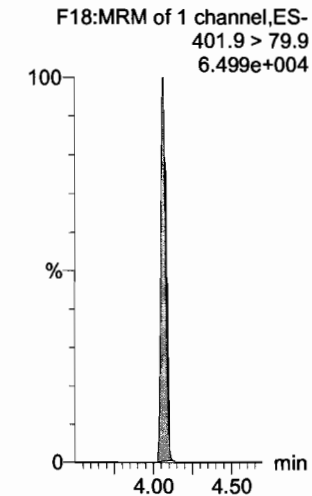
**13C4-PFBA**



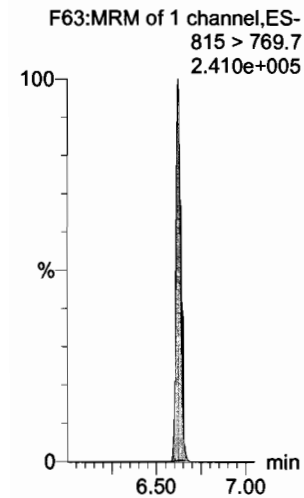
**13C5-PFHxA**



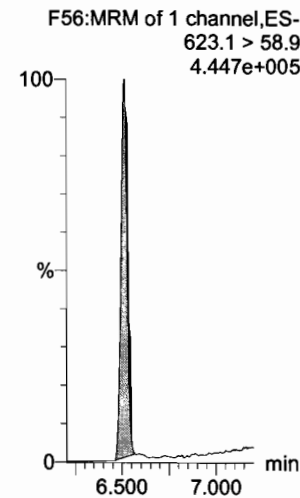
**13C3-PFHxS**



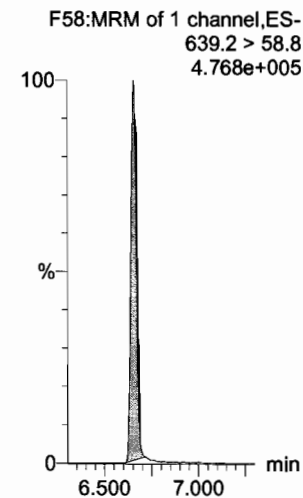
**13C2-PFHxDA**



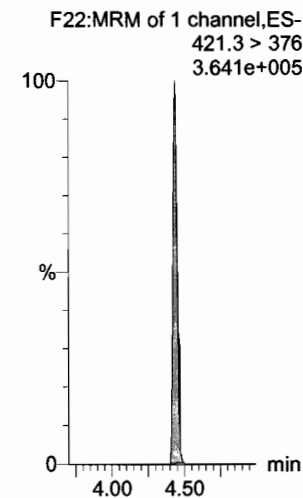
**d7-N-MeFOSE**



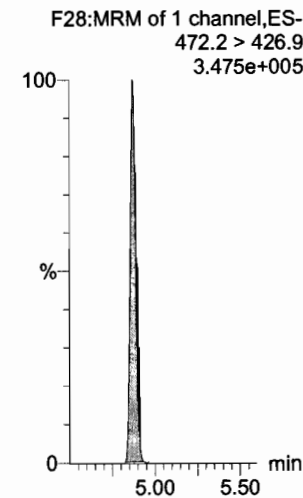
**d9-N-EtFOSE**



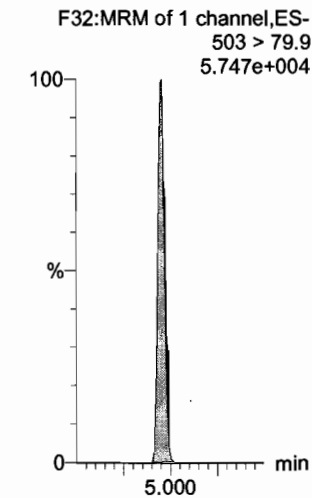
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

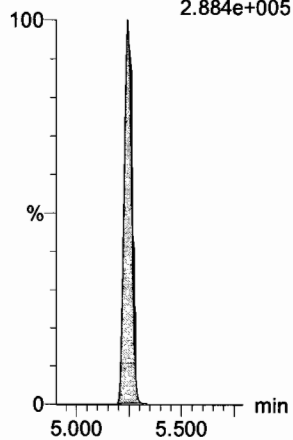
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_4, Date: 19-Mar-2018, Time: 19:34:52, ID: ST180319M1-3 PFC CS0 18C1205, Description: PFC CS0 18C1205

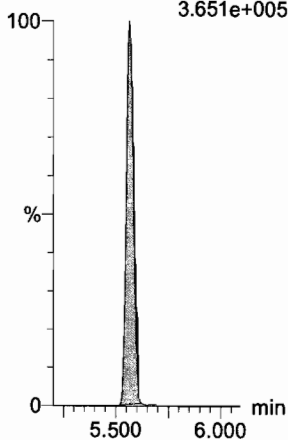
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.884e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.651e+005



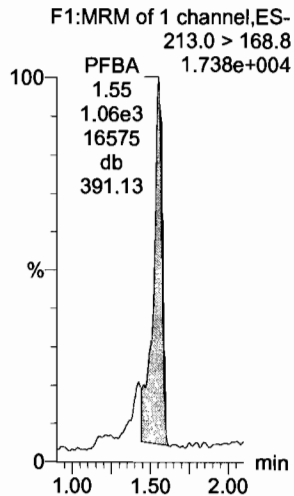
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

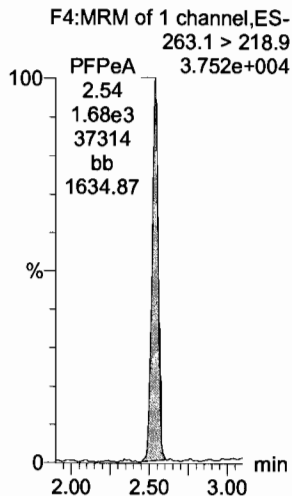
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_5, Date: 19-Mar-2018, Time: 19:46:21, ID: ST180319M1-4 PFC CS1 18C1206, Description: PFC CS1 18C1206

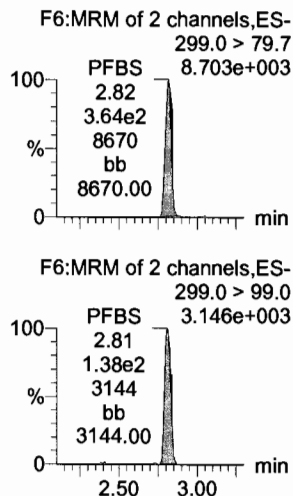
**PFBA**



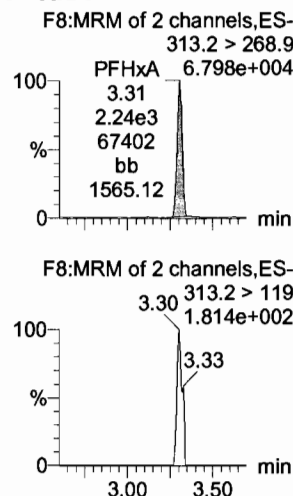
**PFPeA**



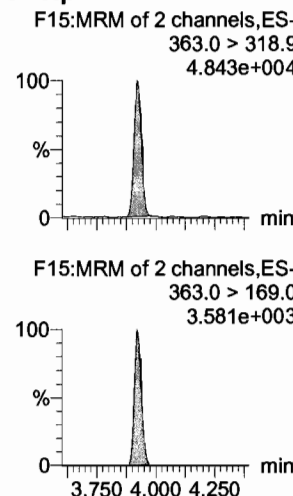
**PFBS**



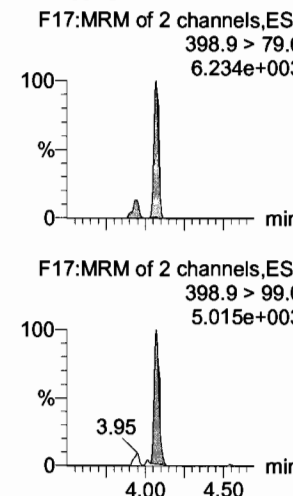
**PFHxA**



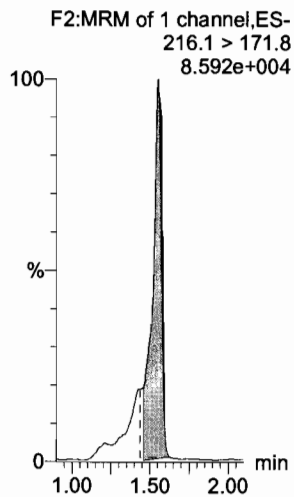
**PFHpA**



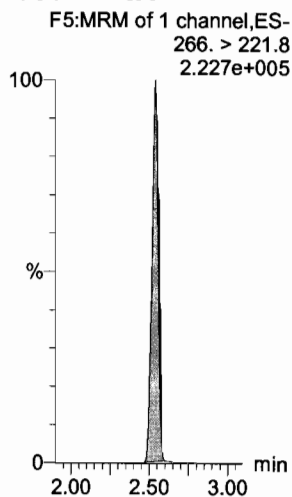
**L-PFHxS**



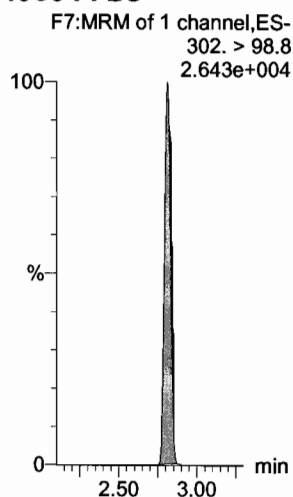
**13C3-PFBA**



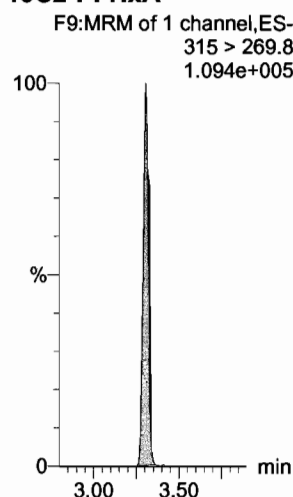
**13C3-PFPeA**



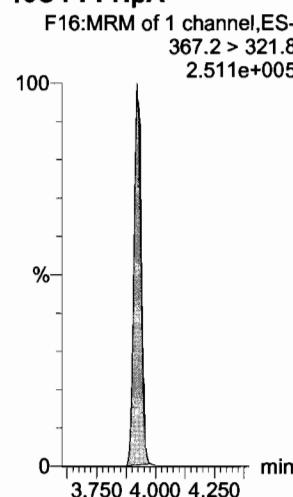
**13C3-PFBS**



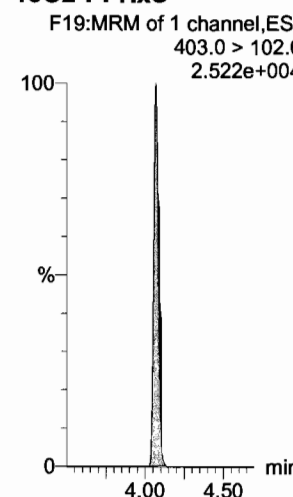
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



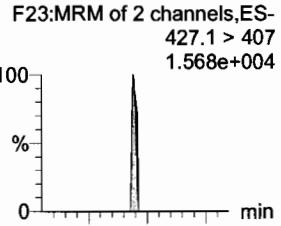
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

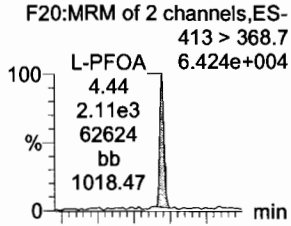
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_5, Date: 19-Mar-2018, Time: 19:46:21, ID: ST180319M1-4 PFC CS1 18C1206, Description: PFC CS1 18C1206

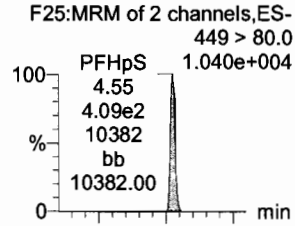
**6:2 FTS**



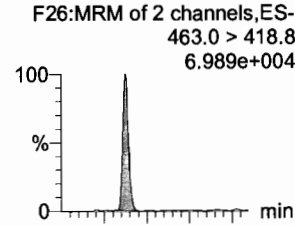
**L-PFOA**



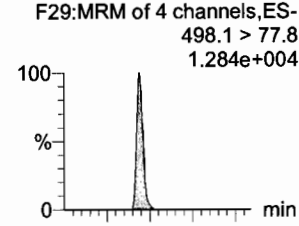
**PFHpS**



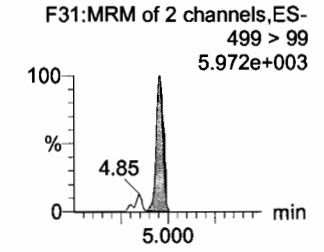
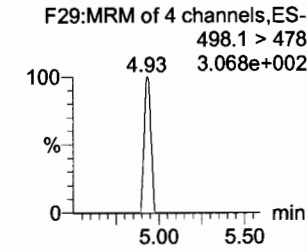
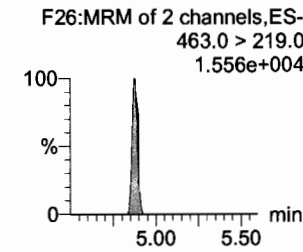
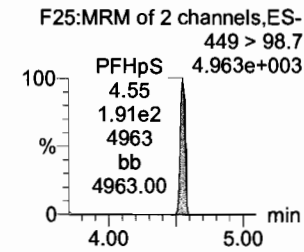
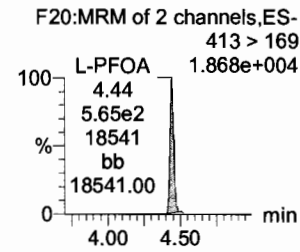
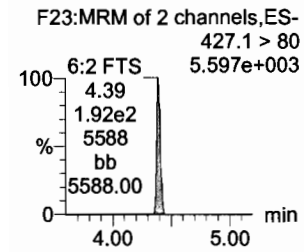
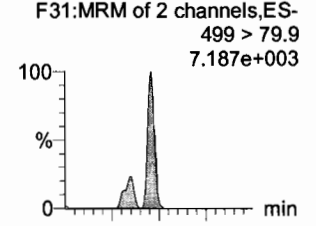
**PFNA**



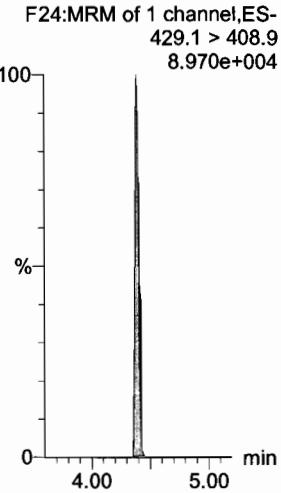
**PFOSA**



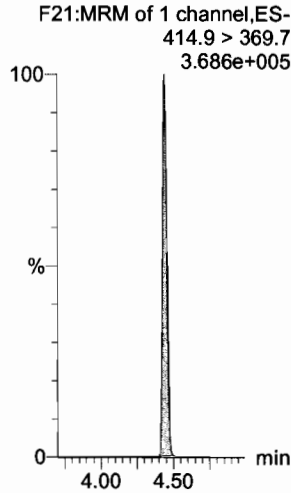
**L-PFOS**



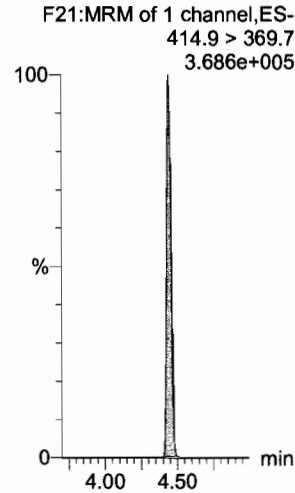
**13C2-6:2 FTS**



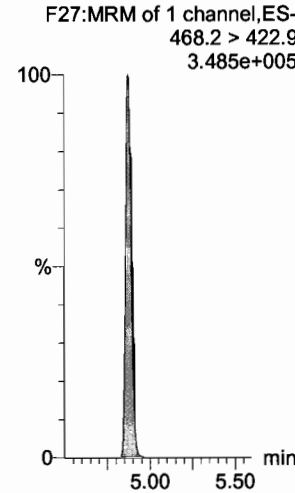
**13C2-PFOA**



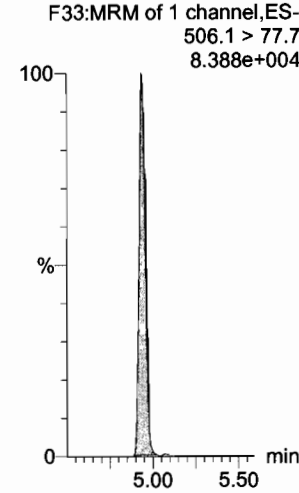
**13C2-PFOA**



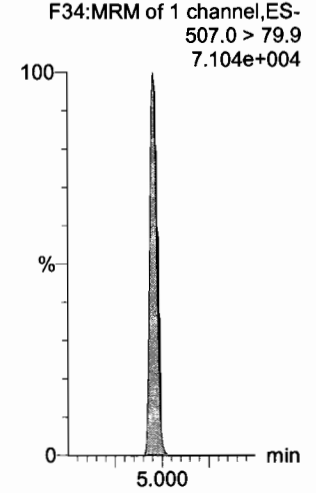
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



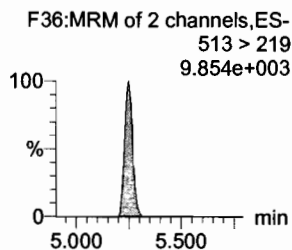
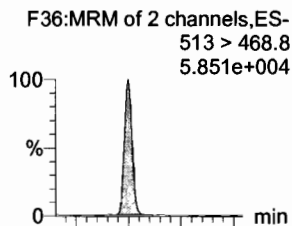
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

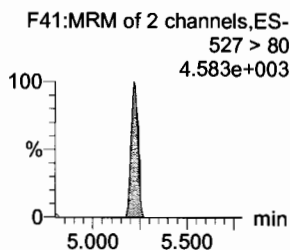
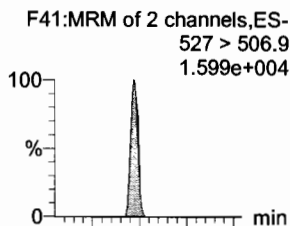
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_5, Date: 19-Mar-2018, Time: 19:46:21, ID: ST180319M1-4 PFC CS1 18C1206, Description: PFC CS1 18C1206

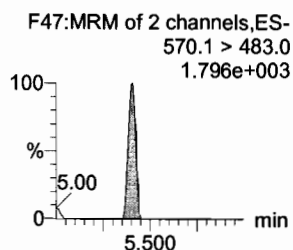
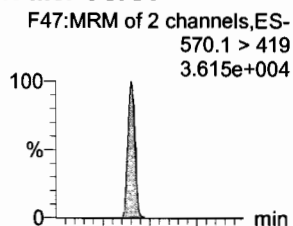
**PFDA**



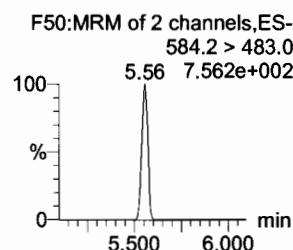
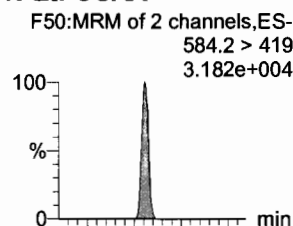
**8:2 FTS**



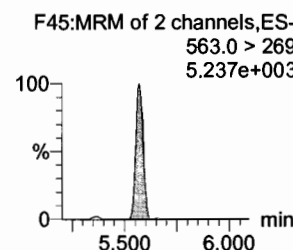
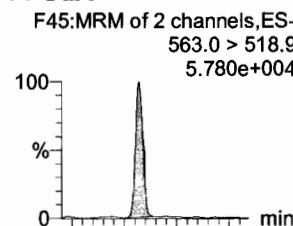
**N-MeFOSAA**



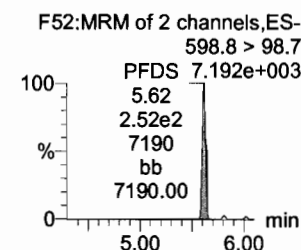
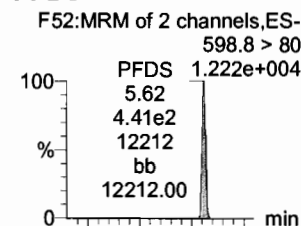
**N-EtFOSAA**



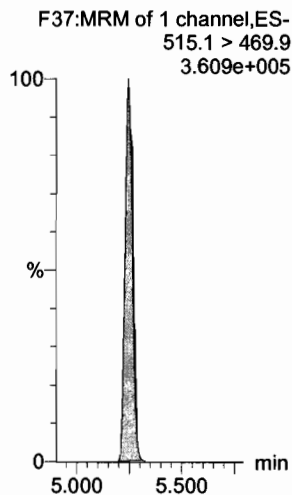
**PFUdA**



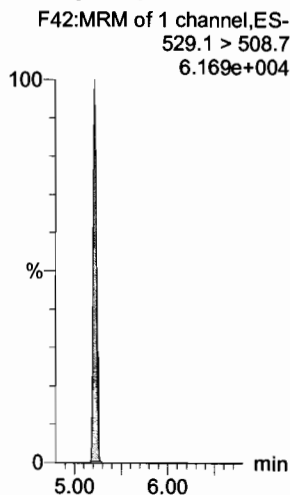
**PFDS**



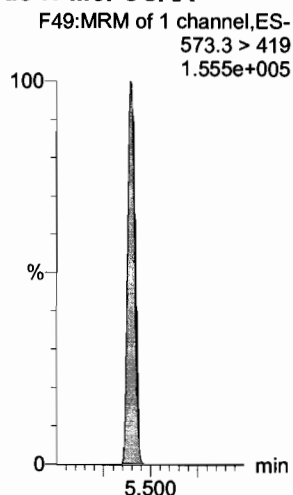
**13C2-PFDA**



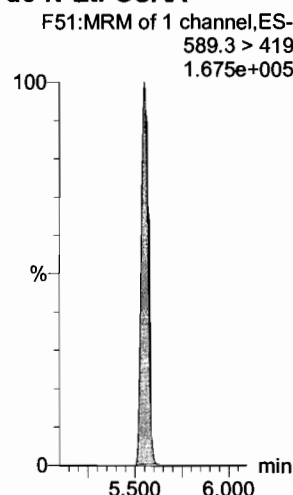
**13C2-8:2 FTS**



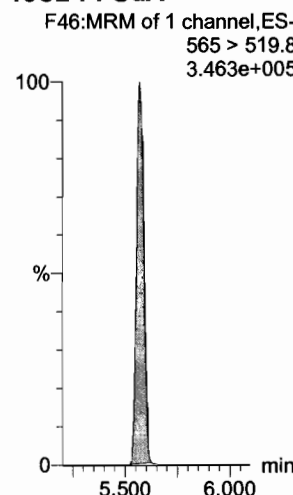
**d3-N-MeFOSAA**



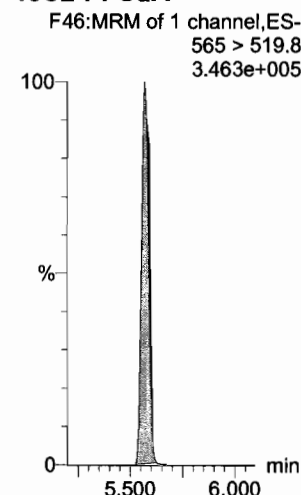
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**

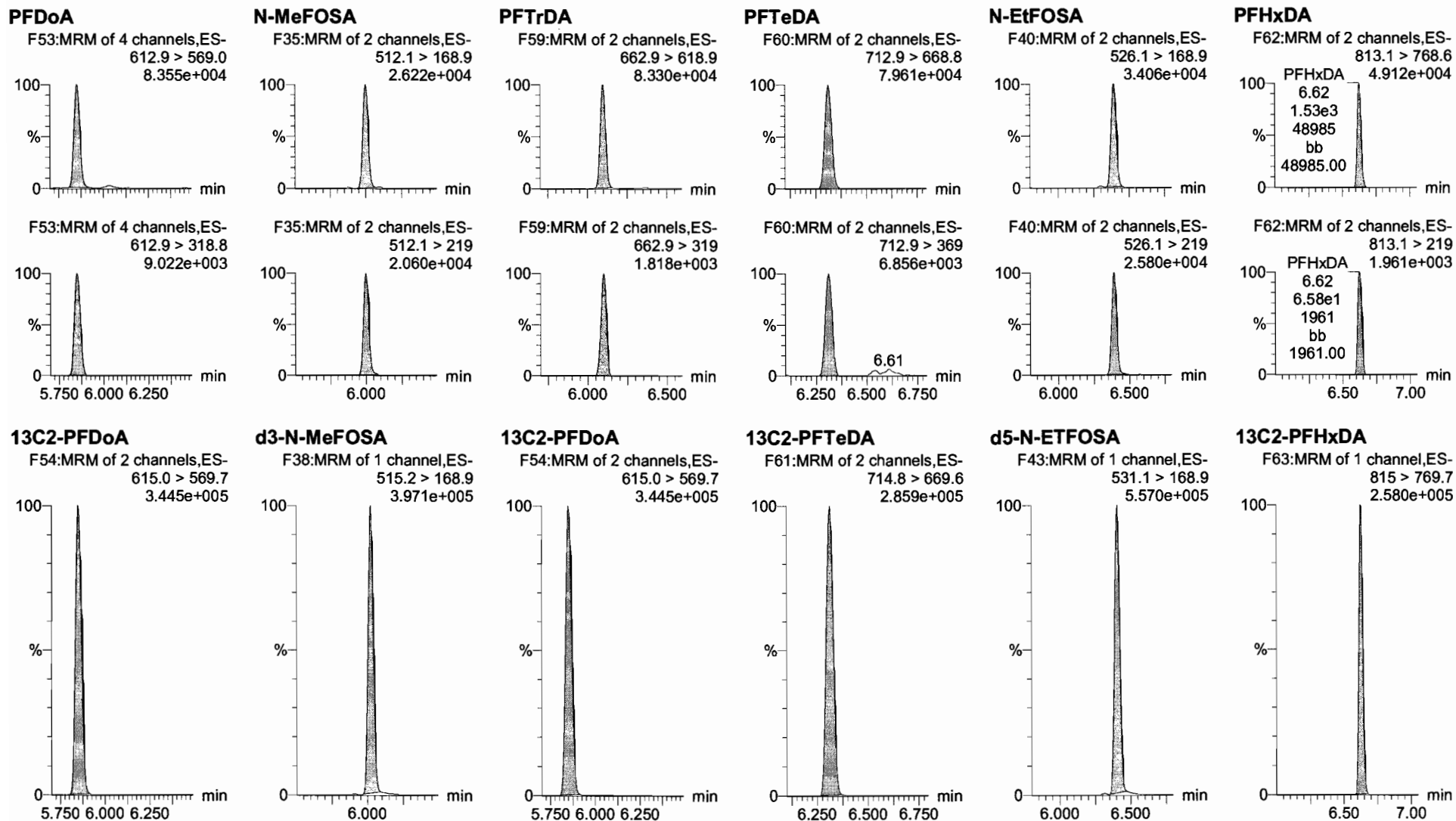


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_5, Date: 19-Mar-2018, Time: 19:46:21, ID: ST180319M1-4 PFC CS1 18C1206, Description: PFC CS1 18C1206

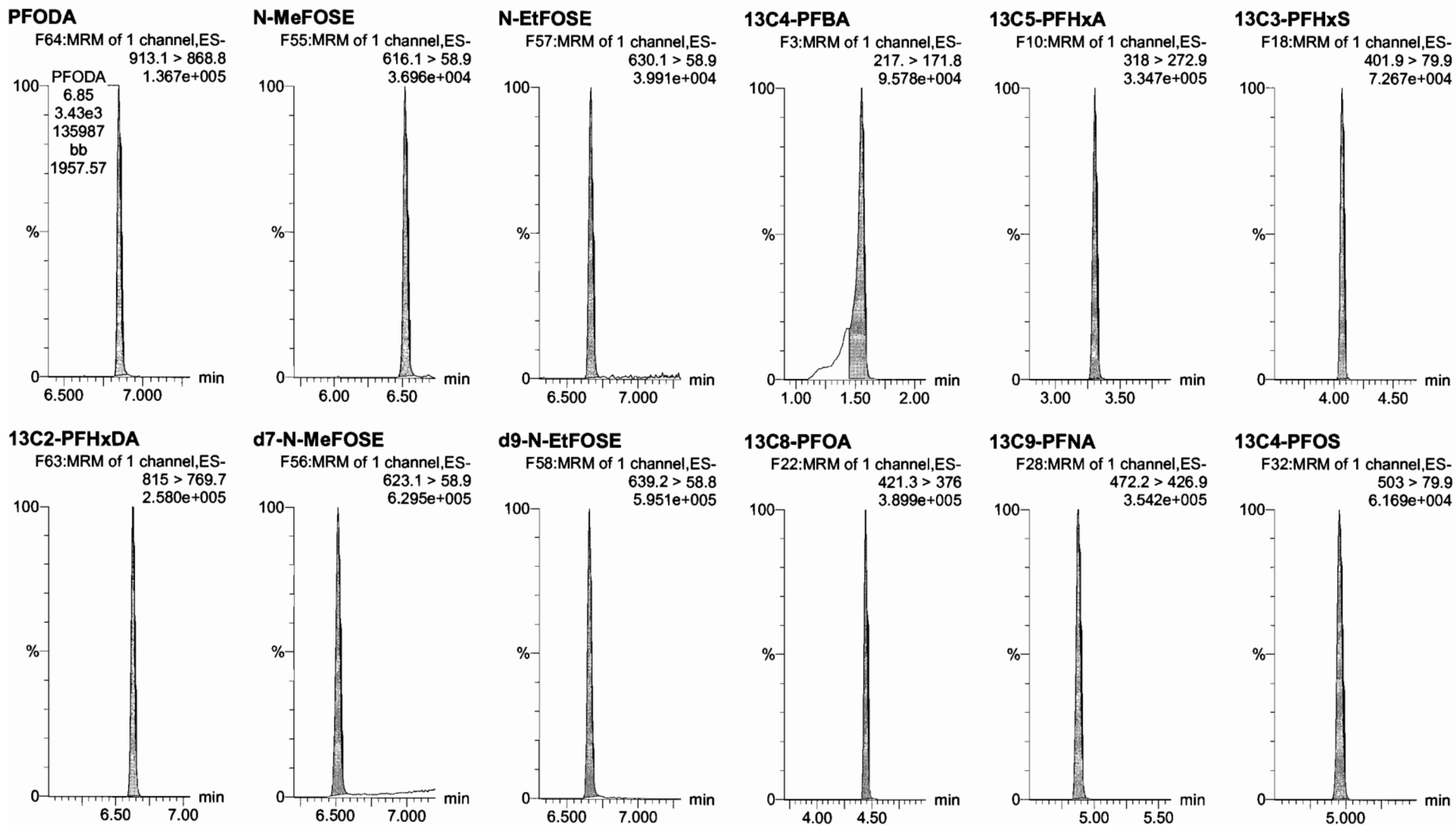


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_5, Date: 19-Mar-2018, Time: 19:46:21, ID: ST180319M1-4 PFC CS1 18C1206, Description: PFC CS1 18C1206



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

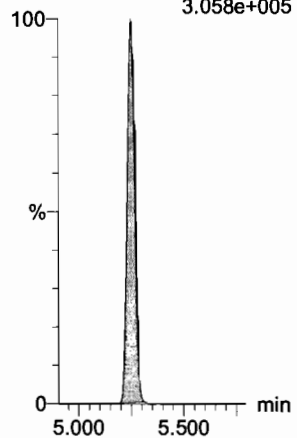
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

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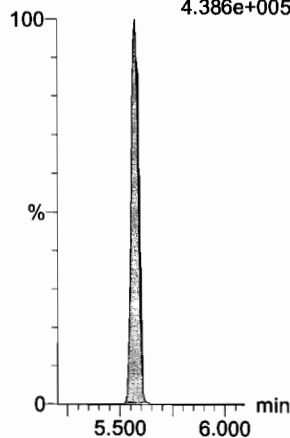
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.058e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
4.386e+005





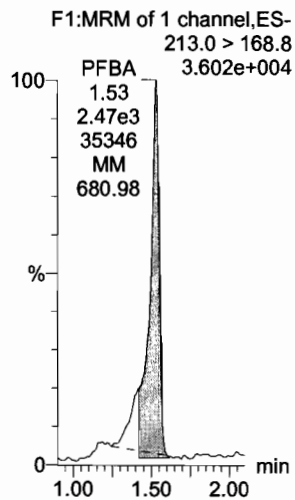
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

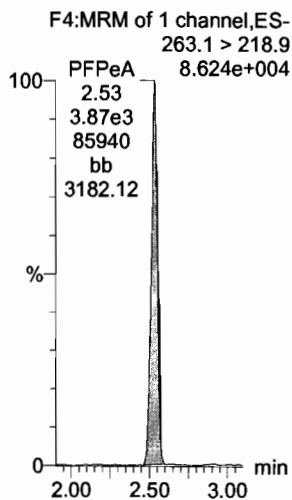
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207

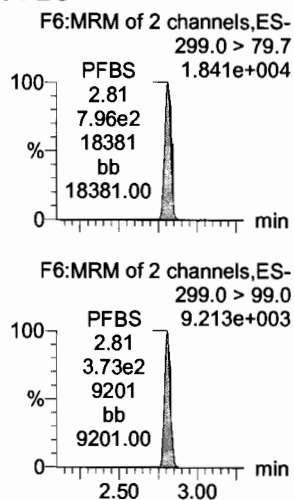
**PFBA**



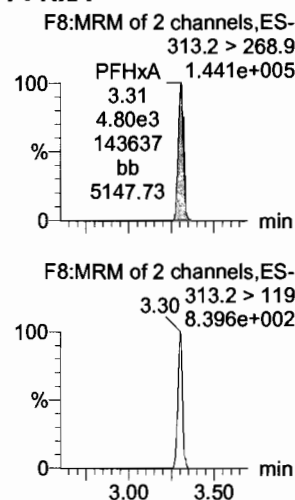
**PFPeA**



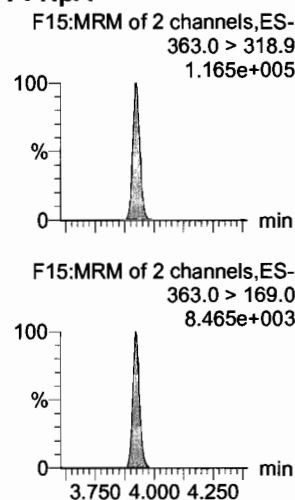
**PFBS**



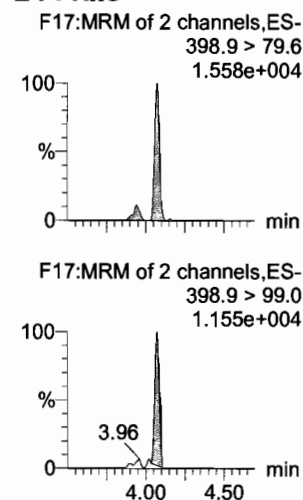
**PFHxA**



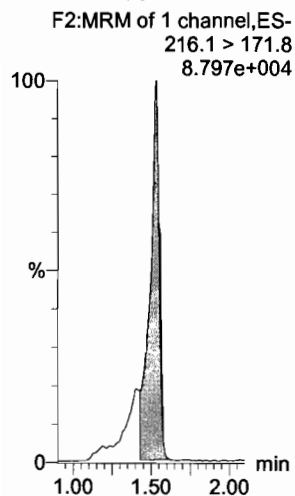
**PFHpA**



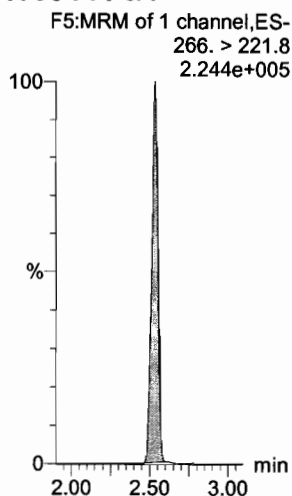
**L-PFHxS**



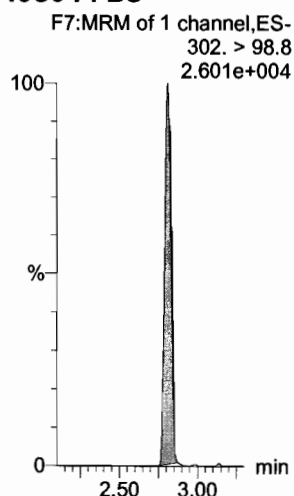
**13C3-PFBA**



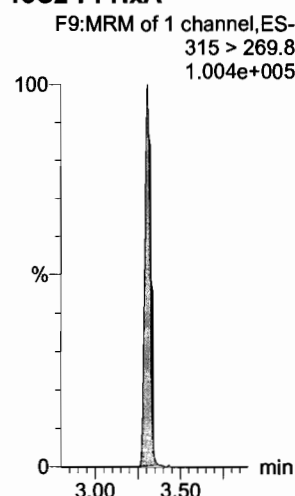
**13C3-PFPeA**



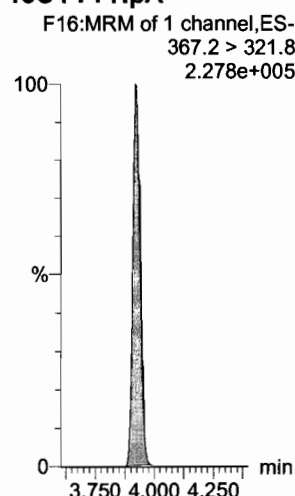
**13C3-PFBS**



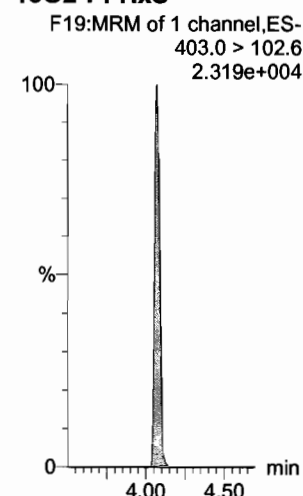
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



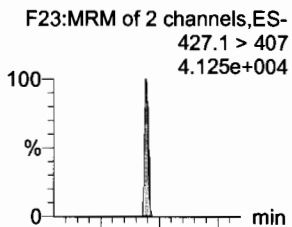
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

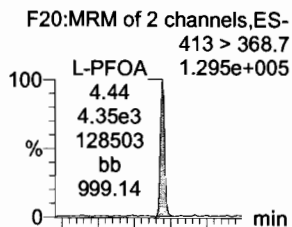
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207

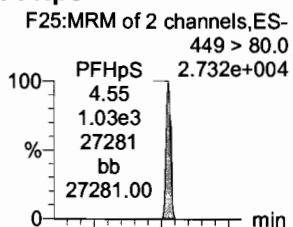
**6:2 FTS**



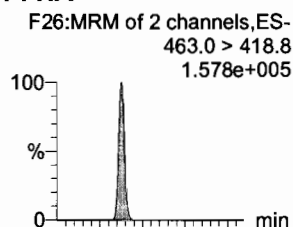
**L-PFOA**



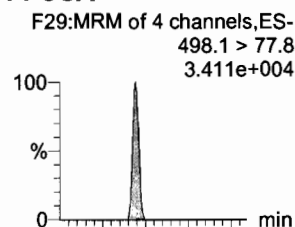
**PFHpS**



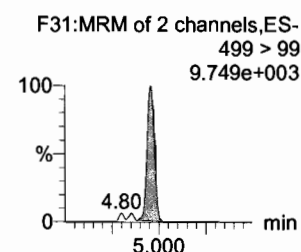
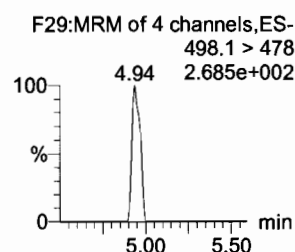
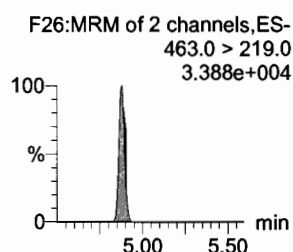
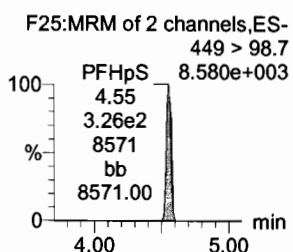
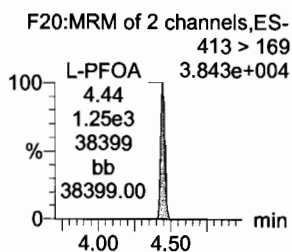
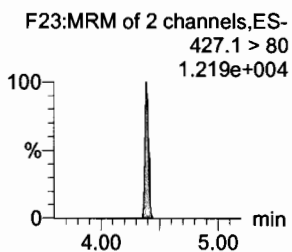
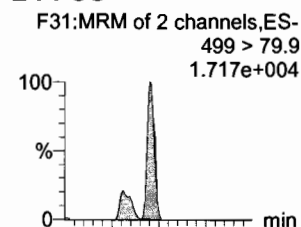
**PFNA**



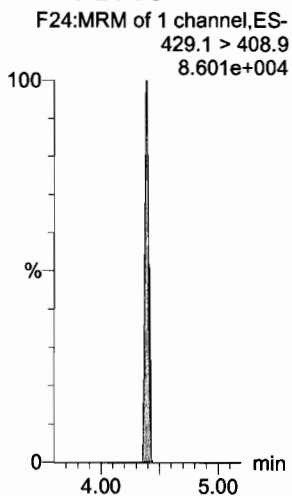
**PFOSA**



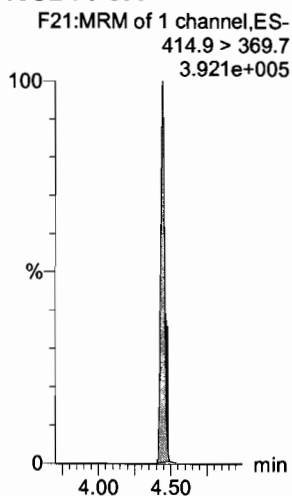
**L-PFOS**



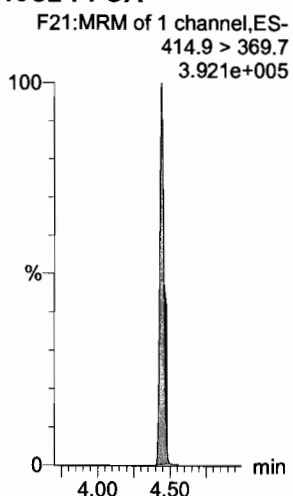
**13C2-6:2 FTS**



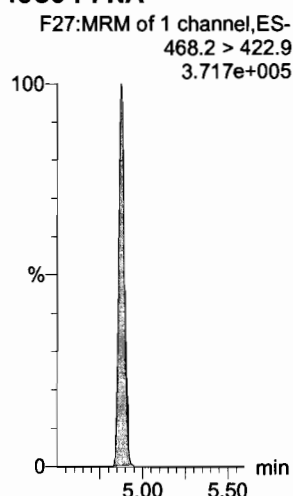
**13C2-PFOA**



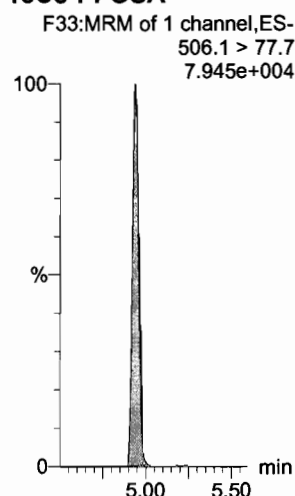
**13C2-PFOA**



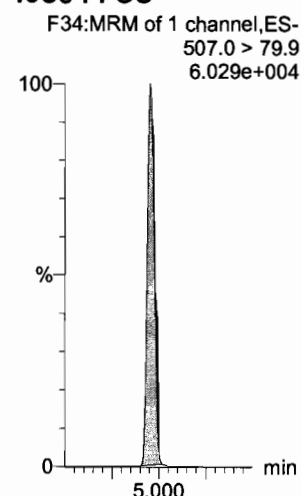
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**

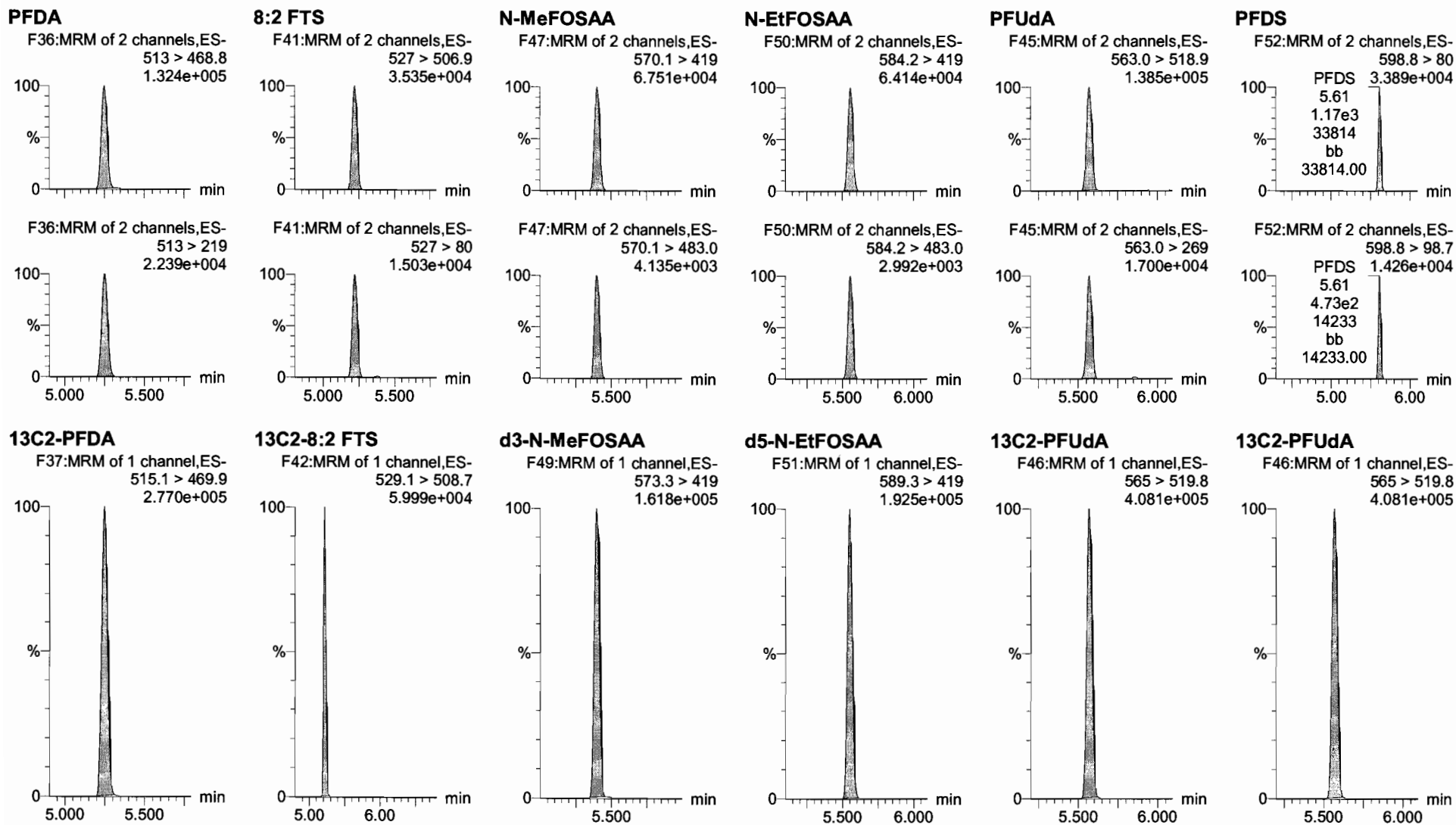


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207



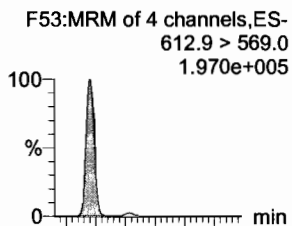
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

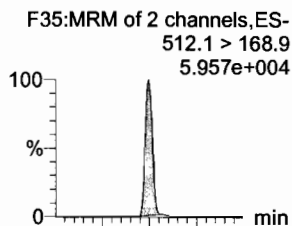
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207

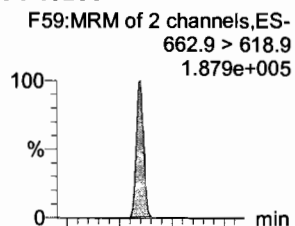
**PFD<sub>o</sub>A**



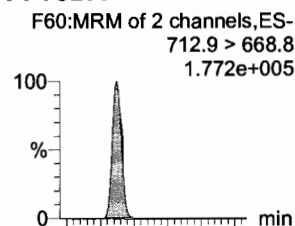
**N-MeFOSA**



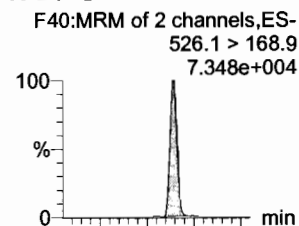
**PFT<sub>r</sub>DA**



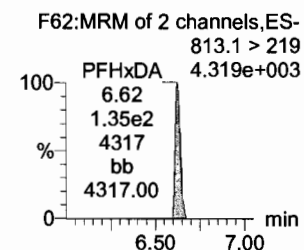
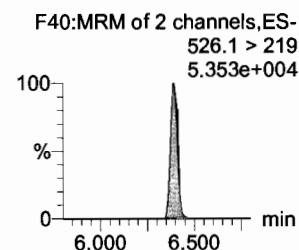
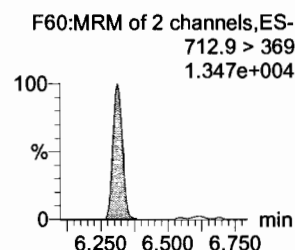
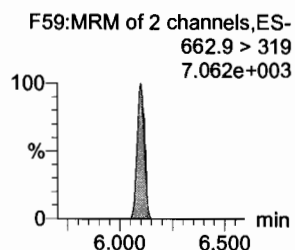
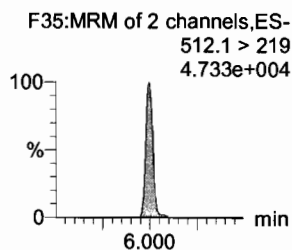
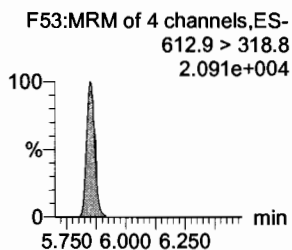
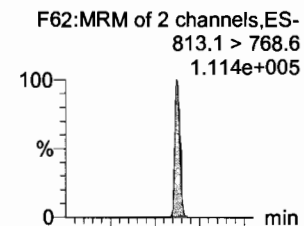
**PFT<sub>e</sub>DA**



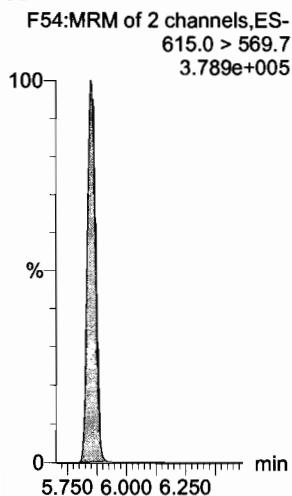
**N-EtFOSA**



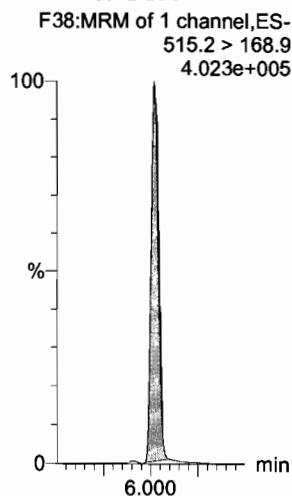
**PFH<sub>x</sub>DA**



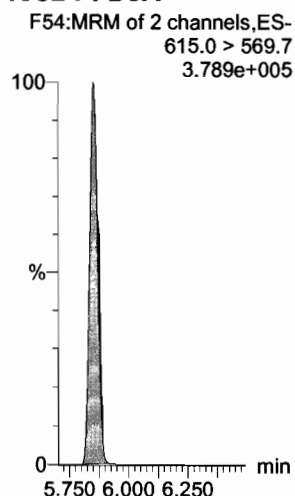
**13C2-PFD<sub>o</sub>A**



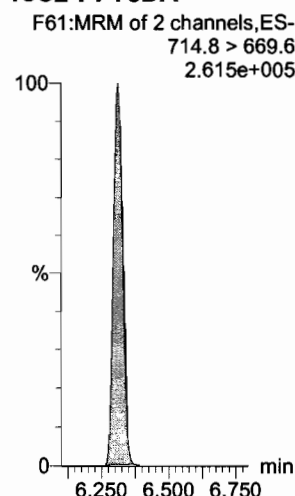
**d3-N-MeFOSA**



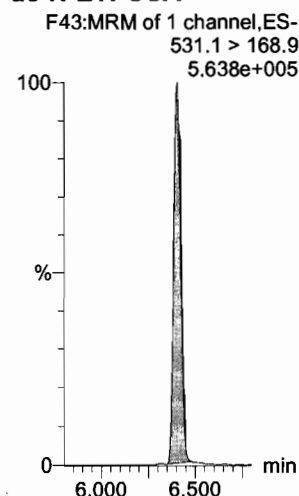
**13C2-PFT<sub>r</sub>DA**



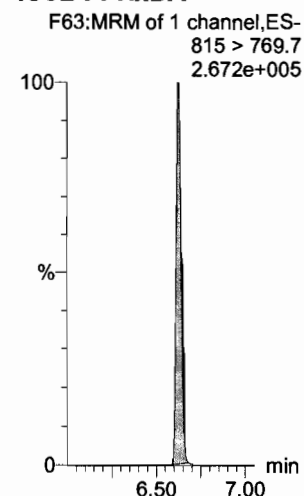
**13C2-PFT<sub>e</sub>DA**



**d5-N-ETFOSA**



**13C2-PFH<sub>x</sub>DA**



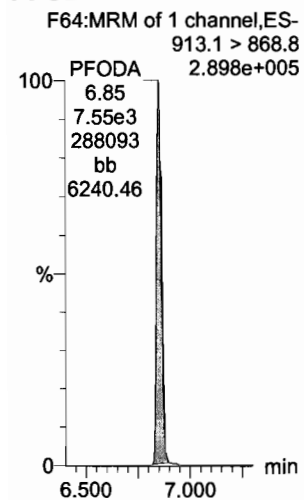
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207

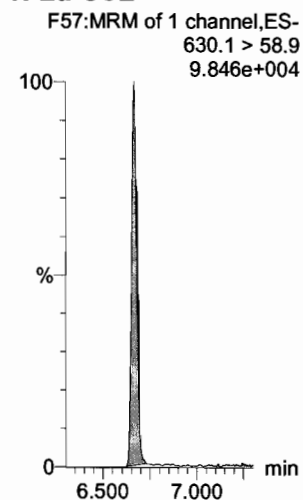
**PFODA**



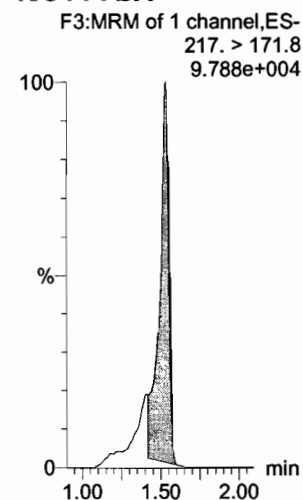
**N-MeFOSE**



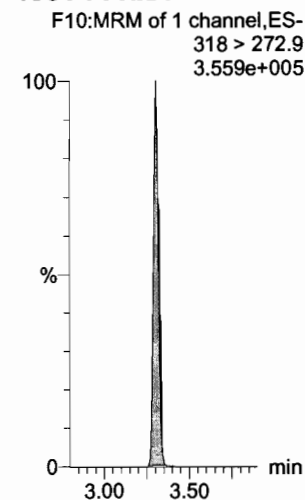
**N-EtFOSE**



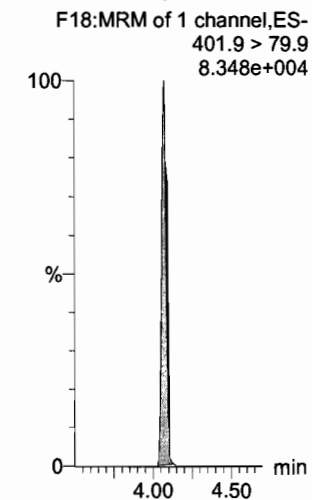
**13C4-PFBA**



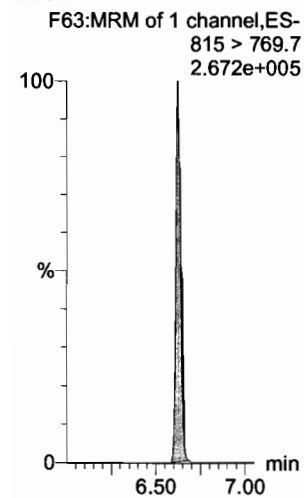
**13C5-PFHxA**



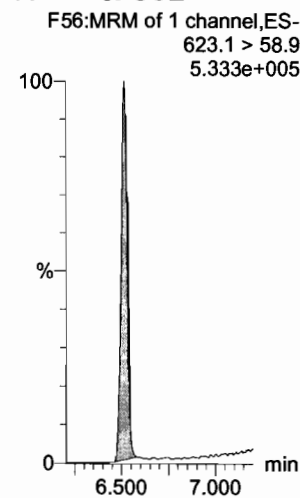
**13C3-PFHxS**



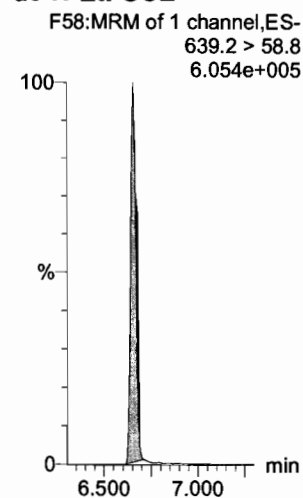
**13C2-PFHxDA**



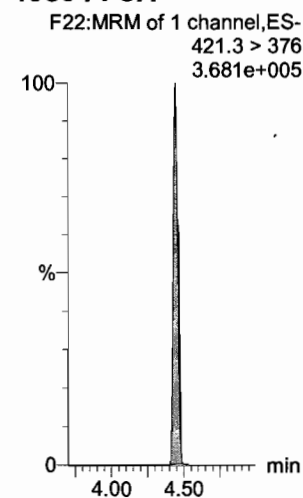
**d7-N-MeFOSE**



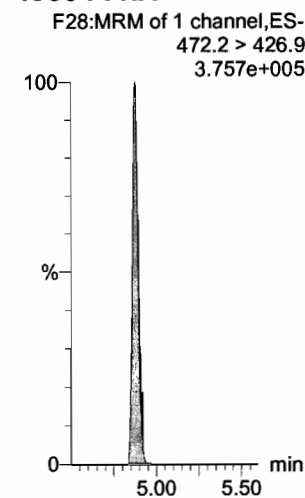
**d9-N-EtFOSE**



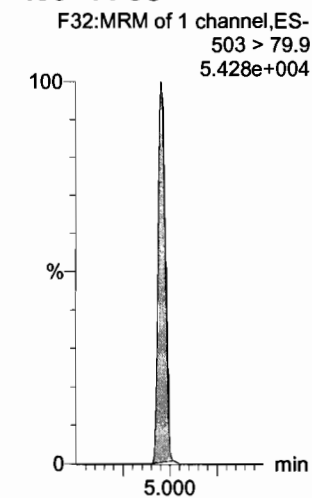
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

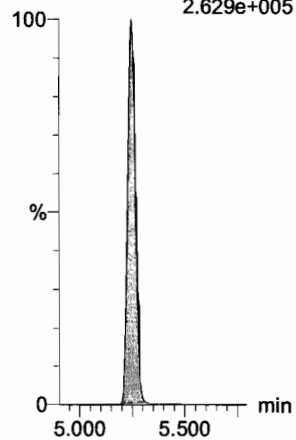
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_6, Date: 19-Mar-2018, Time: 19:57:51, ID: ST180319M1-5 PFC CS2 18C1207, Description: PFC CS2 18C1207

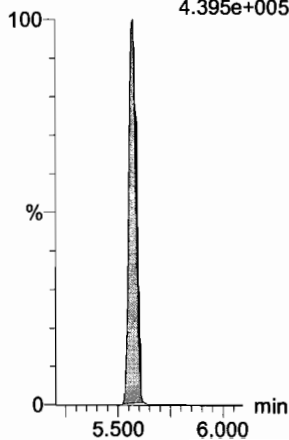
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.629e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
4.395e+005



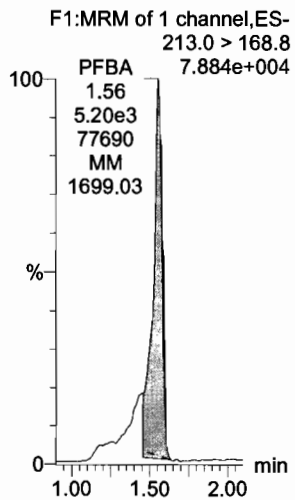
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

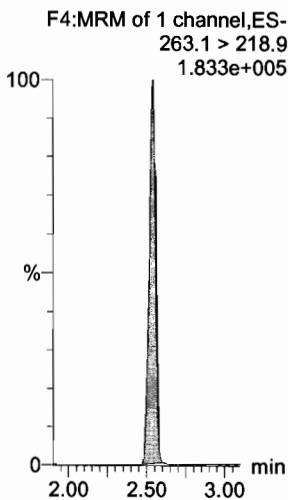
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Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208

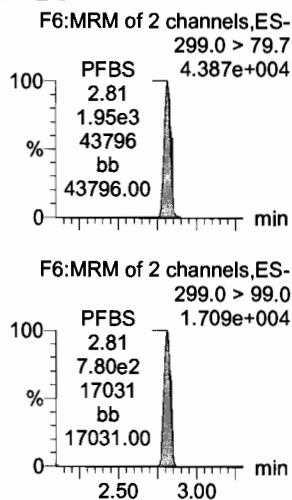
**PFBA**



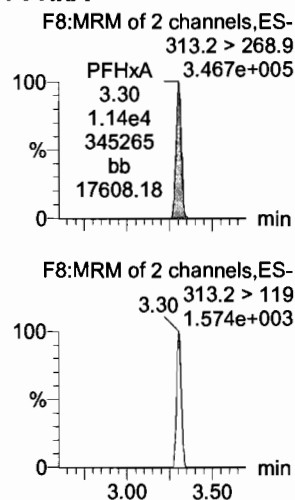
**PFPeA**



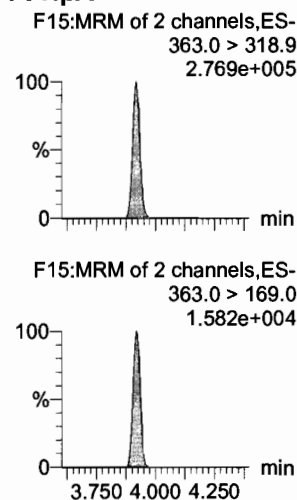
**PFBS**



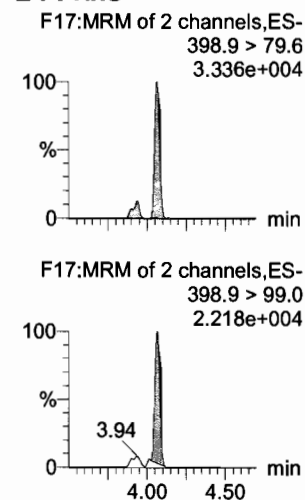
**PFHxA**



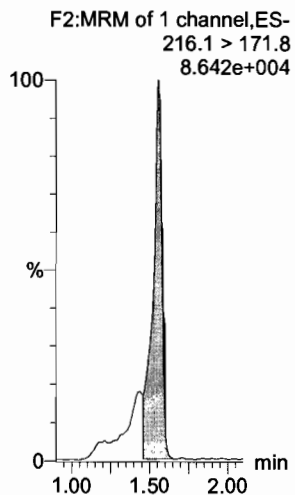
**PFHpA**



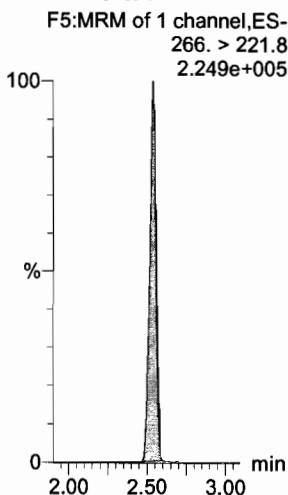
**L-PFHxS**



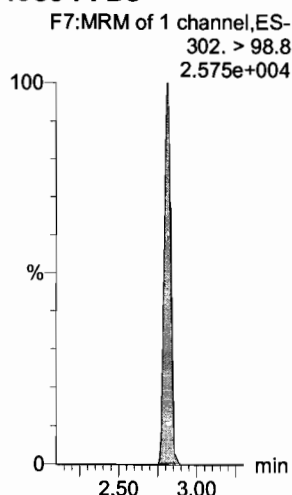
**13C3-PFBA**



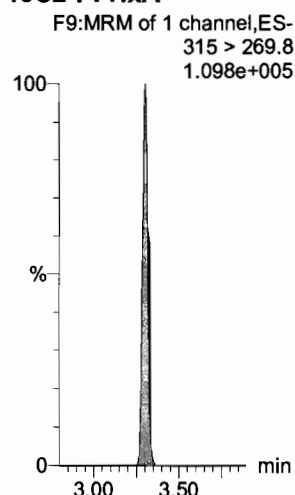
**13C3-PFPeA**



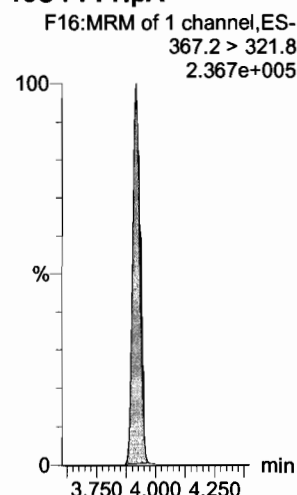
**13C3-PFBS**



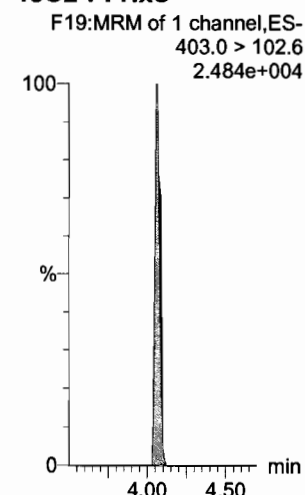
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



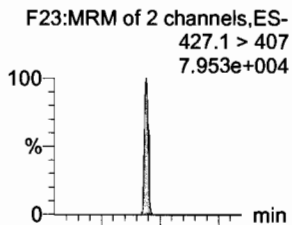
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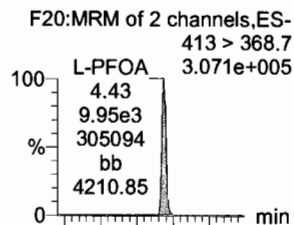
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208

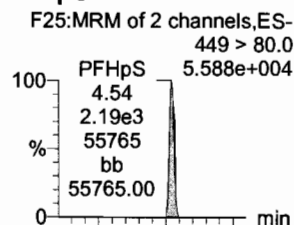
**6:2 FTS**



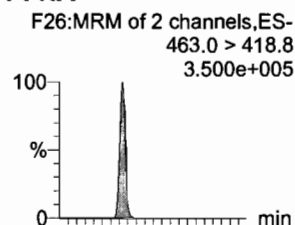
**L-PFOA**



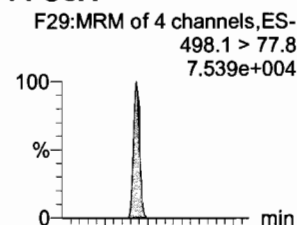
**PFHpS**



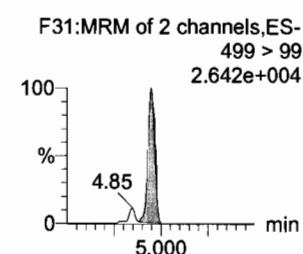
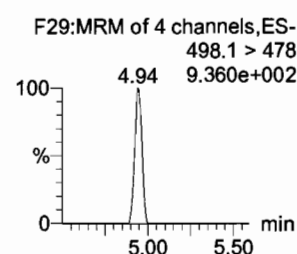
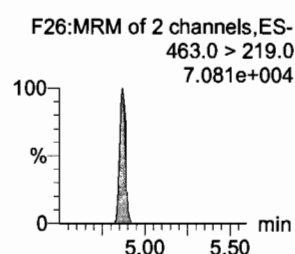
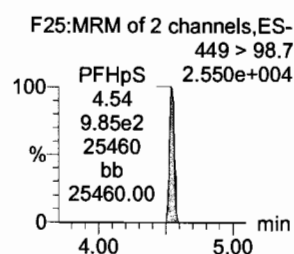
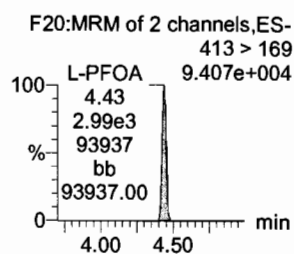
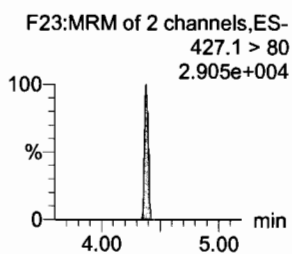
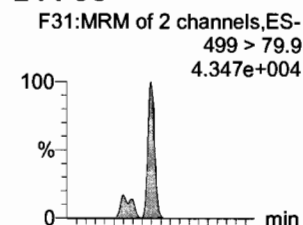
**PFNA**



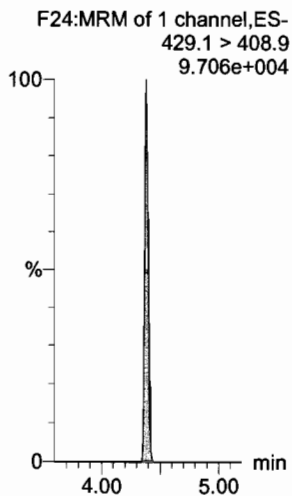
**PFOSA**



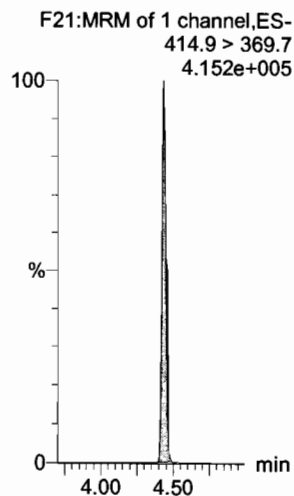
**L-PFOS**



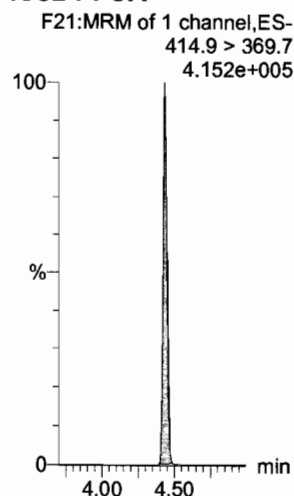
**13C2-6:2 FTS**



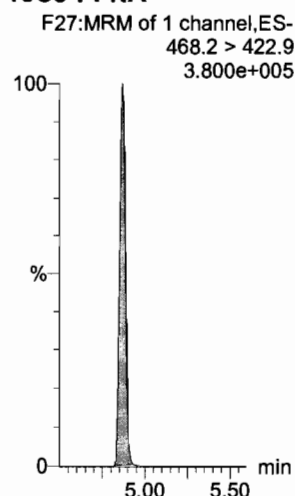
**13C2-PFOA**



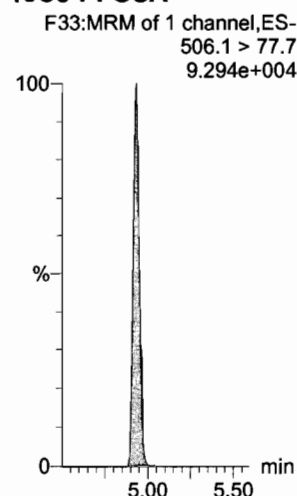
**13C2-PFOA**



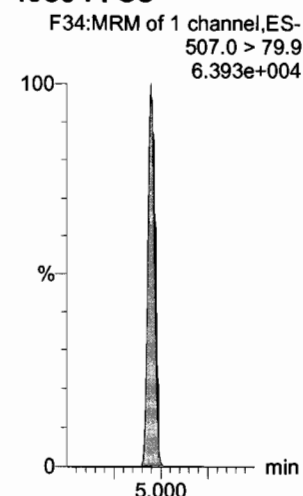
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**





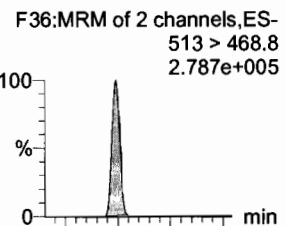
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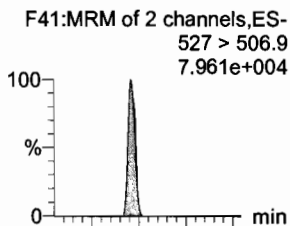
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Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208

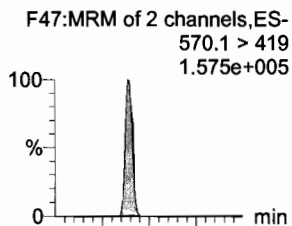
**PFDA**



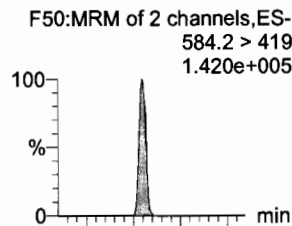
**8:2 FTS**



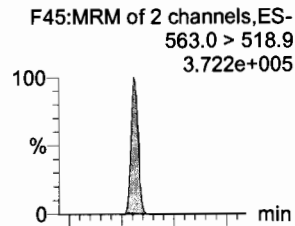
**N-MeFOSAA**



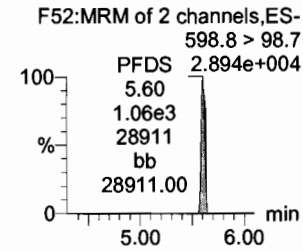
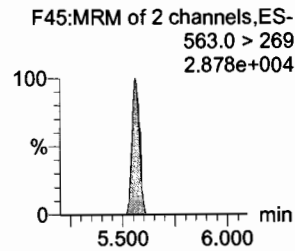
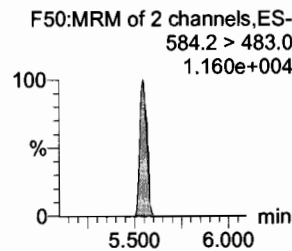
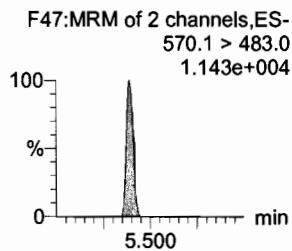
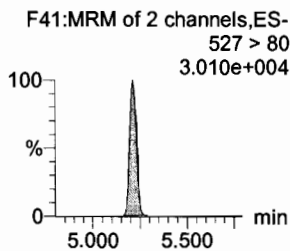
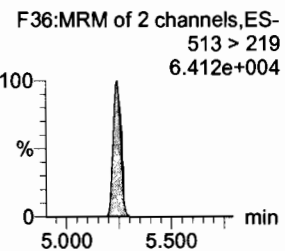
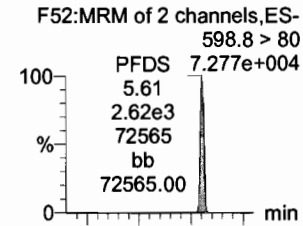
**N-EtFOSAA**



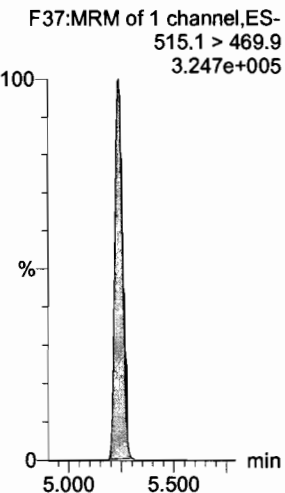
**PFUdA**



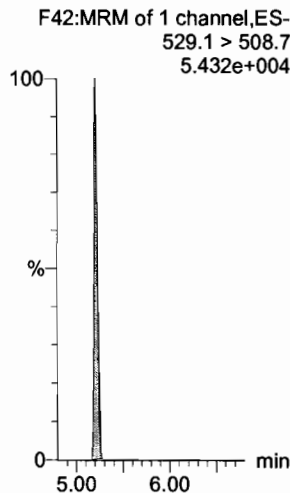
**PFDS**



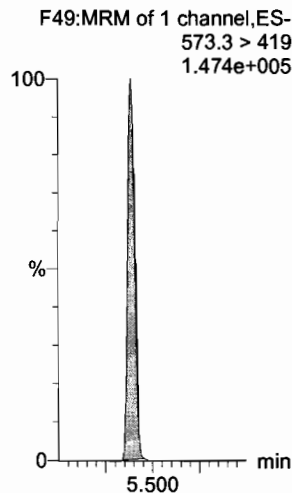
**13C2-PFDA**



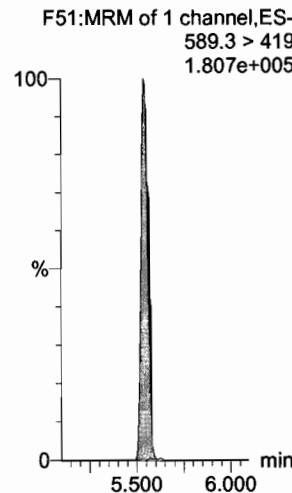
**13C2-8:2 FTS**



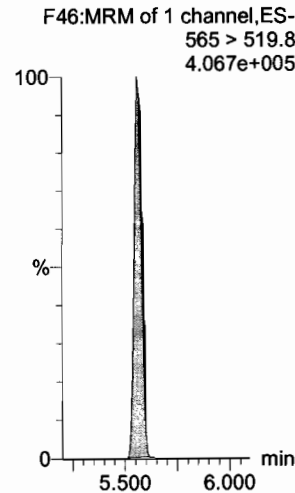
**d3-N-MeFOSAA**



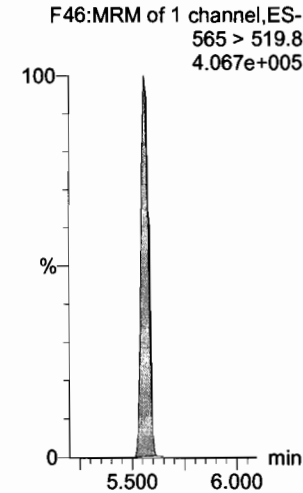
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



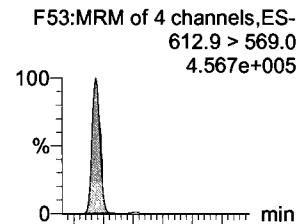
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

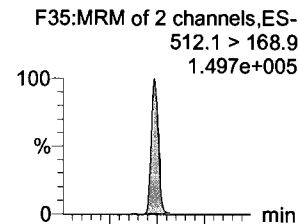
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208

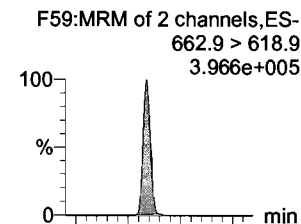
**PFDoA**



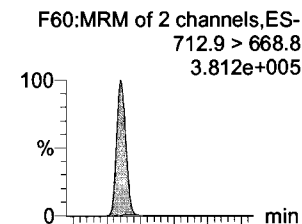
**N-MeFOSA**



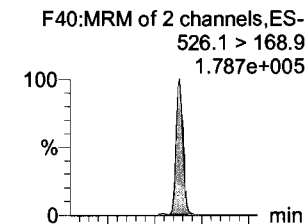
**PFTrDA**



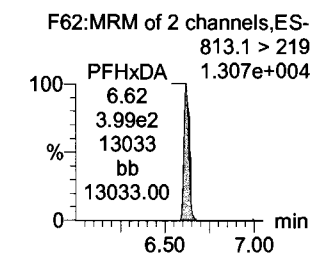
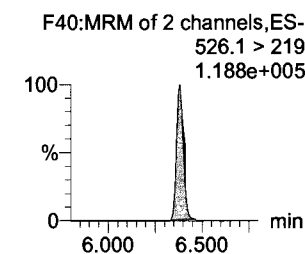
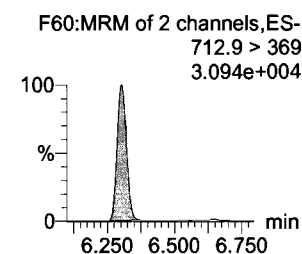
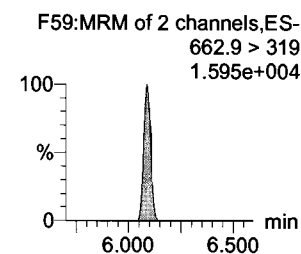
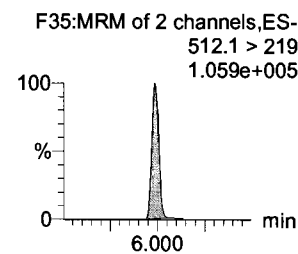
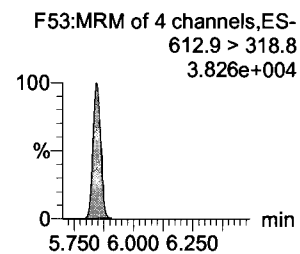
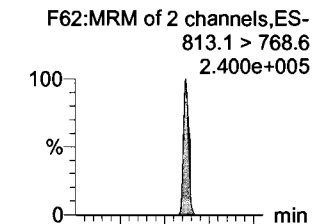
**PFTeDA**



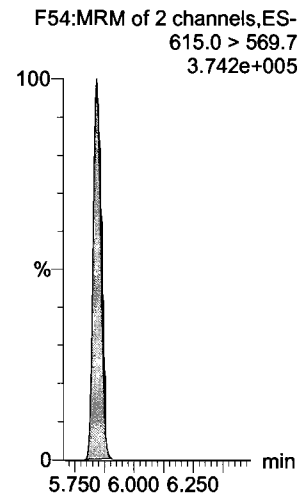
**N-EtFOSA**



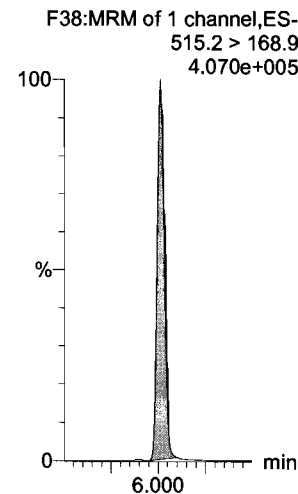
**PFHxDA**



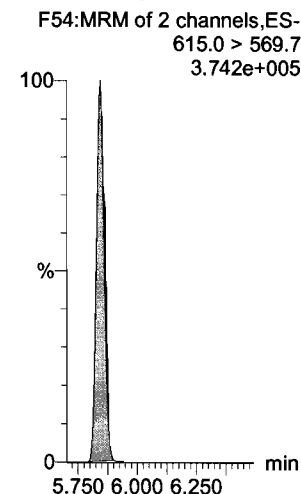
**13C2-PFDoA**



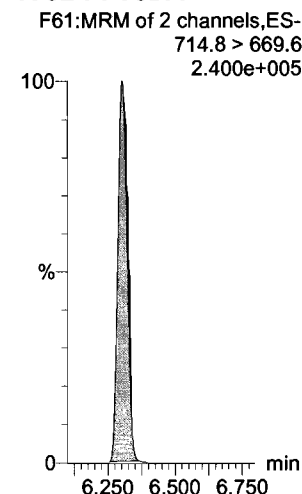
**d3-N-MeFOSA**



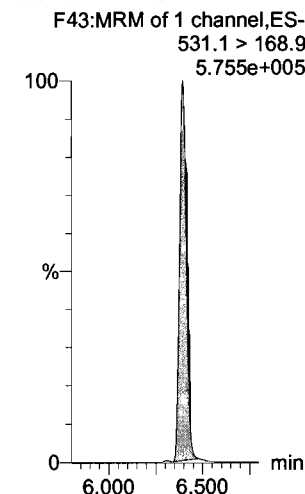
**13C2-PFTeDA**



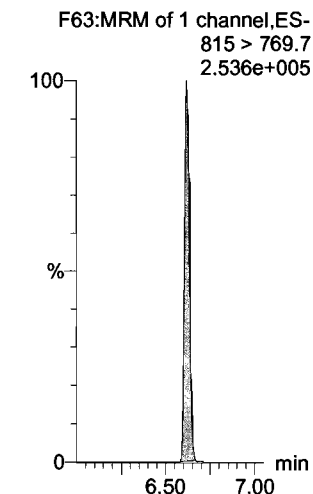
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**

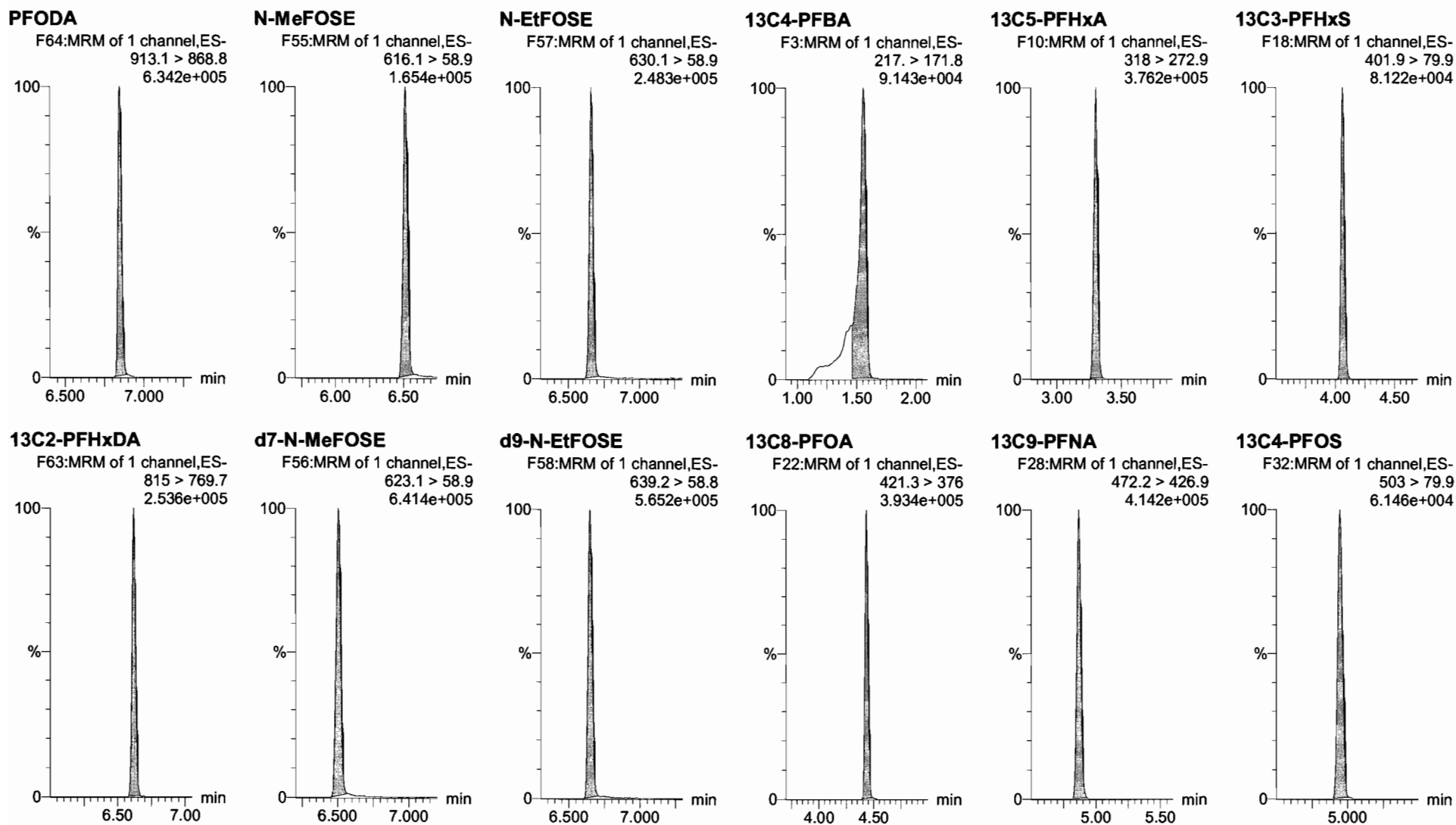


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

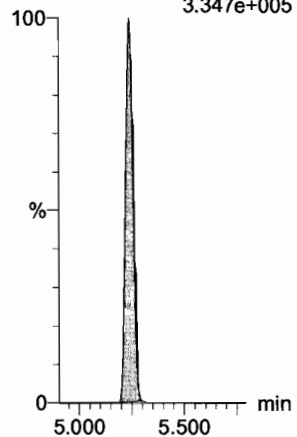
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_7, Date: 19-Mar-2018, Time: 20:09:20, ID: ST180319M1-6 PFC CS3 18C1208, Description: PFC CS3 18C1208

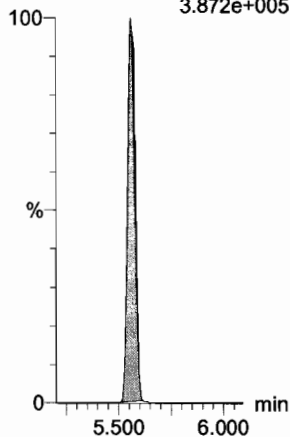
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.347e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.872e+005

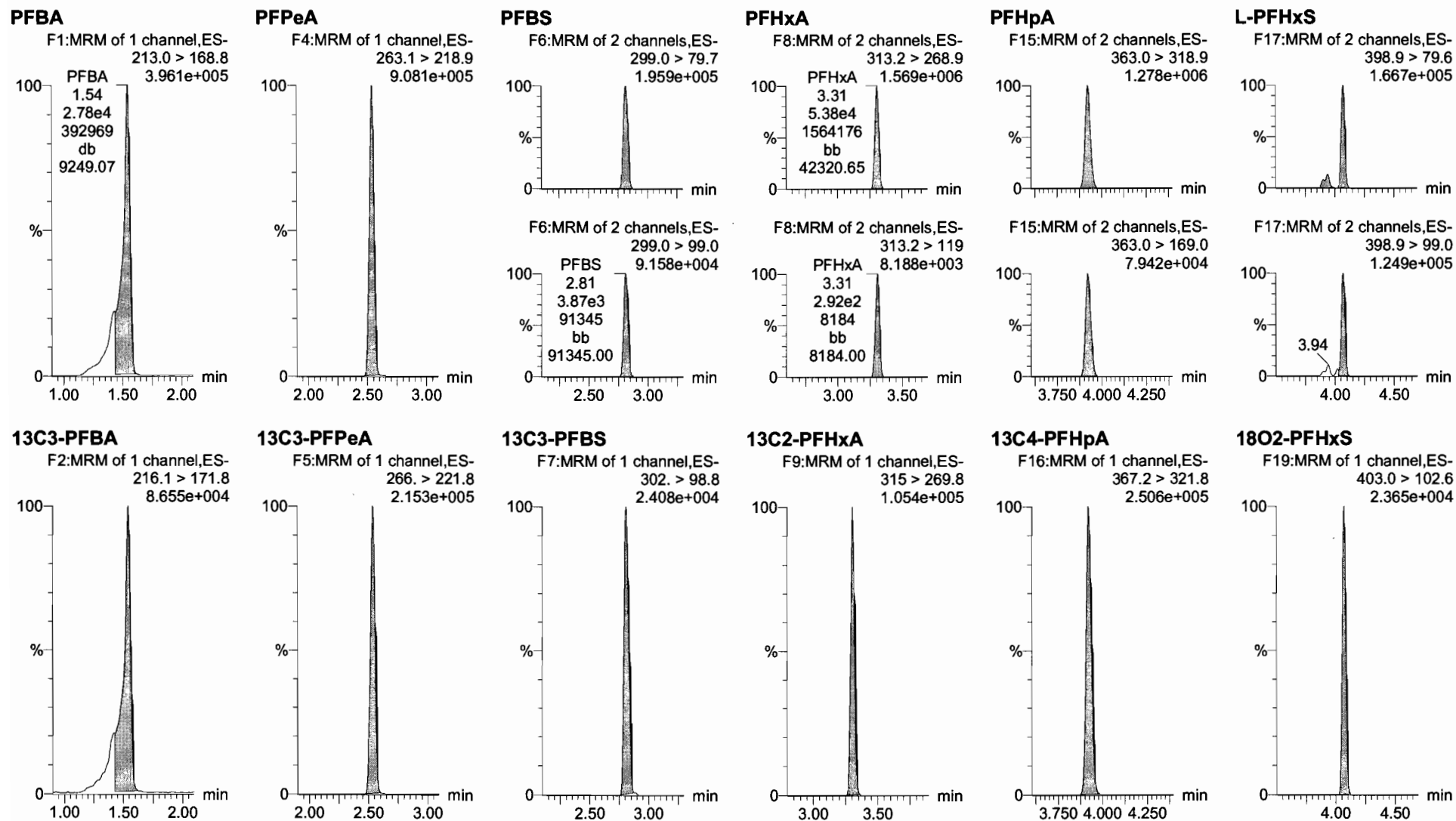


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209



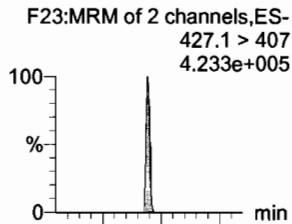
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

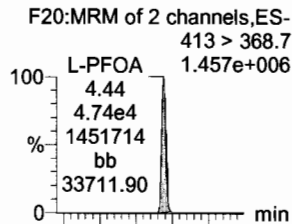
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209

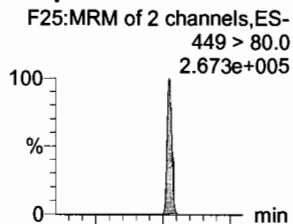
**6:2 FTS**



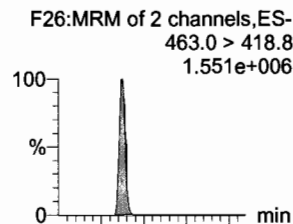
**L-PFOA**



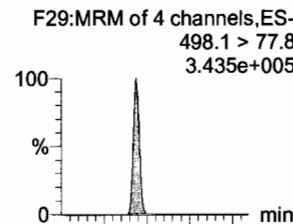
**PFHpS**



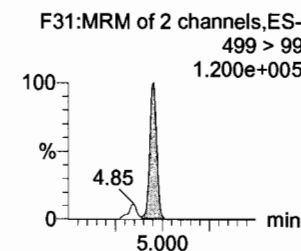
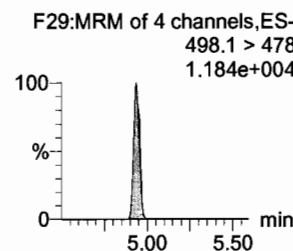
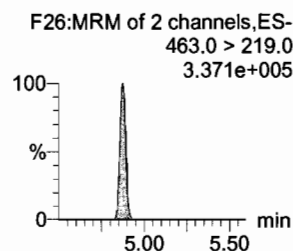
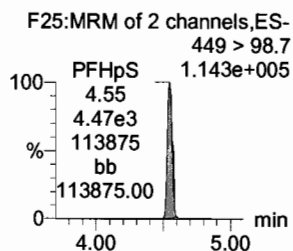
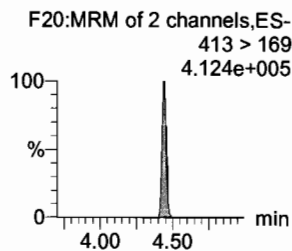
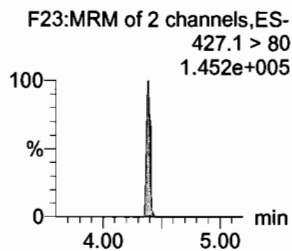
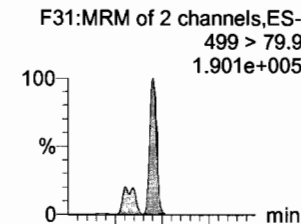
**PFNA**



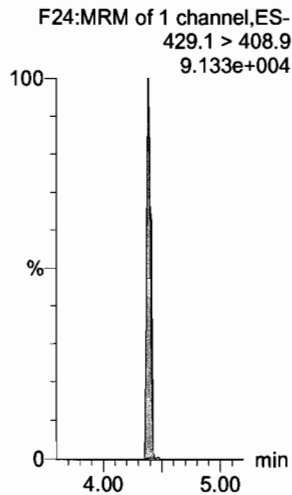
**PFOSA**



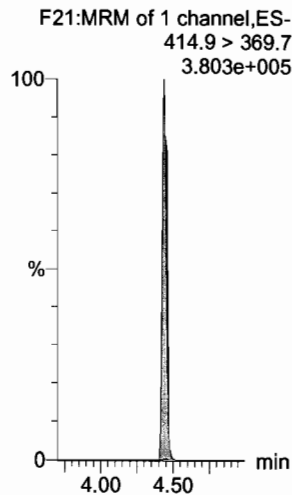
**L-PFOS**



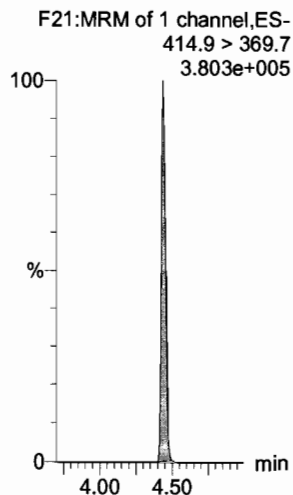
**13C2-6:2 FTS**



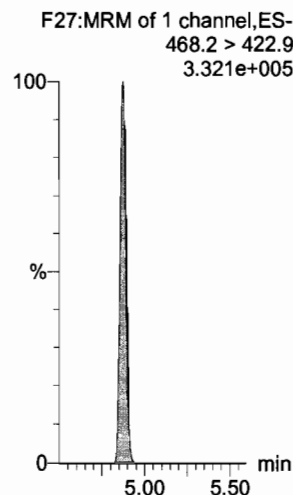
**13C2-PFOA**



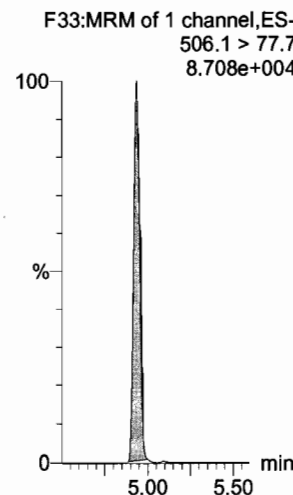
**13C2-PFOA**



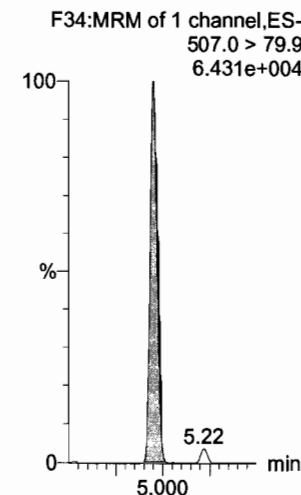
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

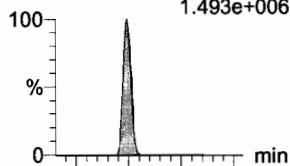
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209

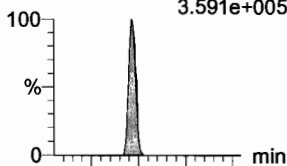
**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
1.493e+006



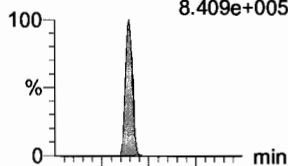
**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
3.591e+005



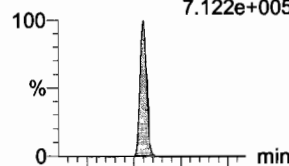
**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
8.409e+005



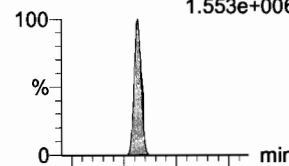
**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
7.122e+005



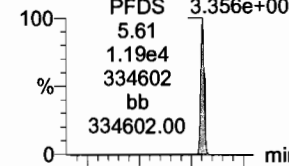
**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.553e+006

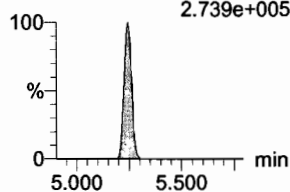


**PFDS**

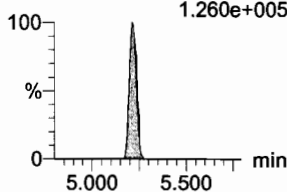
F52:MRM of 2 channels,ES-  
598.8 > 80  
3.356e+005



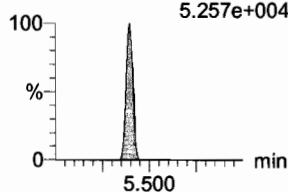
F36:MRM of 2 channels,ES-  
513 > 219  
2.739e+005



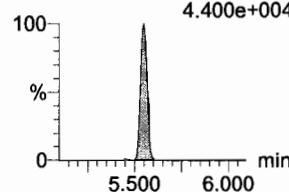
F41:MRM of 2 channels,ES-  
527 > 80  
1.260e+005



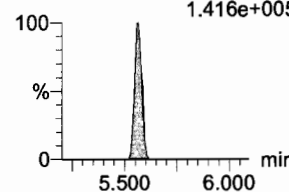
F47:MRM of 2 channels,ES-  
570.1 > 483.0  
5.257e+004



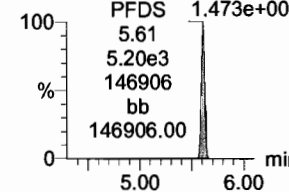
F50:MRM of 2 channels,ES-  
584.2 > 483.0  
4.400e+004



F45:MRM of 2 channels,ES-  
563.0 > 269  
1.416e+005

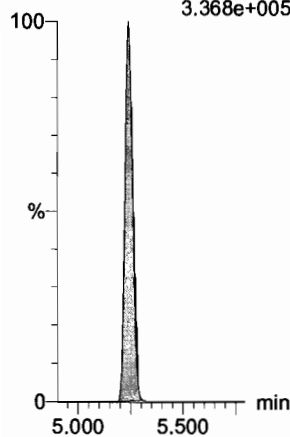


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.473e+005



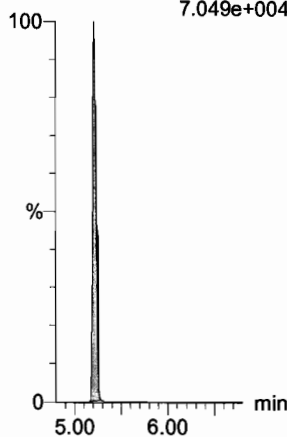
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
3.368e+005



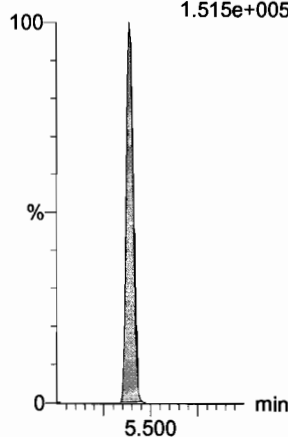
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
7.049e+004



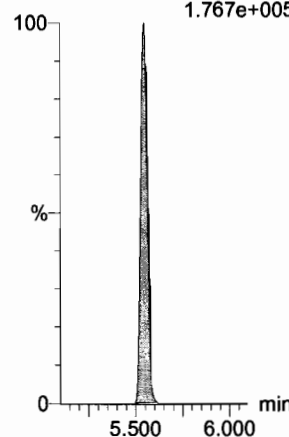
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
1.515e+005



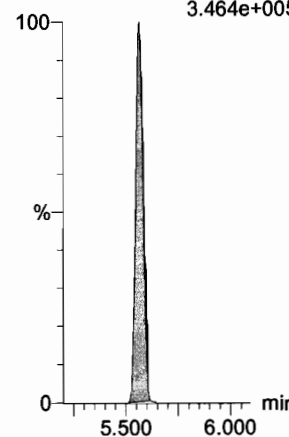
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
1.767e+005



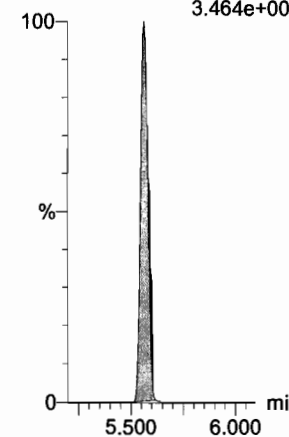
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.464e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.464e+005



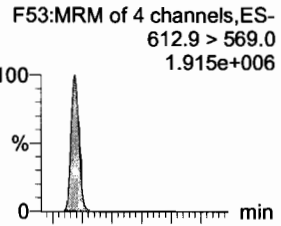
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

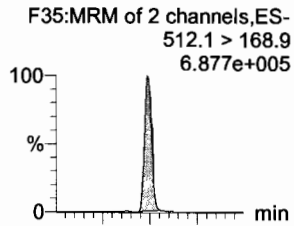
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209

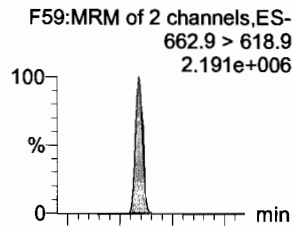
**PFDoA**



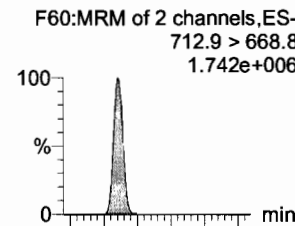
**N-MeFOSA**



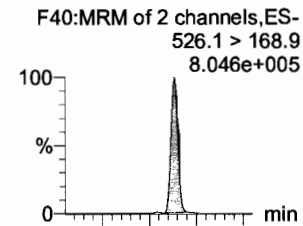
**PFTrDA**



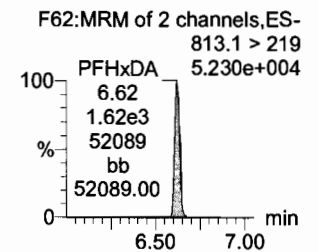
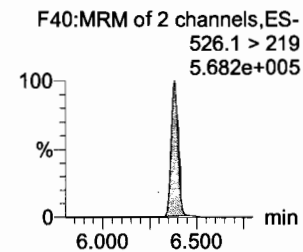
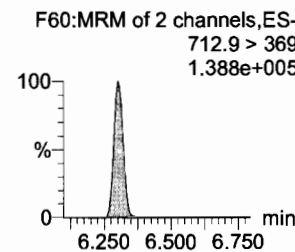
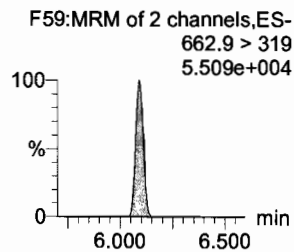
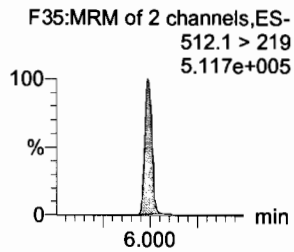
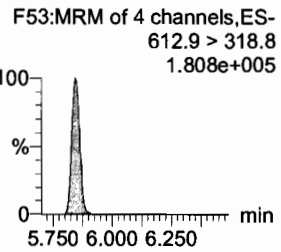
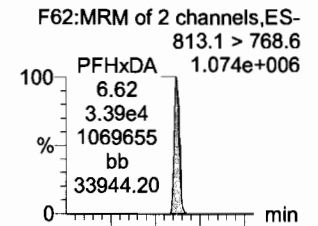
**PFTeDA**



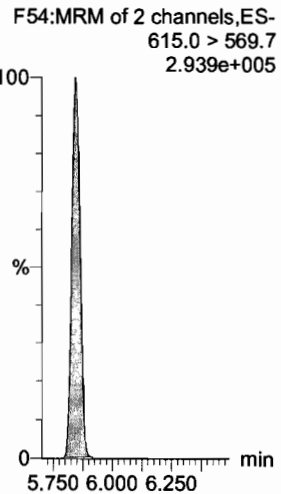
**N-EtFOSA**



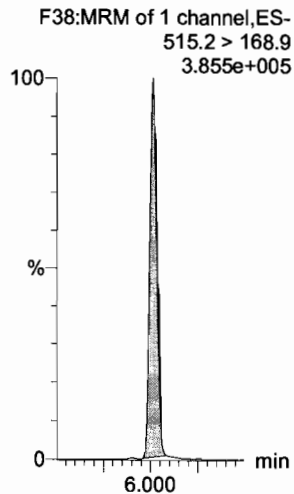
**PFHxDA**



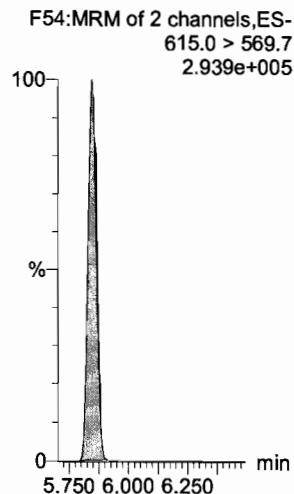
**13C2-PFDoA**



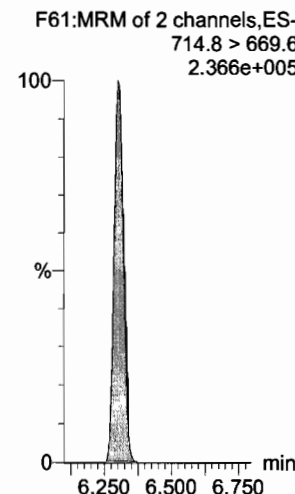
**d3-N-MeFOSA**



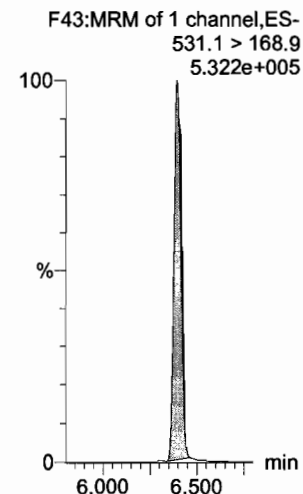
**13C2-PFDoA**



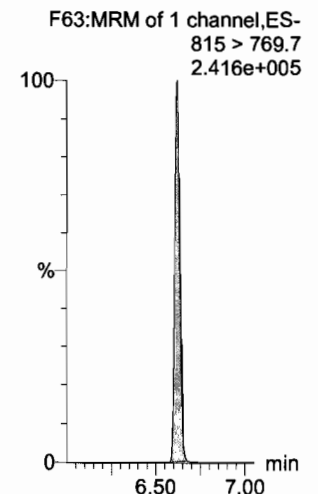
**13C2-PFTeDA**



**d5-N-ETFOA**



**13C2-PFHxDA**





Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

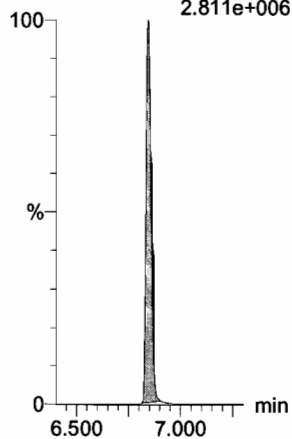
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209

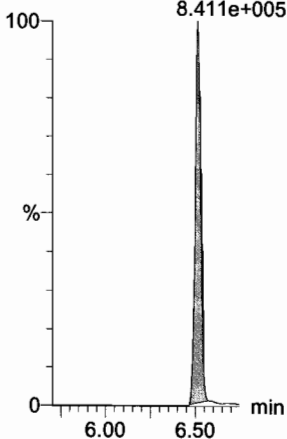
**PFODA**

F64:MRM of 1 channel,ES-  
913.1 > 868.8  
2.811e+006



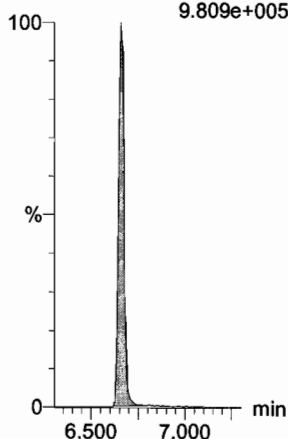
**N-MeFOSE**

F55:MRM of 1 channel,ES-  
616.1 > 58.9  
8.411e+005



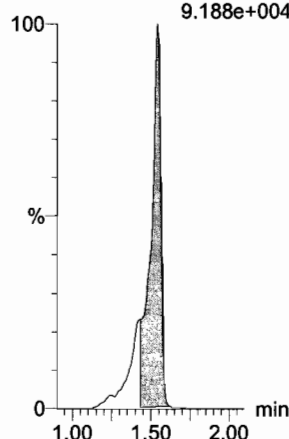
**N-EtFOSE**

F57:MRM of 1 channel,ES-  
630.1 > 58.9  
9.809e+005



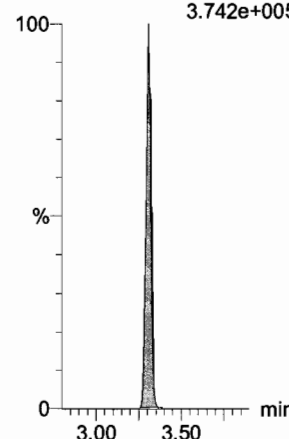
**13C4-PFBA**

F3:MRM of 1 channel,ES-  
217. > 171.8  
9.188e+004



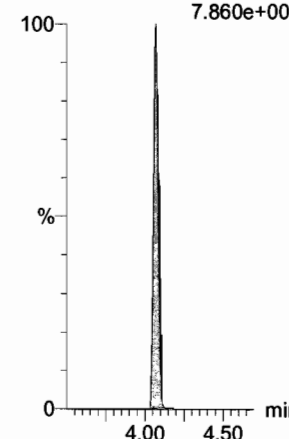
**13C5-PFHxA**

F10:MRM of 1 channel,ES-  
318 > 272.9  
3.742e+005



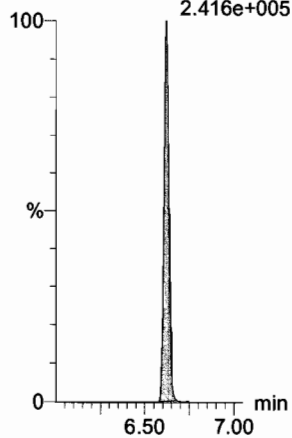
**13C3-PFHxS**

F18:MRM of 1 channel,ES-  
401.9 > 79.9  
7.860e+004



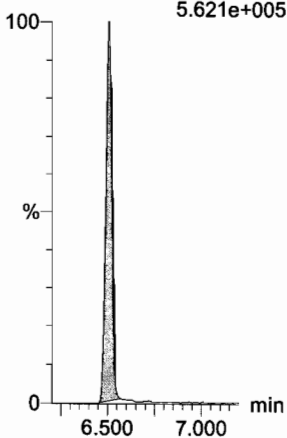
**13C2-PFHxDA**

F63:MRM of 1 channel,ES-  
815 > 769.7  
2.416e+005



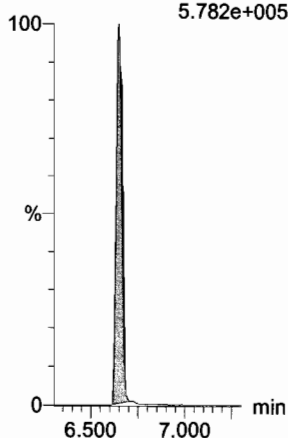
**d7-N-MeFOSE**

F56:MRM of 1 channel,ES-  
623.1 > 58.9  
5.621e+005



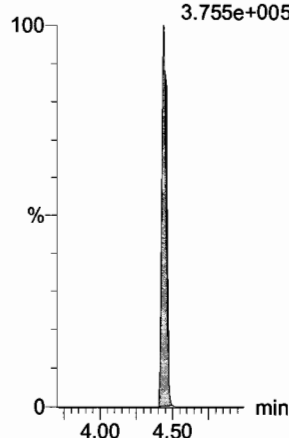
**d9-N-EtFOSE**

F58:MRM of 1 channel,ES-  
639.2 > 58.8  
5.782e+005



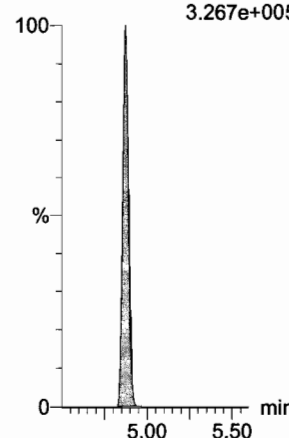
**13C8-PFOA**

F22:MRM of 1 channel,ES-  
421.3 > 376  
3.755e+005



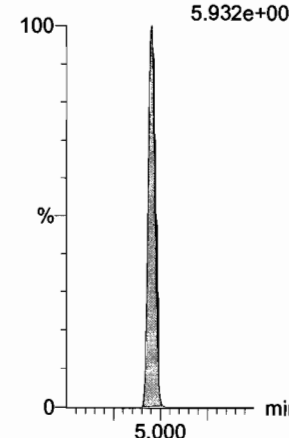
**13C9-PFNA**

F28:MRM of 1 channel,ES-  
472.2 > 426.9  
3.267e+005



**13C4-PFOS**

F32:MRM of 1 channel,ES-  
503 > 79.9  
5.932e+004



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

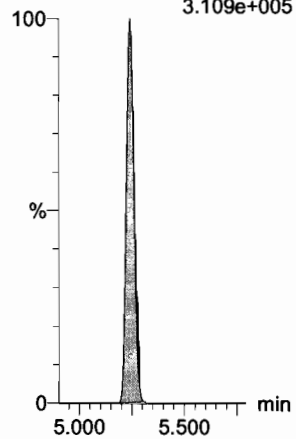
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_8, Date: 19-Mar-2018, Time: 20:20:50, ID: ST180319M1-7 PFC CS4 18C1209, Description: PFC CS4 18C1209

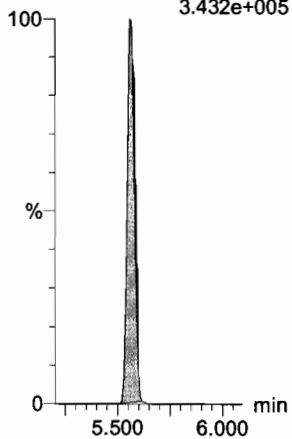
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
3.109e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.432e+005



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

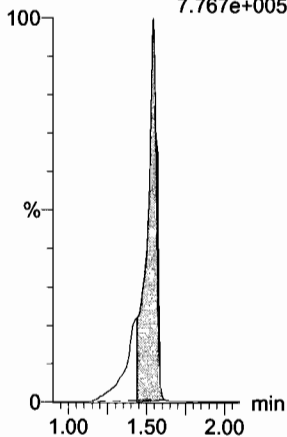
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Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210

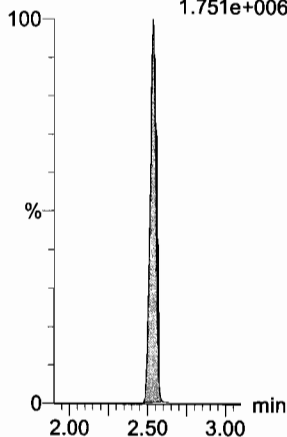
**PFBA**

F1:MRM of 1 channel,ES-  
213.0 > 168.8  
7.767e+005



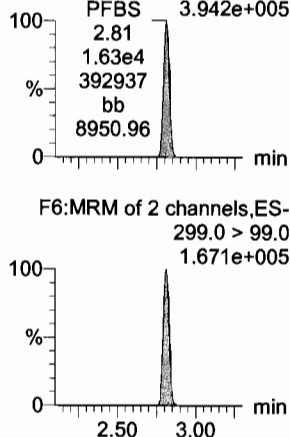
**PFPeA**

F4:MRM of 1 channel,ES-  
263.1 > 218.9  
1.751e+006



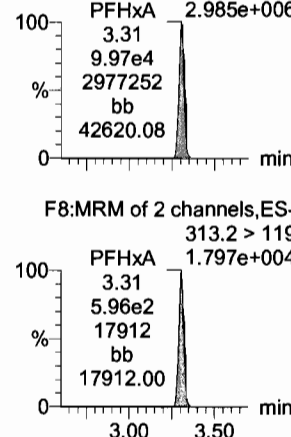
**PFBS**

F6:MRM of 2 channels,ES-  
299.0 > 79.7  
3.942e+005



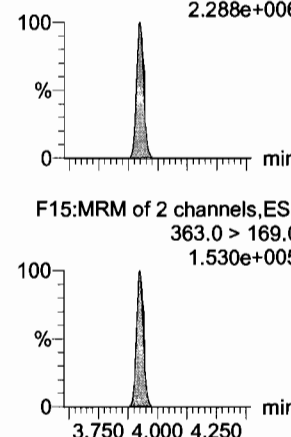
**PFHxA**

F8:MRM of 2 channels,ES-  
313.2 > 268.9  
2.985e+006



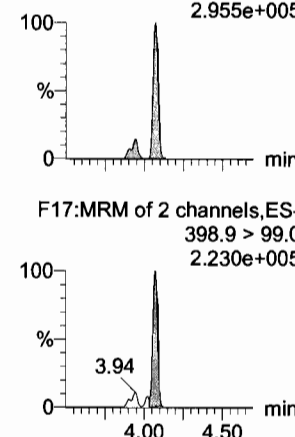
**PFHpA**

F15:MRM of 2 channels,ES-  
363.0 > 318.9  
2.288e+006



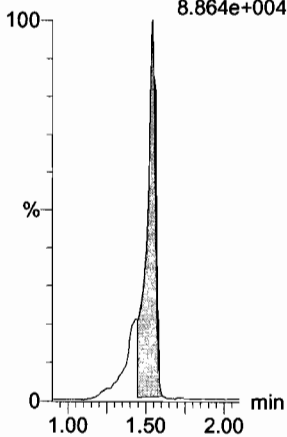
**L-PFHxS**

F17:MRM of 2 channels,ES-  
398.9 > 79.6  
2.955e+005



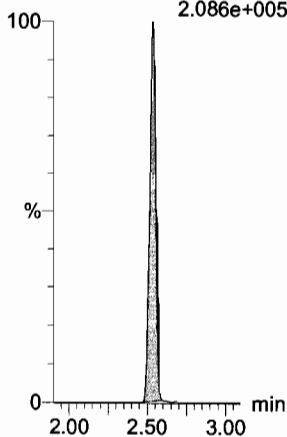
**13C3-PFBA**

F2:MRM of 1 channel,ES-  
216.1 > 171.8  
8.864e+004



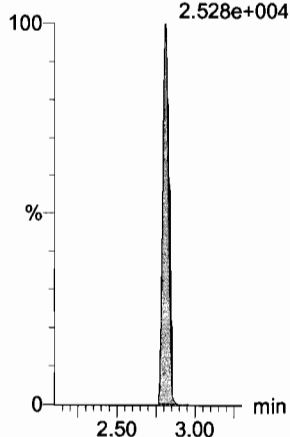
**13C3-PFPeA**

F5:MRM of 1 channel,ES-  
266. > 221.8  
2.086e+005



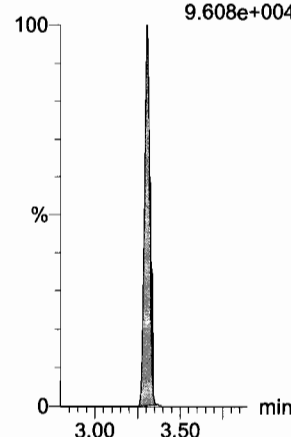
**13C3-PFBS**

F7:MRM of 1 channel,ES-  
302. > 98.8  
2.528e+004



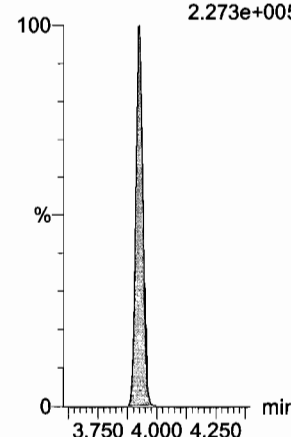
**13C2-PFHxA**

F9:MRM of 1 channel,ES-  
315 > 269.8  
9.608e+004



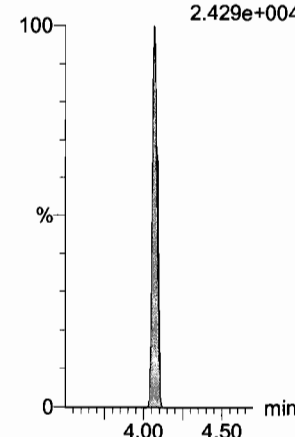
**13C4-PFHpA**

F16:MRM of 1 channel,ES-  
367.2 > 321.8  
2.273e+005



**18O2-PFHxS**

F19:MRM of 1 channel,ES-  
403.0 > 102.6  
2.429e+004



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

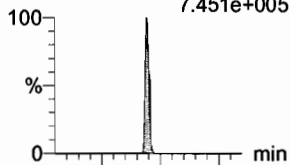
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Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210

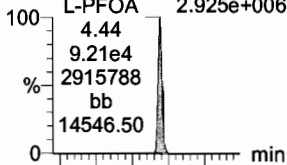
**6:2 FTS**

F23:MRM of 2 channels,ES-  
427.1 > 407  
7.451e+005



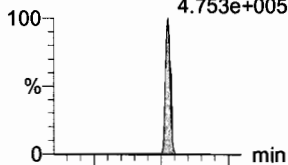
**L-PFOA**

F20:MRM of 2 channels,ES-  
413 > 368.7  
2.925e+006



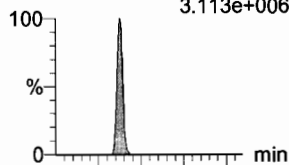
**PFHpS**

F25:MRM of 2 channels,ES-  
449 > 80.0  
4.753e+005



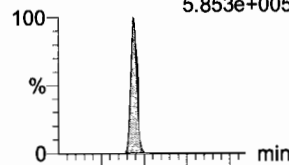
**PFNA**

F26:MRM of 2 channels,ES-  
463.0 > 418.8  
3.113e+006



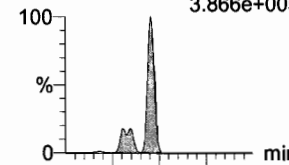
**PFOSA**

F29:MRM of 4 channels,ES-  
498.1 > 77.8  
5.853e+005

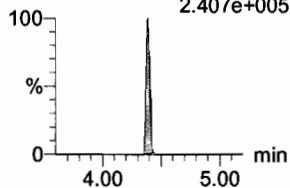


**L-PFOS**

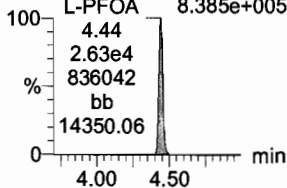
F31:MRM of 2 channels,ES-  
499 > 79.9  
3.866e+005



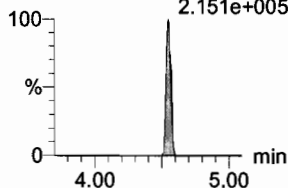
F23:MRM of 2 channels,ES-  
427.1 > 80  
2.407e+005



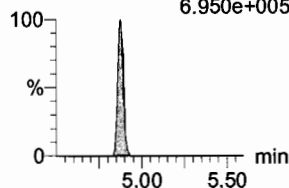
F20:MRM of 2 channels,ES-  
413 > 169  
8.385e+005



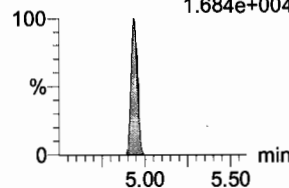
F25:MRM of 2 channels,ES-  
449 > 98.7  
2.151e+005



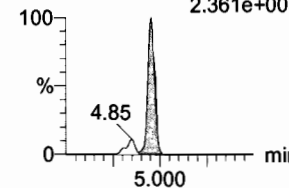
F26:MRM of 2 channels,ES-  
463.0 > 219.0  
6.950e+005



F29:MRM of 4 channels,ES-  
498.1 > 478  
1.684e+004

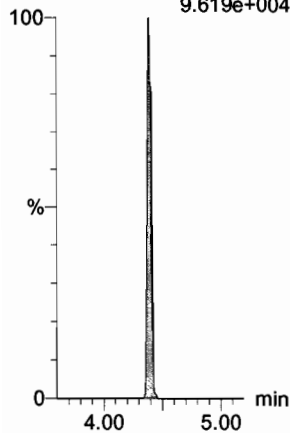


F31:MRM of 2 channels,ES-  
499 > 99  
2.361e+005



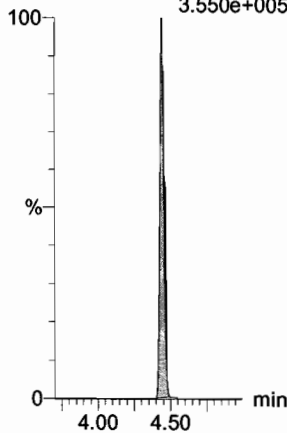
**13C2-6:2 FTS**

F24:MRM of 1 channel,ES-  
429.1 > 408.9  
9.619e+004



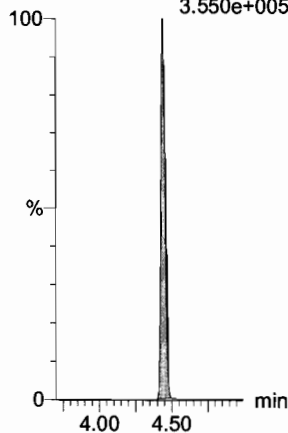
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
3.550e+005



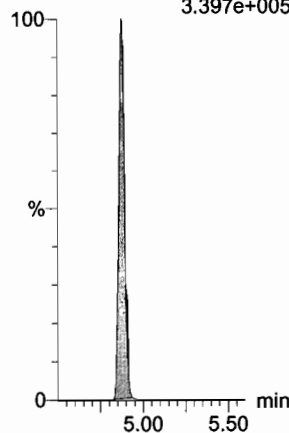
**13C2-PFOA**

F21:MRM of 1 channel,ES-  
414.9 > 369.7  
3.550e+005



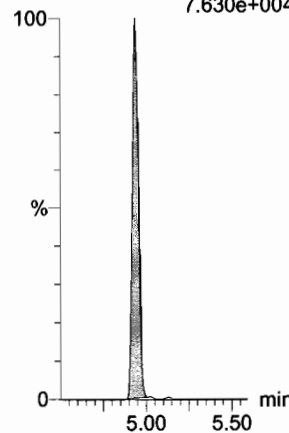
**13C5-PFNA**

F27:MRM of 1 channel,ES-  
468.2 > 422.9  
3.397e+005



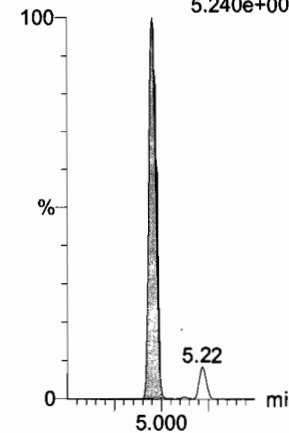
**13C8-PFOA**

F33:MRM of 1 channel,ES-  
506.1 > 77.7  
7.630e+004



**13C8-PFOS**

F34:MRM of 1 channel,ES-  
507.0 > 79.9  
5.240e+004

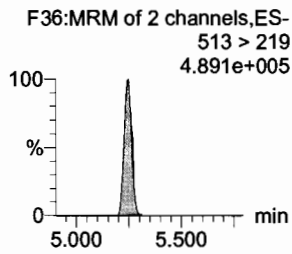
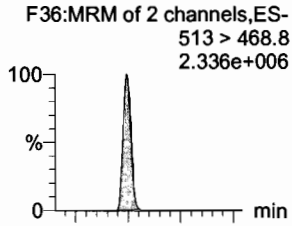


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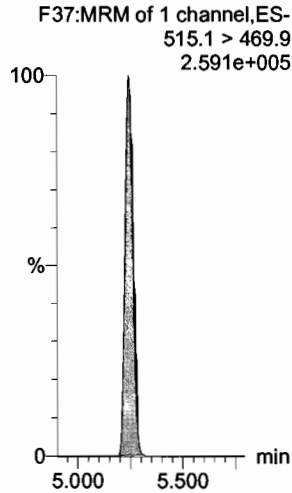
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210

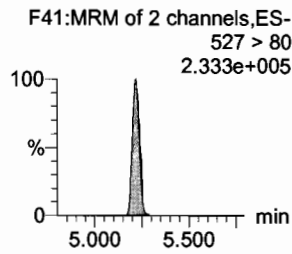
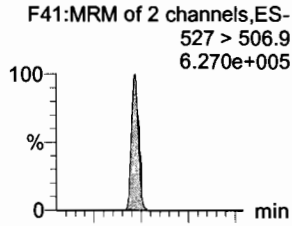
**PFDA**



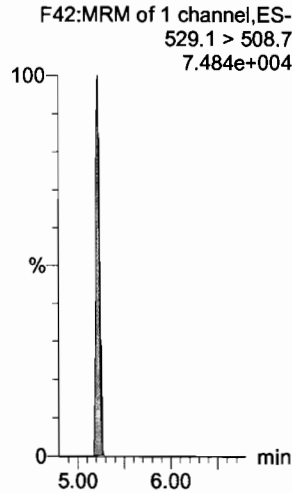
**13C2-PFDA**



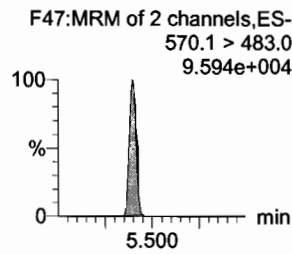
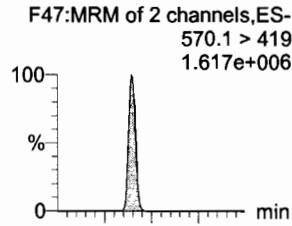
**8:2 FTS**



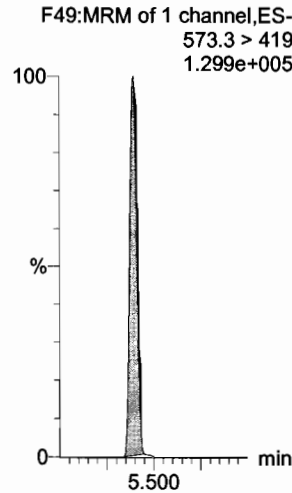
**13C2-8:2 FTS**



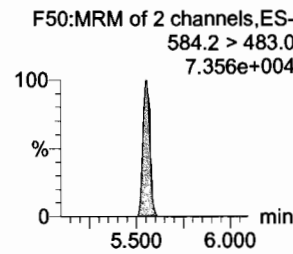
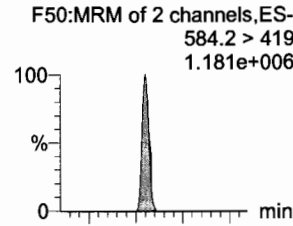
**N-MeFOSAA**



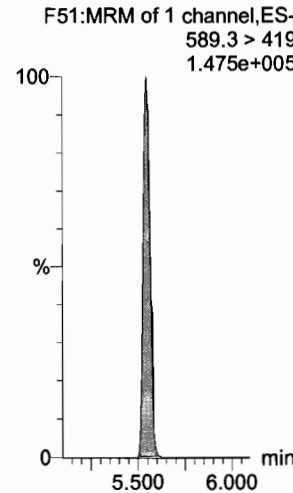
**d3-N-MeFOSAA**



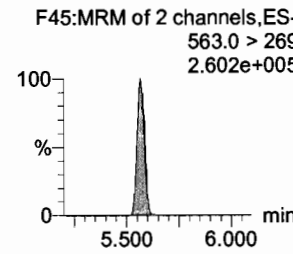
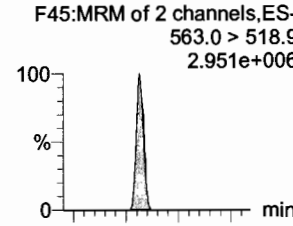
**N-EtFOSAA**



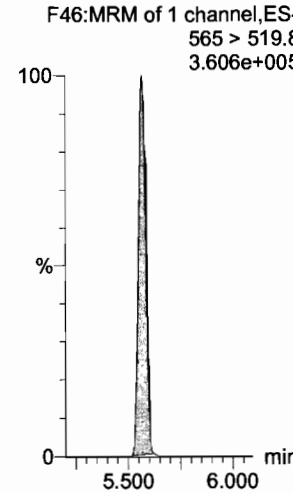
**d5-N-EtFOSAA**



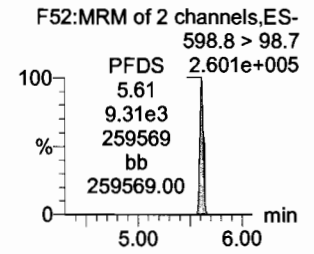
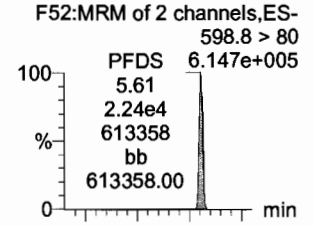
**PFUdA**



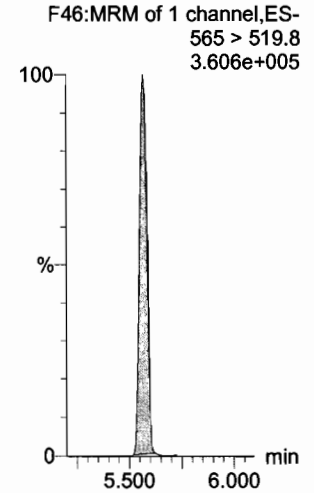
**13C2-PFUdA**



**PFDS**



**13C2-PFUdA**

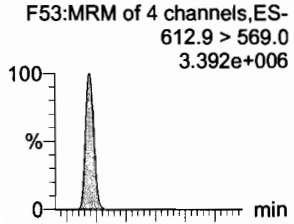


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

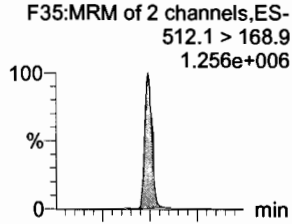
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210

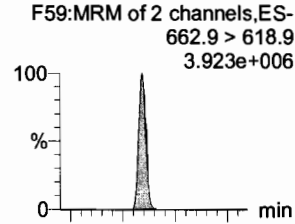
**PFDoA**



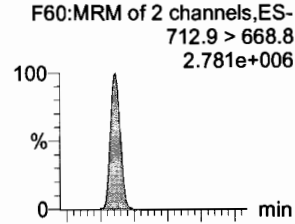
**N-MeFOSA**



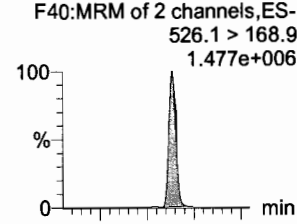
**PFTrDA**



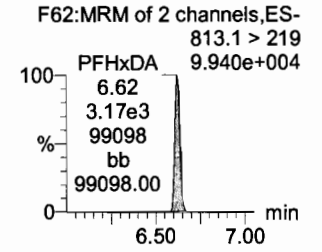
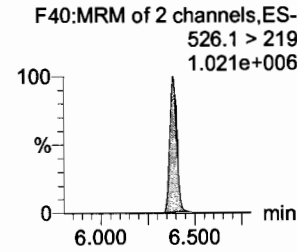
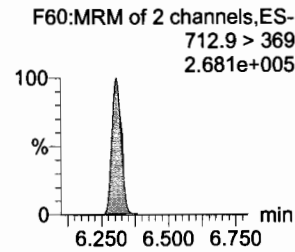
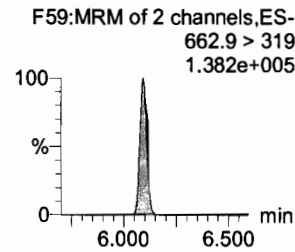
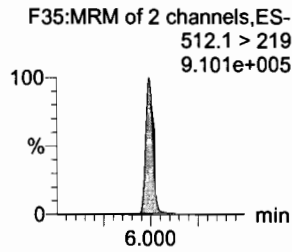
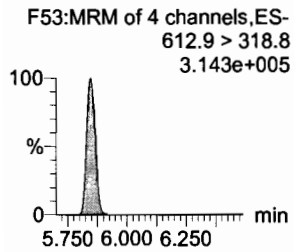
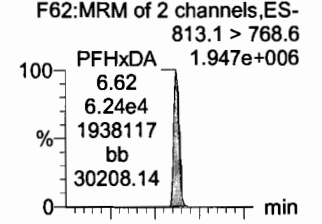
**PFTeDA**



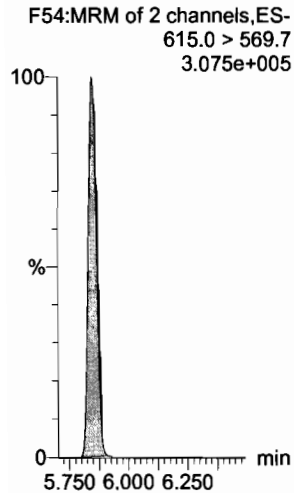
**N-EtFOSA**



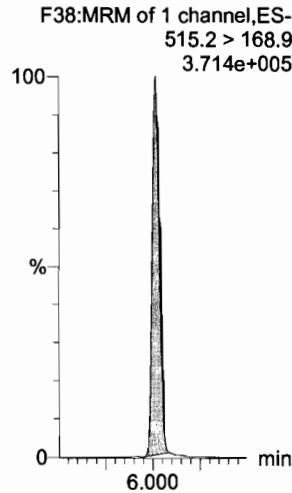
**PFHxDA**



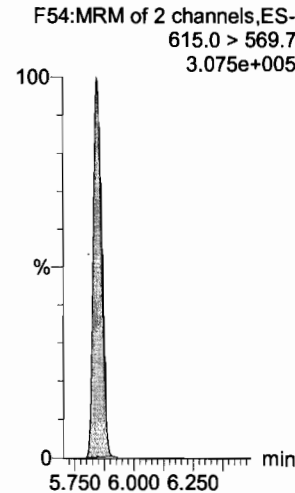
**13C2-PFDoA**



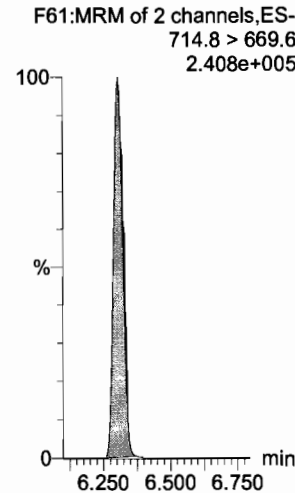
**d3-N-MeFOSA**



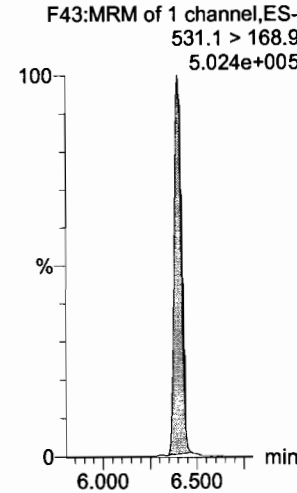
**13C2-PFDoA**



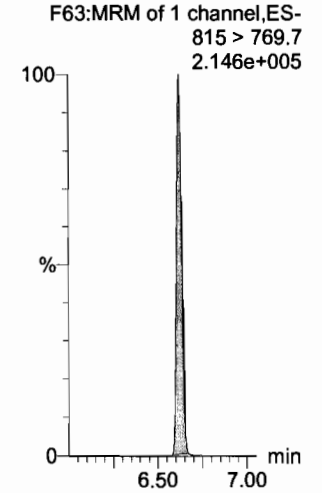
**13C2-PFTeDA**



**d5-N-ETFOSA**



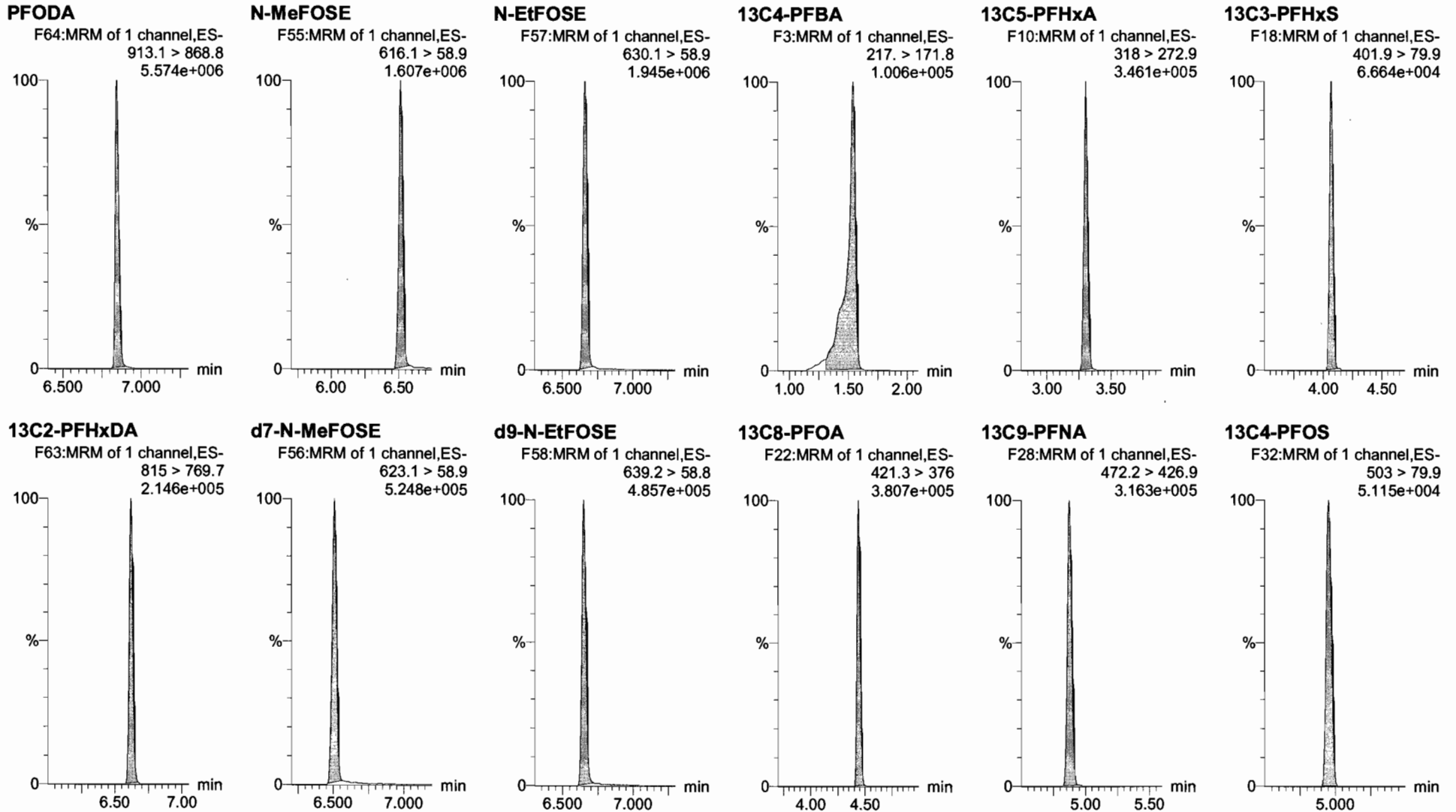
**13C2-PFHxDA**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
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Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

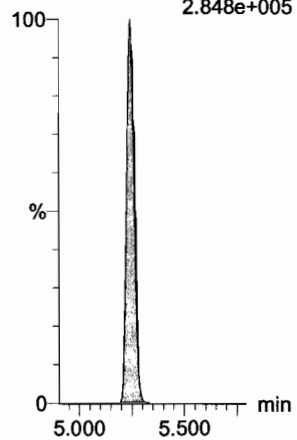
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Name: 180319M1\_9, Date: 19-Mar-2018, Time: 20:32:19, ID: ST180319M1-8 PFC CS5 18C1210, Description: PFC CS5 18C1210

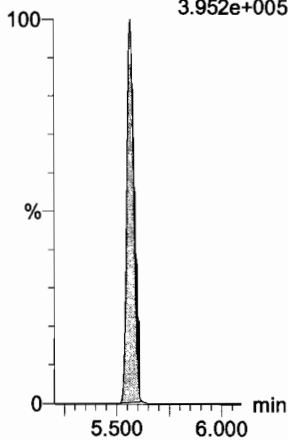
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.848e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.952e+005





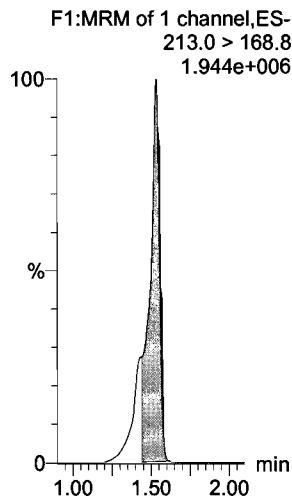
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

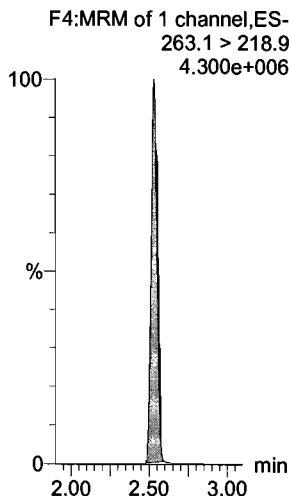
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211

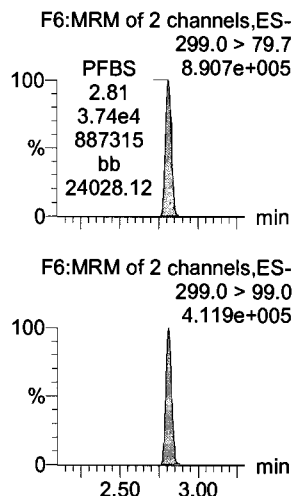
**PFBA**



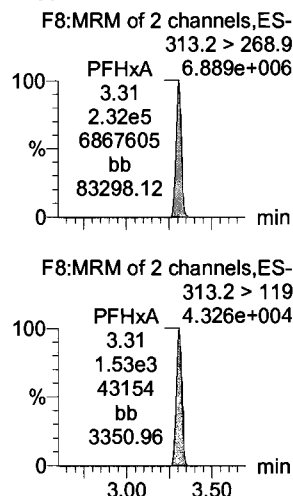
**PFPeA**



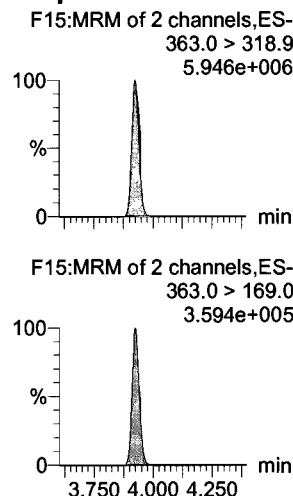
**PFBS**



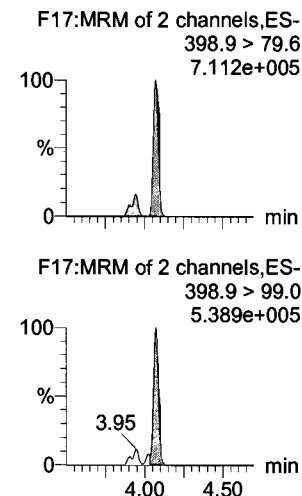
**PFHxA**



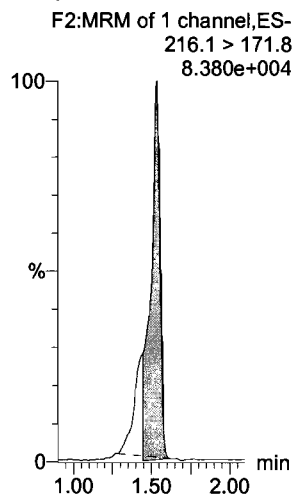
**PFHpA**



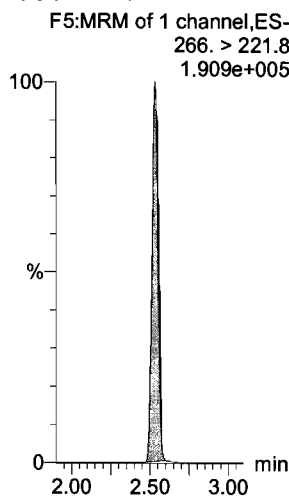
**L-PFHxS**



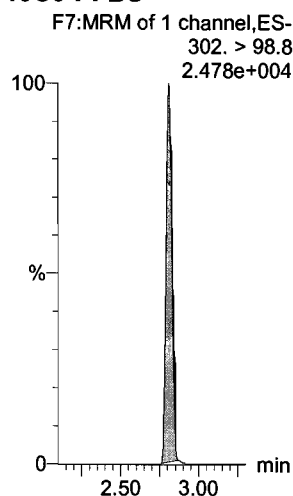
**13C3-PFBA**



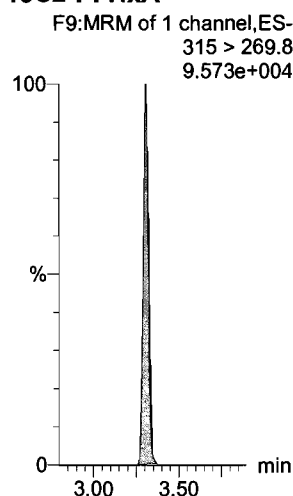
**13C3-PFPeA**



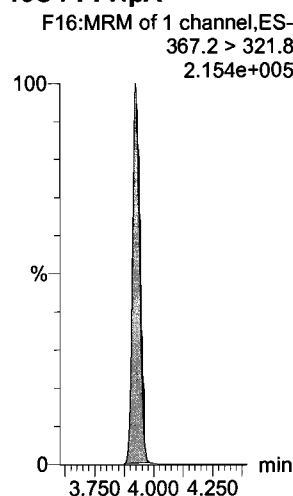
**13C3-PFBS**



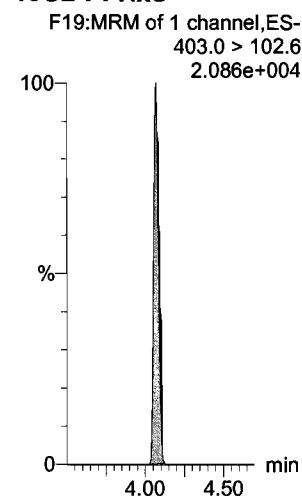
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

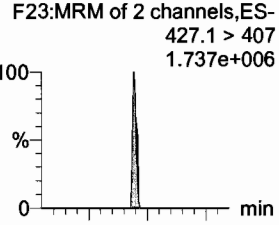


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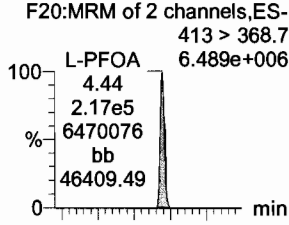
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211

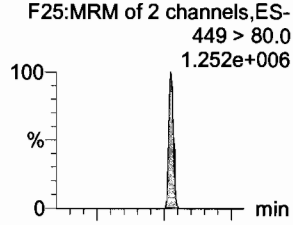
**6:2 FTS**



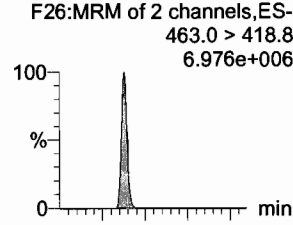
**L-PFOA**



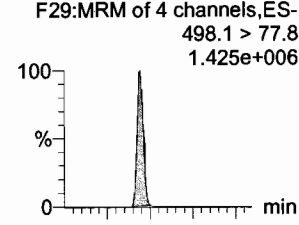
**PFHpS**



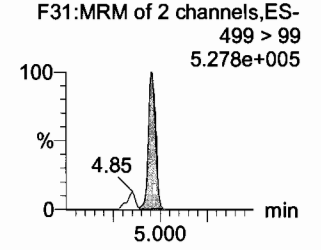
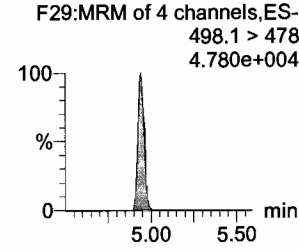
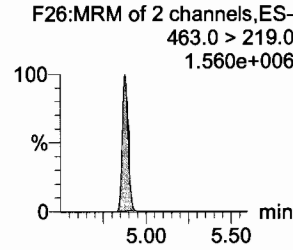
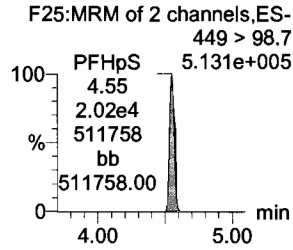
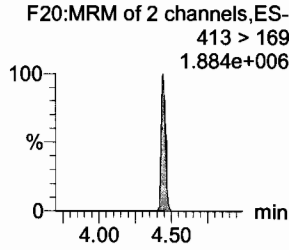
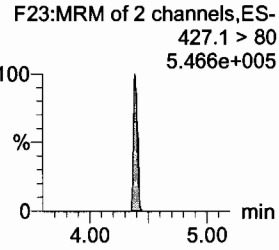
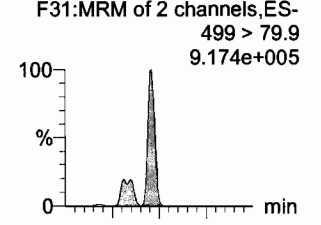
**PFNA**



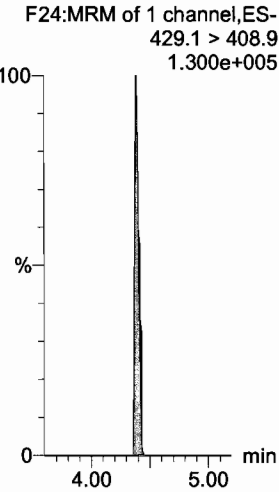
**PFOSA**



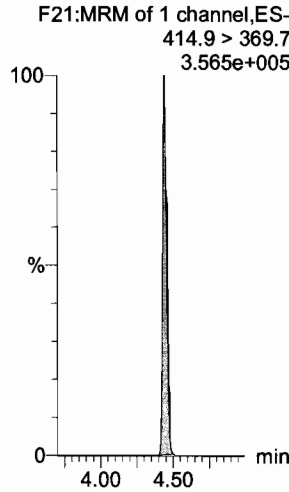
**L-PFOS**



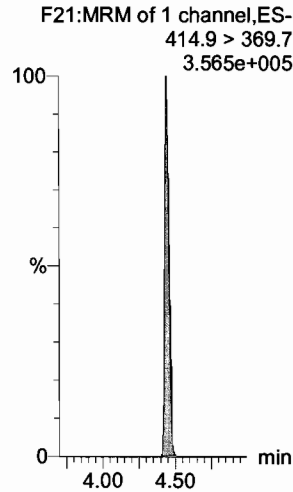
**13C2-6:2 FTS**



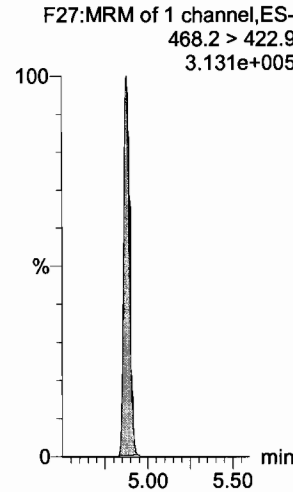
**13C2-PFOA**



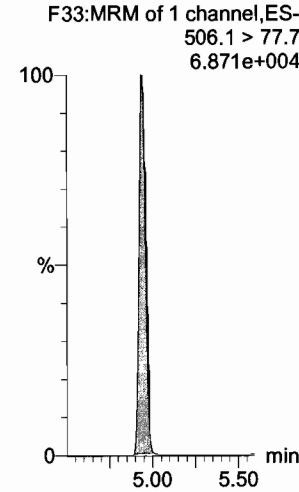
**13C2-PFOA**



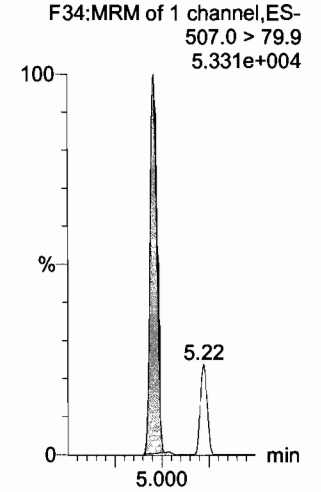
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**

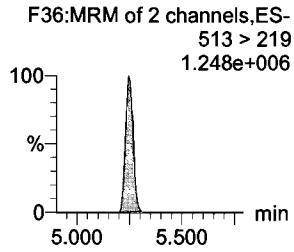
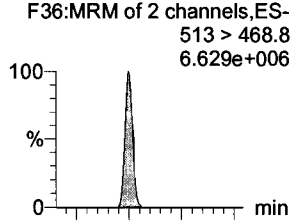


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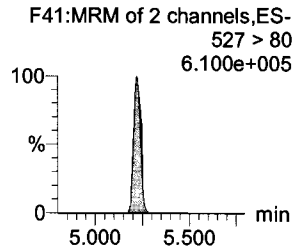
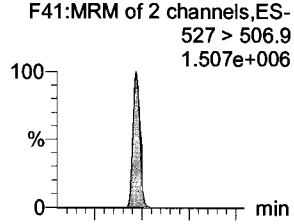
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Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211

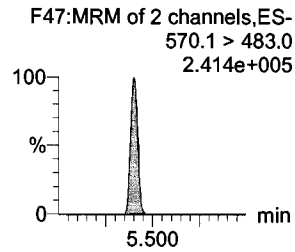
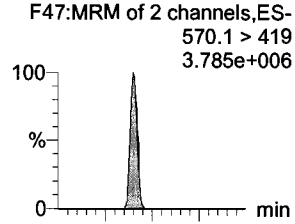
**PFDA**



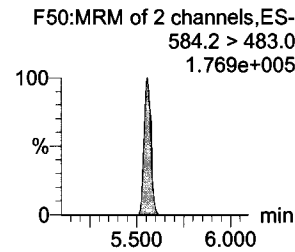
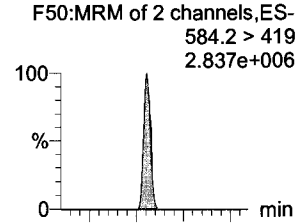
**8:2 FTS**



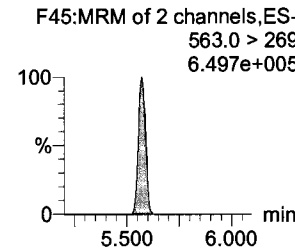
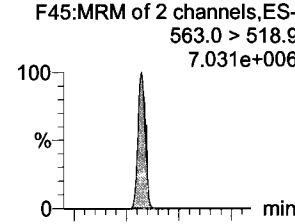
**N-MeFOSAA**



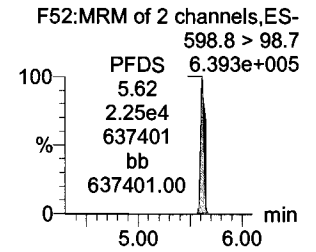
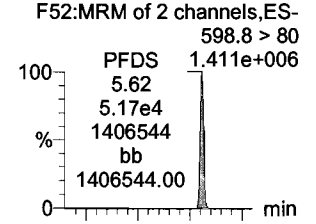
**N-EtFOSAA**



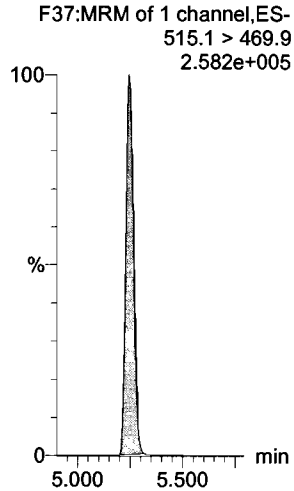
**PFUdA**



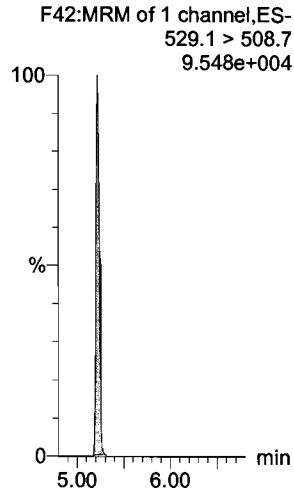
**PFDS**



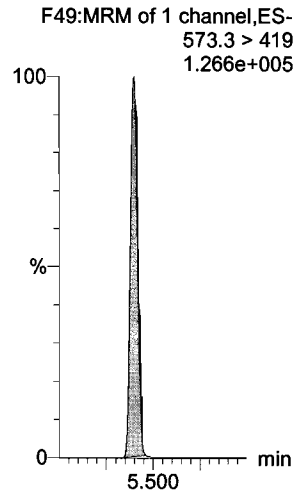
**13C2-PFDA**



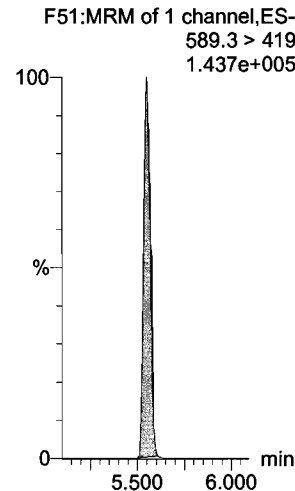
**13C2-8:2 FTS**



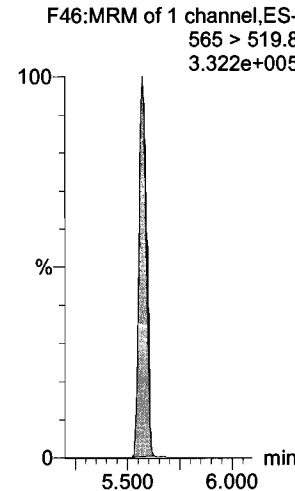
**d3-N-MeFOSAA**



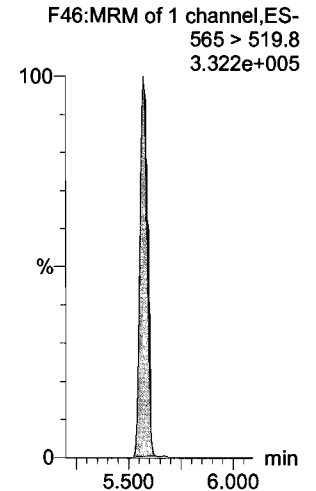
**d5-N-EtFOSAA**



**13C2-PFUdA**



**13C2-PFUdA**



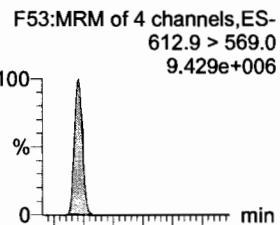
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Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

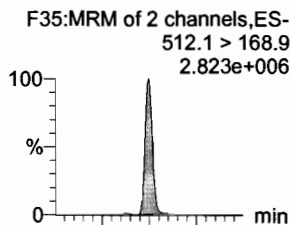
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211

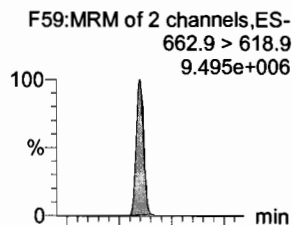
**PFDoA**



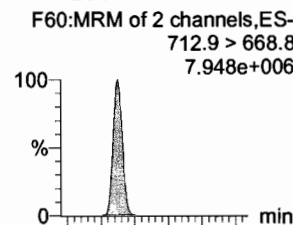
**N-MeFOSA**



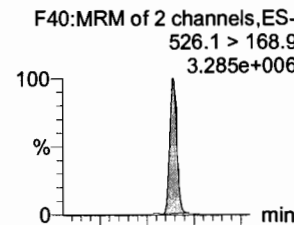
**PFTTrDA**



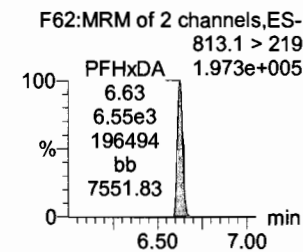
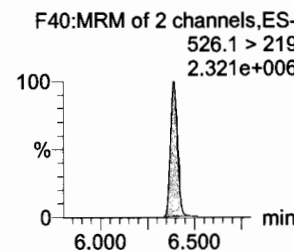
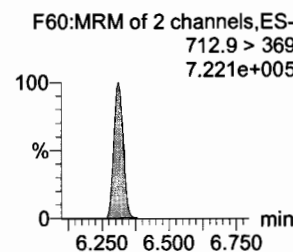
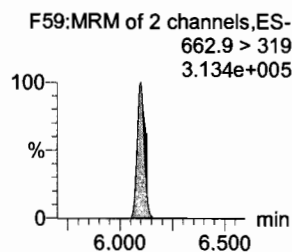
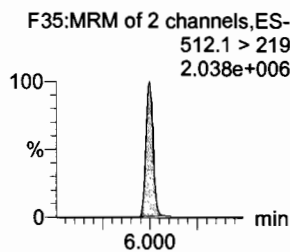
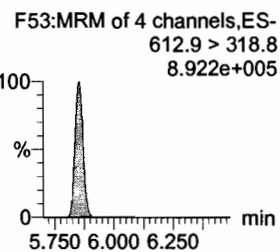
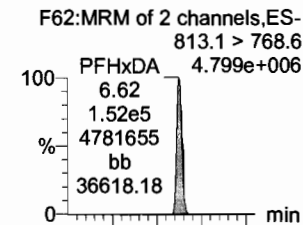
**PFTeDA**



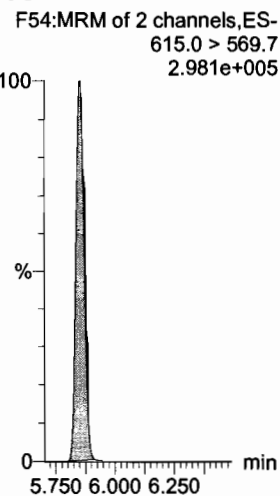
**N-EtFOSA**



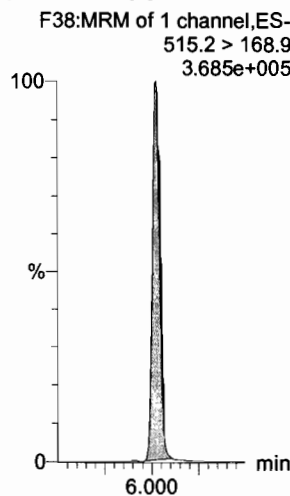
**PFHxDA**



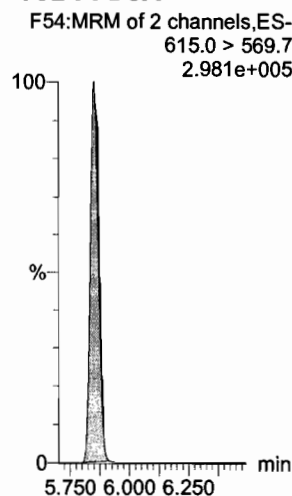
**13C2-PFDoA**



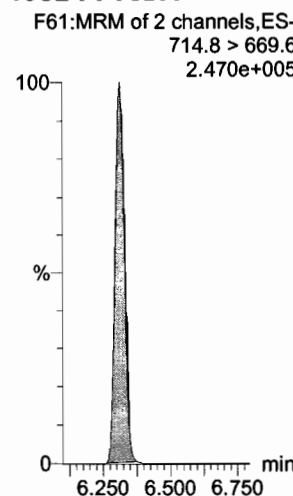
**d3-N-MeFOSA**



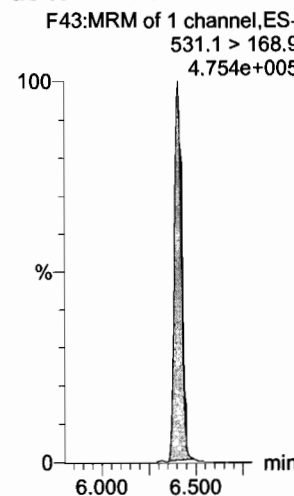
**13C2-PFDoA**



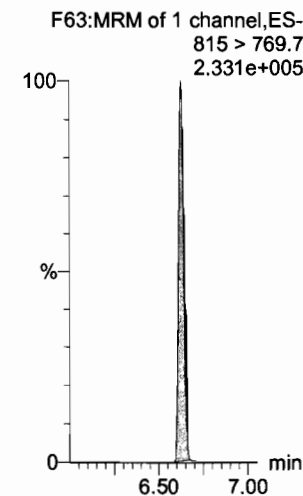
**13C2-PFTeDA**



**d5-N-ETFOA**



**13C2-PFHxDA**

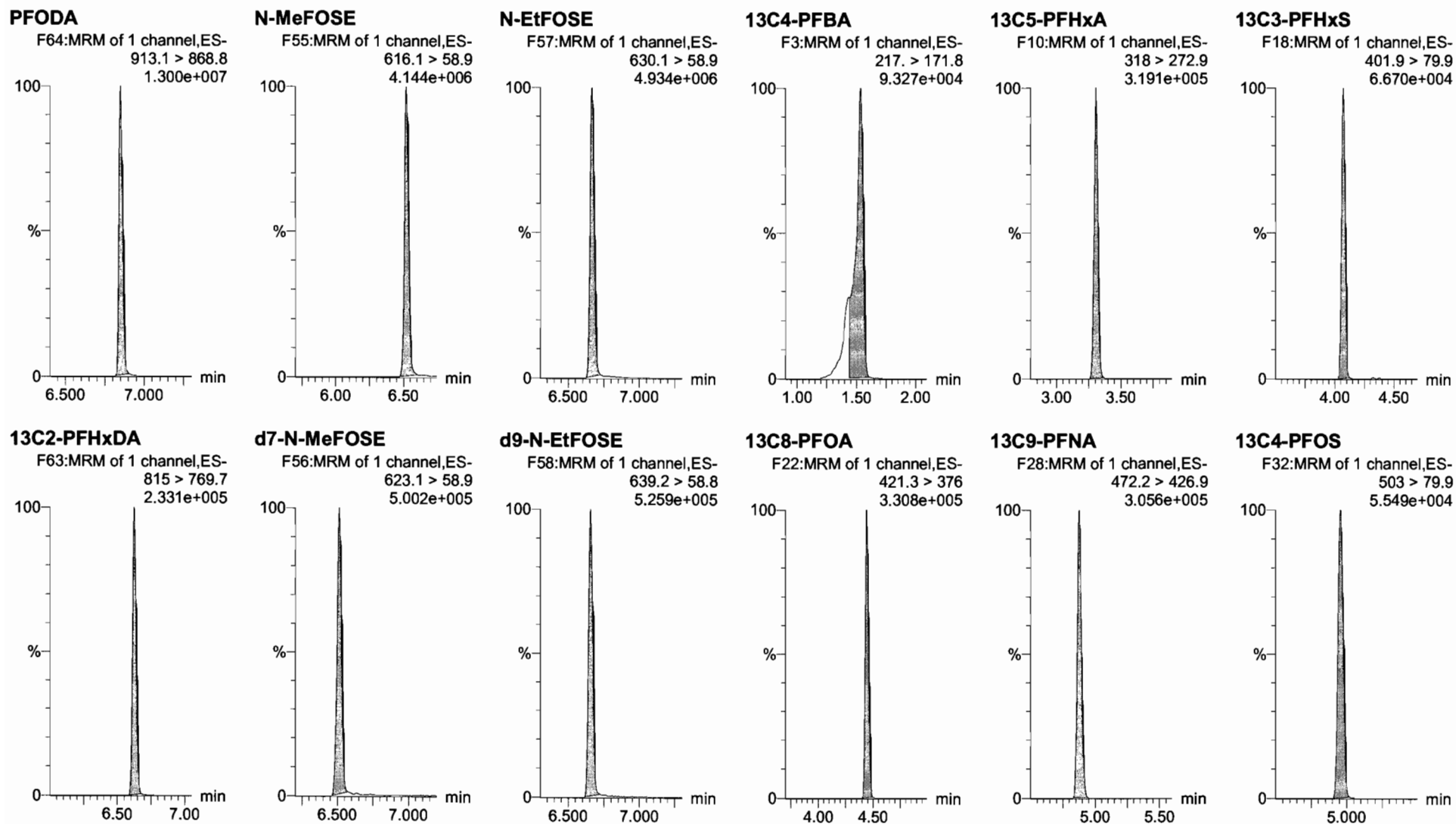


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

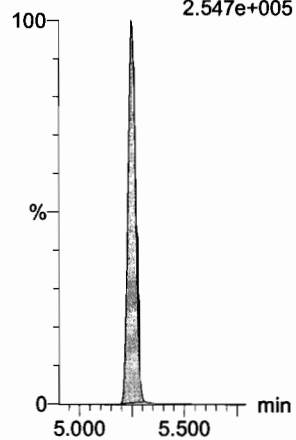
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_10, Date: 19-Mar-2018, Time: 20:43:48, ID: ST180319M1-9 PFC CS6 18C1211, Description: PFC CS6 18C1211

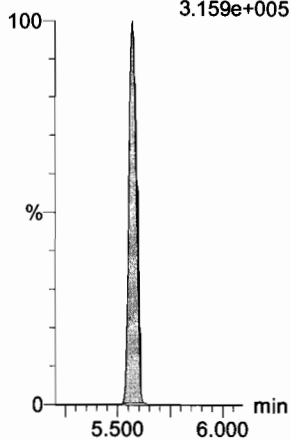
**13C6-PFDA**

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.547e+005



**13C7-PFUdA**

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
3.159e+005

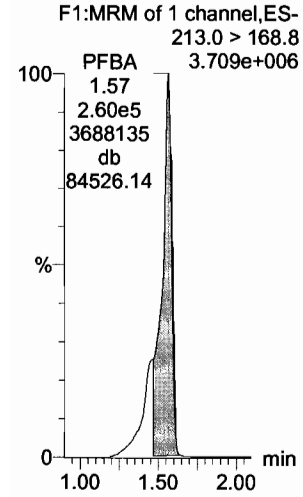


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

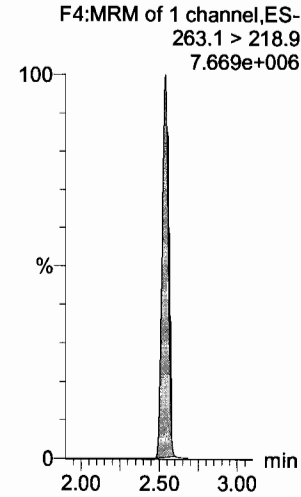
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

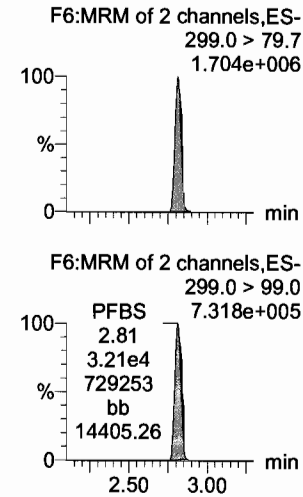
**PFBA**



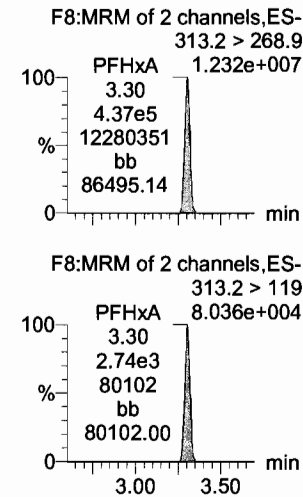
**PFPeA**



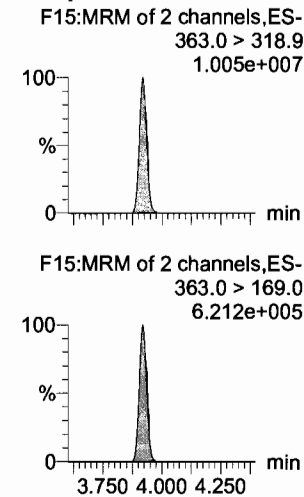
**PFBS**



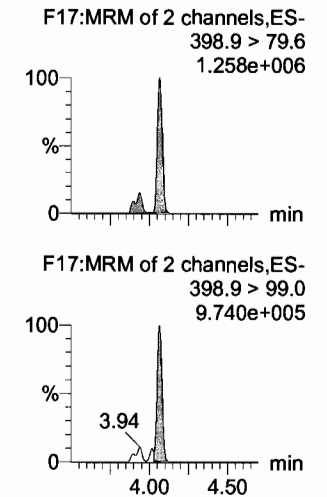
**PFHxA**



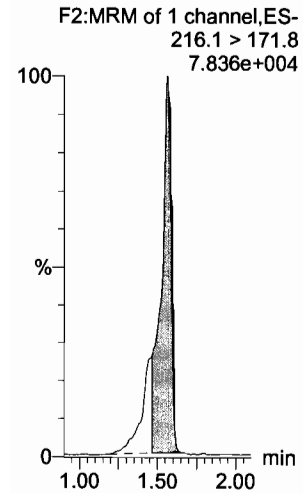
**PFHpA**



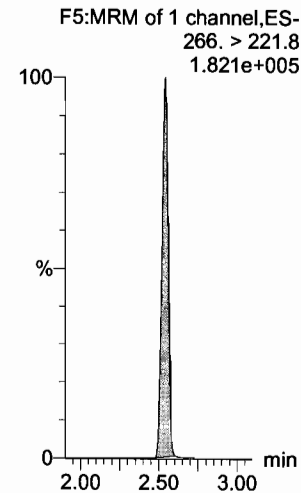
**L-PFHxS**



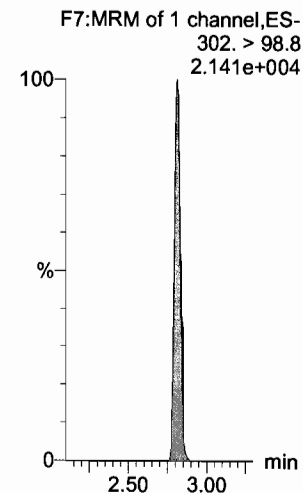
**13C3-PFBA**



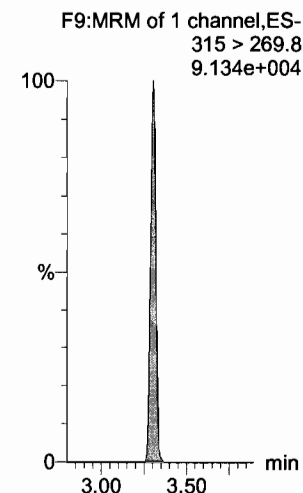
**13C3-PFPeA**



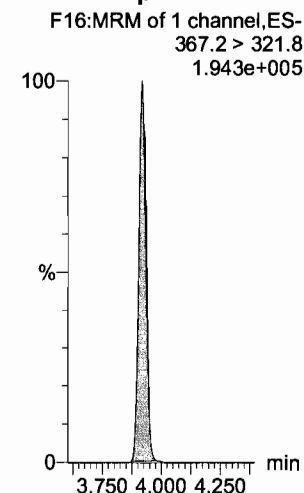
**13C3-PFBS**



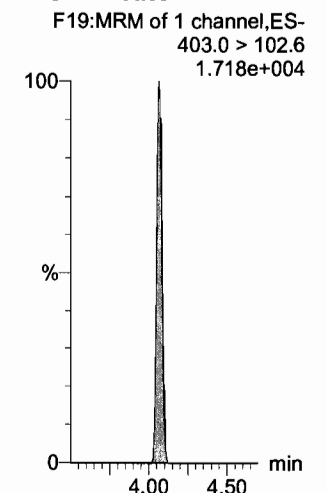
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**

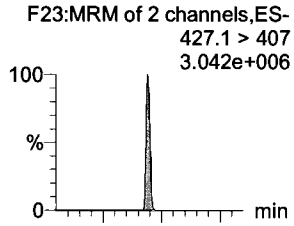


Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

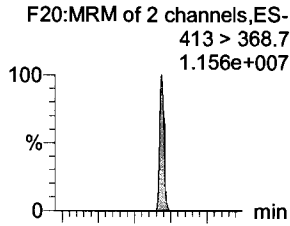
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

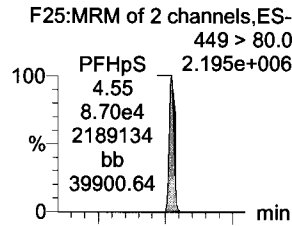
**6:2 FTS**



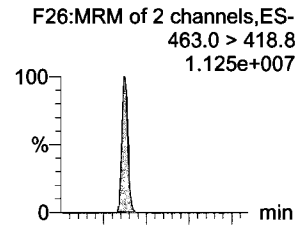
**L-PFOA**



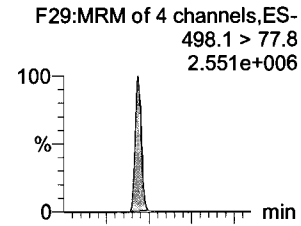
**PFHpS**



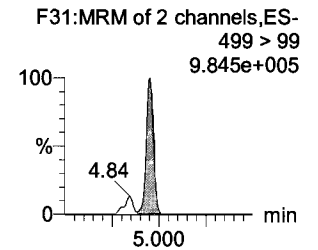
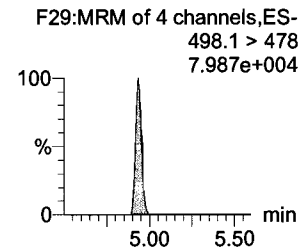
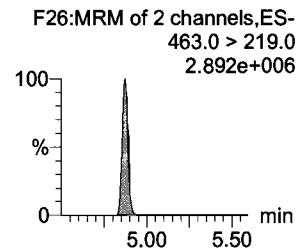
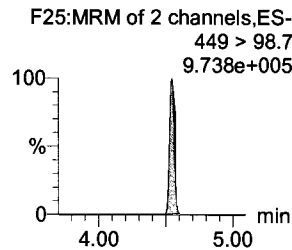
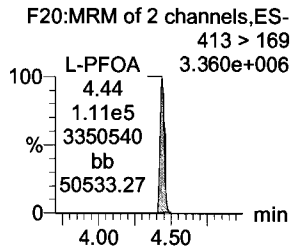
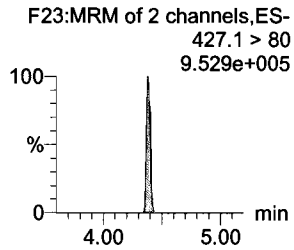
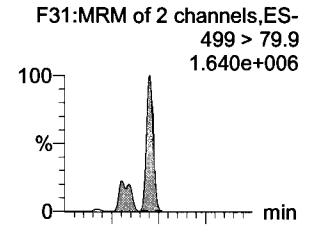
**PFNA**



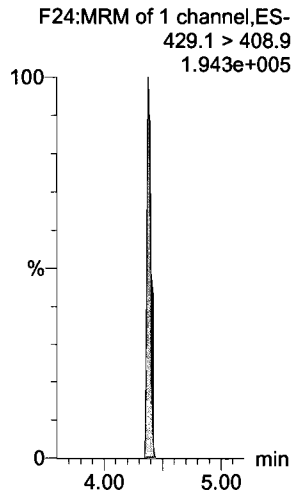
**PFOSA**



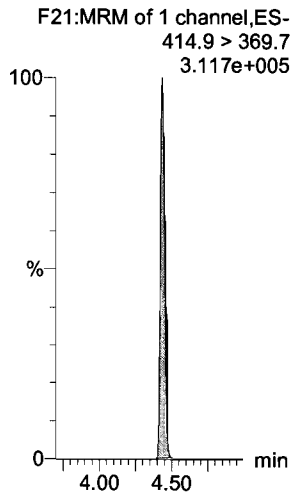
**L-PFOS**



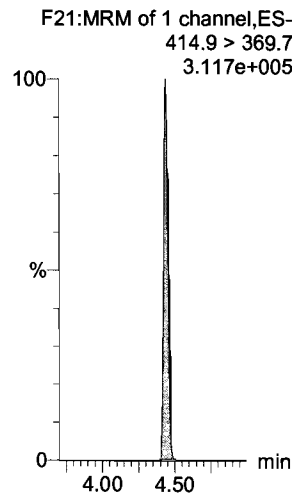
**13C2-6:2 FTS**



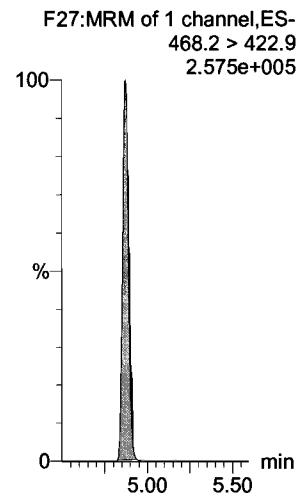
**13C2-PFOA**



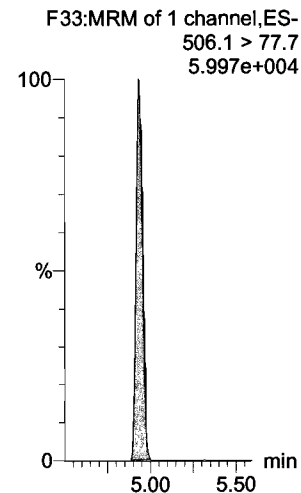
**13C2-PFOA**



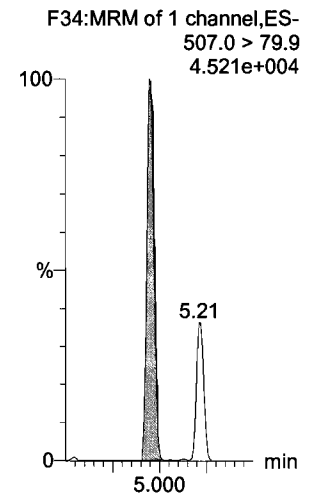
**13C5-PFNA**



**13C8-PFOA**



**13C8-PFOS**





Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

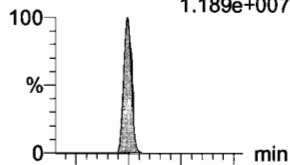
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

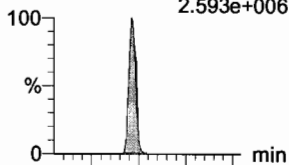
**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
1.189e+007



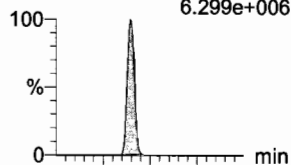
**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
2.593e+006



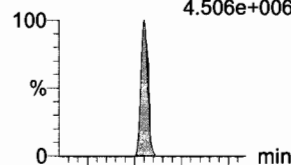
**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
6.299e+006



**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
4.506e+006



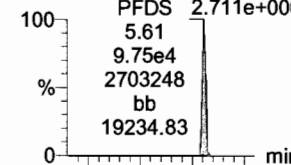
**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
1.235e+007

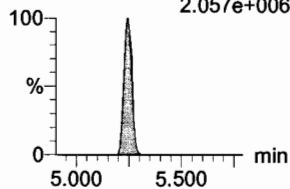


**PFDS**

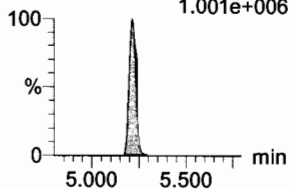
F52:MRM of 2 channels,ES-  
598.8 > 80  
2.711e+006



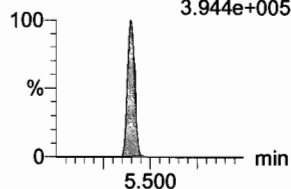
F36:MRM of 2 channels,ES-  
513 > 219  
2.057e+006



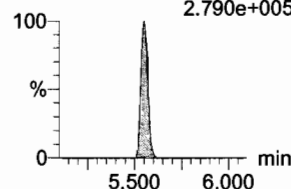
F41:MRM of 2 channels,ES-  
527 > 80  
1.001e+006



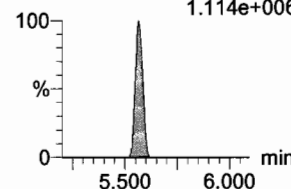
F47:MRM of 2 channels,ES-  
570.1 > 483.0  
3.944e+005



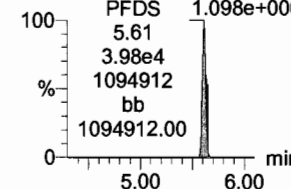
F50:MRM of 2 channels,ES-  
584.2 > 483.0  
2.790e+005



F45:MRM of 2 channels,ES-  
563.0 > 269  
1.114e+006

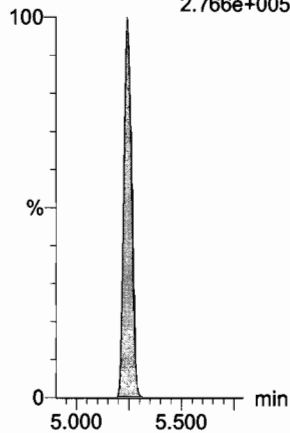


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
1.098e+006



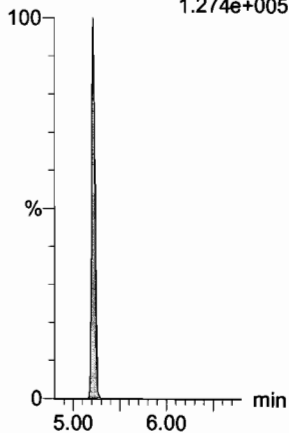
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
2.766e+005



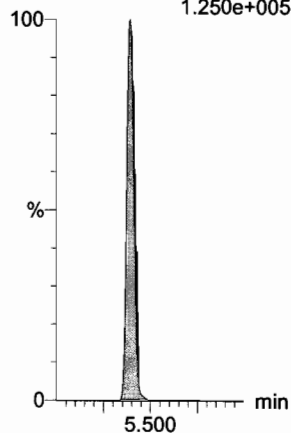
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
1.274e+005



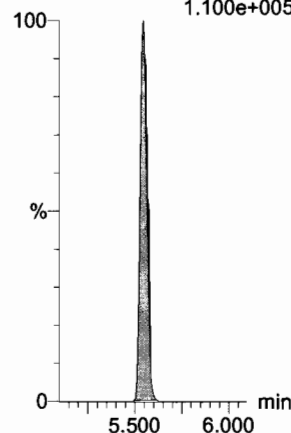
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
1.250e+005



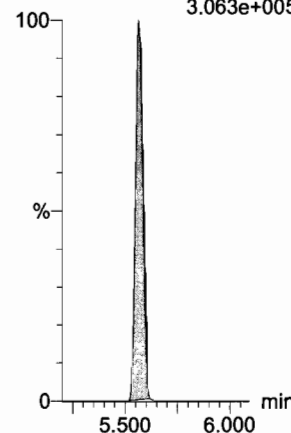
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
1.100e+005



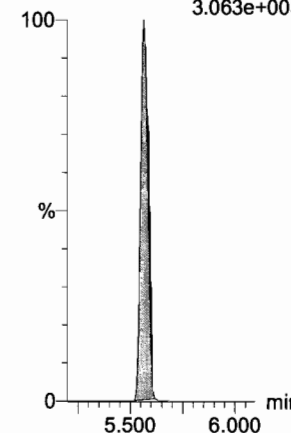
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.063e+005



**13C2-PFUdA**

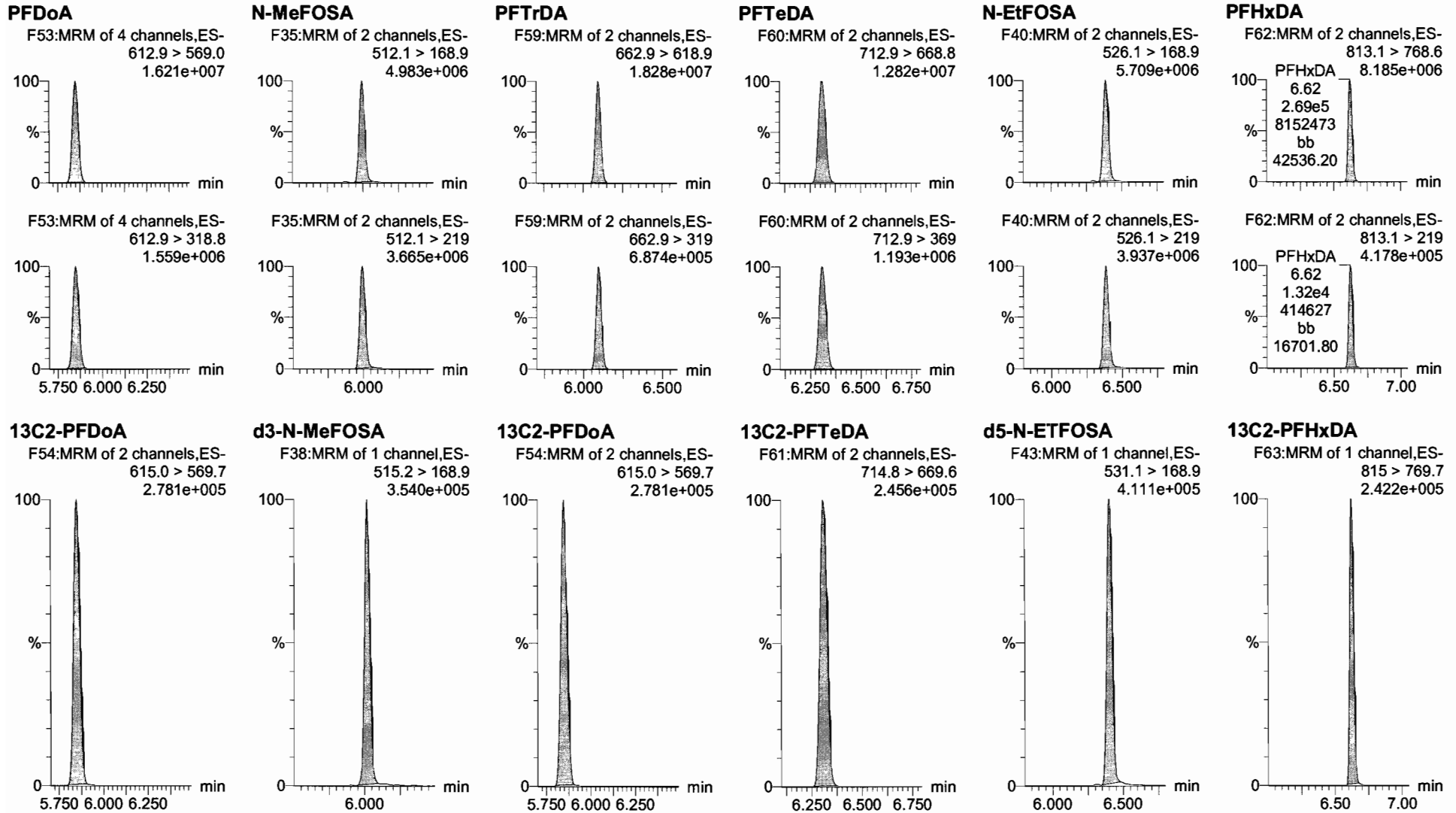
F46:MRM of 1 channel,ES-  
565 > 519.8  
3.063e+005



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

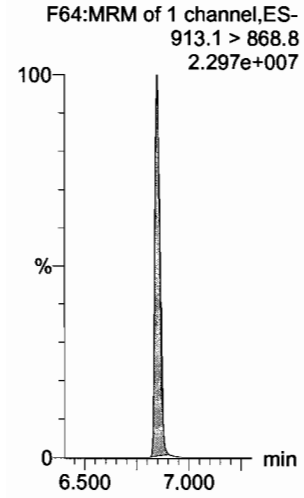


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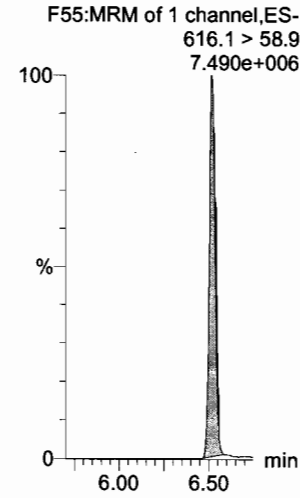
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time  
Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

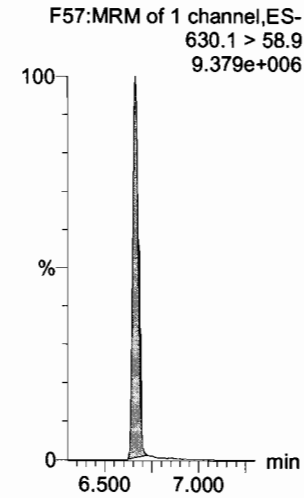
**PFODA**



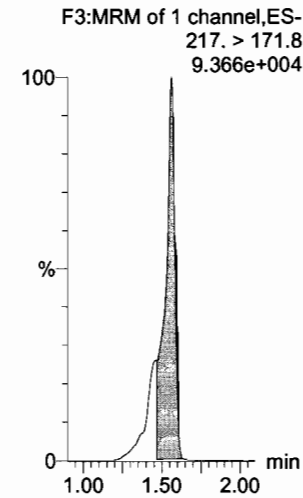
**N-MeFOSE**



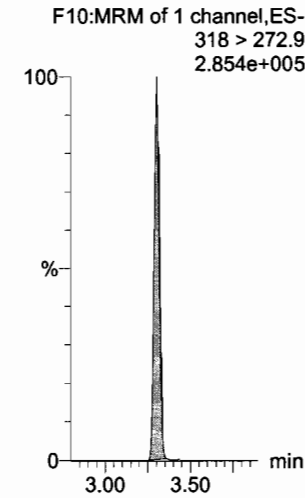
**N-EtFOSE**



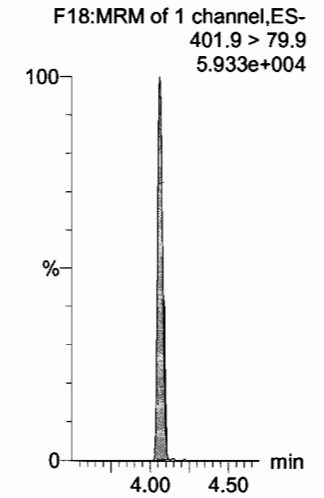
**13C4-PFBA**



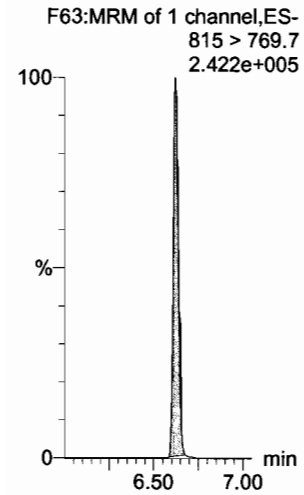
**13C5-PFHxA**



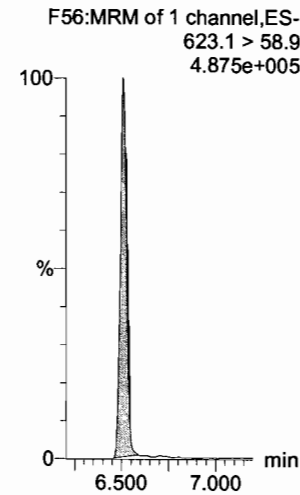
**13C3-PFHxS**



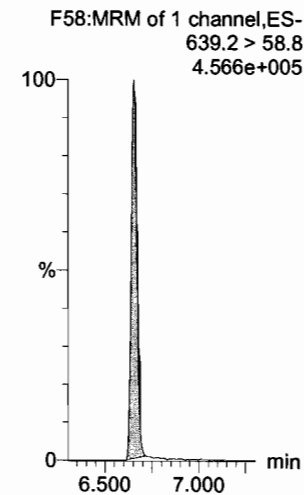
**13C2-PFHxDA**



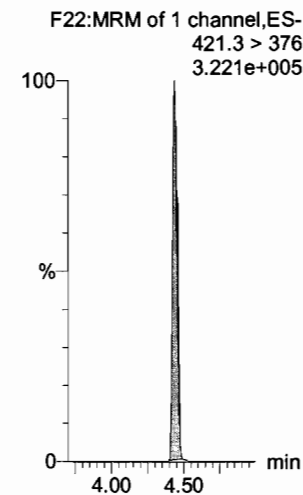
**d7-N-MeFOSE**



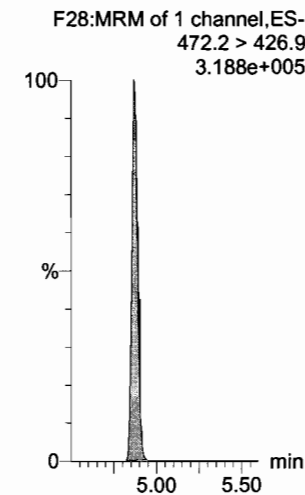
**d9-N-EtFOSE**



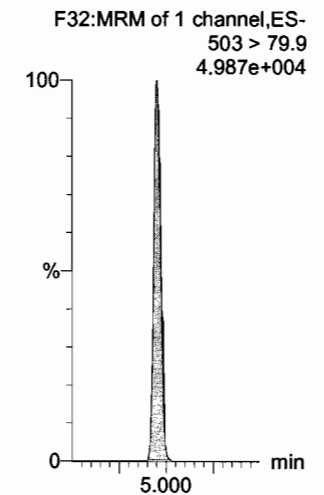
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_crv.qld

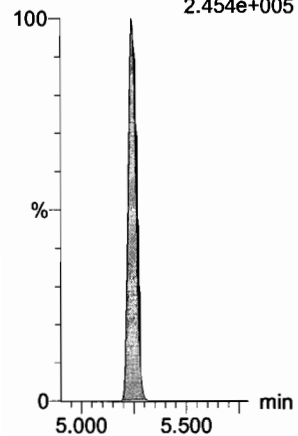
Last Altered: Tuesday, March 20, 2018 09:55:28 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 10:03:47 Pacific Daylight Time

Name: 180319M1\_11, Date: 19-Mar-2018, Time: 20:55:18, ID: ST180319M1-10 PFC CS7 18C1212, Description: PFC CS7 18C1212

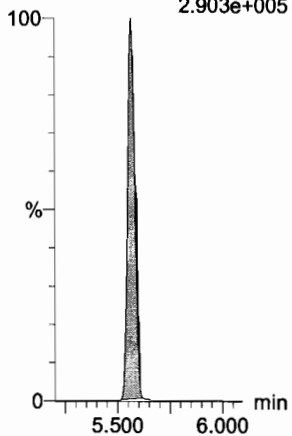
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.454e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
2.903e+005



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Ⓛ Not used

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

- NDS are not present in SS

Printed: Tuesday, March 20, 2018 13:03:55 Pacific Daylight Time

✓ 3/20/18  
CP 3/20/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_031918.mdb 20 Mar 2018 10:04:27

Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

#	Name	Trace	Area	IS Area	wt/vol RRF M...	Pred RT	RT	Response	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	5644.6	6199.2	1.0000	1.56	1.54	11.382	9.688	96.9
2	2 PFPeA	263.1 > 218.9	8189.2	9919.5	1.0000	2.54	2.54	10.319	9.721	97.2
3	3 PFBS	299.0 > 79.7	1621.7	1251.7	1.0000	2.81	2.81	16.195	8.720	87.2
4	4 4:2 FTS	327.2>307.2	2274.6	1251.7	1.0000	3.21	3.21	22.716	9.301	93.0
5	5 PFHxA	313.2 > 268.9	11270.1	3633.4	1.0000	3.30	3.30	15.509	10.218	102.2
6	6 PFPeS	349.1>80.1	1914.0	1251.7	1.0000	3.50	3.50	19.115	9.576	95.8
7	7 PFHpA	363.0 > 318.9	9256.8	8420.4	1.0000	3.92	3.92	13.742	10.236	102.4
8	8 L-PFHxS	398.9 > 79.6	1293.0	839.2	1.0000	4.06	4.06	19.258	9.362	93.6
9	9 Br-PFHxS	398.9 > 79.6		839.2	1.0000	3.94				
10	10 6:2 FTS	427.1 > 407	2552.5	2868.5	1.0000	4.38	4.38	11.123	10.987	109.9
11	11 L-PFOA	413 > 368.7	9395.1	12275.3	1.0000	4.45	4.43	9.567	9.484	94.8
12	12 Br-PFOA	413 > 368.7		12275.3	1.0000	4.35				
13	13 PFHpS	449 > 80.0	2218.5	12275.3	1.0000	4.54	4.54	2.259	10.713	107.1
14	14 PFNA	463.0 > 418.8	12132.9	14025.7	1.0000	4.87	4.86	10.813	9.476	94.8
15	15 PFOSA	498.1 > 77.8	2917.4	3288.6	1.0000	4.93	4.93	11.089	10.797	108.0
16	16 L-PFOS	499 > 79.9	2213.1	2731.2	1.0000	4.95	4.94	10.129	9.377	93.8
17	17 Br-PFOS	499 > 79.9		2731.2	1.0000	4.80				
18	18 PFDA	513 > 468.8	12503.5	12117.8	1.0000	5.24	5.24	12.898	10.409	104.1
19	19 8:2 FTS	527 > 506.9	3139.9	2616.3	1.0000	5.21	5.21	15.002	9.546	95.5
20	20 PFNS	549.1>80.1		2731.2						
21	21 N-MeFOSAA	570.1 > 419	7147.9	6078.6	1.0000	5.39	5.39	14.699	9.676	96.8
22	22 N-EtFOSAA	584.2 > 419	5870.3	6975.5	1.0000	5.55	5.55	10.519	10.537	105.4
23	23 PFUdA	563.0 > 518.9	11965.8	15287.0	1.0000	5.56	5.56	9.784	9.233	92.3
24	24 PFDS	598.8 > 80	2421.7	15287.0	1.0000	5.61	5.60	1.980	9.938	99.4
25	25 PFDoA	612.9 > 569.0	16150.3	12578.6	1.0000	5.84	5.84	16.049	10.394	103.9
26	26 N-MeFOSA	512.1 > 168.9		16789.2	1.0000	6.00				
27	27 PFTrDA	662.9 > 618.9	17478.6	12578.6	1.0000	6.10	6.09	17.369	10.783	107.8
28	28 PFTeDA	712.9 > 668.8	15861.4	8614.9	1.0000	6.30	6.30	23.014	12.939	129.4
29	29 N-EtFOSA	526.1 > 168.9		24740.8	1.0000	6.38				
30	30 PFHxDA	813.1 > 768.6		7339.9	1.0000	6.62				
31	31 PFODA	913.1 > 868.8		7339.9	1.0000	6.85				

70-130  
↓

Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 13:03:55 Pacific Daylight Time

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec
32	32 N-MeFOSE	616.1 > 58.9		20258.8	1.0000		6.50				
33	33 N-EtFOSE	630.1 > 58.9		16836.5	1.0000		6.65				
34	34 13C3-PFBA	216.1 > 171.8	6199.2	7099.7	1.0000	0.865	1.56	1.54	10.914	12.612	100.9
35	35 13C3-PFPeA	266. > 221.8	9919.5	12601.8	1.0000	0.824	2.54	2.54	9.839	11.934	95.5
36	36 13C3-PFBS	302. > 98.8	1251.7	12601.8	1.0000	0.097	2.81	2.81	1.242	12.866	102.9
37	37 13C2-PFHxA	315 > 269.8	3633.4	12601.8	1.0000	0.755	3.30	3.31	3.604	4.771	95.4
38	38 13C4-PFHpA	367.2 > 321.8	8420.4	12601.8	1.0000	0.705	3.92	3.92	8.352	11.848	94.8
39	39 18O2-PFHxS	403.0 > 102.6	839.2	2544.1	1.0000	0.324	4.06	4.07	4.123	12.734	101.9
40	40 13C2-6:2 FTS	429.1 > 408.9	2868.5	12490.5	1.0000	0.254	4.38	4.38	2.871	11.309	90.5
41	41 13C2-PFOA	414.9 > 369.7	12275.3	12490.5	1.0000	1.003	4.43	4.43	12.285	12.248	98.0
42	42 13C5-PFNA	468.2 > 422.9	14025.7	14640.9	1.0000	0.978	4.87	4.86	11.975	12.238	97.9
43	43 13C8-PFOA	506.1 > 77.7	3288.6	16632.7	1.0000	0.219	4.93	4.93	2.471	11.291	90.3
44	44 13C8-PFOS	507.0 > 79.9	2731.2	2762.2	1.0000	1.049	4.95	4.94	12.360	11.780	94.2
45	45 13C2-PFDA	515.1 > 469.9	12117.8	11570.2	1.0000	1.023	5.24	5.24	13.092	12.802	102.4
46	46 13C2-8:2 FTS	529.1 > 508.7	2616.3	12601.8	1.0000	0.224	5.21	5.21	2.595	11.584	92.7
47	47 d3-N-MeFOSAA	573.3 > 419	6078.6	16632.7	1.0000	0.395	5.39	5.38	4.568	11.579	92.6
48	48 d5-N-EtFOSAA	589.3 > 419	6975.5	16632.7	1.0000	0.425	5.55	5.54	5.242	12.343	98.7
49	49 13C2-PFUdA	565 > 519.8	15287.0	16632.7	1.0000	0.962	5.56	5.56	11.489	11.943	95.5
50	50 13C2-PFDaA	615.0 > 569.7	12578.6	16632.7	1.0000	0.879	5.84	5.84	9.453	10.754	86.0
51	51 d3-N-MeFOSA	515.2 > 168.9	16789.2	16632.7	1.0000	0.092	6.00	6.01	12.618	137.794	91.9
52	52 13C2-PFTeDA	714.8 > 669.6	8614.9	16632.7	1.0000	0.697	6.30	6.30	6.474	9.292	74.3
53	53 d5-N-ETFOSA	531.1 > 168.9	24740.8	16632.7	1.0000	0.122	6.40	6.39	18.594	151.979	101.3
54	54 13C2-PFHxDA	815 > 769.7	7339.9	16632.7	1.0000	1.299	6.62	6.62	5.516	4.246	84.9
55	55 d7-N-MeFOSE	623.1 > 58.9	20258.8	16632.7	1.0000	0.109	6.50	6.51	15.225	139.111	92.7
56	56 d9-N-EtFOSE	639.2 > 58.8	16836.5	16632.7	1.0000	0.098	6.65	6.64	12.653	128.977	86.0
57	57 13C4-PFBA	217. > 171.8	7099.7	7099.7	1.0000	1.000	1.56	1.54	12.500	12.500	100.0
58	58 13C5-PFHxA	318 > 272.9	12601.8	12601.8	1.0000	1.000	3.30	3.30	12.500	12.500	100.0
59	59 13C3-PFHxS	401.9 > 79.9	2544.1	2544.1	1.0000	1.000	4.04	4.06	12.500	12.500	100.0
60	60 13C8-PFOA	421.3 > 376	12490.5	12490.5	1.0000	1.000	4.43	4.43	12.500	12.500	100.0
61	61 13C9-PFNA	472.2 > 426.9	14640.9	14640.9	1.0000	1.000	4.87	4.86	12.500	12.500	100.0
62	62 13C4-PFOS	503 > 79.9	2762.2	2762.2	1.0000	1.000	4.95	4.94	12.500	12.500	100.0
63	63 13C6-PFDA	519.1 > 473.7	11570.2	11570.2	1.0000	1.000	5.24	5.24	12.500	12.500	100.0
64	64 13C7-PFUdA	570.1 > 524.8	16632.7	16632.7	1.0000	1.000	5.56	5.56	12.500	12.500	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

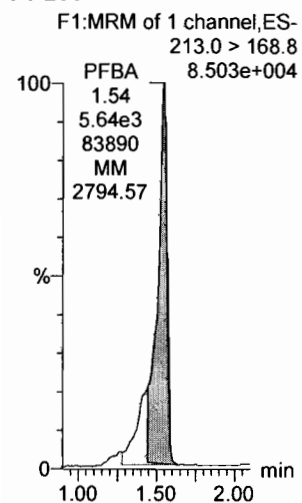
Printed: Tuesday, March 20, 2018 13:04:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_031918.mdb 20 Mar 2018 10:04:27

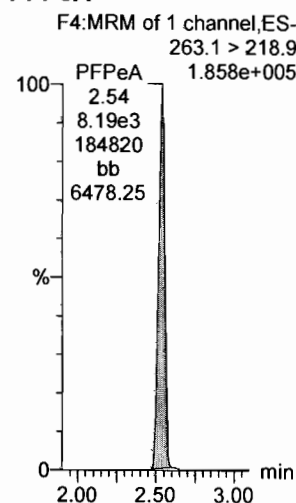
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

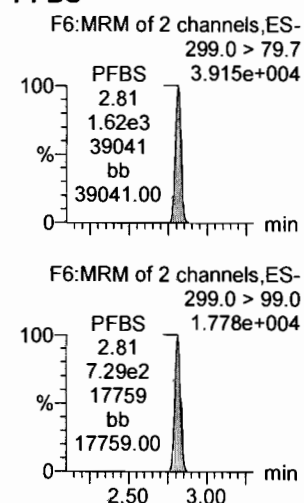
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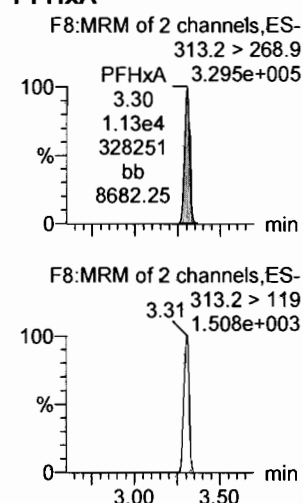
**PFPeA**



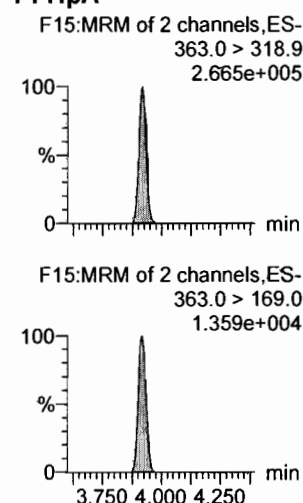
**PFBS**



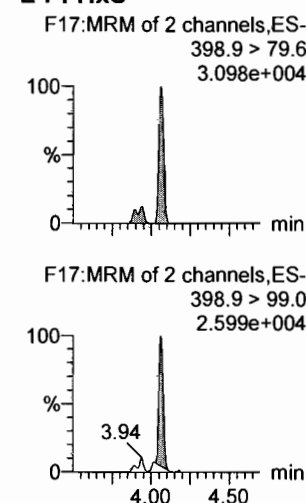
**PFHxA**



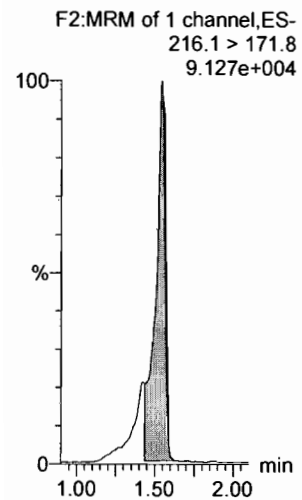
**PFHpA**



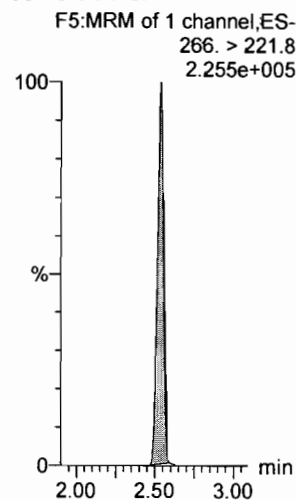
**L-PFHxS**



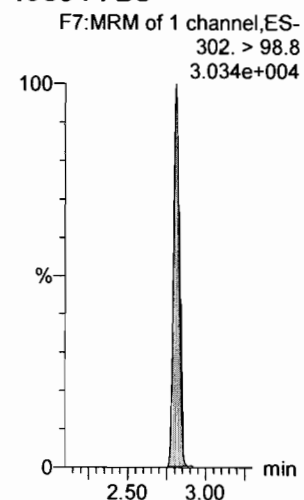
**13C3-PFBA**



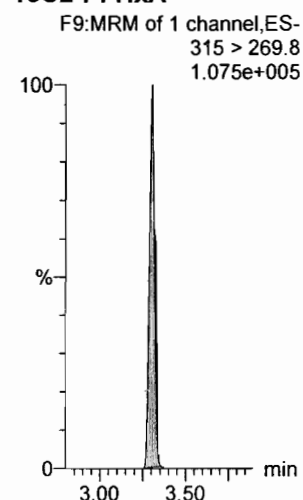
**13C3-PFPeA**



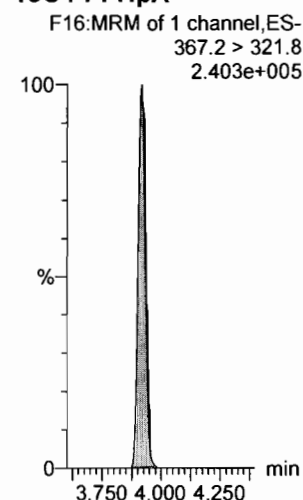
**13C3-PFBS**



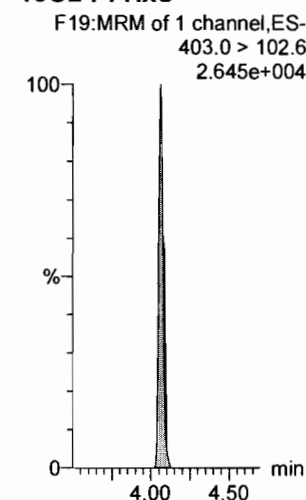
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



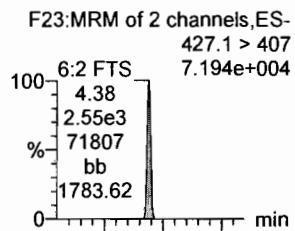
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

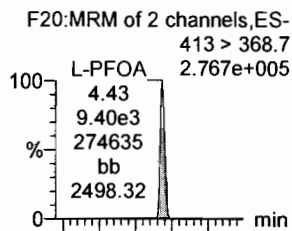
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Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

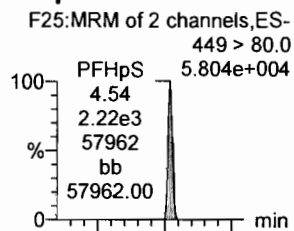
**6:2 FTS**



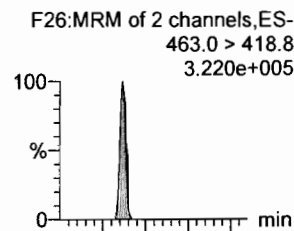
**L-PFOA**



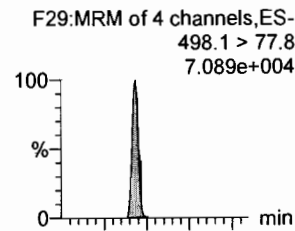
**PFHpS**



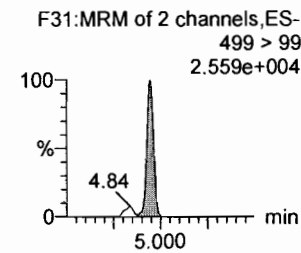
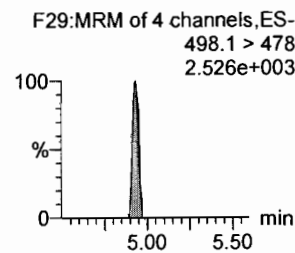
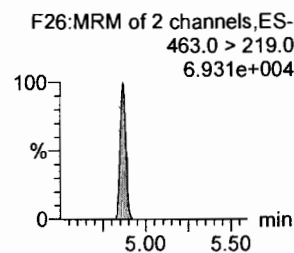
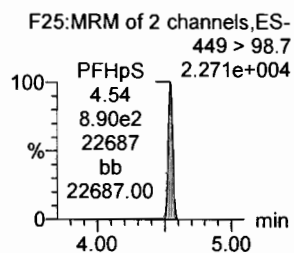
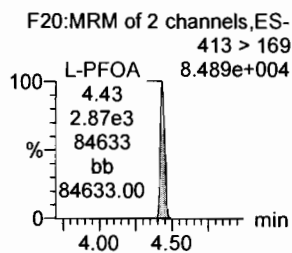
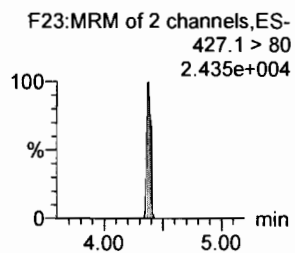
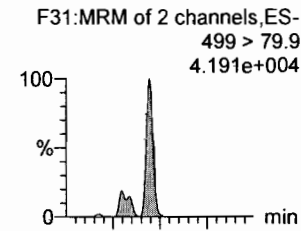
**PFNA**



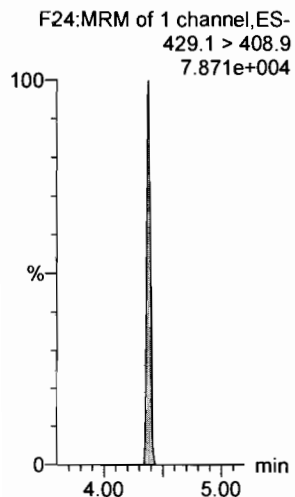
**PFOSA**



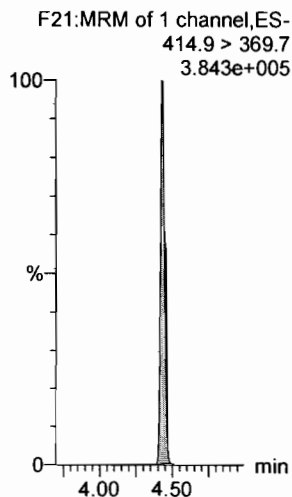
**L-PFOS**



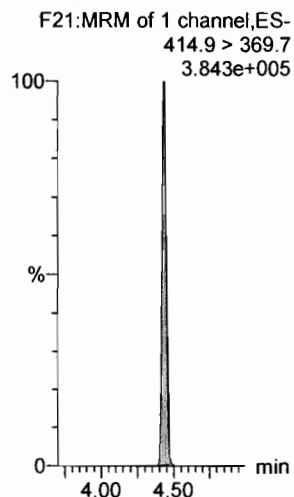
**13C2-6:2 FTS**



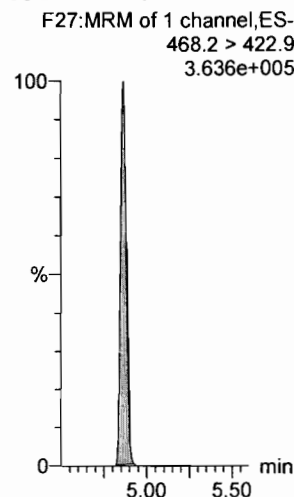
**13C2-PFOA**



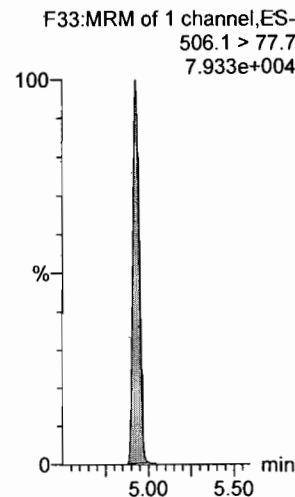
**13C2-PFOA**



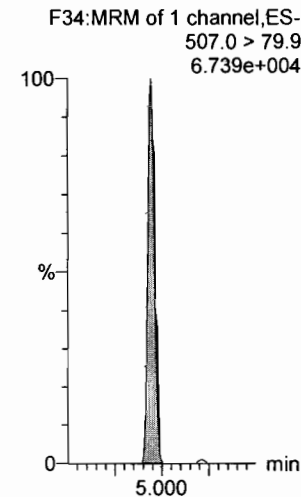
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**





Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

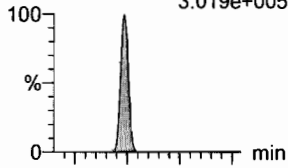
Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 13:04:11 Pacific Daylight Time

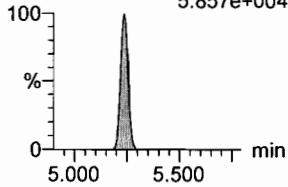
Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

**PFDA**

F36:MRM of 2 channels,ES-  
513 > 468.8  
3.019e+005

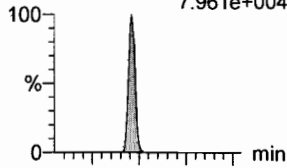


F36:MRM of 2 channels,ES-  
513 > 219  
5.857e+004

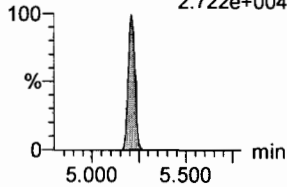


**8:2 FTS**

F41:MRM of 2 channels,ES-  
527 > 506.9  
7.961e+004

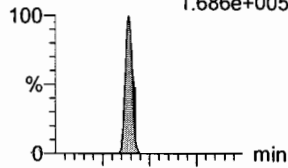


F41:MRM of 2 channels,ES-  
527 > 80  
2.722e+004

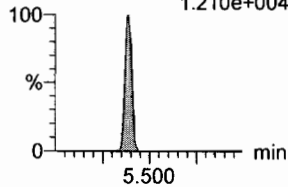


**N-MeFOSAA**

F47:MRM of 2 channels,ES-  
570.1 > 419  
1.686e+005

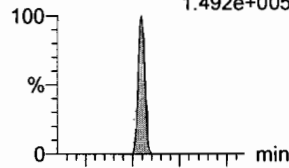


F47:MRM of 2 channels,ES-  
570.1 > 483.0  
1.210e+004

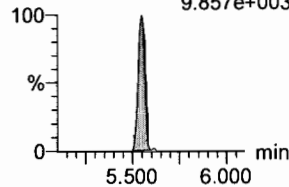


**N-EtFOSAA**

F50:MRM of 2 channels,ES-  
584.2 > 419  
1.492e+005

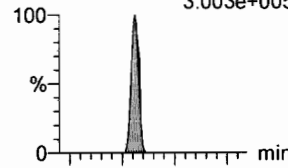


F50:MRM of 2 channels,ES-  
584.2 > 483.0  
9.857e+003

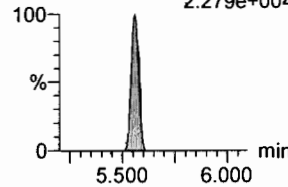


**PFUdA**

F45:MRM of 2 channels,ES-  
563.0 > 518.9  
3.003e+005

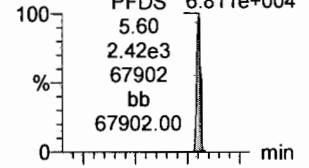


F45:MRM of 2 channels,ES-  
563.0 > 269  
2.279e+004

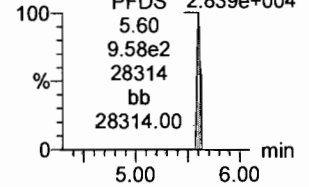


**PFDS**

F52:MRM of 2 channels,ES-  
598.8 > 80  
6.811e+004

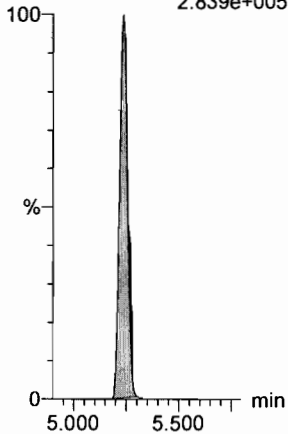


F52:MRM of 2 channels,ES-  
598.8 > 98.7  
2.839e+004



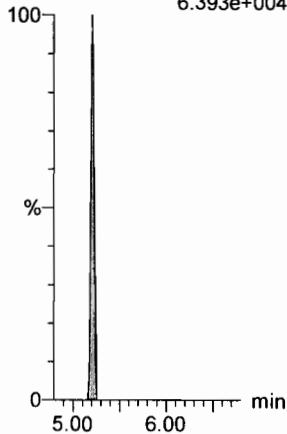
**13C2-PFDA**

F37:MRM of 1 channel,ES-  
515.1 > 469.9  
2.839e+005



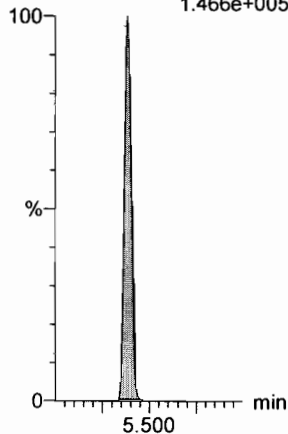
**13C2-8:2 FTS**

F42:MRM of 1 channel,ES-  
529.1 > 508.7  
6.393e+004



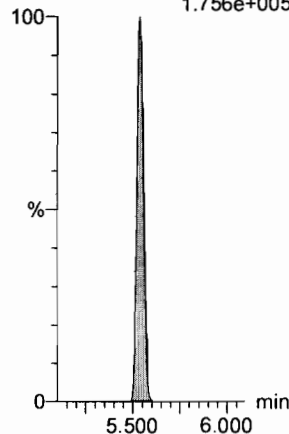
**d3-N-MeFOSAA**

F49:MRM of 1 channel,ES-  
573.3 > 419  
1.466e+005



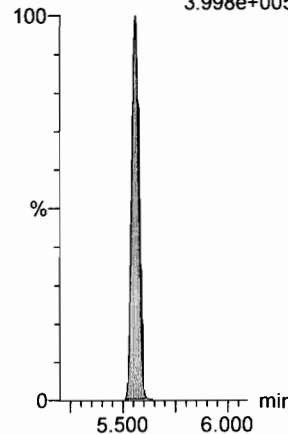
**d5-N-EtFOSAA**

F51:MRM of 1 channel,ES-  
589.3 > 419  
1.756e+005



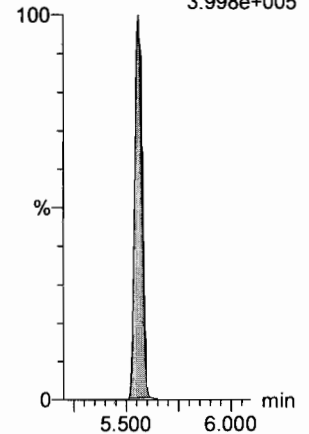
**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.998e+005



**13C2-PFUdA**

F46:MRM of 1 channel,ES-  
565 > 519.8  
3.998e+005



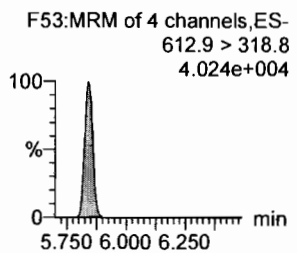
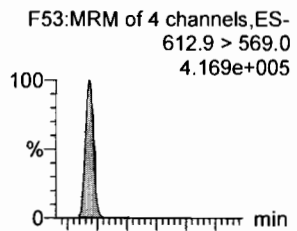
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

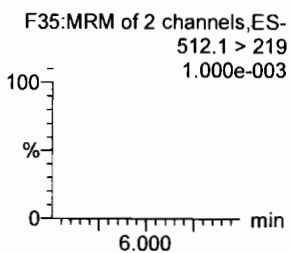
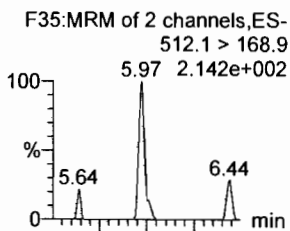
Printed: Tuesday, March 20, 2018 13:04:11 Pacific Daylight Time

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

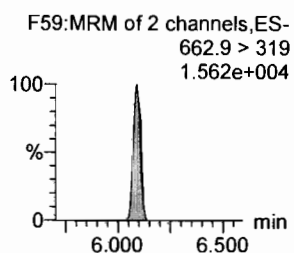
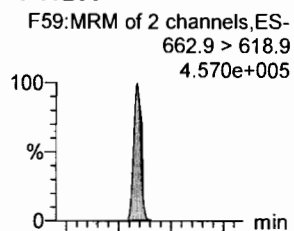
**PFDoA**



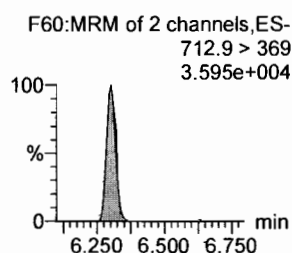
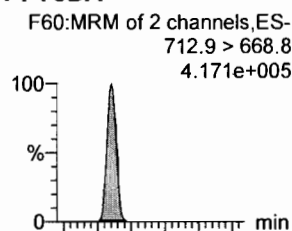
**N-MeFOSA**



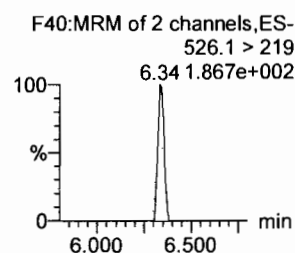
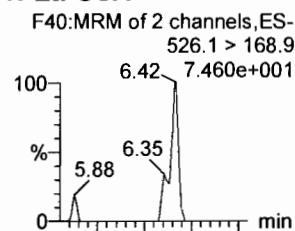
**PFTTrDA**



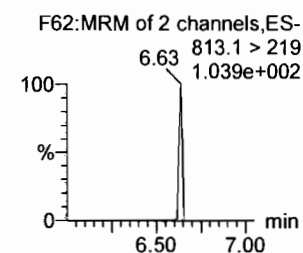
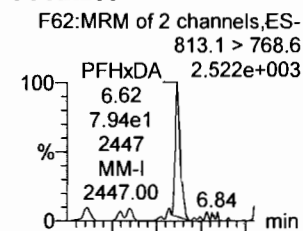
**PFTeDA**



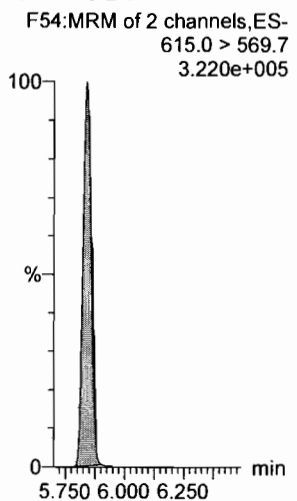
**N-EtFOSA**



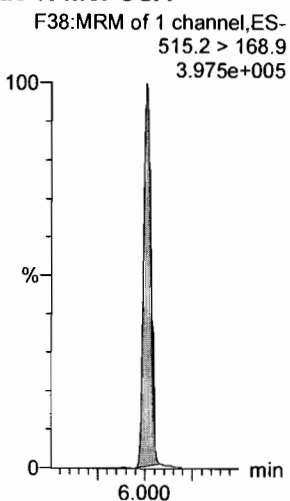
**PFHxDA**



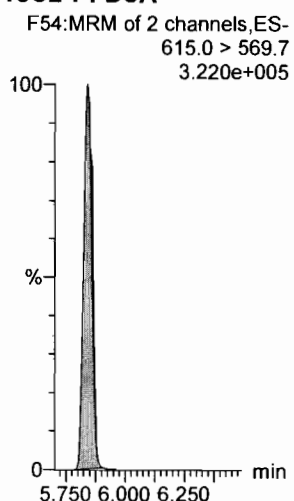
**13C2-PFDoA**



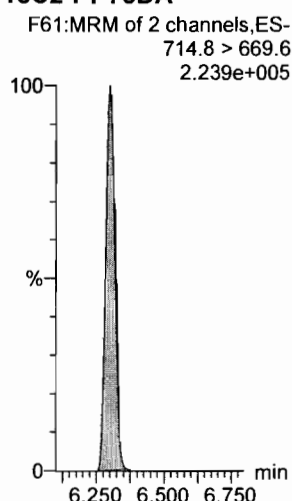
**d3-N-MeFOSA**



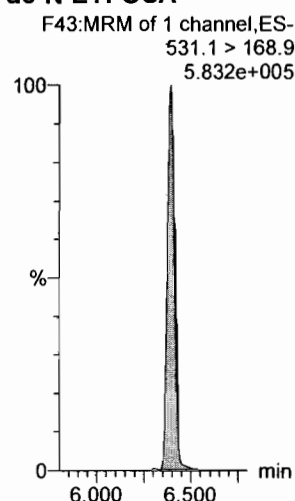
**13C2-PFTTrDA**



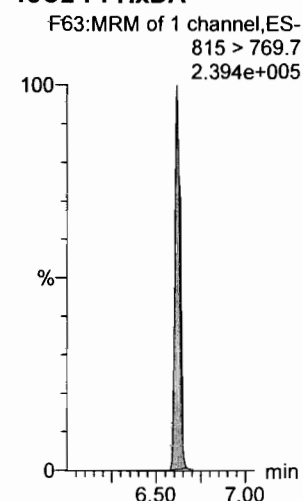
**13C2-PFTeDA**



**d5-N-ETFOSA**



**13C2-PFHxDA**



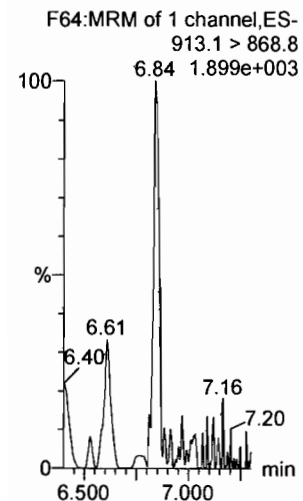
Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

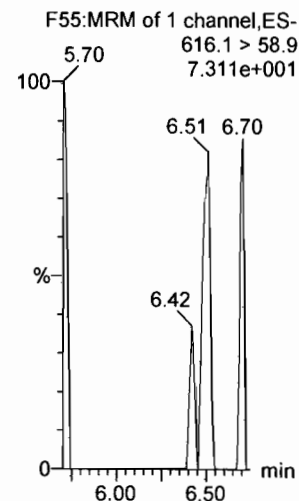
Printed: Tuesday, March 20, 2018 13:04:11 Pacific Daylight Time

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

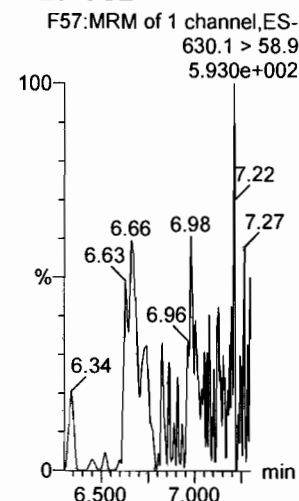
**PFODA**



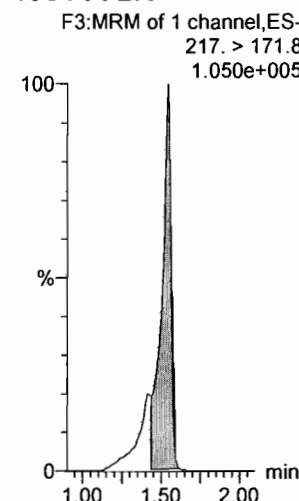
**N-MeFOSE**



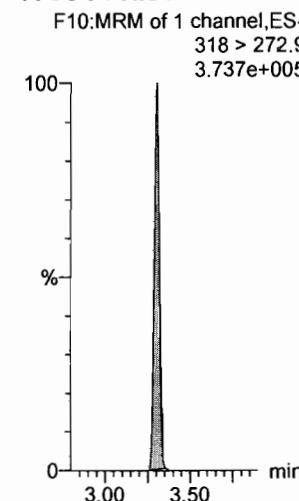
**N-EtFOSE**



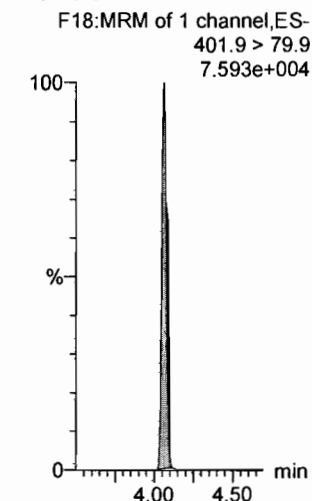
**13C4-PFBA**



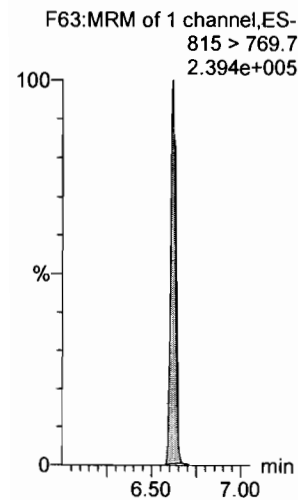
**13C5-PFHxA**



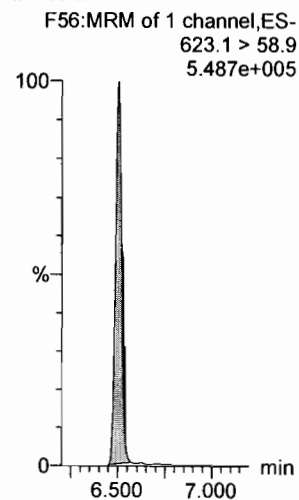
**13C3-PFHxS**



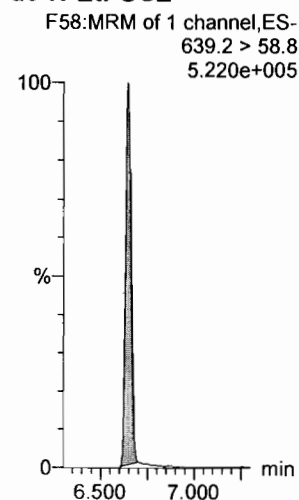
**13C2-PFHxDA**



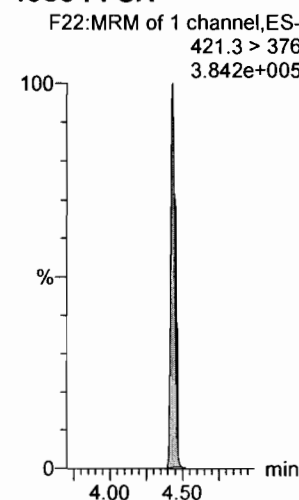
**d7-N-MeFOSE**



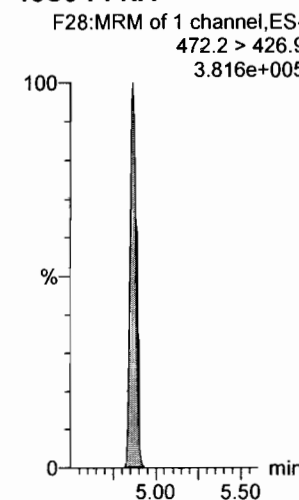
**d9-N-EtFOSE**



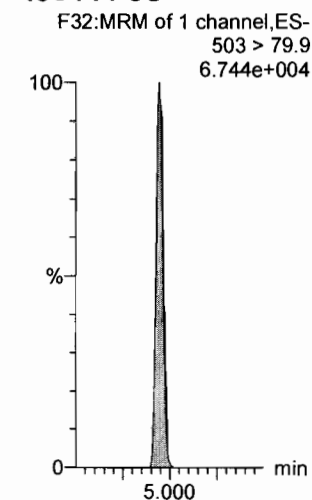
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: F:\Projects\PFAS.PRO\Results\180319M1\180319M1\_13.qld

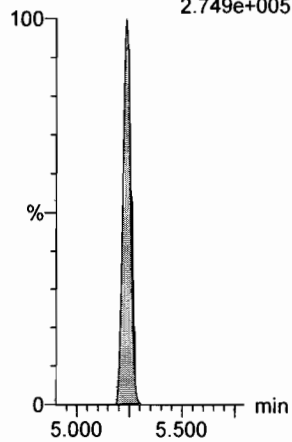
Last Altered: Tuesday, March 20, 2018 13:03:46 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 13:04:11 Pacific Daylight Time

Name: 180319M1\_13, Date: 19-Mar-2018, Time: 21:18:15, ID: ICV180319M1-1 PFC ICV 18C1202, Description: PFC ICV 18C1202

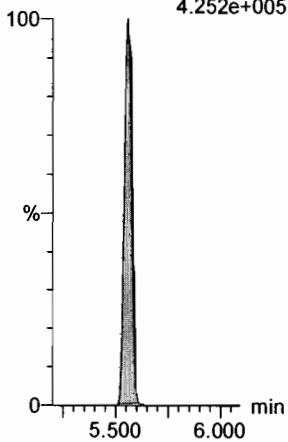
13C6-PFDA

F39:MRM of 1 channel,ES-  
519.1 > 473.7  
2.749e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-  
570.1 > 524.8  
4.252e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

Last Altered: Tuesday, March 20, 2018 12:56:33 Pacific Daylight Time

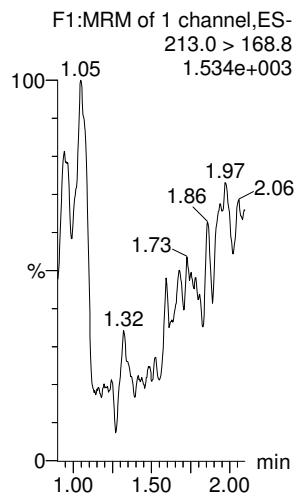
Printed: Tuesday, March 20, 2018 12:56:53 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_031918.mdb 20 Mar 2018 10:04:27

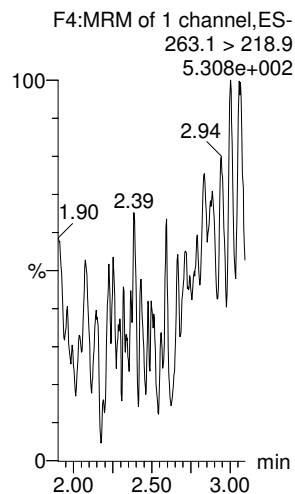
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_03-19-18-FULL.cdb 20 Mar 2018 12:43:27

Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

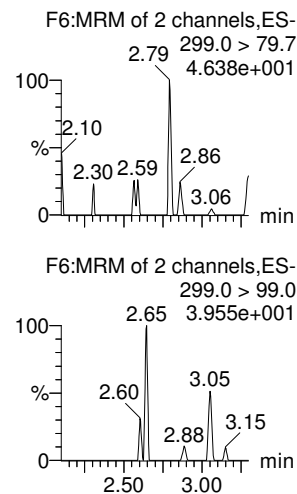
**PFBA**



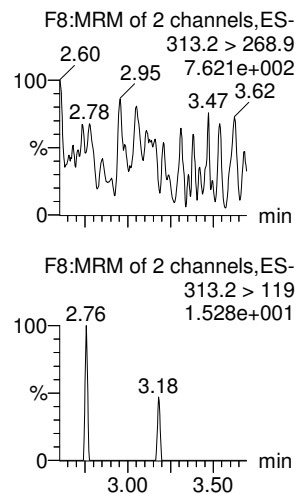
**PFPeA**



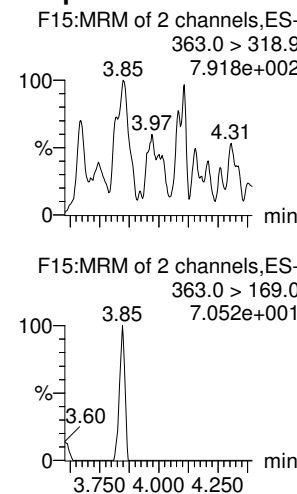
**PFBS**



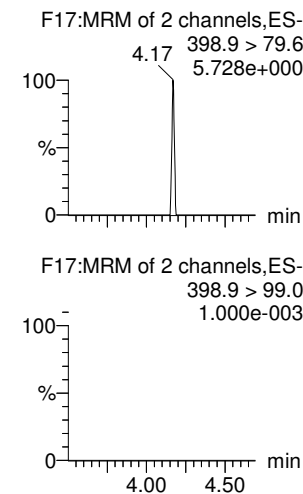
**PFHxA**



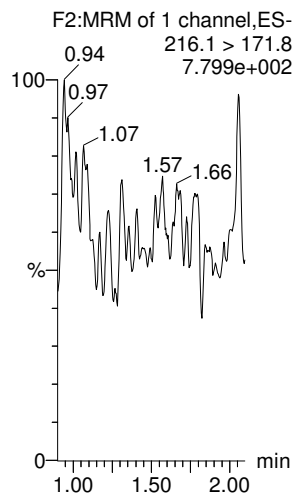
**PFHpA**



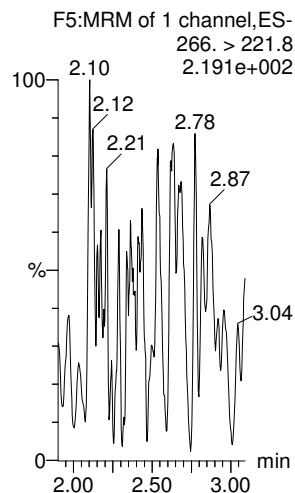
**L-PFHxS**



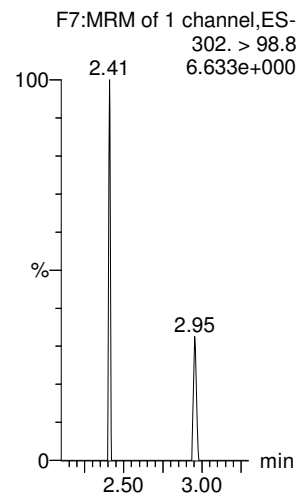
**13C3-PFBA**



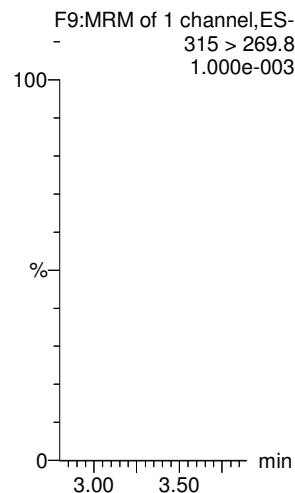
**13C3-PFPeA**



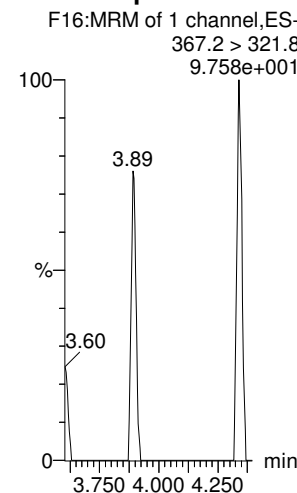
**13C3-PFBS**



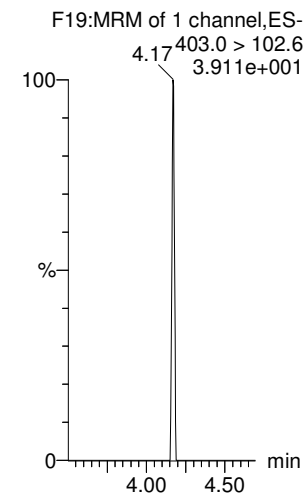
**13C2-PFHxA**



**13C4-PFHpA**



**18O2-PFHxS**



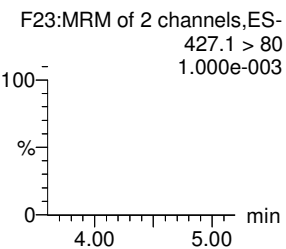
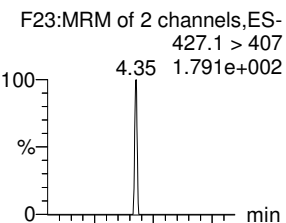
Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

Last Altered: Tuesday, March 20, 2018 12:56:33 Pacific Daylight Time

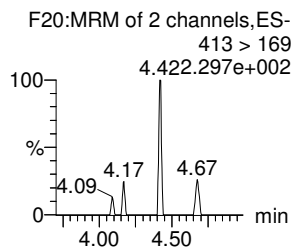
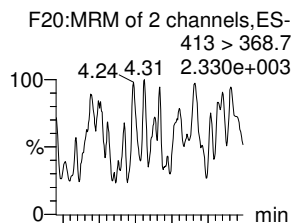
Printed: Tuesday, March 20, 2018 12:56:53 Pacific Daylight Time

Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

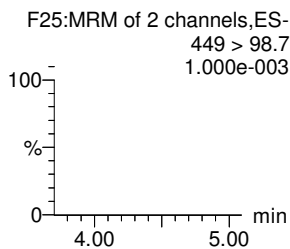
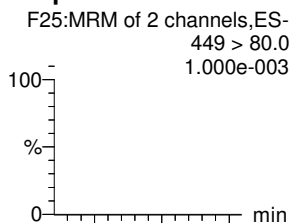
**6:2 FTS**



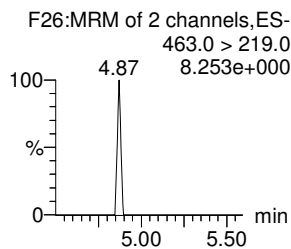
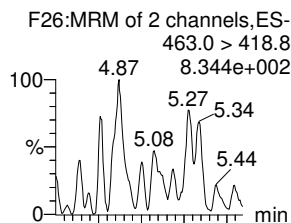
**L-PFOA**



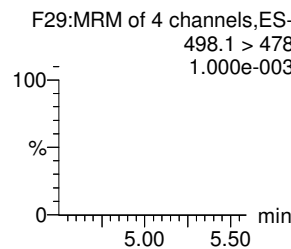
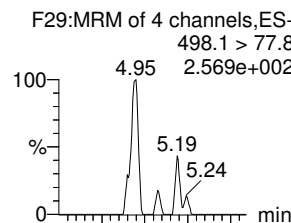
**PFHpS**



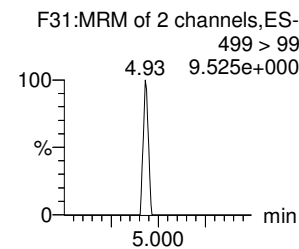
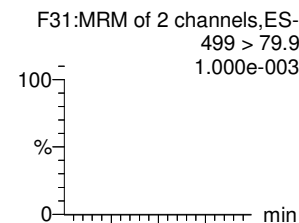
**PFNA**



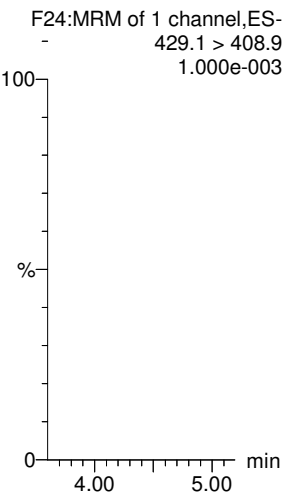
**PFOSA**



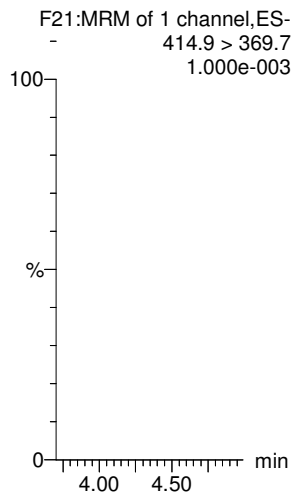
**L-PFOS**



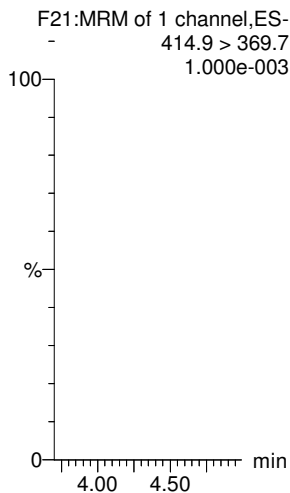
**13C2-6:2 FTS**



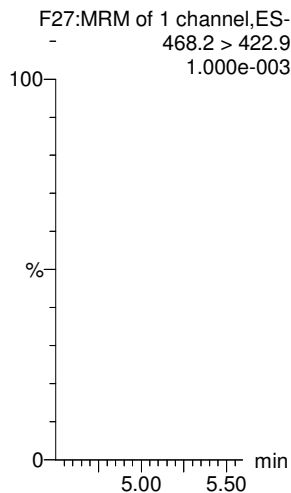
**13C2-PFOA**



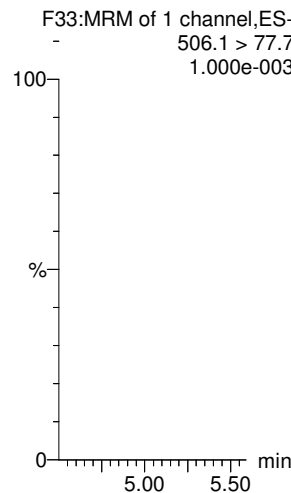
**13C2-PFOA**



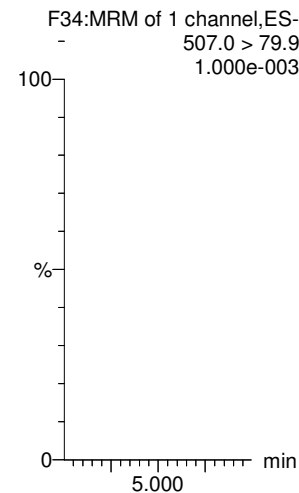
**13C5-PFNA**



**13C8-PFOSA**



**13C8-PFOS**



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

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Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

**PFDA**

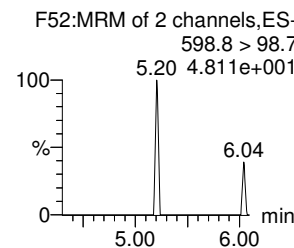
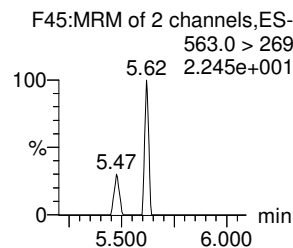
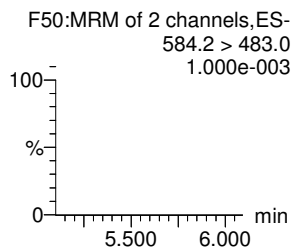
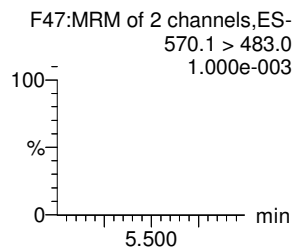
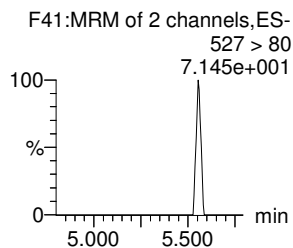
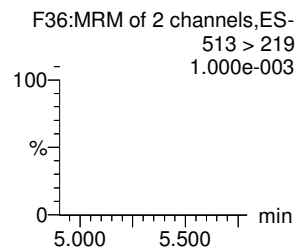
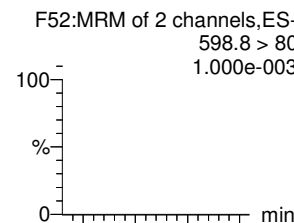
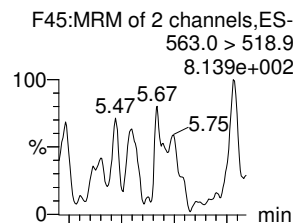
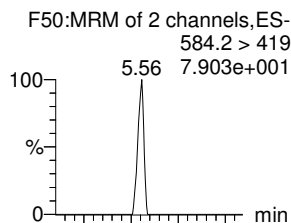
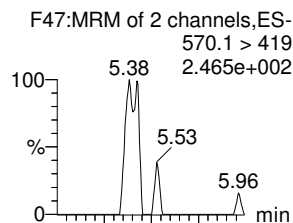
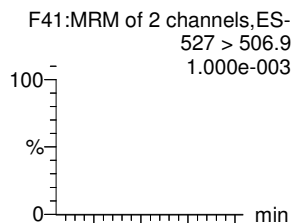
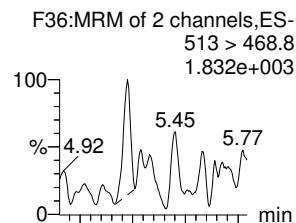
**8:2 FTS**

**N-MeFOSAA**

**N-EtFOSAA**

**PFUdA**

**PFDS**



**13C2-PFDA**

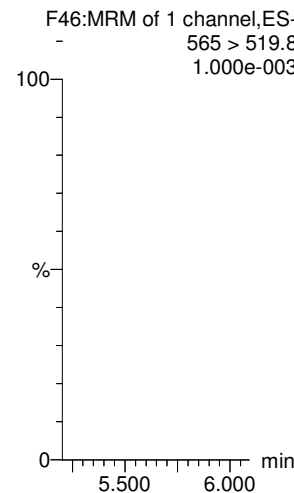
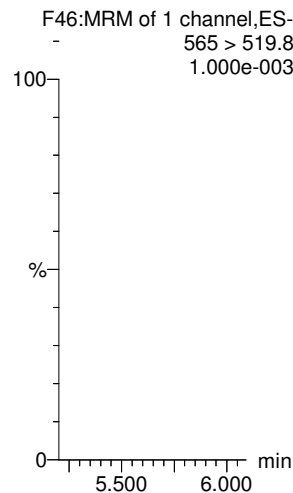
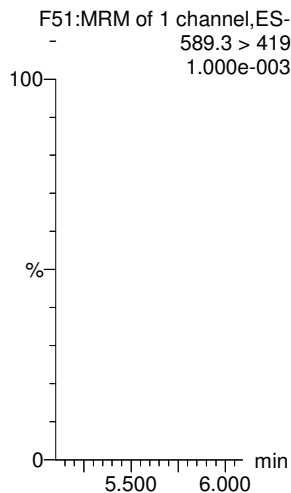
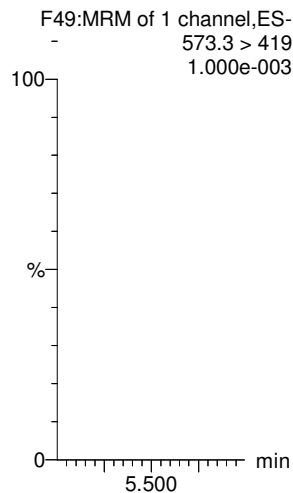
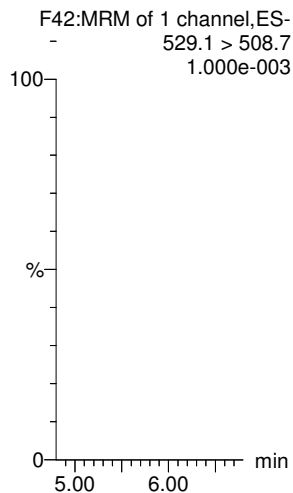
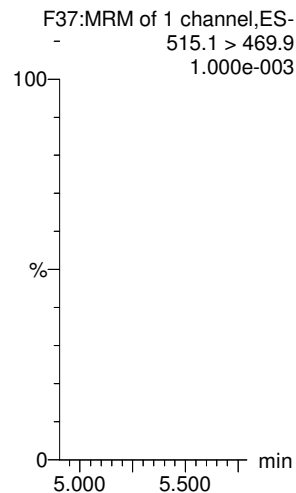
**13C2-8:2 FTS**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUdA**

**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

Last Altered: Tuesday, March 20, 2018 12:56:33 Pacific Daylight Time

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Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

**PFDoA**

**N-MeFOSA**

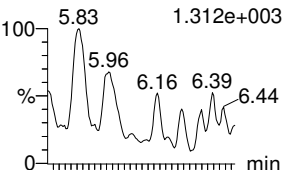
**PFTrDA**

**PFTeDA**

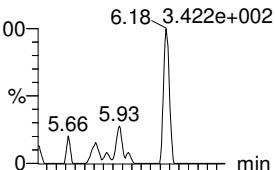
**N-EtFOSA**

**PFHxDA**

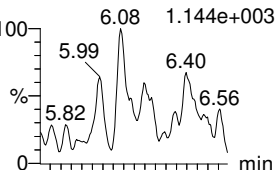
F53:MRM of 4 channels,ES-  
612.9 > 569.0  
1.312e+003



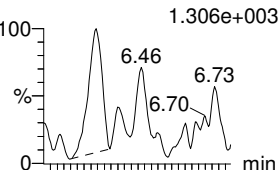
F35:MRM of 2 channels,ES-  
512.1 > 168.9  
3.422e+002



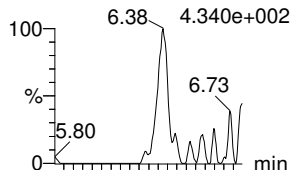
F59:MRM of 2 channels,ES-  
662.9 > 618.9  
1.144e+003



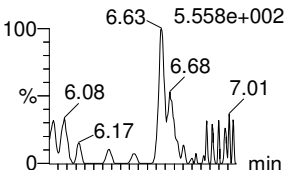
F60:MRM of 2 channels,ES-  
712.9 > 668.8  
1.306e+003



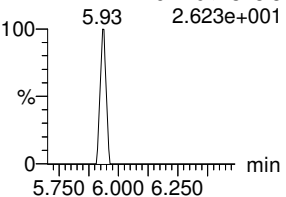
F40:MRM of 2 channels,ES-  
526.1 > 168.9  
4.340e+002



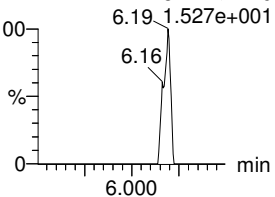
F62:MRM of 2 channels,ES-  
813.1 > 768.6  
5.558e+002



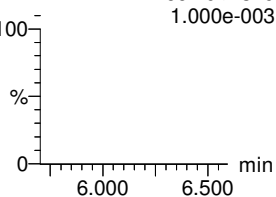
F53:MRM of 4 channels,ES-  
612.9 > 318.8  
2.623e+001



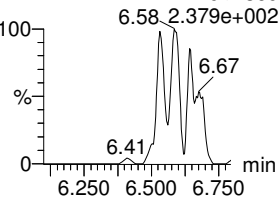
F35:MRM of 2 channels,ES-  
512.1 > 219  
1.527e+001



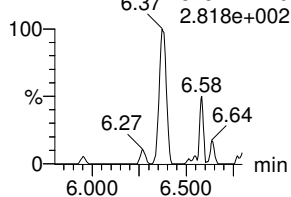
F59:MRM of 2 channels,ES-  
662.9 > 319  
1.000e-003



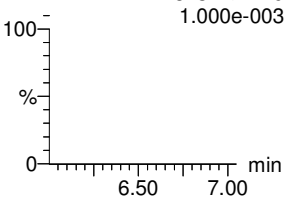
F60:MRM of 2 channels,ES-  
712.9 > 369  
2.379e+002



F40:MRM of 2 channels,ES-  
526.1 > 219  
2.818e+002



F62:MRM of 2 channels,ES-  
813.1 > 219  
1.000e-003



**13C2-PFDoA**

**d3-N-MeFOSA**

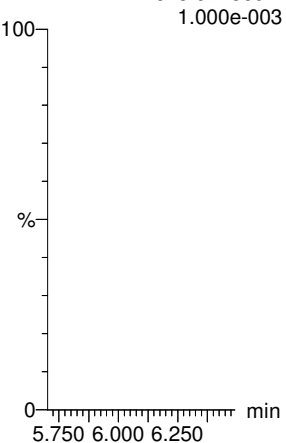
**13C2-PFDoA**

**13C2-PFTeDA**

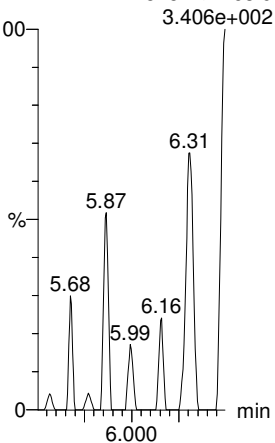
**d5-N-ETFOSA**

**13C2-PFHxDA**

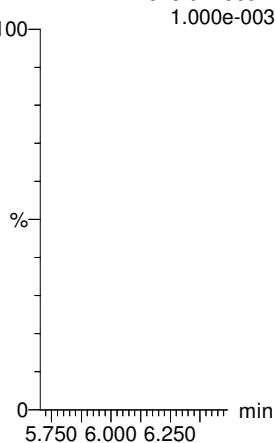
F54:MRM of 2 channels,ES-  
615.0 > 569.7  
1.000e-003



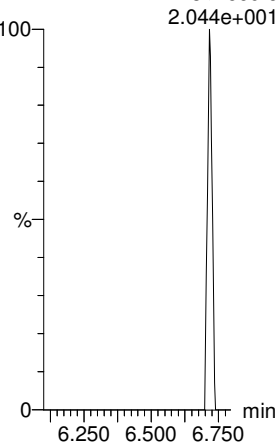
F38:MRM of 1 channel,ES-  
515.2 > 168.9  
3.406e+002



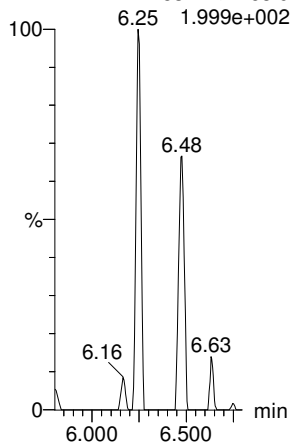
F54:MRM of 2 channels,ES-  
615.0 > 569.7  
1.000e-003



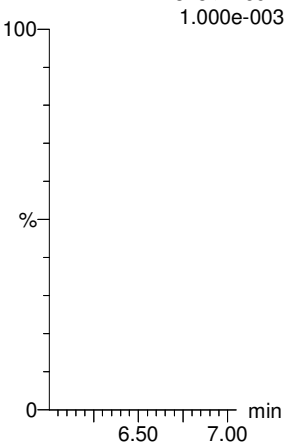
F61:MRM of 2 channels,ES-  
714.8 > 669.6  
2.044e+001



F43:MRM of 1 channel,ES-  
531.1 > 168.9  
1.999e+002



F63:MRM of 1 channel,ES-  
815 > 769.7  
1.000e-003





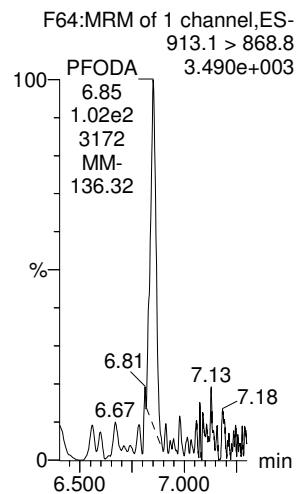
Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

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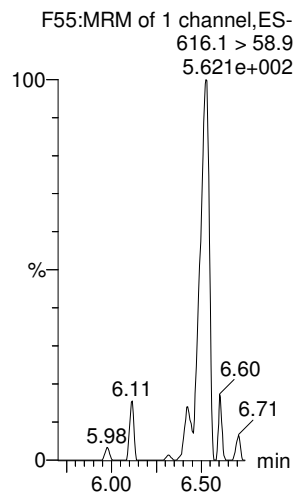
Printed: Tuesday, March 20, 2018 12:56:53 Pacific Daylight Time

Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

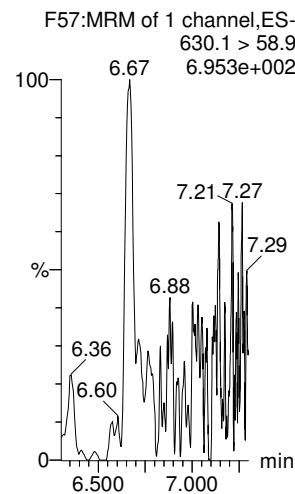
**PFODA**



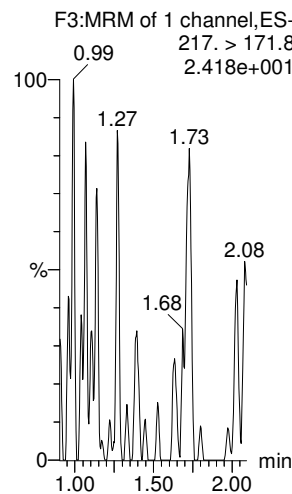
**N-MeFOSE**



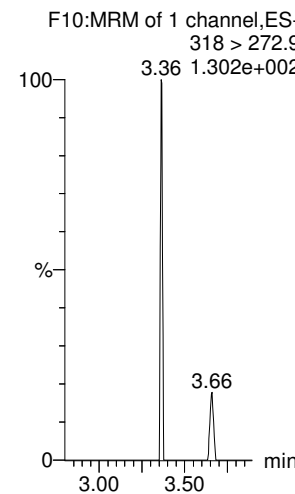
**N-EtFOSE**



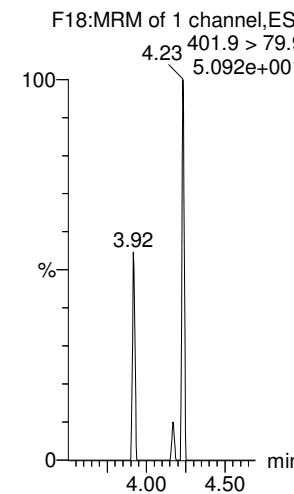
**13C4-PFBA**



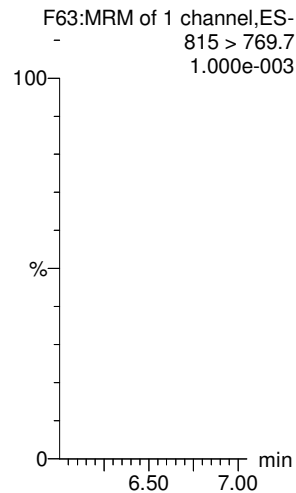
**13C5-PFHxA**



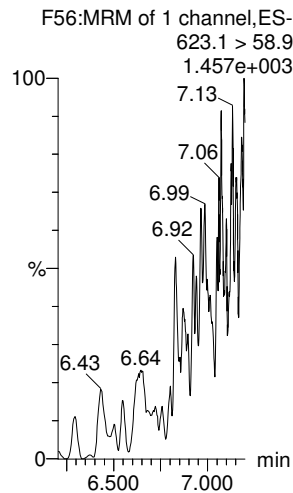
**13C3-PFHxS**



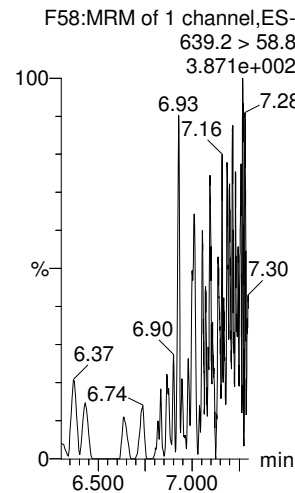
**13C2-PFHxDA**



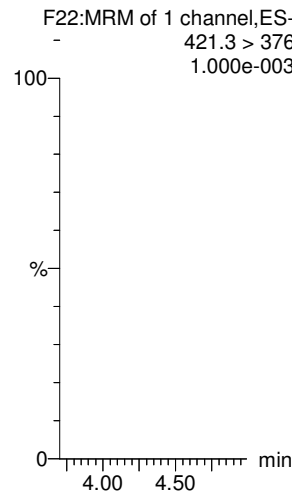
**d7-N-MeFOSE**



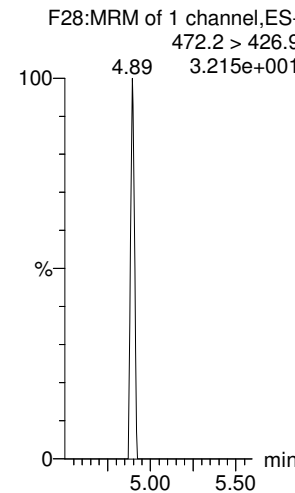
**d9-N-EtFOSE**



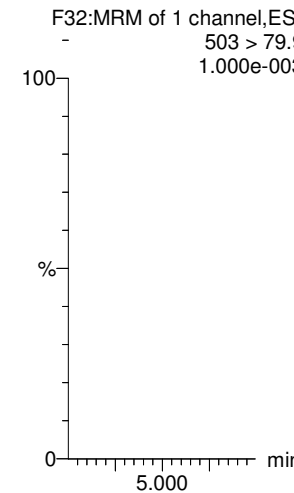
**13C8-PFOA**



**13C9-PFNA**



**13C4-PFOS**



Dataset: Z:\Projects\PFAS.PRO\Results\180319M1\180319M1\_12.qld

Last Altered: Tuesday, March 20, 2018 12:56:33 Pacific Daylight Time

Printed: Tuesday, March 20, 2018 12:56:53 Pacific Daylight Time

Name: 180319M1\_12, Date: 19-Mar-2018, Time: 21:06:45, ID: IPA, Description: IPA

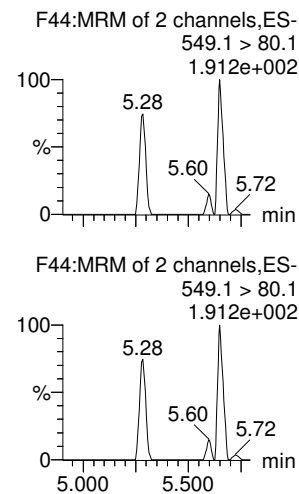
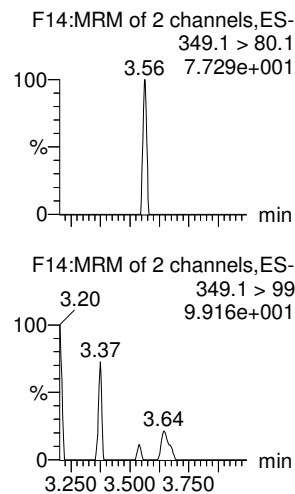
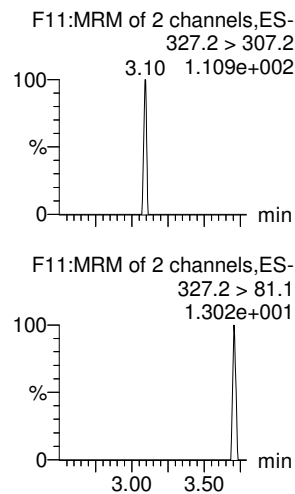
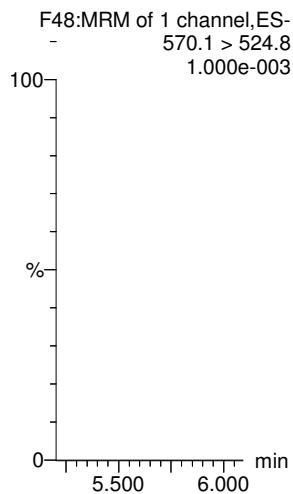
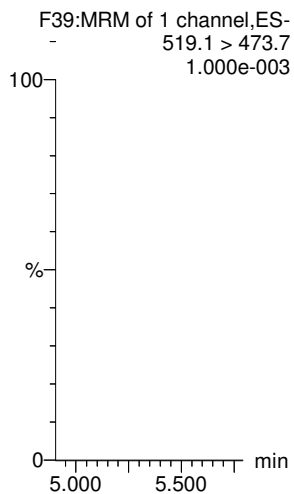
**13C6-PFDA**

**13C7-PFUdA**

**4:2 FTS**

**PFPeS**

**PFNS**









**DATA VALIDATION SUMMARY REPORT  
NAS WHIDBEY ISLAND, WASHINGTON**

Client: CH2M HILL, Inc., Corvallis, Oregon  
 SDG: 1800356  
 Laboratory: Vista Analytical Laboratory, El Dorado Hills, California  
 Site: NAS Whidbey Island, Ault Field, CTO-4041, Washington  
 Date: May 30, 2018

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	WI-AF-SB-FB-022018	1800356-01	Water
2	WI-AF-EB11-SO-0218	1800356-02	Water
3	WI-AF-SB611-OH01-0218	1800356-03	Soil
4	WI-AF-SB611-0103-0218	1800356-04	Soil
5	WI-AF-SB611P-0103-0218	1800356-05	Soil
6	WI-AF-SB611-1213-0218	1800356-06	Soil

A full data validation was performed on the analytical data for four soil samples, one aqueous field blank sample, and one aqueous equipment blank sample collected on February 20, 2018 by CH2M HILL at the NAS Whidbey Island Ault Field site in Washington. The samples were analyzed under the EPA Method “Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)”.

Specific method references are as follows:

Analysis

PFCs (Soil)  
 PFCs (Water)

Method References

VAL Method PFAS  
 USEPA Method 537 Modified

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method, the Final Sampling and Analysis Plan Phase I Site Investigation for Per- and Polyfluoroalkyl Substances in Soil and Groundwater Ault Field, February 2018, and the USEPA National Functional Guidelines for Organic Data Review as follows:

- The USEPA “Contract Laboratories Program National Functional Guidelines for Organic Superfund Methods Data Review,” January 2017;
- and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

**Organics**

- Date Completeness, Case Narrative & Custody Documentation

- Holding times
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

A full (Level IV) data validation was performed with this review including a recalculation of 10% of the detected results in the samples.

### Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### Perfluorinated Compounds (PFCs)

### Data Completeness, Case Narrative & Custody Documentation

- The case narrative and chain-of-custody documentation were included in the data package as required. All criteria were met.

### Holding Times

- All water samples were extracted within 14 days and analyzed within 28 days, and all soil samples were extracted within 28 days and analyzed within 30 days except for the following.

EDS Sample ID	Date Collected	Date Extracted	Compound	# Days	Qualifier
1	02/20/18	03/19/18	PFDOA	27	UJ
2	02/20/18	03/19/18	PFDOA	27	UJ

### LC/MS Tuning

- All criteria were met.

### Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

### Continuing Calibration

- All percent difference (%D) and RRF criteria were met.

### Method Blank

- The method blanks were free of contamination.

### Field QC Blank

- Field QC samples were free of contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
WI-AF-SB-FB-022018	None - ND	-	-	-
WI-AF-EB11-SO-0218	None - ND	-	-	-

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria except for the following.

EDS Sample ID	Compound	%R	Qualifier
3	13C3-PFBS	47.6%	UJ - Associated Cmpd
	18O2-PFHxS	49.2%	UJ - Associated Cmpd



**Target Compound Identification**

- All mass spectra and quantitation criteria were met.

**Compound Quantitation**

- All criteria were met.

**Field Duplicate Sample Precision**

- Field duplicate results are summarized below. The precision was acceptable.

Compound	WI-AF-SB611-0103-0218 ng/g	WI-AF-SB611P-0103-0218 ng/g	RPD	Qualifier
None	ND	ND	-	-

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:  Dated: 6/1/18  
Nancy Weaver  
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Sample ID: WI-AF-SB-FB-022018**

**Modified EPA Method 537**

Client Data		Laboratory Data	
Name: CH2M Hill	Matrix: Aqueous	Lab Sample: 1800356-01	Column: BEH C18
Project: NAS WI-AULT FIELD	Date Collected: 20-Feb-18 10:50	Date Received: 23-Feb-18 09:35	

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxA	ND	2.32	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHpA	ND	0.629	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFHxS	ND	1.01	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOA	ND	0.692	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFOS	ND	0.858	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFNA	ND	0.861	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDA	ND	1.58	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
MeFOSAA	ND	1.75	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PfUnA	ND	1.12	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
EtFOSAA	ND	1.46	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFDaA	ND	0.902	5.68	9.11		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1
PFTrDA	ND	0.525	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
PFTeDA	ND	0.803	5.30	8.51		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1
<b>Labeled Standards</b>	<b>Type</b>	<b>% Recovery</b>	<b>Limits</b>	<b>Qualifiers</b>	<b>Batch</b>	<b>Extracted</b>	<b>Samp Size</b>	<b>Analyzed</b>	<b>Dilution</b>	
13C3-PFBS	IS	108	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C2-PFHxA	IS	89.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C4-PFHpA	IS	97.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
18O2-PFHxS	IS	89.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C2-PFOA	IS	91.1	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C8-PFOS	IS	81.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C5-PFNA	IS	71.5	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C2-PFDA	IS	73.4	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
d3-MeFOSAA	IS	76.3	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C2-PFUnA	IS	78.0	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
d5-EtFOSAA	IS	82.9	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	
13C2-PFDaA	IS	58.4	50 - 150		B8C0111	19-Mar-18	0.110 L	20-Mar-18 16:56	1	
13C2-PFTeDA	IS	99.2	50 - 150		B8B0163	28-Feb-18	0.118 L	08-Mar-18 10:45	1	

DL - Detection Limit  
 LOD - Limit of Detection  
 LOQ - Limit of Quantitation  
 LCL-UCL - Lower control limit - upper control limit  
 Results reported to the DL  
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers  
 Only the linear isomer is reported for all other analytes

NW 513018

**Sample ID: WI-AF-EB11-SO-0218**

**Modified EPA Method 537**

<b>Client Data</b>		<b>Laboratory Data</b>	
Name: CH2M Hill	Matrix: Aqueous	Lab Sample: 1800356-02	Column: BEH C18
Project: NAS WI-AULT FIELD	Date Collected: 20-Feb-18 11:00	Date Received: 23-Feb-18 09:35	

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.87	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFHxA	ND	2.28	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFHpA	ND	0.617	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFHxS	ND	0.989	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFOA	ND	0.680	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFOS	ND	0.843	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFNA	ND	0.846	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFDA	ND	1.56	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
MeFOSAA	ND	1.72	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFUnA	ND	1.10	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
EFOSAA	ND	1.43	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFDoA	ND <i>u J</i>	0.845	5.34	8.54		B8C0111	19-Mar-18	0.117 L	20-Mar-18 17:07	I
PFTtDA	ND	0.516	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
PFTeDA	ND	0.789	5.21	8.36		B8B0163	28-Feb-18	0.120 L	08-Mar-18 10:57	I
<b>Labeled Standards</b>	<b>% Recovery</b>	<b>Limits</b>	<b>Extracted</b>	<b>Samp Size</b>	<b>Dilution</b>					
13C3-PFBS	102	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C2-PFHxA	95.5	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C4-PFHpA	93.8	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
18O2-PFHxS	92.1	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C2-PFOA	95.8	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C8-PFOS	102	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C5-PFNA	86.9	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C2-PFDA	76.7	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
d3-MeFOSAA	70.5	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C2-PFUnA	75.5	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
d5-BIFOSAA	62.3	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					
13C2-PFD0A	73.4	50 - 150	19-Mar-18	0.117 L	20-Mar-18 17:07					
13C2-PFTeDA	122	50 - 150	28-Feb-18	0.120 L	08-Mar-18 10:57					

DL - Detection Limit  
 LOD - Limit of Detection  
 LOQ - Limit of Quantitation  
 LCL-UCL - Lower control limit - upper control limit  
 Results reported to the DL  
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers  
 Only the linear isomer is reported for all other analytes

*new 51301.8*

Sample ID: WI-AF-SB611-0H01-0218

VAL - PFAS

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1800356-03	Column:	BEH C18					
Project:	NAS W1-AULT FIELD	Date Received:	23-Feb-18 09:35							
		Matrix:	Soil							
		Date Collected:	20-Feb-18 10:55							
		% Solids:	86.2							
Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND <i>uJ</i>	0.397	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxA	ND	0.222	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHpA	ND	0.224	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFHxS	ND <i>uJ</i>	0.339	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOA	ND	0.258	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFOs	ND	0.925	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFNA	ND	0.195	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDA	ND	0.280	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
MeFOSAA	ND	0.331	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFUnA	ND	0.388	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
EtFOSAA	ND	0.351	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFDoA	ND	0.302	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTeDA	ND	0.134	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
PFTeDA	ND	0.217	1.09	2.19		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
I3C3-PFBS	IS	47.6	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFHxA	IS	60.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C4-PFHpA	IS	61.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I8O2-PFHxS	IS	49.2	50 - 150	H	B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFOA	IS	68.4	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C8-PFOS	IS	72.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C5-PFNA	IS	67.6	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFDA	IS	63.1	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
d3-MeFOSAA	IS	59.9	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFUnA	IS	73.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
d5-EtFOSAA	IS	74.2	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFDoA	IS	79.8	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	
I3C2-PFTeDA	IS	75.0	50 - 150		B8B0151	27-Feb-18	1.06 g	08-Mar-18 06:09	1	

DL - Detection Limit  
 LOD - Limit of Detection  
 LOQ - Limit of Quantitation

LCL-UCL- Lower control limit - upper control limit  
 The results are reported in dry weight  
 The sample size is reported in wet weight  
 Results reported to the DL.

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

ISL

ISL

NW S/301.8

**Sample ID: W1-AF-SB611-0103-0218**

**VAL - PFAS**

Client Data		Laboratory Data				Matrix:		Soil		Date Collected:		Date Received:		Column:	
Name:	CH2M Hill	Lab Sample:	1800356-04	Batch	27-Feb-18	Samp Size	1.07 g	Analyzed	08-Mar-18	Dilution	1	1.07 g	08-Mar-18	06:21	1
Project:	NAS W1-AULT FIELD	Date Received:	23-Feb-18 09:35	Batch	27-Feb-18	Samp Size	1.07 g	Analyzed	08-Mar-18	Dilution	1	1.07 g	08-Mar-18	06:21	1
		% Solids:	94.0	Batch	27-Feb-18	Samp Size	1.07 g	Analyzed	08-Mar-18	Dilution	1	1.07 g	08-Mar-18	06:21	1
Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution					
PFBS	ND	0.361	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFHxA	ND	0.202	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFHpA	ND	0.204	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFHxS	ND	0.308	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFOA	ND	0.235	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFOS	ND	0.841	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFNA	ND	0.177	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFDA	ND	0.255	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
MeFOSAA	ND	0.300	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFUnA	ND	0.352	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
EtFOSAA	ND	0.319	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFDoA	ND	0.275	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFTTrDA	ND	0.121	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
PFTeDA	ND	0.197	0.995	1.99		B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
Labeled Standards	% Recovery	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution					
13C3-PFBS	104		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFHxA	90.4		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C4-PFHpA	91.0		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
18O2-PFHxS	86.7		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFOA	80.3		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C8-PFOS	88.2		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C5-PFNA	84.5		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFDA	79.6		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
d3-MeFOSAA	66.4		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFUnA	70.1		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
d5-EtFOSAA	78.7		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFDoA	66.9		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1
13C2-PFTeDA	66.1		50 - 150			B8B0151	27-Feb-18	1.07 g	08-Mar-18	06:21	1	1.07 g	08-Mar-18	06:21	1

LOD - Limit of Detection  
 LOQ - Limit of Quantitation  
 LCL-UCL - Lower control limit - upper control limit  
 The results are reported in dry weight  
 The sample size is reported in wet weight  
 Results reported to the DL  
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers  
 Only the linear isomer is reported for all other analytes

*MS/301.8*



**Sample ID: WI-AF-SB611P-0103-0218**

**VAL - PFAS**

<b>Client Data</b>		<b>Laboratory Data</b>	
Name: CH2M Hill	Matrix: Soil	Lab Sample: 1800356-05	Column: BEH C18
Project: NAS W1-AULT FIELD	Date Collected: 20-Feb-18 11:10	Date Received: 23-Feb-18 09:35	
		% Solids: 93.6	

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	% Recovery	
											Limits	Qualifiers
PFBS	ND	0.334	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFHxA	ND	0.187	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFHpA	ND	0.189	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFHxS	ND	0.286	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFOA	ND	0.217	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFOS	ND	0.778	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFNA	ND	0.164	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFDA	ND	0.236	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
MeFOSAA	ND	0.278	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFUnA	ND	0.326	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
EtFOSAA	ND	0.296	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFDoA	ND	0.254	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFTtDA	ND	0.112	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
PFTeDA	ND	0.182	0.921	1.84		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1		
<b>Labeled Standards</b>	<b>Type</b>	<b>% Recovery</b>	<b>Limits</b>	<b>Qualifiers</b>	<b>Batch</b>	<b>Extracted</b>	<b>Samp Size</b>	<b>Analyzed</b>	<b>Dilution</b>			
13C3-PFBS	IS	103	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFHxA	IS	86.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C4-PFHpA	IS	87.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
18O2-PFHxS	IS	88.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFOA	IS	76.7	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C8-PFOS	IS	88.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C5-PFNA	IS	79.6	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFDA	IS	101	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
d3-MeFOSAA	IS	76.2	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFUnA	IS	78.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
d5-EtFOSAA	IS	87.8	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFDoA	IS	77.3	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			
13C2-PFTeDA	IS	70.9	50 - 150		B8B0151	27-Feb-18	1.16 g	08-Mar-18 06:32	1			

DL - Detection Limit  
 LOD - Limit of Detection  
 LOQ - Limit of Quantitation  
 LCL-UCL - Lower control limit - upper control limit  
 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to the DL.

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

*mw 5130.1.8*



**Sample ID: WI-AF-SB611-1213-0218**

**VAL - PFAS**

<b>Client Data</b>		<b>Laboratory Data</b>	
Name: CH2M Hill	Matrix: Soil	Lab Sample: 1800356-06	Column: BEH C18
Project: NAS WI-AULT FIELD	Date Collected: 20-Feb-18 14:15	Date Received: 23-Feb-18 09:35	
		% Solids: 88.2	

Analyte	Conc. (ng/g)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.374	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxA	ND	0.209	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHpA	ND	0.211	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFHxS	ND	0.319	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOA	ND	0.243	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFOS	ND	0.871	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFNA	ND	0.183	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDA	ND	0.264	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
MeFOSAA	ND	0.311	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFUnA	ND	0.365	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
EtFOSAA	ND	0.331	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFDoA	ND	0.284	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTtDA	ND	0.126	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
PFTeDA	ND	0.204	1.03	2.06		B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1
Labeled Standards	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	111	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFHxA	95.0	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C4-PFHpA	96.4	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
18O2-PFHxS	94.7	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFOA	86.6	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C8-PFOS	96.3	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C5-PFNA	95.4	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFDA	84.5	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
d3-MeFOSAA	82.0	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFUnA	67.2	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
d5-EtFOSAA	88.8	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFDoA	76.0	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	
13C2-PFTeDA	72.8	50 - 150			B8B0151	27-Feb-18	1.10 g	08-Mar-18 06:44	1	

DL - Detection Limit  
 LOD - Limit of Detection  
 LOQ - Limit of quantitation  
 LCL-UCL - Lower control limit - upper control limit  
 The results are reported in dry weight  
 The sample size is reported in wet weight  
 Results reported to the DL

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

aws/30618





LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	SAMPLE_MATRIX_DESC	SAMPLE_NAME	SAMPLE_MATRIX	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds
WI-AF-MW-611	AREA 31 - RUNWAY FIRE SCHOOL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1800356	1203629. 96	494569.6 1	Sub-surface soil (> 6)	WI-AF-SB611- 1213-0218	SBS	20-Feb-18	Perfluoroalkyl Compounds