



**Drinking Water/Groundwater Sample Results,  
Level 4 Laboratory Report, Electronic Data  
Deliverable, Data Validation Report, Sample Location  
Report, SDG 1802055**

*NAS*  
*Chase Field TX*  
December 2020

August 21, 2018

**Vista Work Order No. 1802055**

Ms. Nia Nikmanesh  
KMEA  
2423 Hoover Avenue  
National City, CA 91950

Dear Ms. Nikmanesh,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 27, 2018 under your Project Name 'Chase Field / 5026167008'.

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. 1802055**

### **Case Narrative**

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

Seventeen water 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. As requested, the field blank samples were extracted and held. The field blanks associated with samples with positive detections were analyzed.

#### **Analytical Notes:**

##### **PFAS Isotope Dilution Method**

Sample "Shooting Range 1-DW-072518" contained particulate and were centrifuged prior to extraction.

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

##### **Holding Times**

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

##### **Quality Control**

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

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

As requested, an MS/MSD was performed on sample "Lupes House-DW-072518". The MS/MSD recoveries and RPDs were within the acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

## QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1802055-03	Shop Pasture-DW-072518	PFAS Isotope Dilution Method	13C3-PFBS	H	151
1802055-03	Shop Pasture-DW-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	46.4
1802055-07	Lupes House-DW-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	46.9
1802055-09	Charlies-DW-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	39.6
1802055-13	Charlies Pasture-DW-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	45.2
1802055-14	Charlies Pasture-FB-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	41.9
1802055-15	Shooting Range 1-DW-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	45.8
1802055-16	Shooting Range 1-FB-072518	PFAS Isotope Dilution Method	13C8-PFOA	H	43.1
1802055-17	DUP-1	PFAS Isotope Dilution Method	13C8-PFOA	H	23.8

H = Recovery was outside laboratory acceptance criteria.



## TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	4
Sample Inventory.....	5
Analytical Results.....	6
Qualifiers.....	23
Certifications.....	24
Sample Receipt.....	25
Extraction Information.....	28
Sample Data - PFAS Isotope Dilution Method.....	33
IIS Areas, IBs and CCVs.....	160
ICAL with ICV and IB.....	214

# Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1802055-01	Clarks-DW-072518	25-Jul-18 09:28	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-02	Clarks-FB-072518	25-Jul-18 09:30	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-03	Shop Pasture-DW-072518	25-Jul-18 10:45	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-04	Shop Pasture-FB-072518	25-Jul-18 10:47	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-05	Welder HQ-DW-072518	25-Jul-18 11:18	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-06	Welder HQ-FB-072518	25-Jul-18 11:20	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-07	Lupes House-DW-072518	MS/MSD25-Jul-18 11:41	27-Jul-18 10:04	HDPE Bottle, 250 mL HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1802055-08	Lupes House-FB-072518	25-Jul-18 11:43	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-09	Charlies-DW-072518	25-Jul-18 12:07	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-10	Charlies-FB-072518	25-Jul-18 12:09	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-11	Hortzendorf-DW-072518	25-Jul-18 13:29	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-12	Hortzendorf-FB-072518	25-Jul-18 13:31	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-13	Charlies Pasture-DW-072518	25-Jul-18 13:46	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-14	Charlies Pasture-FB-072518	25-Jul-18 13:48	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-15	Shooting Range 1-DW-072518	25-Jul-18 14:02	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-16	Shooting Range 1-FB-072518	25-Jul-18 14:04	27-Jul-18 10:04	HDPE Bottle, 250 mL
1802055-17	DUP-1	25-Jul-18 00:00	27-Jul-18 10:04	HDPE Bottle, 250 mL

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Aqueous	Lab Sample:	B8G0238-BLK1	Column:	BEH C18
Project:	Chase Field / 5026167008						

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFPeA	2706-90-3	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFBS	375-73-5	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFHxA	307-24-4	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFHpA	375-85-9	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFHxS	355-46-4	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFOA	335-67-1	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFNA	375-95-1	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFOSA	754-91-6	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFOS	1763-23-1	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFDA	335-76-2	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
MeFOSAA	2355-31-9	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
EtFOSAA	2991-50-6	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFUnA	2058-94-8	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFDS	335-77-3	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFDoA	307-55-1	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFTrDA	72629-94-8	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
PFTeDA	376-06-7	ND	0.00137	0.00200	0.00400		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.2	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C3-PFPeA	IS	113	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C3-PFBS	IS	123	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFHxA	IS	87.3	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C4-PFHpA	IS	85.0	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
18O2-PFHxS	IS	89.9	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFOA	IS	86.0	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C5-PFNA	IS	81.9	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C8-PFOSA	IS	50.8	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C8-PFOS	IS	80.2	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFDA	IS	67.5	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
d3-MeFOSAA	IS	64.5	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
d5-EtFOSAA	IS	64.0	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFUnA	IS	69.9	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFDoA	IS	66.9	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1
13C2-PFTeDA	IS	66.0	50 - 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:38	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OPR						PFAS Isotope Dilution Method						
Client Data					Laboratory Data							
Name:	KMEA		Matrix:	Aqueous		Lab Sample:	B8G0238-BS1		Column:	BEH C18		
Project:	Chase Field / 5026167008											
Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	0.0368	0.0400	91.9	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFPeA	2706-90-3	0.0385	0.0400	96.1	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFBS	375-73-5	0.0353	0.0400	88.2	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFHxA	307-24-4	0.0396	0.0400	99.0	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFHpA	375-85-9	0.0370	0.0400	92.6	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFHxS	355-46-4	0.0366	0.0400	91.5	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFOA	335-67-1	0.0379	0.0400	94.7	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFNA	375-95-1	0.0349	0.0400	87.1	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFOSA	754-91-6	0.0378	0.0400	94.6	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFOS	1763-23-1	0.0403	0.0400	101	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFDA	335-76-2	0.0379	0.0400	94.7	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
MeFOSAA	2355-31-9	0.0372	0.0400	92.9	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
EtFOSAA	2991-50-6	0.0379	0.0400	94.7	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFUnA	2058-94-8	0.0377	0.0400	94.2	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFDS	335-77-3	0.0368	0.0400	92.1	60 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFDoA	307-55-1	0.0366	0.0400	91.6	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFTTrDA	72629-94-8	0.0376	0.0400	93.9	60 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
PFTeDA	376-06-7	0.0360	0.0400	89.9	70 - 130		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1	
Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBA	IS	90.9	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C3-PFPeA	IS	117	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C3-PFBS	IS	125	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFHxA	IS	87.4	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C4-PFHpA	IS	86.7	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
18O2-PFHxS	IS	87.9	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFOA	IS	88.3	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C5-PFNA	IS	89.4	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C8-PFOSA	IS	50.1	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C8-PFOS	IS	83.6	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFDA	IS	75.1	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
d3-MeFOSAA	IS	65.9	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
d5-EtFOSAA	IS	67.1	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFUnA	IS	72.8	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFDoA	IS	71.7	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			
13C2-PFTeDA	IS	74.6	50- 150		B8G0238	06-Aug-18	0.250 L	18-Aug-18 18:06	1			



**Sample ID: Clarks-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-01	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 09:28	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFPeA	2706-90-3	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFBS	375-73-5	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFHxA	307-24-4	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFHpA	375-85-9	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFHxS	355-46-4	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFOA	335-67-1	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFNA	375-95-1	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFOSA	754-91-6	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFOS	1763-23-1	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFDA	335-76-2	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
MeFOSAA	2355-31-9	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
EtFOSAA	2991-50-6	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFUnA	2058-94-8	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFDS	335-77-3	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFDoA	307-55-1	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFTrDA	72629-94-8	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
PFTeDA	376-06-7	ND	0.00140	0.00204	0.00408		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.2	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C3-PFPeA	IS	123	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C3-PFBS	IS	135	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFHxA	IS	94.4	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C4-PFHpA	IS	90.1	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
18O2-PFHxS	IS	91.8	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFOA	IS	91.0	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C5-PFNA	IS	90.9	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C8-PFOSA	IS	51.2	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C8-PFOS	IS	92.2	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFDA	IS	76.9	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
d3-MeFOSAA	IS	70.5	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
d5-EtFOSAA	IS	74.7	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFUnA	IS	75.5	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFDoA	IS	76.1	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1
13C2-PFTeDA	IS	73.6	50 - 150		B8G0238	06-Aug-18	0.245 L	18-Aug-18 18:49	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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

**Sample ID: Shop Pasture-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-03	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 10:45	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFPeA	2706-90-3	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFBS	375-73-5	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFHxA	307-24-4	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFHpA	375-85-9	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFHxS	355-46-4	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFOA	335-67-1	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFNA	375-95-1	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFOSA	754-91-6	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFOS	1763-23-1	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFDA	335-76-2	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
MeFOSAA	2355-31-9	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
EtFOSAA	2991-50-6	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFUnA	2058-94-8	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFDS	335-77-3	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFDoA	307-55-1	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFTrDA	72629-94-8	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
PFTeDA	376-06-7	ND	0.00142	0.00207	0.00416		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C3-PFPeA	IS	124	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C3-PFBS	IS	151	50 - 150	H	B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFHxA	IS	91.0	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C4-PFHpA	IS	88.3	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
18O2-PFHxS	IS	92.5	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFOA	IS	92.1	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C5-PFNA	IS	83.7	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C8-PFOSA	IS	46.4	50 - 150	H	B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C8-PFOS	IS	94.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFDA	IS	70.0	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
d3-MeFOSAA	IS	72.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
d5-EtFOSAA	IS	78.2	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFUnA	IS	73.7	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFDoA	IS	77.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1
13C2-PFTeDA	IS	84.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 19:10	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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



**Sample ID: Welder HQ-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-05	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 11:18	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFPeA	2706-90-3	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFBS	375-73-5	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFHxA	307-24-4	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFHpA	375-85-9	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFHxS	355-46-4	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFOA	335-67-1	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFNA	375-95-1	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFOSA	754-91-6	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFOS	1763-23-1	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFDA	335-76-2	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
MeFOSAA	2355-31-9	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
EtFOSAA	2991-50-6	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFUnA	2058-94-8	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFDS	335-77-3	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFDoA	307-55-1	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFTeDA	72629-94-8	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
PFTeDA	376-06-7	ND	0.00143	0.00208	0.00416		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.8	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C3-PFPeA	IS	123	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C3-PFBS	IS	150	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFHxA	IS	92.8	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C4-PFHpA	IS	89.1	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
18O2-PFHxS	IS	92.3	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFOA	IS	84.9	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C5-PFNA	IS	84.2	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C8-PFOSA	IS	50.3	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C8-PFOS	IS	95.4	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFDA	IS	76.3	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
d3-MeFOSAA	IS	70.4	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
d5-EtFOSAA	IS	80.9	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFUnA	IS	75.8	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFDoA	IS	79.6	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1
13C2-PFTeDA	IS	76.2	50 - 150		B8G0238	06-Aug-18	0.240 L	18-Aug-18 19:31	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

**Sample ID: Lupes House-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-07	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 11:41	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFPeA	2706-90-3	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFBS	375-73-5	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFHxA	307-24-4	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFHpA	375-85-9	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFHxS	355-46-4	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFOA	335-67-1	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFNA	375-95-1	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFOSA	754-91-6	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFOS	1763-23-1	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFDA	335-76-2	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
MeFOSAA	2355-31-9	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
EtFOSAA	2991-50-6	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFUnA	2058-94-8	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFDS	335-77-3	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFDoA	307-55-1	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFTrDA	72629-94-8	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
PFTeDA	376-06-7	ND	0.00143	0.00209	0.00418		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.7	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C3-PFPeA	IS	122	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C3-PFBS	IS	136	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFHxA	IS	93.1	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C4-PFHpA	IS	85.9	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
18O2-PFHxS	IS	92.7	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFOA	IS	91.3	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C5-PFNA	IS	88.8	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C8-PFOSA	IS	46.9	50 - 150	H	B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C8-PFOS	IS	96.0	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFDA	IS	75.2	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
d3-MeFOSAA	IS	63.7	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
d5-EtFOSAA	IS	75.2	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFUnA	IS	75.4	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFDoA	IS	75.5	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1
13C2-PFTeDA	IS	69.8	50 - 150		B8G0238	06-Aug-18	0.239 L	18-Aug-18 19:53	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

**Sample ID: Lupes House-DW-072518**

**PFAS Isotope Dilution Method**

Name:	KMEA	Lab Sample:	B8G0238-MS1/B8G0238-MSD1	Source Lab Sample:	1802055-07
Project:	Chase Field / 5026167008	QC Batch:	B8G0238	Date Extracted:	06-Aug-18
Matrix:	Aqueous	Samp Size:	0.249/0.246 L	Column:	BEH C18

Analyte	CAS Number	Sample (ug/L)	MS (ug/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ug/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBA	375-22-4	ND	0.0368	0.0402	90.7		0.0352	0.0407	85.7	5.67		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFPeA	2706-90-3	ND	0.0395	0.0402	98.3		0.0377	0.0407	92.5	6.08		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFBS	375-73-5	ND	0.0368	0.0402	91.6		0.0341	0.0407	83.7	9.01		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFHxA	307-24-4	ND	0.0393	0.0402	97.7		0.0365	0.0407	89.6	8.65		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFHpA	375-85-9	ND	0.0383	0.0402	95.4		0.0377	0.0407	92.7	2.87		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFHxS	355-46-4	ND	0.0363	0.0402	89.6		0.0378	0.0407	92.1	2.75		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFOA	335-67-1	ND	0.0399	0.0402	98.6		0.0356	0.0407	86.7	12.8		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFNA	375-95-1	ND	0.0406	0.0402	101		0.0346	0.0407	84.6	17.7		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFOSA	754-91-6	ND	0.0388	0.0402	96.5		0.0373	0.0407	91.7	5.10		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFOS	1763-23-1	ND	0.0384	0.0402	95.3		0.0369	0.0407	90.4	5.28		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFDA	335-76-2	ND	0.0392	0.0402	97.2		0.0388	0.0407	95.0	2.29		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
MeFOSAA	2355-31-9	ND	0.0370	0.0402	92.0		0.0380	0.0407	93.3	1.40		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
EtFOSAA	2991-50-6	ND	0.0386	0.0402	96.1		0.0380	0.0407	93.5	2.74		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFUnA	2058-94-8	ND	0.0376	0.0402	93.3		0.0358	0.0407	87.9	5.96		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFDS	335-77-3	ND	0.0377	0.0402	93.9		0.0339	0.0407	83.4	11.8		60-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFDoA	307-55-1	ND	0.0389	0.0402	96.8		0.0349	0.0407	85.8	12.0		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFTTrDA	72629-94-8	ND	0.0395	0.0402	98.3		0.0364	0.0407	89.5	9.37		60-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1
PFTeDA	376-06-7	ND	0.0390	0.0402	96.8		0.0363	0.0407	89.0	8.40		70-130	30	18-Aug-18 18:16	1	18-Aug-18 18:27	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBA	IS	88.3		96.9		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C3-PFPeA	IS	117		121		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C3-PFBS	IS	133		139		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C2-PFHxA	IS	87.2		93.2		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C4-PFHpA	IS	86.0		86.8		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
18O2-PFHxS	IS	93.7		87.7		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C2-PFOA	IS	83.4		92.3		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C5-PFNA	IS	80.8		87.0		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C8-PFOSA	IS	55.3		58.2		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C8-PFOS	IS	86.1		99.3		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C2-PFDA	IS	77.2		76.6		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
d3-MeFOSAA	IS	71.2		72.6		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
d5-EtFOSAA	IS	71.7		75.5		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C2-PFUnA	IS	73.9		77.4		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1
13C2-PFDoA	IS	74.9		81.8		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1

<b>Sample ID: Lupes House-DW-072518</b>	<b>PFAS Isotope Dilution Method</b>
---	-------------------------------------

Name: KMEA	Lab Sample: B8G0238-MS1/B8G0238-MSD1	Source Lab Sample: 1802055-07
Project: Chase Field / 5026167008	QC Batch: B8G0238	Date Extracted: 06-Aug-18
Matrix: Aqueous	Samp Size: 0.249/0.246 L	Column: BEH C18

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C2-PFTeDA	IS	68.5		72.9		50-150	18-Aug-18 18:16	1	18-Aug-18 18:27	1

**Sample ID: Charlies-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-09	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 12:07	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFPeA	2706-90-3	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFBS	375-73-5	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFHxA	307-24-4	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFHpA	375-85-9	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFHxS	355-46-4	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFOA	335-67-1	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFNA	375-95-1	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFOSA	754-91-6	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFOS	1763-23-1	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFDA	335-76-2	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
MeFOSAA	2355-31-9	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
EtFOSAA	2991-50-6	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFUnA	2058-94-8	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFDS	335-77-3	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFDoA	307-55-1	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFTrDA	72629-94-8	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
PFTeDA	376-06-7	ND	0.00141	0.00205	0.00411		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.5	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C3-PFPeA	IS	122	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C3-PFBS	IS	140	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFHxA	IS	93.3	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C4-PFHpA	IS	90.5	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
18O2-PFHxS	IS	95.5	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFOA	IS	89.5	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C5-PFNA	IS	83.6	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C8-PFOSA	IS	39.6	50 - 150	H	B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C8-PFOS	IS	90.6	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFDA	IS	75.2	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
d3-MeFOSAA	IS	69.7	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
d5-EtFOSAA	IS	71.8	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFUnA	IS	71.6	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFDoA	IS	76.5	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1
13C2-PFTeDA	IS	80.8	50 - 150		B8G0238	06-Aug-18	0.244 L	18-Aug-18 20:14	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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

**Sample ID: Hortzendorf-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-11	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 13:29	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFPeA	2706-90-3	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFBS	375-73-5	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFHxA	307-24-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFHpA	375-85-9	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFHxS	355-46-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFOA	335-67-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFNA	375-95-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFOSA	754-91-6	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFOS	1763-23-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFDA	335-76-2	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
MeFOSAA	2355-31-9	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
EtFOSAA	2991-50-6	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFUnA	2058-94-8	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFDS	335-77-3	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFDoA	307-55-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFTrDA	72629-94-8	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
PFTeDA	376-06-7	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.1	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C3-PFPeA	IS	122	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C3-PFBS	IS	140	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFHxA	IS	94.7	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C4-PFHpA	IS	90.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
18O2-PFHxS	IS	95.3	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFOA	IS	87.9	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C5-PFNA	IS	80.7	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C8-PFOSA	IS	57.2	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C8-PFOS	IS	96.5	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFDA	IS	80.4	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
d3-MeFOSAA	IS	73.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
d5-EtFOSAA	IS	74.5	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFUnA	IS	81.9	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFDoA	IS	80.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1
13C2-PFTeDA	IS	82.3	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 20:36	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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

**Sample ID: Charlies Pasture-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-13	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 13:46	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0925	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFPeA	2706-90-3	0.300	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFBS	375-73-5	0.0382	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFHxA	307-24-4	0.390	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFHpA	375-85-9	0.174	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFHxS	355-46-4	0.916	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFOA	335-67-1	0.859	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFNA	375-95-1	0.0264	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFOSA	754-91-6	0.0247	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFOS	1763-23-1	1.47	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFDA	335-76-2	0.00208	0.00142	0.00207	0.00414	J	B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
MeFOSAA	2355-31-9	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
EtFOSAA	2991-50-6	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFUnA	2058-94-8	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFDS	335-77-3	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFDoA	307-55-1	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFTrDA	72629-94-8	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
PFTeDA	376-06-7	ND	0.00142	0.00207	0.00414		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.9	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C3-PFPeA	IS	122	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C3-PFBS	IS	146	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFHxA	IS	94.5	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C4-PFHpA	IS	91.9	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
18O2-PFHxS	IS	90.9	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFOA	IS	89.7	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C5-PFNA	IS	79.5	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C8-PFOSA	IS	45.2	50 - 150	H	B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C8-PFOS	IS	85.0	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFDA	IS	74.1	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
d3-MeFOSAA	IS	69.8	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
d5-EtFOSAA	IS	72.8	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFUnA	IS	79.4	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFDoA	IS	80.6	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1
13C2-PFTeDA	IS	88.7	50 - 150		B8G0238	06-Aug-18	0.241 L	18-Aug-18 20:57	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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



**Sample ID: Charlies Pasture-FB-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-14	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 13:48	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFPeA	2706-90-3	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFBS	375-73-5	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFHxA	307-24-4	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFHpA	375-85-9	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFHxS	355-46-4	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFOA	335-67-1	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFNA	375-95-1	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFOSA	754-91-6	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFOS	1763-23-1	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFDA	335-76-2	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
MeFOSAA	2355-31-9	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
EtFOSAA	2991-50-6	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFUnA	2058-94-8	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFDS	335-77-3	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFDoA	307-55-1	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFTrDA	72629-94-8	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
PFTeDA	376-06-7	ND	0.00144	0.00211	0.00422		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.1	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C3-PFPeA	IS	117	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C3-PFBS	IS	122	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFHxA	IS	91.7	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C4-PFHpA	IS	82.8	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
18O2-PFHxS	IS	88.1	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFOA	IS	88.2	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C5-PFNA	IS	81.5	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C8-PFOSA	IS	41.9	50 - 150	H	B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C8-PFOS	IS	89.6	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFDA	IS	65.5	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
d3-MeFOSAA	IS	61.4	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
d5-EtFOSAA	IS	62.8	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFUnA	IS	68.0	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFDoA	IS	66.3	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1
13C2-PFTeDA	IS	74.7	50 - 150		B8G0238	06-Aug-18	0.237 L	18-Aug-18 21:08	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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



**Sample ID: Shooting Range 1-DW-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-15	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 14:02	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0474	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFPeA	2706-90-3	0.116	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFBS	375-73-5	0.0249	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFHxA	307-24-4	0.160	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFHpA	375-85-9	0.0531	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFHxS	355-46-4	0.166	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFOA	335-67-1	0.0609	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFNA	375-95-1	0.00375	0.00141	0.00206	0.00412	J	B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFOSA	754-91-6	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFOS	1763-23-1	0.0592	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFDA	335-76-2	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
MeFOSAA	2355-31-9	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
EtFOSAA	2991-50-6	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFUnA	2058-94-8	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFDS	335-77-3	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFDoA	307-55-1	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFTrDA	72629-94-8	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
PFTeDA	376-06-7	ND	0.00141	0.00206	0.00412		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.3	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C3-PFPeA	IS	111	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C3-PFBS	IS	130	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFHxA	IS	84.1	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C4-PFHpA	IS	81.9	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
18O2-PFHxS	IS	81.9	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFOA	IS	83.6	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C5-PFNA	IS	78.5	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C8-PFOSA	IS	45.8	50 - 150	H	B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C8-PFOS	IS	83.2	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFDA	IS	68.5	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
d3-MeFOSAA	IS	71.3	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
d5-EtFOSAA	IS	72.0	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFUnA	IS	73.2	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFDoA	IS	71.3	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1
13C2-PFTeDA	IS	81.2	50 - 150		B8G0238	06-Aug-18	0.243 L	18-Aug-18 21:40	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

**Sample ID: Shooting Range 1-FB-072518**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-16	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 14:04	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFPeA	2706-90-3	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFBS	375-73-5	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFHxA	307-24-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFHpA	375-85-9	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFHxS	355-46-4	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFOA	335-67-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFNA	375-95-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFOSA	754-91-6	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFOS	1763-23-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFDA	335-76-2	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
MeFOSAA	2355-31-9	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
EtFOSAA	2991-50-6	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFUnA	2058-94-8	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFDS	335-77-3	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFDoA	307-55-1	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFTrDA	72629-94-8	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
PFTeDA	376-06-7	ND	0.00144	0.00210	0.00420		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.7	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C3-PFPeA	IS	124	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C3-PFBS	IS	129	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFHxA	IS	94.3	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C4-PFHpA	IS	87.5	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
18O2-PFHxS	IS	92.9	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFOA	IS	90.4	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C5-PFNA	IS	82.3	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C8-PFOSA	IS	43.1	50 - 150	H	B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C8-PFOS	IS	97.8	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFDA	IS	71.7	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
d3-MeFOSAA	IS	63.4	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
d5-EtFOSAA	IS	67.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFUnA	IS	69.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFDoA	IS	69.3	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1
13C2-PFTeDA	IS	71.6	50 - 150		B8G0238	06-Aug-18	0.238 L	18-Aug-18 21:51	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

**Sample ID: DUP-1**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	KMEA	Matrix:	Water	Lab Sample:	1802055-17	Column:	BEH C18
Project:	Chase Field / 5026167008	Date Collected:	25-Jul-18 00:00	Date Received:	27-Jul-18 10:04		

Analyte	CAS Number	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFPeA	2706-90-3	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFBS	375-73-5	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFHxA	307-24-4	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFHpA	375-85-9	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFHxS	355-46-4	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFOA	335-67-1	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFNA	375-95-1	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFOSA	754-91-6	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFOS	1763-23-1	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFDA	335-76-2	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
MeFOSAA	2355-31-9	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
EtFOSAA	2991-50-6	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFUnA	2058-94-8	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFDS	335-77-3	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFDoA	307-55-1	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFTrDA	72629-94-8	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
PFTeDA	376-06-7	ND	0.00138	0.00201	0.00402		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.9	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C3-PFPeA	IS	115	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C3-PFBS	IS	129	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFHxA	IS	85.6	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C4-PFHpA	IS	83.1	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
18O2-PFHxS	IS	89.1	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFOA	IS	94.6	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C5-PFNA	IS	81.6	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C8-PFOSA	IS	23.8	50 - 150	H	B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C8-PFOS	IS	84.8	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFDA	IS	70.9	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
d3-MeFOSAA	IS	65.8	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
d5-EtFOSAA	IS	68.1	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFUnA	IS	67.0	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFDoA	IS	69.7	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1
13C2-PFTeDA	IS	80.0	50 - 150		B8G0238	06-Aug-18	0.249 L	18-Aug-18 22:02	1

DL - Detection Limit

 LOD - Limit of Detection  
 LOQ - Limit of quantitation

Results reported to the DL.

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

## **DATA QUALIFIERS & ABBREVIATIONS**

<b>B</b>	<b>This compound was also detected in the method blank</b>
<b>Conc.</b>	<b>Concentration</b>
<b>D</b>	<b>Dilution</b>
<b>DL</b>	<b>Detection limit</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>LOD</b>	<b>Limits of Detection</b>
<b>LOQ</b>	<b>Limits of Quantitation</b>
<b>M</b>	<b>Estimated Maximum Possible Concentration (CA Region 2 projects only)</b>
<b>NA</b>	<b>Not applicable</b>
<b>ND</b>	<b>Not Detected</b>
<b>Q</b>	<b>Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)</b>
<b>TEQ</b>	<b>Toxic Equivalency</b>
<b>U</b>	<b>Not Detected (specific projects only)</b>
<b>*</b>	<b>See Cover Letter</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.*



MMEC Group  
9177 Sky Park Court  
San Diego, CA  
(858) 278-3600

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

### CHAIN OF CUSTODY

1802055 0.1°C

DATE: 07/26/2018

COC #: \_\_\_\_\_

PAGE: 1 OF 2

<b>Project Name:</b>	Chase Field	<b>Project Contact:</b>	Kim Shirooti	<b>Bill To:</b>	Amec Foster Wheeler	<b>Disposal Instructions:</b>	LAB
<b>Project Number:</b>	5026167008	<b>Phone Number:</b>	(630) 506-1247		9210 Sky Park Court, Suite 200	<b>Shipment Method:</b>	FedEx
<b>Project Manager:</b>	Kevin Olness	<b>Project Phase:</b>	.05.****		San Diego, CA 92123	<b>Waybill Number:</b>	N/A

Sample Information						Methods for Analysis					RUSH					
No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	Modified 537					24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analyses
1	Clarks-DW-072518	07/25/18 @0928	W	Grab	N	X									1	
2	Clarks-FB-072518	@0930													1	*
3	Shop Pasture-DW-072518	@1045													1	
4	Shop Pasture-FB-072518	@1047													1	*
5	Welder HQ-DW-072518	@1118													1	
6	Welder HQ-FB-072518	@1120													1	*
7	Lupes House-DW-072518	@1141													1	
8	Lupes House-FB-072518	@1143													1	*
9	Lupes House-MS-072518	@1144			Y										1	
10	Lupes House-MSD-072518	@1145			Y										1	
11	Charlies-DW-072518	@1207			N										1	
12	Charlies-FB-072518	@1209			N										1	*

<b>Sampler's Signature:</b> <i>Brian Mieselmann</i>	<b>Date:</b> 07/26/2018	<b>Time:</b> 1350	<b>For Lab Use</b>	<b>Comments:</b> <b>X=Analyze H=Hold Analysis Request</b>  Report DL/LOD/LOQ with Navy NIRIS valid values EQUIS EDD deliverable  <i>* = Extraction Only</i>  <b>NUMBER OF COOLERS SENT:</b>
<b>Relinquished By/Affiliation:</b> <i>Brian Mieselmann / Wood</i>	<b>Date:</b> 07/26/2018	<b>Time:</b> 1545	Does COC match samples: Y or N	
<b>Received By:</b> <i>Bob Bennett</i>	<b>Date:</b> 07/27/18	<b>Time:</b> 1013	Broken Container: Y or N	
<b>Relinquished By/Affiliation:</b>	<b>Date:</b>	<b>Time:</b>	COC seal intact: Y or N	
<b>Received By:</b>	<b>Date:</b>	<b>Time:</b>	Other problems: Y or N	
<b>Relinquished By/Affiliation:</b>	<b>Date:</b>	<b>Time:</b>	WSDOT contacted: Y or N	
<b>Received By (LAB):</b>	<b>Date:</b>	<b>Time:</b>	Date contacted: _____	
			Cooler Temperature at receipt: _____ °C	

MMEC Group  
 9177 Sky Park Court  
 San Diego, CA  
 (858) 278-3600

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

**CHAIN OF CUSTODY**

1802055

DATE: 07/26/2018

COC #: \_\_\_\_\_

PAGE: 2 OF 2

<b>Project Name:</b>	Chase Field	<b>Project Contact:</b>	Kim Shirooti	<b>Bill To:</b>	Amec Foster Wheeler	<b>Disposal Instructions:</b>	LAB
<b>Project Number:</b>	5026167008	<b>Phone Number:</b>	(630) 506-1247		9210 Sky Park Court, Suite 200	<b>Shipment Method:</b>	FedEx
<b>Project Manager:</b>	Kevin Olness	<b>Project Phase:</b>	.05 ****		San Diego, CA 92123	<b>Waybill Number:</b>	N/A

Sample Information							Methods for Analysis					RUSH					
No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	Modified						24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analyses
1	Hortzendorf-DW-072518	07/25/18 @ 1329	W	Grab	N	X											
2	Hortzendorf-FB-072518	↓ @ 1331	↓	↓	↓	↓											★
3	Charlies Pasture-DW-072518	↓ @ 1346	↓	↓	↓	↓											★
4	Charlies Pasture-FB-072518	↓ @ 1348	↓	↓	↓	↓											★
5	Shooting Range 1-DW-072518	↓ @ 1402	↓	↓	↓	↓											★
6	Shooting Range 1-FB-072518	↓ @ 1404	↓	↓	↓	↓											★
7	DUP-1	↓	↓	↓	↓	↓											
8																	
9																	
10																	
11																	
12																	

<b>Sampler's Signature:</b> <i>Brian Hieselmann</i>	<b>Date:</b> 07/26/2018	<b>Time:</b> 1350	<b>For Lab Use</b>		<b>Comments:</b> X=Analyze H=Hold Analysis Request  Report DL/LOD/LOQ with Navy NIRIS valid values EQUIS EDD deliverable  ★ = Extraction Only
<b>Relinquished By/Affiliation:</b> <i>Brian Hieselmann</i>	<b>Date:</b> 07/26/2018	<b>Time:</b> 1545	Does COC match samples:	Y or N	
<b>Received By:</b> <i>Beth Benicent</i>	<b>Date:</b> 07/27/18	<b>Time:</b> 1013	Broken Container:	Y or N	
<b>Relinquished By/Affiliation:</b>	<b>Date:</b>	<b>Time:</b>	COC seal intact:	Y or N	
<b>Received By:</b>	<b>Date:</b>	<b>Time:</b>	Other problems:	Y or N	
<b>Relinquished By/Affiliation:</b>	<b>Date:</b>	<b>Time:</b>	WSDOT contacted:	Y or N	
<b>Received By (LAB):</b>	<b>Date:</b>	<b>Time:</b>	Date contacted:	_____	
			Cooler Temperature at receipt:	_____ °C	
			<b>NUMBER OF COOLERS SENT:</b>		



### Sample Log-in Checklist

 Vista Work Order #: 1802055 TAT Std

<b>Samples Arrival:</b>	<b>Date/Time:</b> 07/27/18 1004	<b>Initials:</b> UBS	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> NA
<b>Logged In:</b>	<b>Date/Time:</b> 07/28/18 0848	<b>Initials:</b> UBS	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> E5 / D5
<b>Delivered By:</b>	<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
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
<b>Temp °C:</b> 0.2 (uncorrected)	<b>Time:</b> 1010	<b>Thermometer ID:</b> IR-4	
<b>Temp °C:</b> 0.1 (corrected)	<b>Probe used:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

	YES	NO	NA
Adequate Sample Volume Received? <i>No Back up containers</i>	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill <i>1 of 2</i> Trk # <i>7820 1828 6160</i>	<input checked="" type="checkbox"/>		
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
<b>Preservation Documented:</b>	<input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	<input type="checkbox"/> Trizma	<input checked="" type="checkbox"/> None
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
<b>Shipping Container</b>	<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: 1802055

Prep Expiration: 2018-Aug-08  
 Client: KMEA

Workorder Due: 17-Aug-18 00:00  
 TAT: 21

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

Prep Batch: B8G0238

Version: TX+MeFOSAA+EtFOSAA (18 Analytes)  
 DoD: DoD QSM 5.1

Prep Data Entered: 8/07/18  
 Date and Initials

Initial Sequence: S01W47

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1802055-01	A	<input type="checkbox"/>	<input type="checkbox"/>	Clarks-DW-072518	"Clark's - DW - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-02	A	<input type="checkbox"/>	<input type="checkbox"/>	Clarks-FB-072518	"Clark's - FB - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-03	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shop Pasture-DW-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-04	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shop Pasture-FB-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-05	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Welder HQ-DW-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-06	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Welder HQ-FB-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-07	A, B, C	<input type="checkbox"/>	<input type="checkbox"/>	Lupes House-DW-072518	"Lupe's House - DW - 072518" ✓ MS/MSD	WR-2 E-5	HDPE Bottle, 250 mL
*1802055-08	A	<input type="checkbox"/>	<input type="checkbox"/>	Lupes House-FB-072518	"Lupe's House - FB - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-09	A	<input type="checkbox"/>	<input type="checkbox"/>	Charlies-DW-072518	"Charlie's - DW - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-10	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Charlies-FB-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-11	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hortzendorf-DW-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-12	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hortzendorf-FB-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-13	A	<input type="checkbox"/>	<input type="checkbox"/>	Charlies Pasture-DW-072518	"Charlie's Pasture - DW - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-14	A	<input type="checkbox"/>	<input type="checkbox"/>	Charlies Pasture-FB-072518	"Charlie's Pasture - FB - 072518" ✓	WR-2 E-5	HDPE Bottle, 250 mL
1802055-15	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shooting Range 1-DW-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-16	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shooting Range 1-FB-072518		WR-2 E-5	HDPE Bottle, 250 mL
1802055-17	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DUP-1		WR-2 E-5	HDPE Bottle, 250 mL

Extract : hold samples # 2, 4, 6, 8, 10, 12, 14, 16

- (JW) 7/31/18

\* Volume of sample is ~ 235ml. BSB 8/2/18

Sample IDs may not reconcile w/COG - okay  
 to proceed w/analysis - (JW) 8/2

Pre-Prep Check Out: LT 08/02/18  
 Pre-Prep Check In: LT 08/02/18

Prep Check Out: JR 8/6/18  
 Prep Check In: NA

Prep Reconciled Initials/Date: LT 08/02/18  
 Spike Reconciled Initials/Date: JR 8/6/18  
 VialBoxID: Hanauuma

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mL)

B8G0238

Chemist: JR

Prep Date: 8/6/18

Prep Time: 750

Prepared using: LCMS - SPE Extraction-LCMS

Cen	VISTA Sample ID	Date/Initials: LT 08/02/18				BalanceID: HRMS-9			IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
		pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)			
<input type="checkbox"/>	B8G0238-BLK1	5	2	0	1	N/A	NA	(0.250) ✓	JR KC 8/6/18	JR 8/6/18	JR NY 8/6/18
<input type="checkbox"/>	B8G0238-BS1	5	2	0	1	↓	↓	(0.250) ✓	↓	↓	↓
<input type="checkbox"/>	B8G0238-MS1 1802055-07	7	2	0	6	286.71	37.70	0.24901 ✓	↓	↓	↓
<input type="checkbox"/>	B8G0238-MSD1 1802055-07	5	2	0	6	283.18	37.32	0.24586 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-01	6	2	0	7	282.86	37.61	0.24525 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-02	5	2	0	1	281.36	37.56	0.2438 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-03	6	2	0	6	277.92 LT 08/02/18 278.35	37.36	0.24056 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-04	5	2	0	1	279.84	37.67	0.24217 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-05	6	2	0	6	277.78	37.55	0.24023 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-06	5	2	0	1	278.29	37.45	0.24084 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-07	6	2	0	5	276.93	37.59	0.23934 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-08	5	2	0	1	258.09	37.88	0.22021 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-09	6	2	0	6	281.13	37.55	0.24358 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-10	5	2	0	1	282.61	37.91	0.2447 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-11	6	2	0	5	275.29	37.41	0.23788 ✓	↓	↓	↓
<input type="checkbox"/>	1802055-12	5	2	0	1	279.97	37.67	0.2423 ✓	↓	↓	↓

IS: 18F0405, 10µL (V<sub>1</sub>)  
 IS SUP: NA  
 NS: 18F2025, 10µL (V<sub>3</sub>)  
 RS: 18F0406, 10µL (V<sub>2</sub>)

SPE Chem: Statex XAW 33µm 200mg/6mL  
 Ele SOLV: MeOH/.5% NH<sub>4</sub>OH in MeOH  
 Final Volume(s) 1mL

Notes: Envicarb lot: 10262101 KC 8/6/18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mL)

B8G0238

Chemist: JR

Prep Date: 8/6/18

Prep Time: 750

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initials: LT 08/04/18 BalanceID: HRMS-9

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"/>	1802055-13	6	2	0	6	279.23	37.95	0.24128	✓ JR KC 8/6/18	JR 8/6/18	JR 8/6/18
<input type="checkbox"/>	1802055-14	5	2	0	1	274.66	37.49	0.23717	↓	↓	↓
<input checked="" type="checkbox"/>	1802055-15	6	2	0	6	280.26	37.43	0.24283	✓	↓	↓
<input type="checkbox"/>	1802055-16	5	2	0	1	275.90	37.71	0.23819	✓	↓	↓
<input type="checkbox"/>	1802055-17	6	2	0	6	286.59	38.01	0.24858	↓	↓	↓

IS: 18F0405, 10 µL (1/2) IS SUP: NA NS: 18F2025, 10 µL (3) RS: 18F0406, 10 µL (1/2)	SPE Chem: State XAW 33 µm 200mg/ml Ele SOLV: MeOH/.5% NH <sub>4</sub> OH in MeOH Final Volume(s) 1ml	Notes: Envicarb lot: 10262101 KC 8/6/18
--	--	---

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B8G0238

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1802055-01	0.24525 ✓	N/A	N/A	1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-02	0.2438 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-03	0.24056 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-04	0.24217 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-05	0.24023 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-06	0.24084 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-07	0.23934 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-08	0.22021 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-09	0.24358 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-10	0.2447 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-11	0.23788 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-12	0.2423 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-13	0.24128 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-14	0.23717 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-15	0.24283 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-16	0.23819 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
1802055-17	0.24858 ✓			1000	06-Aug-18 07:50	JMR			Water	537M PFAS DOD (LOQ as
B8G0238-BLK1	0.25 ✓			1000	06-Aug-18 07:50	JMR				QC
B8G0238-BS1	0.25 ✓			1000	06-Aug-18 07:50	JMR	18F2025 ✓	10 ✓		QC
B8G0238-MS1	0.24901 ✓			1000	06-Aug-18 07:50	JMR	18F2025 ✓	10 ✓		QC
B8G0238-MSD1	0.24586 ✓			1000	06-Aug-18 07:50	JMR	18F2025 ✓	10 ✓		QC

by 8/07/18

## **Sample Data – PFAS Isotope Dilution Method**

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	9.82e1	2.17e4	0.250	0.000	1.08	0.0566	0.3015			
2	2 PFPeA	263.1 > 218.9		2.95e4	0.250							
3	3 PFBS	299.0 > 79.7		3.31e3	0.250							
4	4 4:2 FTS	327.2>307.2		6.65e3	0.250							
5	5 PFHxA	313 > 269		1.83e4	0.250							
6	36 13C3-PFBA	216.1 > 171.8	2.17e4	2.96e4	0.250	0.733	1.08	9.16	44.5925	89.2		
7	37 13C3-PFPeA	266. > 221.8	2.95e4	5.36e4	0.250	0.551	2.04	6.88	56.6506	113.3		
8	38 13C3-PFBS	302. > 98.8	3.31e3	5.36e4	0.250	0.0616	2.33	0.770	61.2647	122.5		
9	39 13C2-4:2 FTS	329.2>308.9	6.65e3	5.36e4	0.250	0.124	2.77	1.55	41.9987	84.0		
10	40 13C2-PFHxA	315 > 270	1.83e4	5.36e4	0.250	0.851	2.86	4.25	17.4637	87.3		
11	-1											
12	6 PFPeS	349.1>80.1		3.31e3	0.250							
13	7 PFHpA	363.0 > 318.9		2.79e4	0.250							
14	8 L-PFHxS	398.9 > 79.6	8.54e0	2.76e3	0.250	0.000	3.63	0.0386	0.1453		1.59	NO
15	68 Total PFHxS	398.9 > 79.6	8.54e0	2.76e3	0.250			0.0386	0.1453			
16	10 6:2 FTS	427.1 > 407	2.45e1	6.45e3	0.250	0.000	3.95	0.0475	0.0709		15.7	YES
17	38 13C3-PFBS	302. > 98.8	3.31e3	5.36e4	0.250	0.0616	2.33	0.770	61.2647	122.5		
18	41 13C4-PFHpA	367.2 > 321.8	2.79e4	5.36e4	0.250	0.520	3.48	6.50	42.4786	85.0		
19	42 18O2-PFHxS	403.0 > 102.6	2.76e3	6.37e3	0.250	0.434	3.63	5.43	44.9262	89.9		
20	42 18O2-PFHxS	403.0 > 102.6	2.76e3	6.37e3	0.250	0.434	3.63	5.43	44.9262	89.9		
21	43 13C2-6:2 FTS	429.1 > 408.9	6.45e3	5.72e4	0.250	0.113	3.95	1.41	39.5033	79.0		
22	-1											
23	11 L-PFOA	412.9 > 368.9	3.43e2	4.03e4	0.250	0.000	4.01	0.106	0.2875		2.65	NO
24	69 Total PFOA	412.9 > 368.9	3.43e2	4.03e4	0.250			0.106	0.2875			
25	13 PFHpS	449 > 80.0		6.20e3	0.250							
26	16 L-PFOS	498.9 > 79.9	2.06e0	6.20e3	0.250	0.000	4.44	0.00416	0.1254		0.356	YES
27	70 Total PFOS	498.9 > 79.9	2.06e0	6.20e3	0.250			0.00416	0.1254			
28	44 13C2-PFOA	414.9 > 369.7	4.03e4	5.72e4	0.250	0.706	4.01	8.82	42.9838	86.0		
29	44 13C2-PFOA	414.9 > 369.7	4.03e4	5.72e4	0.250	0.706	4.01	8.82	42.9838	86.0		
30	47 13C8-PFOS	507.0 > 79.9	6.20e3	7.34e3	0.250	0.844	4.55	10.6	40.1219	80.2		
31	47 13C8-PFOS	507.0 > 79.9	6.20e3	7.34e3	0.250	0.844	4.55	10.6	40.1219	80.2		
32	47 13C8-PFOS	507.0 > 79.9	6.20e3	7.34e3	0.250	0.844	4.55	10.6	40.1219	80.2		
33	-1											
34	14 PFNA	463.0 > 418.8		4.04e4	0.250							
35	15 PFOSA	498 > 77.9		5.19e3	0.250							
36	18 PFDA	513 > 468.8		3.59e4	0.250							

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9		6.37e3	0.250							
38	20 PFNS	549.1 > 80.1		6.20e3	0.250							
39	45 13C5-PFNA	468.2 > 422.9	4.04e4	5.07e4	0.250	0.797	4.46	9.96	40.9591	81.9		
40	46 13C8-PFOSA	506.1 > 77.7	5.19e3	5.81e4	0.250	0.0893	4.52	1.12	25.4122	50.8		
41	48 13C2-PFDA	515.1 > 469.9	3.59e4	5.56e4	0.250	0.646	4.84	8.08	33.7422	67.5		
42	49 13C2-8:2 FTS	529.1 > 508.7	6.37e3	5.72e4	0.250	0.111	4.81	1.39	46.9084	93.8		
43	47 13C8-PFOS	507.0 > 79.9	6.20e3	7.34e3	0.250	0.844	4.55	10.6	40.1219	80.2		
44	-1											
45	21 L-MeFOSAA	570 > 419		9.05e3	0.250							
46	71 Total N-MeFOSAA	570. > 419	0.00e0	9.05e3	0.250			0.000				
47	23 L-EtFOSAA	584.1 > 419		9.74e3	0.250							
48	72 Total N-EtFOSAA	584.1 > 419	0.00e0	9.74e3	0.250			0.000				
49	25 PFUdA	563.0 > 518.9	1.12e2	3.99e4	0.250	0.000	5.18	0.0352	0.0544		33.2	YES
50	50 d3-N-MeFOSAA	573.3 > 419	9.05e3	5.81e4	0.250	0.156	5.00	1.95	32.2584	64.5		
51	50 d3-N-MeFOSAA	573.3 > 419	9.05e3	5.81e4	0.250	0.156	5.00	1.95	32.2584	64.5		
52	52 d5-N-EtFOSAA	589.3 > 419	9.74e3	5.81e4	0.250	0.168	5.16	2.10	32.0110	64.0		
53	52 d5-N-EtFOSAA	589.3 > 419	9.74e3	5.81e4	0.250	0.168	5.16	2.10	32.0110	64.0		
54	51 13C2-PFUdA	565 > 519.8	3.99e4	5.81e4	0.250	0.687	5.18	8.59	34.9412	69.9		
55	-1											
56	26 PFDS	598.8 > 79.9		6.20e3	0.250							
57	27 PFDoA	612.9 > 569.0		4.03e4	0.250							
58	29 PFTTrDA	662.9 > 618.9	6.33e1	4.03e4	0.250	0.000	5.73	0.0197	0.1403		22.5	NO
59	30 PFTeDA	712.8 > 669.0	8.47e1	2.98e4	0.250	0.000	5.95	0.0356	0.1579		38.1	YES
60	28 N-MeFOSA	512.1 > 168.9			0.250							
61	51 13C2-PFUdA	565 > 519.8	3.99e4	5.81e4	0.250	0.687	5.18	8.59	34.9412	69.9		
62	53 13C2-PFDoA	615.0 > 569.7	4.03e4	5.56e4	0.250	0.724	5.47	9.05	33.4400	66.9		
63	53 13C2-PFDoA	615.0 > 569.7	4.03e4	5.56e4	0.250	0.724	5.47	9.05	33.4400	66.9		
64	55 13C2-PFTeDA	714.8 > 669.6	2.98e4	5.81e4	0.250	0.513	5.95	6.41	32.9910	66.0		
65	54 d3-N-MeFOSA	515.2 > 168.9		5.81e4	0.250							
66	-1											
67	31 N-EtFOSA	526.1 > 168.9			0.250							
68	32 PFHxDA	813.1 > 768.6	1.53e2	9.33e3	0.250	0.000	6.32	0.0818	0.1635		279	YES
69	33 PFOA	913.1 > 868.8		9.33e3	0.250							
70	34 N-MeFOSE	616.1 > 58.9			0.250							
71	35 N-EtFOSE	630.1 > 58.9			0.250							
72	56 d5-N-ETFOSA	531.1 > 168.9		5.81e4	0.250							



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	9.33e3	5.81e4	0.250	0.402	6.32	2.01	8.1113	40.6		H
74	57 13C2-PFHxDA	815 > 769.7	9.33e3	5.81e4	0.250	0.402	6.32	2.01	8.1113	40.6		H
75	58 d7-N-MeFOSE	623.1 > 58.9		5.81e4	0.250							
76	59 d9-N-EtFOSE	639.2 > 58.8		5.81e4	0.250							
77	-1											
78	73 TCDA	498.3>106.9			0.250							
79	61 13C5-PFHxA	318 > 272.9	5.36e4	5.36e4	0.250	1.00	2.86	12.5	50.0000	100.0		
80	60 13C4-PFBA	217. > 172	2.96e4	2.96e4	0.250	1.00	1.07	12.5	50.0000	100.0		
81	62 13C3-PFHxS	401.8 > 79.9	6.37e3	6.37e3	0.250	1.00	3.63	12.5	50.0000	100.0		
82	63 13C8-PFOA	420.9 > 376	5.72e4	5.72e4	0.250	1.00	4.01	12.5	50.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	6.20e3	7.34e3	0.250	0.844	4.55	10.6	40.1219	80.2		
84	64 13C9-PFNA	472.2 > 426.9	5.07e4	5.07e4	0.250	1.00	4.46	12.5	50.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	7.34e3	7.34e3	0.250	1.00	4.55	12.5	50.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	5.56e4	5.56e4	0.250	1.00	4.84	12.5	50.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	5.81e4	5.81e4	0.250	1.00	5.18	12.5	50.0000	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

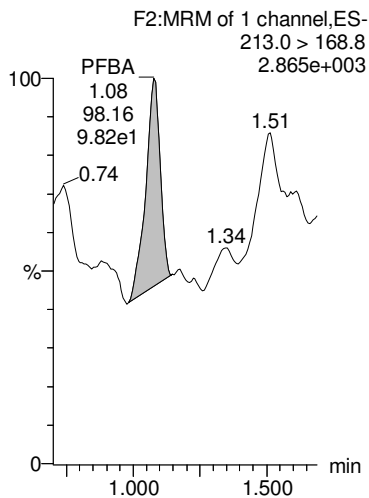
Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

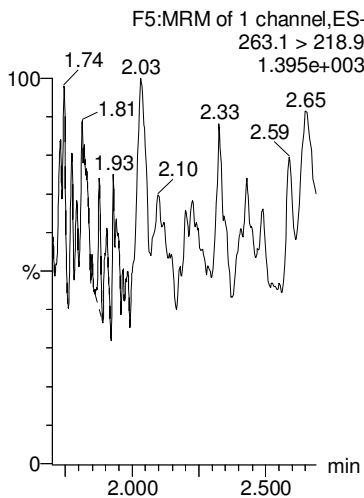
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

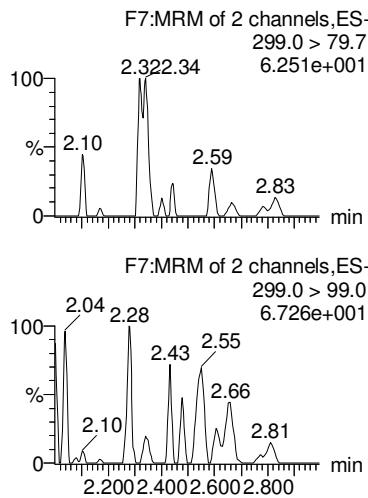
**PFBA**



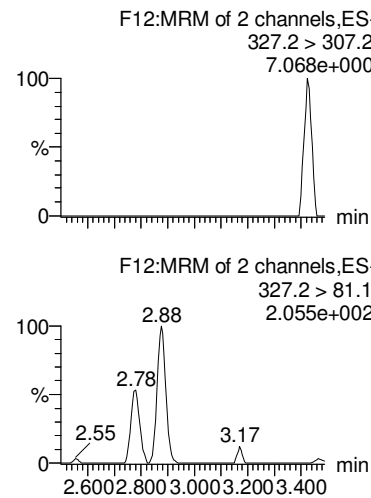
**PFPeA**



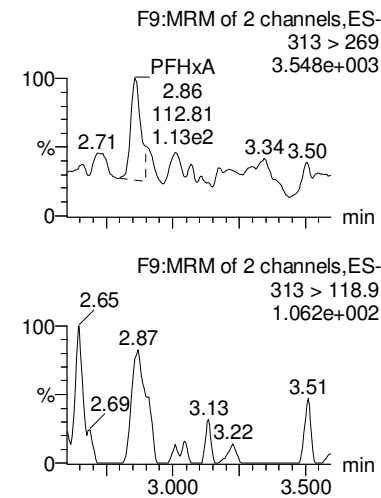
**PFBS**



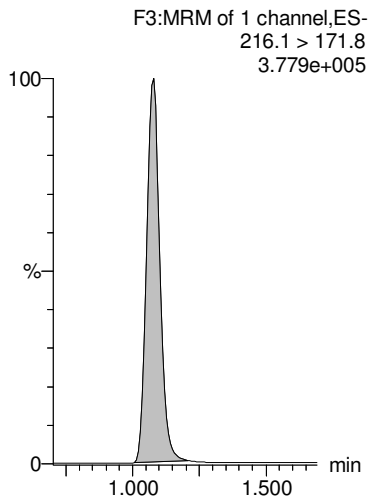
**4:2 FTS**



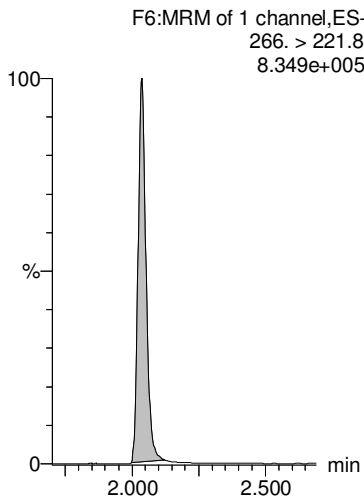
**PFHxA**



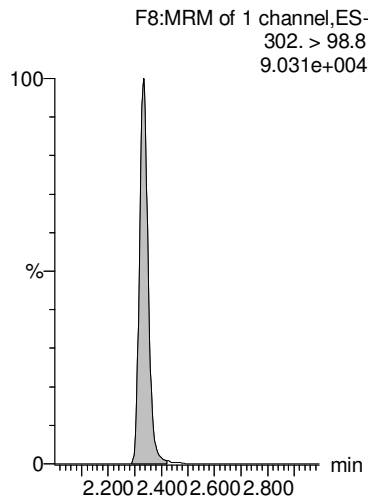
**13C3-PFBA**



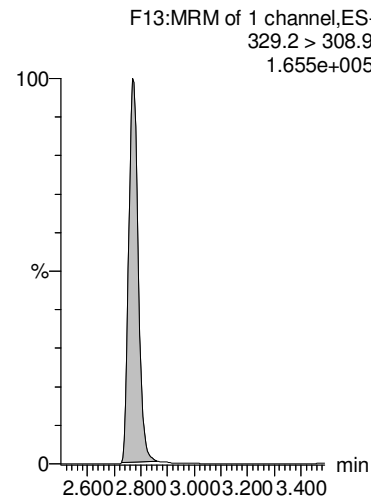
**13C3-PFPeA**



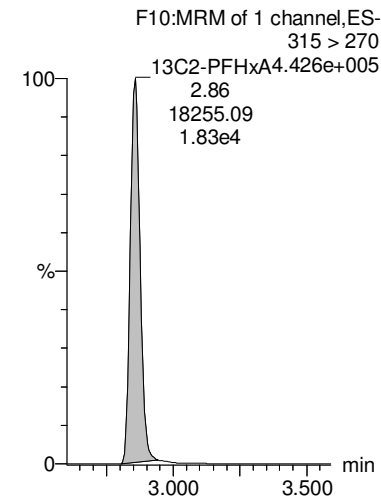
**13C3-PFBS**



**13C2-4:2 FTS**



**13C2-PFHxA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

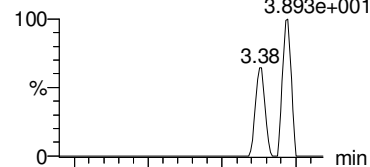
Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

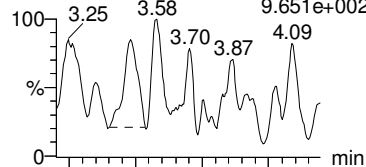
**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
3.893e+001



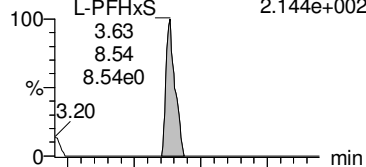
**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
9.651e+002



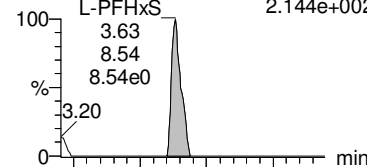
**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
2.144e+002



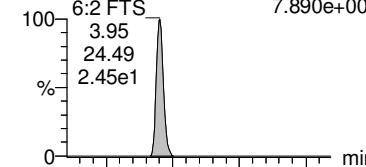
**Total PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
2.144e+002

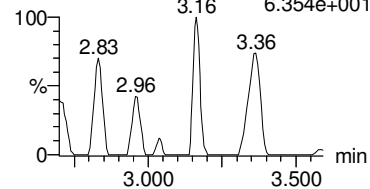


**6:2 FTS**

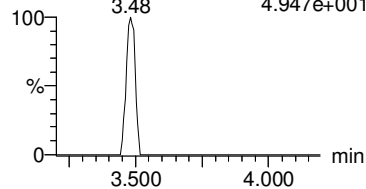
F24:MRM of 2 channels,ES-  
427.1 > 407  
7.890e+002



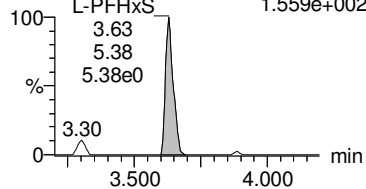
F15:MRM of 2 channels,ES-  
349.1 > 99  
6.354e+001



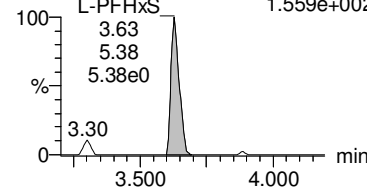
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
4.947e+001



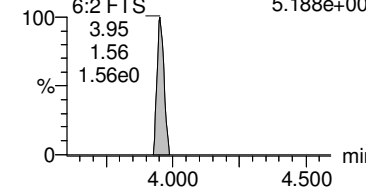
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
1.559e+002



F18:MRM of 2 channels,ES-  
398.9 > 99.0  
1.559e+002

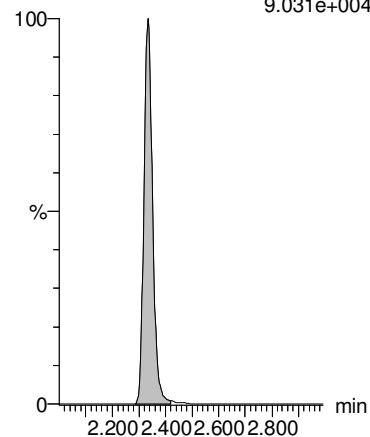


F24:MRM of 2 channels,ES-  
427.1 > 80  
5.188e+001



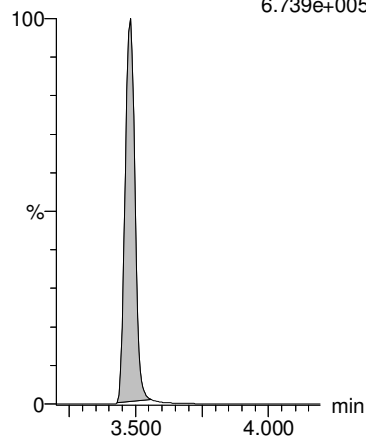
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
9.031e+004



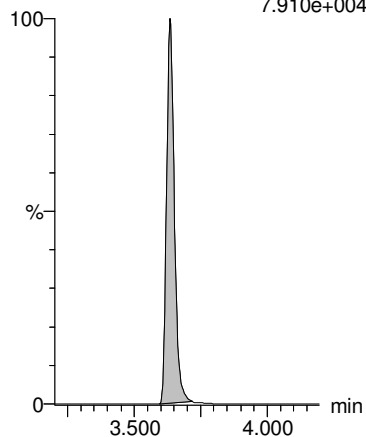
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
6.739e+005



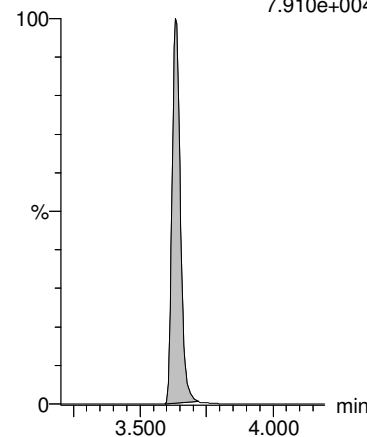
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
7.910e+004



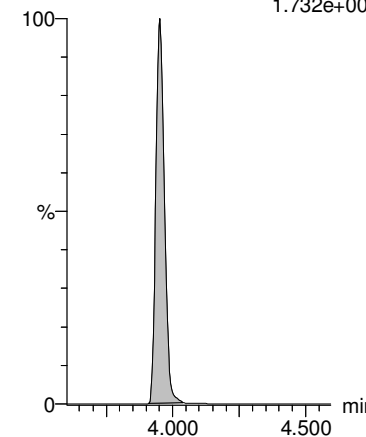
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
7.910e+004



**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
1.732e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

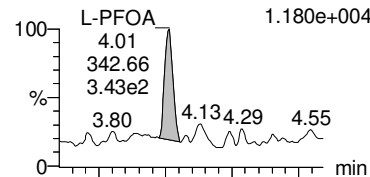
Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

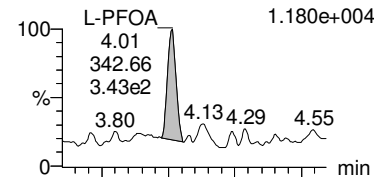
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
1.180e+004



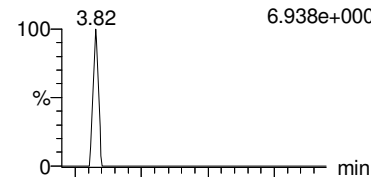
**Total PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
1.180e+004



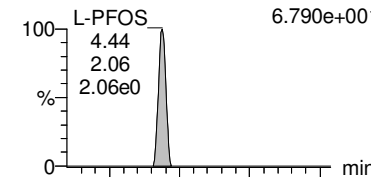
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
6.938e+000



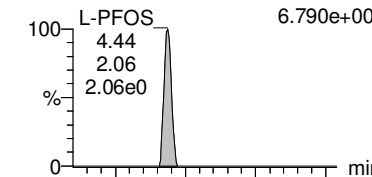
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
6.790e+001

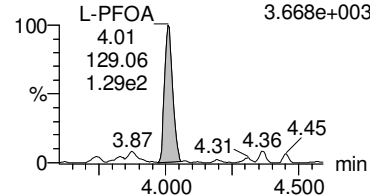


**Total PFOS**

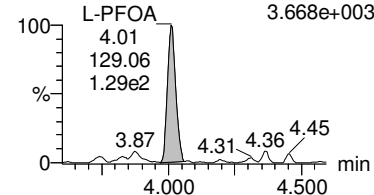
F32:MRM of 2 channels,ES-  
498.9 > 79.9  
6.790e+001



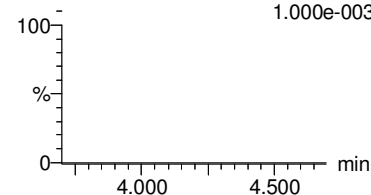
F21:MRM of 2 channels,ES-  
412.9 > 169  
3.668e+003



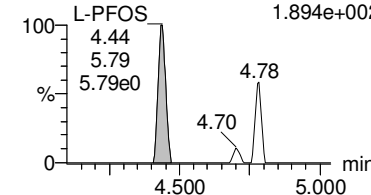
F21:MRM of 2 channels,ES-  
412.9 > 169  
3.668e+003



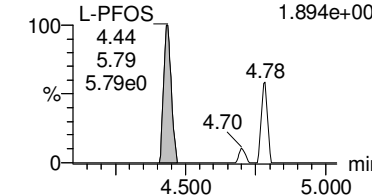
F26:MRM of 2 channels,ES-  
449 > 98.7  
1.000e-003



F32:MRM of 2 channels,ES-  
498.9 > 99  
1.894e+002

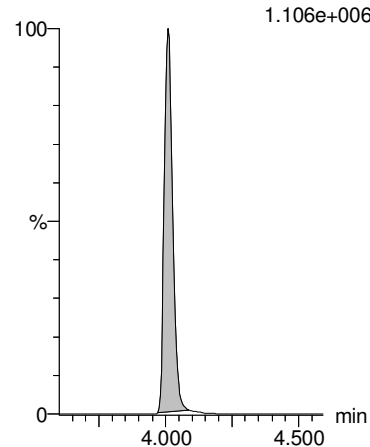


F32:MRM of 2 channels,ES-  
498.9 > 99  
1.894e+002



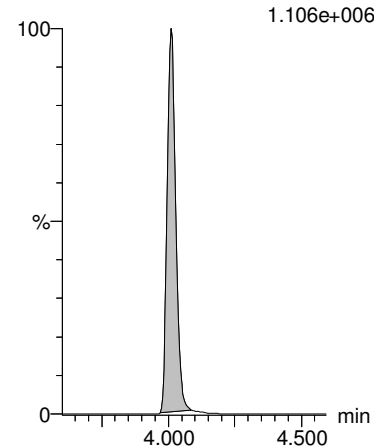
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.106e+006



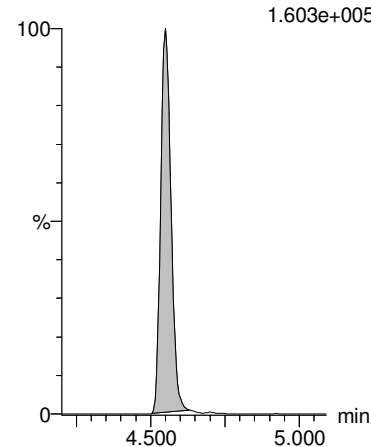
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.106e+006



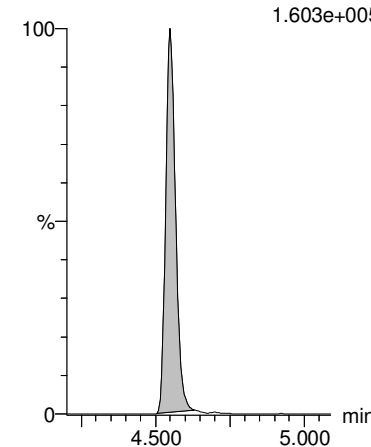
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.603e+005



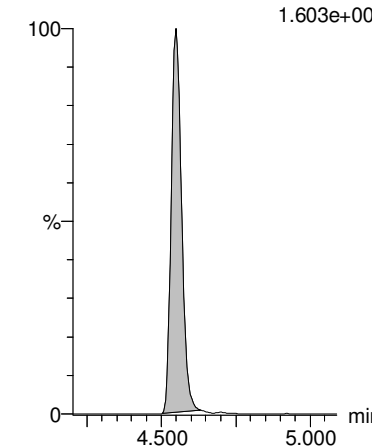
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.603e+005



**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.603e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

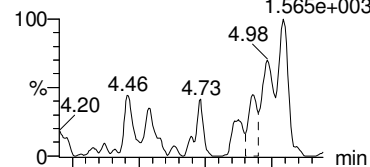
Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

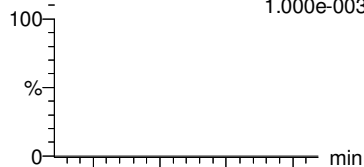
**PFNA**

F27:MRM of 2 channels,ES-  
463.0 > 418.8  
1.565e+003



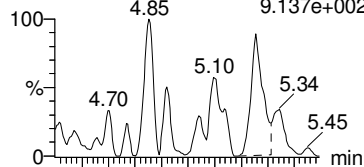
**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
1.000e-003



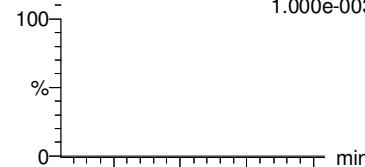
**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
9.137e+002



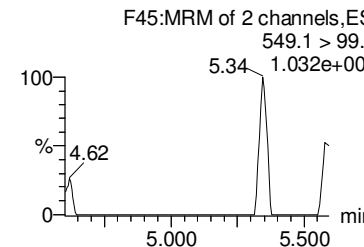
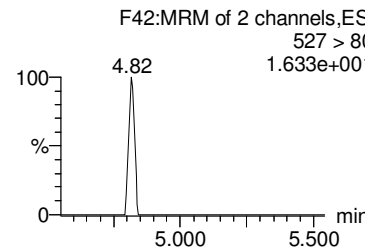
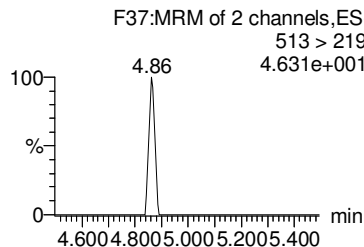
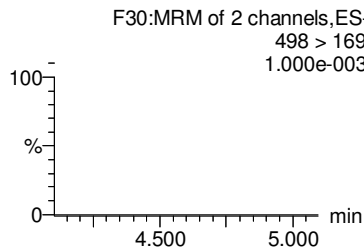
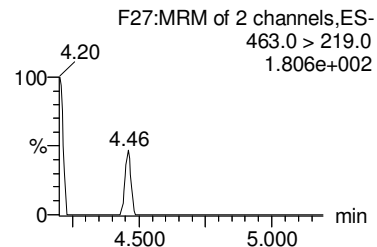
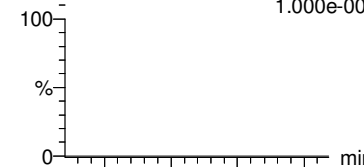
**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
1.000e-003



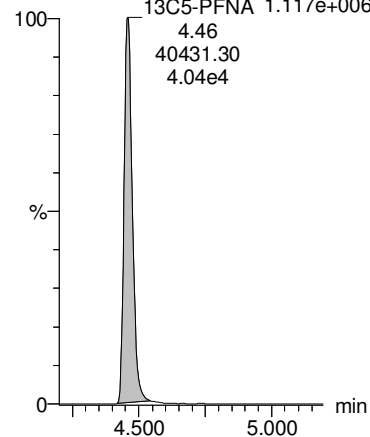
**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
1.000e-003



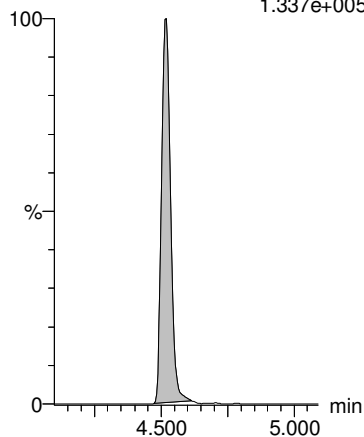
**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.117e+006



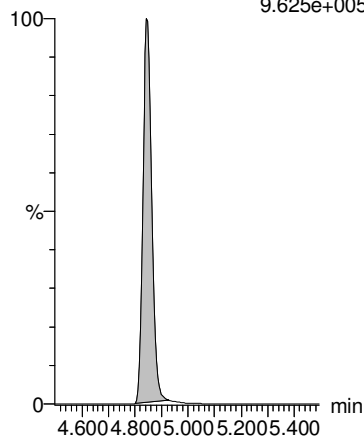
**13C8-PFOSA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
1.337e+005



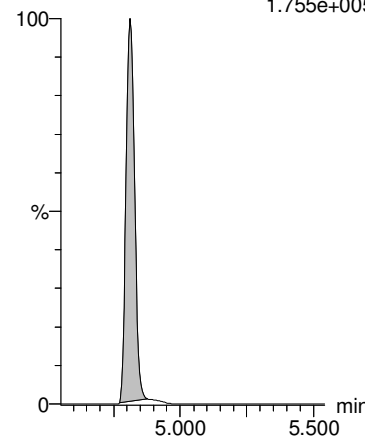
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
9.625e+005



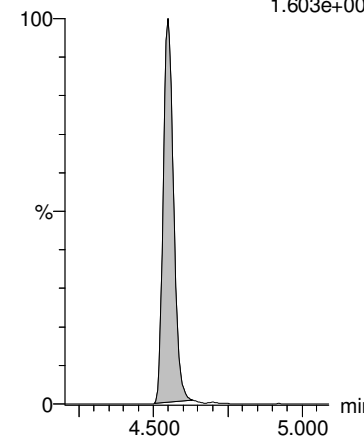
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
1.755e+005



**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.603e+005

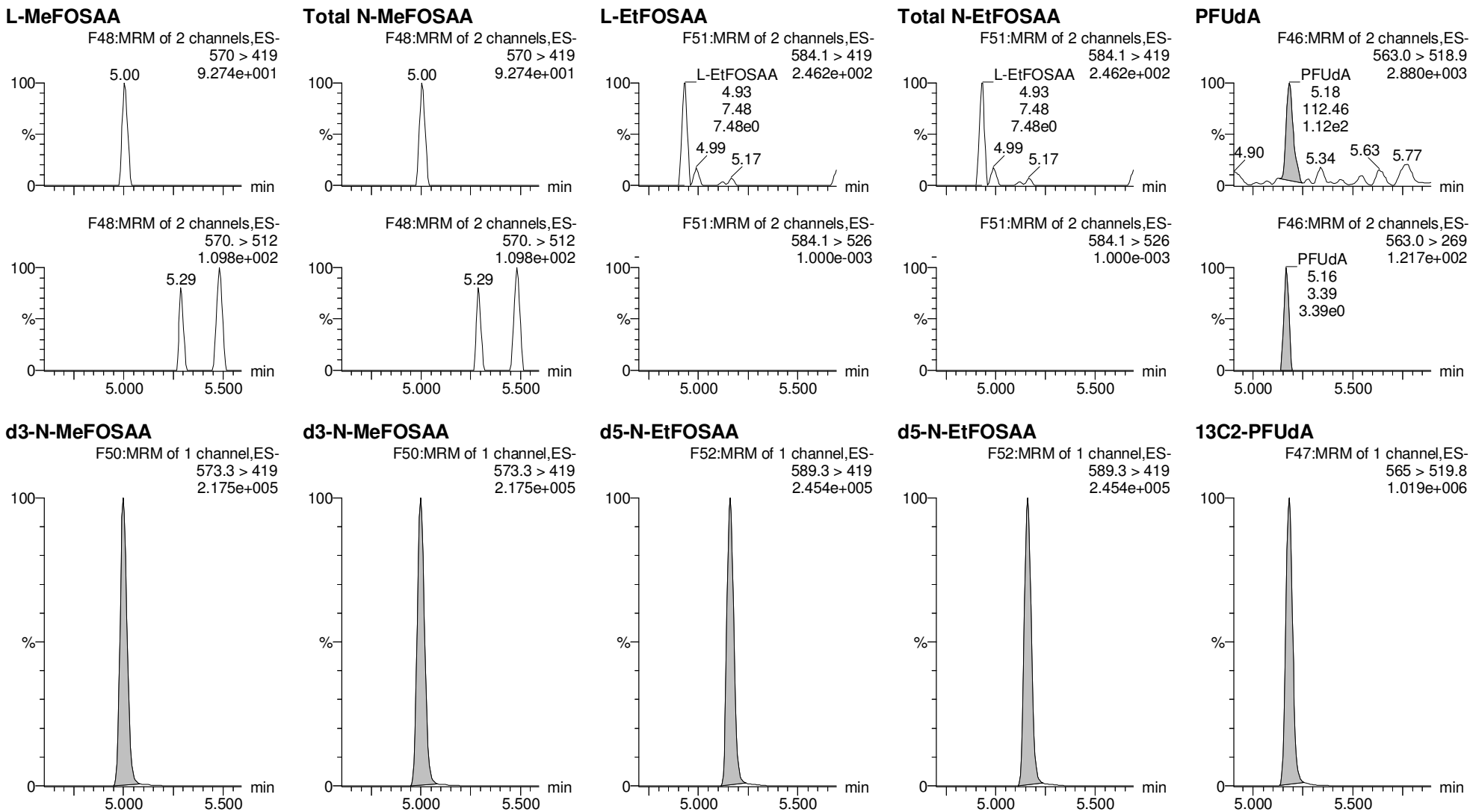


Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

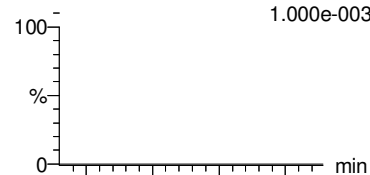
Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

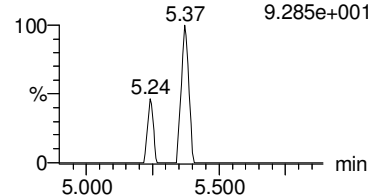
Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
1.000e-003

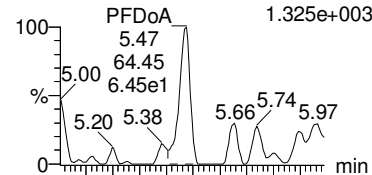


F53:MRM of 2 channels,ES-  
598.8 > 98.9  
9.285e+001

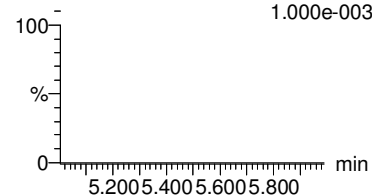


**PFDaA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
1.325e+003

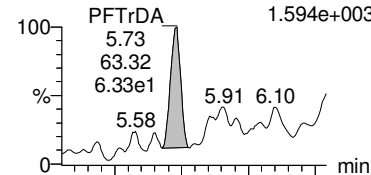


F54:MRM of 4 channels,ES-  
612.9 > 318.8  
1.000e-003

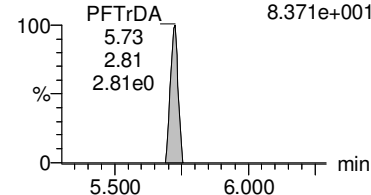


**PFTrDA**

F60:MRM of 2 channels,ES-  
662.9 > 618.9  
1.594e+003

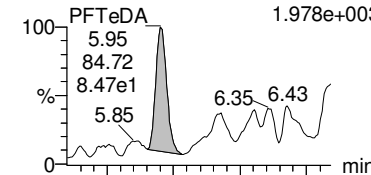


F60:MRM of 2 channels,ES-  
662.9 > 319  
8.371e+001

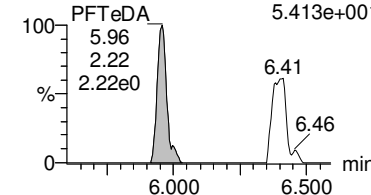


**PFTeDA**

F61:MRM of 2 channels,ES-  
712.8 > 669.0  
1.978e+003

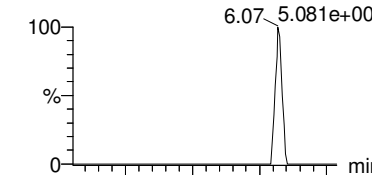


F61:MRM of 2 channels,ES-  
712.8 > 368.9  
5.413e+001

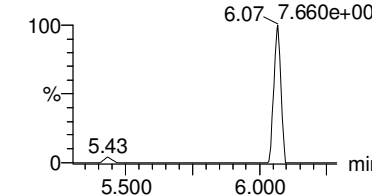


**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
5.081e+000

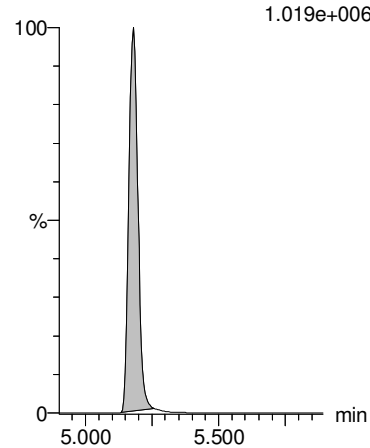


F36:MRM of 2 channels,ES-  
512.1 > 219  
7.660e+001



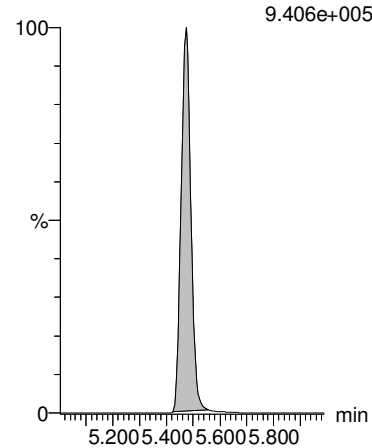
**13C2-PFUDa**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.019e+006



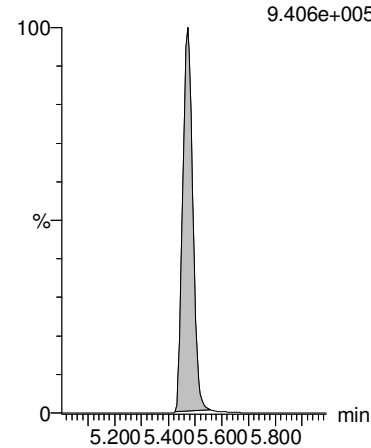
**13C2-PFDaA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
9.406e+005



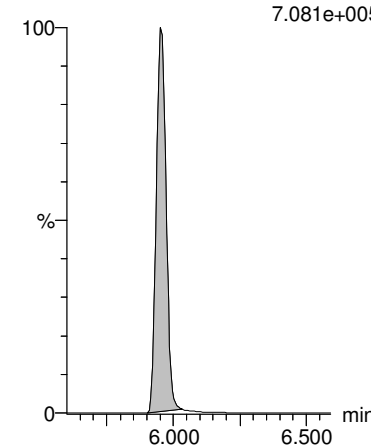
**13C2-PFDaA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
9.406e+005



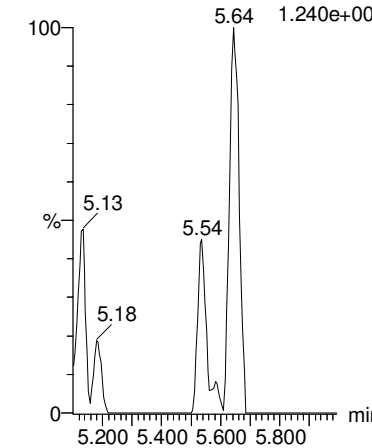
**13C2-PFTeDA**

F62:MRM of 2 channels,ES-  
714.8 > 669.6  
7.081e+005



**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
1.240e+002



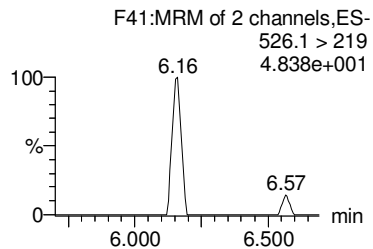
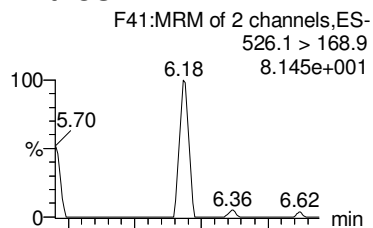
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

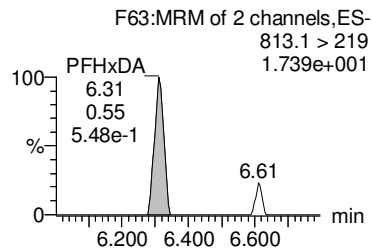
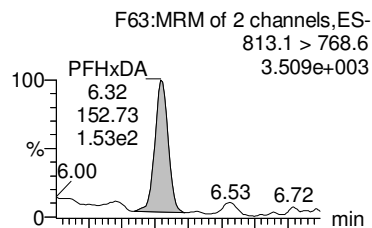
Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

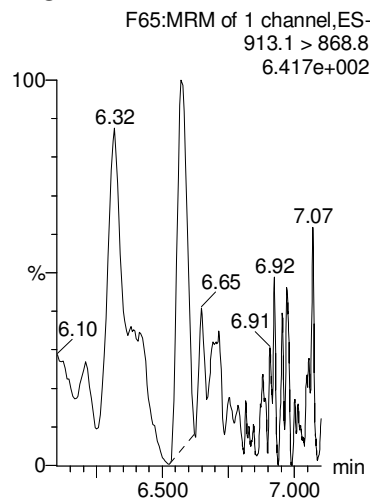
**N-EtFOSA**



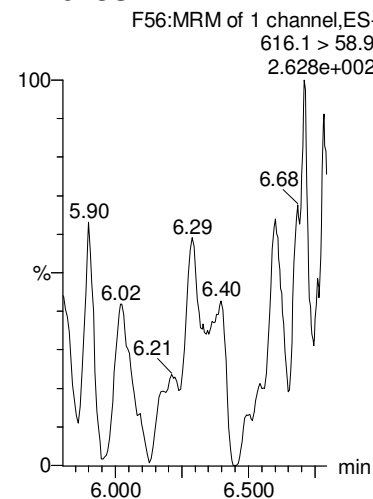
**PFHxDA**



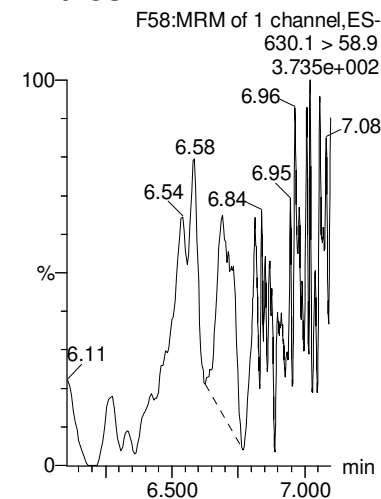
**PFODA**



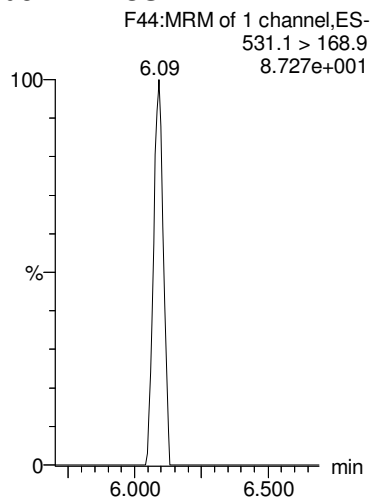
**N-MeFOSE**



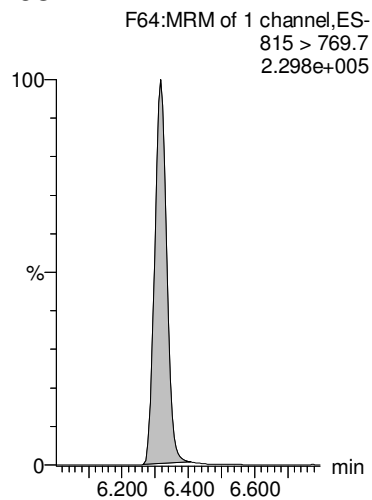
**N-EtFOSE**



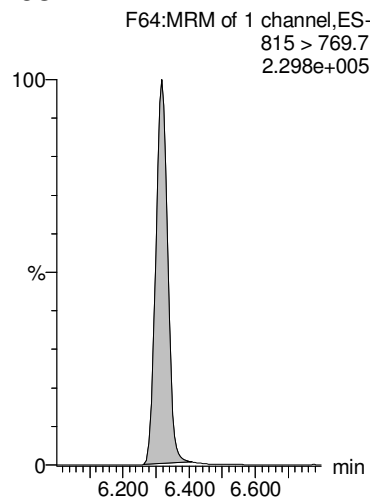
**d5-N-ETFOSA**



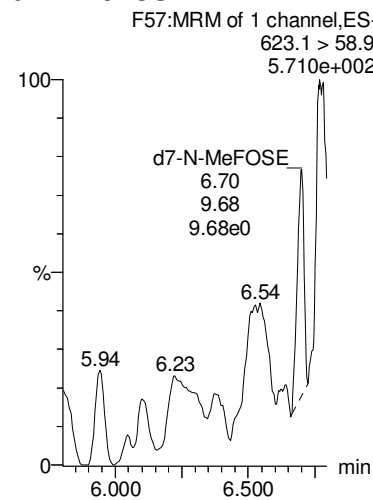
**13C2-PFHxDA**



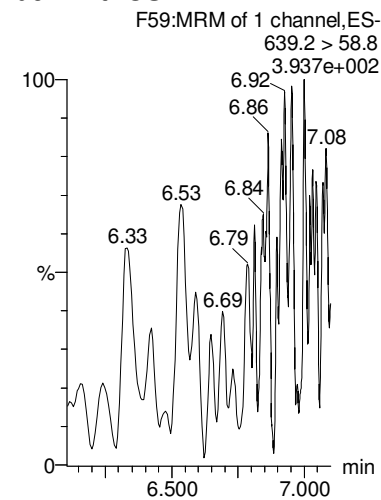
**13C2-PFHxDA**



**d7-N-MeFOSE**



**d9-N-EtFOSE**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-21.qld

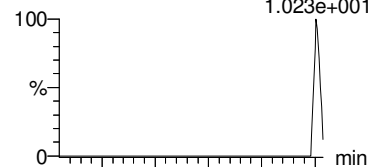
Last Altered: Tuesday, August 21, 2018 11:12:12 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:12:38 Pacific Daylight Time

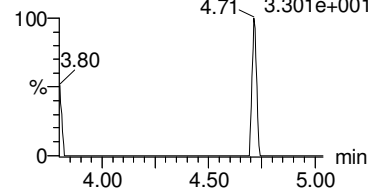
Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank

**TCDA**

F31:MRM of 3 channels,ES-  
498.3 > 106.9  
1.023e+001

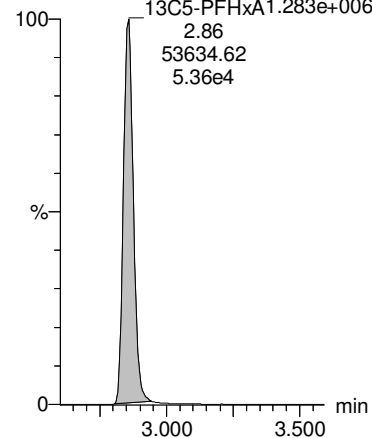


F31:MRM of 3 channels,ES-  
498.3 > 123.9  
3.301e+001



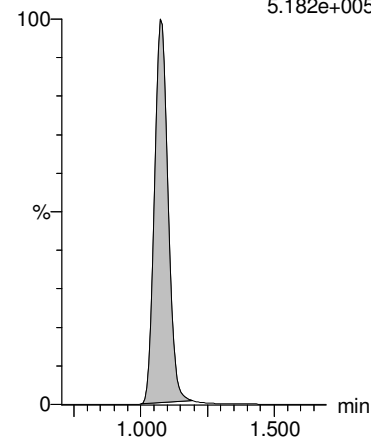
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.283e+006



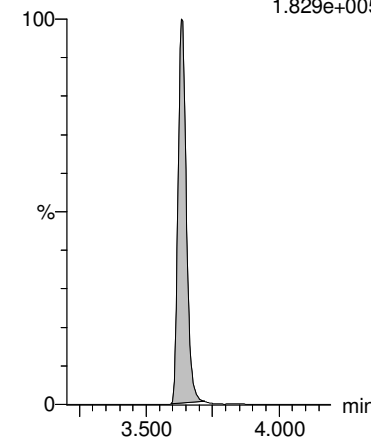
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
5.182e+005



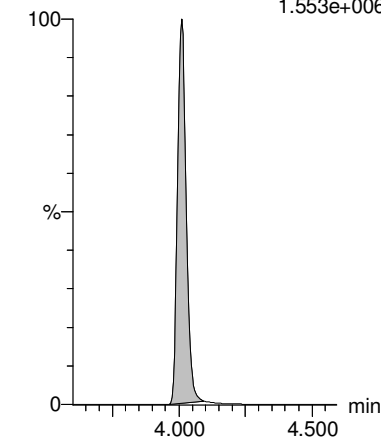
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.829e+005



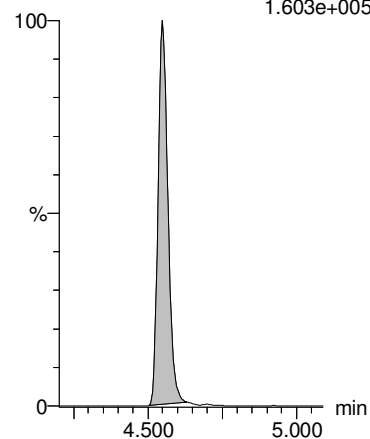
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.553e+006



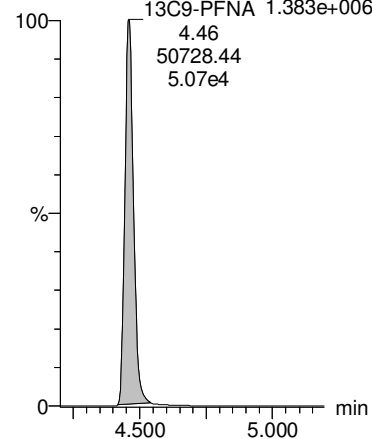
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.603e+005



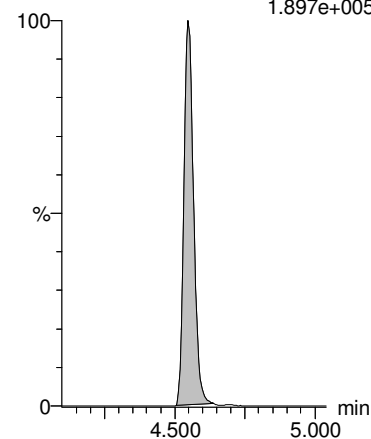
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.383e+006



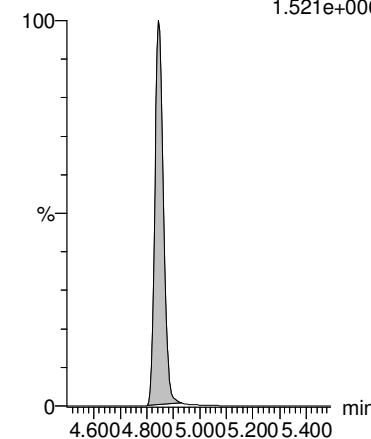
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.897e+005



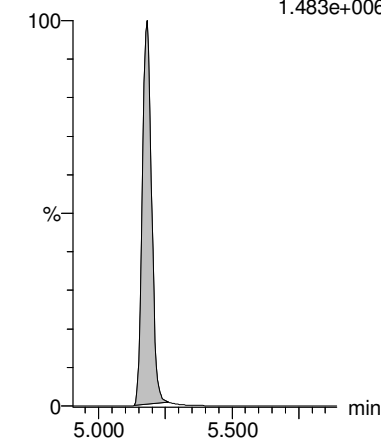
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.521e+006



**13C7-PFUDa**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.483e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.68e4	1.98e4	0.250	1.06	1.08	10.6	36.7690	91.9		
2	2 PFPeA	263.1 > 218.9	1.99e4	2.72e4	0.250	0.912	2.04	9.12	38.4552	96.1		
3	3 PFBS	299.0 > 79.7	4.22e3	3.00e3	0.250	1.76	2.34	17.6	35.2746	88.2	2.66	NO
4	4 4:2 FTS	327.2>307.2	4.72e3	6.18e3	0.250	0.956	2.77	9.56	40.0547	100.1	1.57	NO
5	5 PFHxA	313 > 269	3.10e4	1.63e4	0.250	0.951	2.86	9.51	39.6063	99.0	15.3	NO
6	36 13C3-PFBA	216.1 > 171.8	1.98e4	2.65e4	0.250	0.747	1.08	9.34	45.4645	90.9		
7	37 13C3-PFPeA	266. > 221.8	2.72e4	4.78e4	0.250	0.570	2.04	7.12	58.6045	117.2		
8	38 13C3-PFBS	302. > 98.8	3.00e3	4.78e4	0.250	0.0628	2.34	0.784	62.3828	124.8		
9	39 13C2-4:2 FTS	329.2>308.9	6.18e3	4.78e4	0.250	0.129	2.77	1.62	43.7792	87.6		
10	40 13C2-PFHxA	315 > 270	1.63e4	4.78e4	0.250	0.852	2.86	4.26	17.4861	87.4		
11	-1											
12	6 PFPeS	349.1>80.1	3.93e3	3.00e3	0.250	1.64	3.06	16.4	30.5576	76.4	1.69	NO
13	7 PFHpA	363.0 > 318.9	2.10e4	2.53e4	0.250	1.04	3.48	10.4	37.0253	92.6	19.1	NO
14	8 L-PFHxS	398.9 > 79.6	3.09e3	2.44e3	0.250	1.58	3.64	15.8	36.5839	91.5	1.60	NO
15	68 Total PFHxS	398.9 > 79.6	3.09e3	2.44e3	0.250			15.8	36.5839			
16	10 6:2 FTS	427.1 > 407	5.30e3	6.32e3	0.250	1.05	3.95	10.5	41.1952	103.0	2.73	NO
17	38 13C3-PFBS	302. > 98.8	3.00e3	4.78e4	0.250	0.0628	2.34	0.784	62.3828	124.8		
18	41 13C4-PFHpA	367.2 > 321.8	2.53e4	4.78e4	0.250	0.530	3.48	6.63	43.3283	86.7		
19	42 18O2-PFHxS	403.0 > 102.6	2.44e3	5.73e3	0.250	0.425	3.63	5.31	43.9645	87.9		
20	42 18O2-PFHxS	403.0 > 102.6	2.44e3	5.73e3	0.250	0.425	3.63	5.31	43.9645	87.9		
21	43 13C2-6:2 FTS	429.1 > 408.9	6.32e3	5.16e4	0.250	0.123	3.95	1.53	42.9147	85.8		
22	-1											
23	11 L-PFOA	412.9 > 368.9	2.86e4	3.74e4	0.250	0.958	4.01	9.58	37.8929	94.7	2.73	NO
24	69 Total PFOA	412.9 > 368.9	2.86e4	3.74e4	0.250			9.58	37.8929			
25	13 PFHpS	449 > 80.0	4.08e3	5.83e3	0.250	0.873	4.13	8.73	41.0460	102.6	1.87	NO
26	16 L-PFOS	498.9 > 79.9	4.33e3	5.83e3	0.250	0.927	4.55	9.27	40.2584	100.6	1.90	NO
27	70 Total PFOS	498.9 > 79.9	4.33e3	5.83e3	0.250			9.27	40.2584			
28	44 13C2-PFOA	414.9 > 369.7	3.74e4	5.16e4	0.250	0.725	4.01	9.06	44.1369	88.3		
29	44 13C2-PFOA	414.9 > 369.7	3.74e4	5.16e4	0.250	0.725	4.01	9.06	44.1369	88.3		
30	47 13C8-PFOS	507.0 > 79.9	5.83e3	6.63e3	0.250	0.880	4.55	11.0	41.8140	83.6		
31	47 13C8-PFOS	507.0 > 79.9	5.83e3	6.63e3	0.250	0.880	4.55	11.0	41.8140	83.6		
32	47 13C8-PFOS	507.0 > 79.9	5.83e3	6.63e3	0.250	0.880	4.55	11.0	41.8140	83.6		
33	-1											
34	14 PFNA	463.0 > 418.8	3.12e4	3.81e4	0.250	1.03	4.46	10.3	34.8510	87.1	4.69	NO
35	15 PFOSA	498 > 77.9	3.50e3	4.47e3	0.250	0.978	4.52	9.78	37.8314	94.6	34.5	NO
36	18 PFDA	513 > 468.8	3.20e4	3.39e4	0.250	1.18	4.84	11.8	37.8931	94.7	6.40	NO

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9	5.58e3	5.29e3	0.250	1.32	4.81	13.2	41.5289	103.8	2.29	NO
38	20 PFNS	549.1 > 80.1	3.62e3	5.83e3	0.250	0.776	4.91	7.76	37.7872	94.5	1.62	NO
39	45 13C5-PFNA	468.2 > 422.9	3.81e4	4.37e4	0.250	0.870	4.46	10.9	44.7162	89.4		
40	46 13C8-PFOSA	506.1 > 77.7	4.47e3	5.08e4	0.250	0.0880	4.52	1.10	25.0657	50.1		
41	48 13C2-PFDA	515.1 > 469.9	3.39e4	4.72e4	0.250	0.719	4.84	8.99	37.5606	75.1		
42	49 13C2-8:2 FTS	529.1 > 508.7	5.29e3	5.16e4	0.250	0.103	4.81	1.28	43.2140	86.4		
43	47 13C8-PFOS	507.0 > 79.9	5.83e3	6.63e3	0.250	0.880	4.55	11.0	41.8140	83.6		
44	-1											
45	21 L-MeFOSAA	570 > 419	7.25e3	8.07e3	0.250	1.12	5.00	11.2	37.1710	92.9	2.55	NO
46	71 Total N-MeFOSAA	570. > 419	7.25e3	8.07e3	0.250			11.2	37.1710			
47	23 L-EtFOSAA	584.1 > 419	6.32e3	8.92e3	0.250	0.886	5.17	8.86	37.8826	94.7	1.41	NO
48	72 Total N-EtFOSAA	584.1 > 419	6.32e3	8.92e3	0.250			8.86	37.8826			
49	25 PFUdA	563.0 > 518.9	2.63e4	3.63e4	0.250	0.907	5.18	9.07	37.6925	94.2	12.0	NO
50	50 d3-N-MeFOSAA	573.3 > 419	8.07e3	5.08e4	0.250	0.159	5.00	1.99	32.9258	65.9		
51	50 d3-N-MeFOSAA	573.3 > 419	8.07e3	5.08e4	0.250	0.159	5.00	1.99	32.9258	65.9		
52	52 d5-N-EtFOSAA	589.3 > 419	8.92e3	5.08e4	0.250	0.176	5.16	2.20	33.5297	67.1		
53	52 d5-N-EtFOSAA	589.3 > 419	8.92e3	5.08e4	0.250	0.176	5.16	2.20	33.5297	67.1		
54	51 13C2-PFUdA	565 > 519.8	3.63e4	5.08e4	0.250	0.716	5.18	8.95	36.4040	72.8		
55	-1											
56	26 PFDS	598.8 > 79.9	3.95e3	5.83e3	0.250	0.847	5.23	8.47	36.8219	92.1	1.56	NO
57	27 PFDoA	612.9 > 569.0	2.97e4	3.66e4	0.250	1.01	5.47	10.1	36.6332	91.6	8.44	NO
58	29 PFTTrDA	662.9 > 618.9	3.16e4	3.66e4	0.250	1.08	5.73	10.8	37.5596	93.9	29.9	NO
59	30 PFTeDA	712.8 > 669.0	2.70e4	2.94e4	0.250	1.15	5.96	11.5	35.9615	89.9	12.4	NO
60	28 N-MeFOSA	512.1 > 168.9	1.92e3	1.83e1	0.250	315	5.60	15700			1.36	NO
61	51 13C2-PFUdA	565 > 519.8	3.63e4	5.08e4	0.250	0.716	5.18	8.95	36.4040	72.8		
62	53 13C2-PFDoA	615.0 > 569.7	3.66e4	4.72e4	0.250	0.776	5.47	9.70	35.8363	71.7		
63	53 13C2-PFDoA	615.0 > 569.7	3.66e4	4.72e4	0.250	0.776	5.47	9.70	35.8363	71.7		
64	55 13C2-PFTeDA	714.8 > 669.6	2.94e4	5.08e4	0.250	0.579	5.95	7.24	37.2930	74.6		
65	54 d3-N-MeFOSA	515.2 > 168.9	1.83e1	5.08e4	0.250	0.0000...	5.60	0.00451	0.2840	0.0		
66	-1											
67	31 N-EtFOSA	526.1 > 168.9	2.09e3		0.250	0.000	6.06				1.48	NO
68	32 PFHxDA	813.1 > 768.6	1.25e4	9.48e3	0.250	0.657	6.32	6.57	39.1771	97.9	38.2	NO
69	33 PFOA	913.1 > 868.8	7.19e1	9.48e3	0.250	0.00379	6.57	0.0379	0.1341	0.3		
70	34 N-MeFOSE	616.1 > 58.9	3.56e3		0.250	0.000	6.28					
71	35 N-EtFOSE	630.1 > 58.9	4.52e3		0.250	0.000	6.44					
72	56 d5-N-ETFOSA	531.1 > 168.9		5.08e4	0.250							

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	9.48e3	5.08e4	0.250	0.467	6.32	2.34	9.4375	47.2		
74	57 13C2-PFHxDA	815 > 769.7	9.48e3	5.08e4	0.250	0.467	6.32	2.34	9.4375	47.2		
75	58 d7-N-MeFOSE	623.1 > 58.9		5.08e4	0.250							
76	59 d9-N-EtFOSE	639.2 > 58.8		5.08e4	0.250							
77	-1											
78	73 TCDA	498.3>106.9			0.250							
79	61 13C5-PFHxA	318 > 272.9	4.78e4	4.78e4	0.250	1.00	2.86	12.5	50.0000	100.0		
80	60 13C4-PFBA	217. > 172	2.65e4	2.65e4	0.250	1.00	1.08	12.5	50.0000	100.0		
81	62 13C3-PFHxS	401.8 > 79.9	5.73e3	5.73e3	0.250	1.00	3.63	12.5	50.0000	100.0		
82	63 13C8-PFOA	420.9 > 376	5.16e4	5.16e4	0.250	1.00	4.01	12.5	50.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	5.83e3	6.63e3	0.250	0.880	4.55	11.0	41.8140	83.6		
84	64 13C9-PFNA	472.2 > 426.9	4.37e4	4.37e4	0.250	1.00	4.46	12.5	50.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	6.63e3	6.63e3	0.250	1.00	4.55	12.5	50.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	4.72e4	4.72e4	0.250	1.00	4.84	12.5	50.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	5.08e4	5.08e4	0.250	1.00	5.18	12.5	50.0000	100.0		

H  
H

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

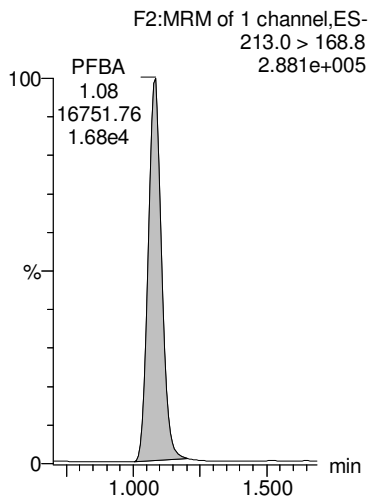
Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

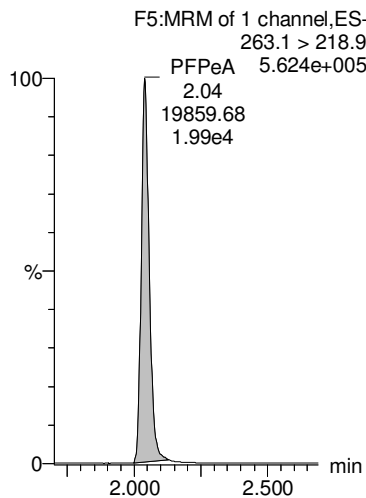
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

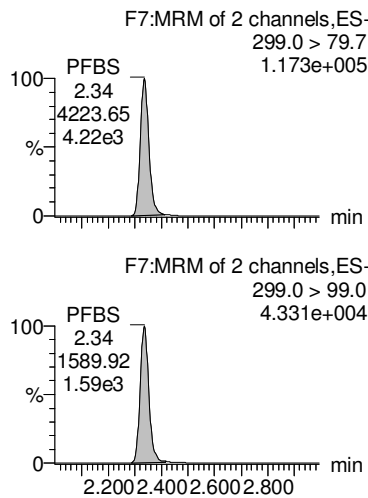
**PFBA**



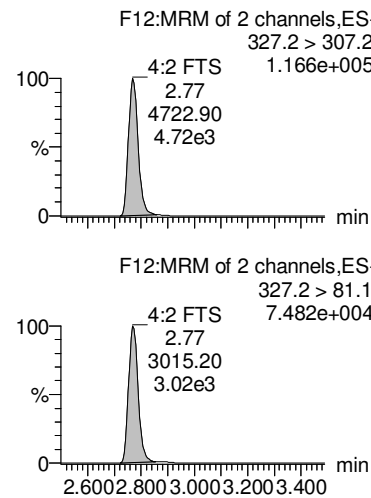
**PFPeA**



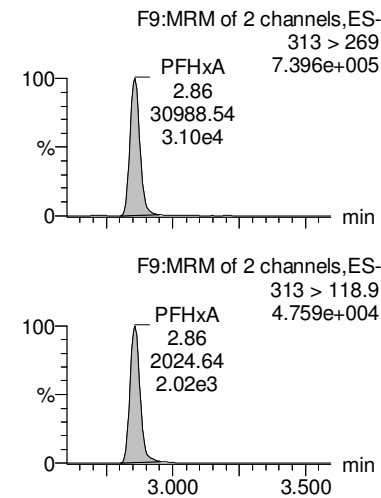
**PFBS**



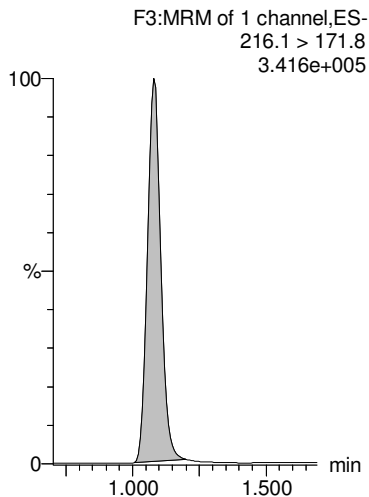
**4:2 FTS**



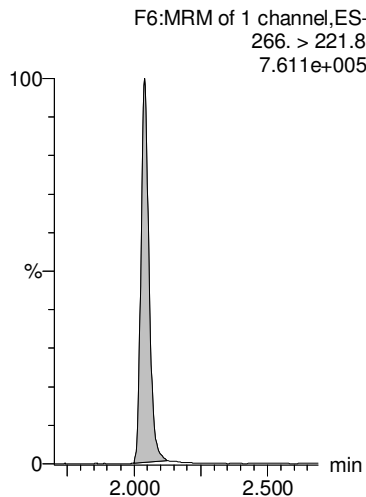
**PFHxA**



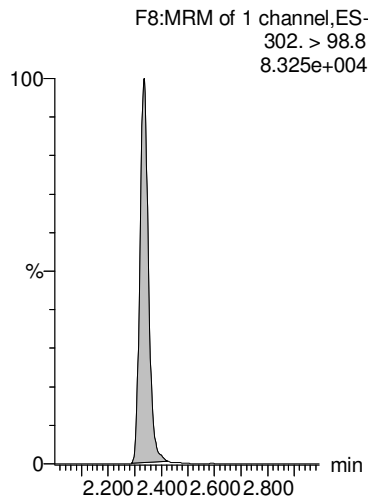
**13C3-PFBA**



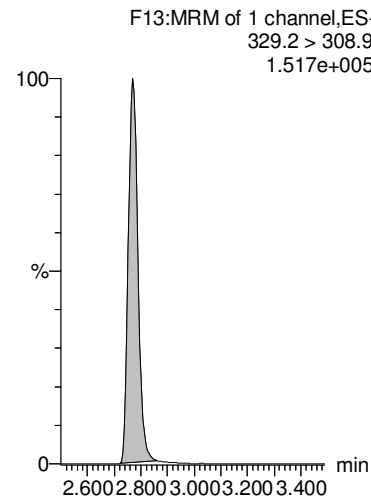
**13C3-PFPeA**



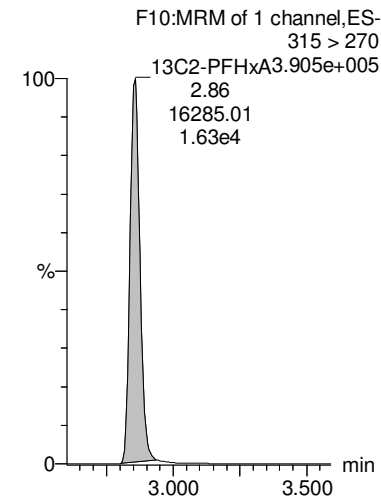
**13C3-PFBS**



**13C2-4:2 FTS**



**13C2-PFHxA**



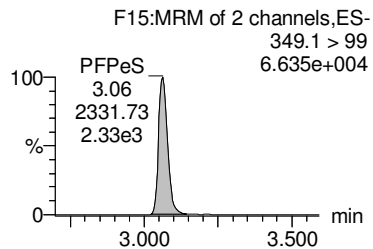
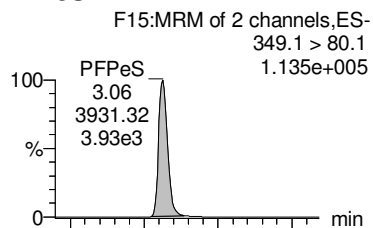
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

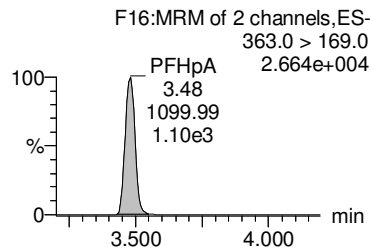
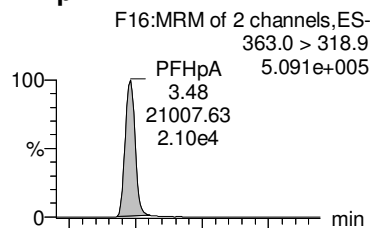
Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

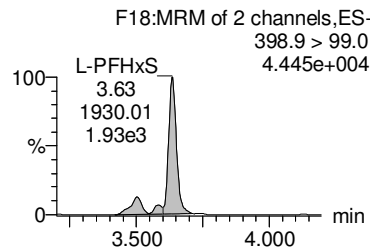
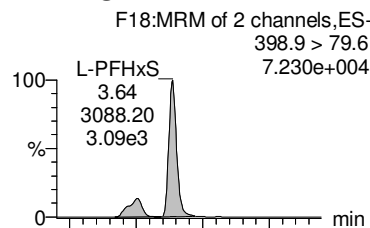
**PFPeS**



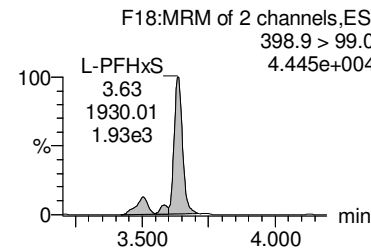
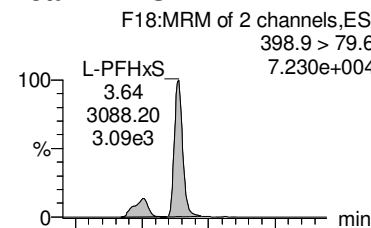
**PFHpA**



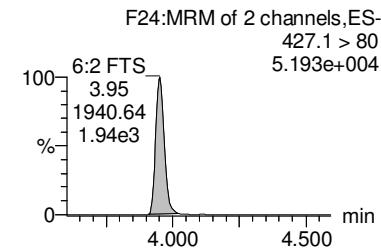
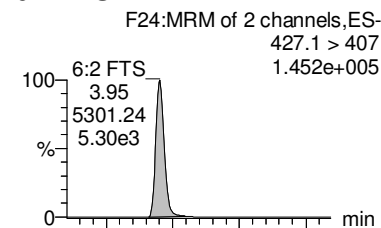
**L-PFHxS**



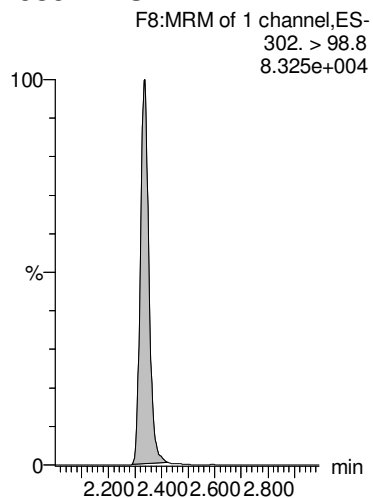
**Total PFHxS**



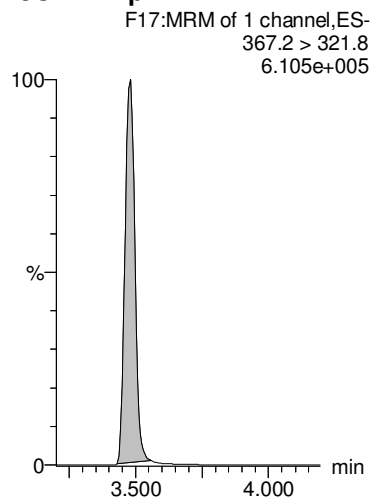
**6:2 FTS**



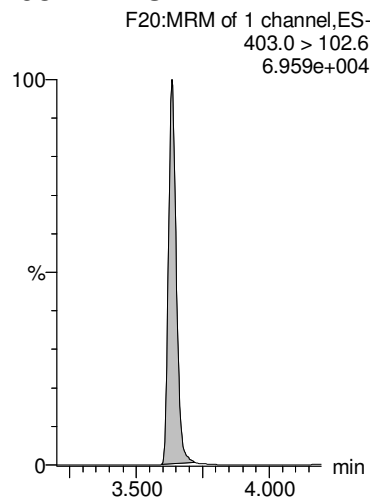
**13C3-PFBS**



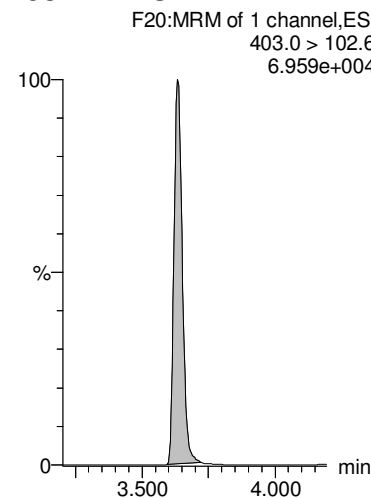
**13C4-PFHpA**



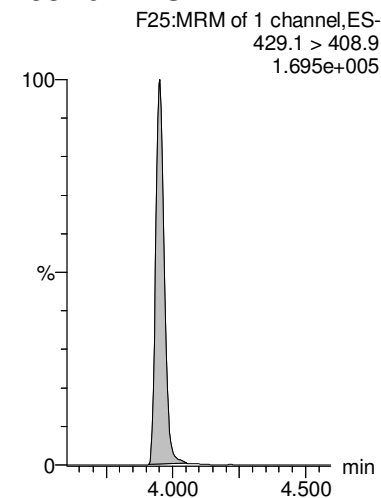
**18O2-PFHxS**



**18O2-PFHxS**



**13C2-6:2 FTS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

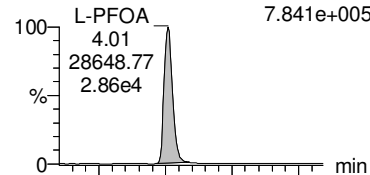
Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

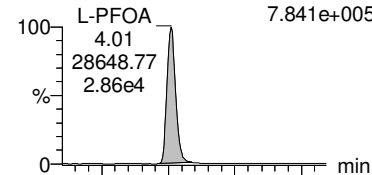
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
7.841e+005



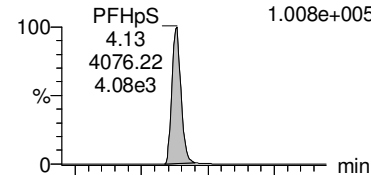
**Total PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
7.841e+005



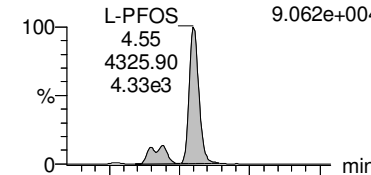
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
1.008e+005



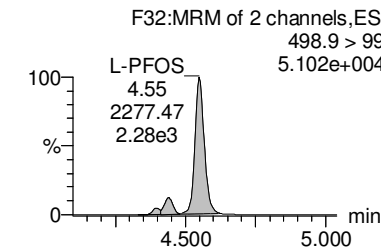
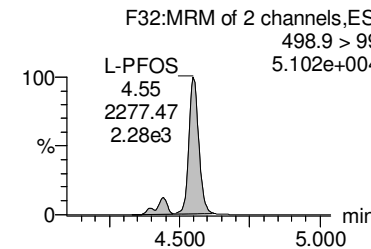
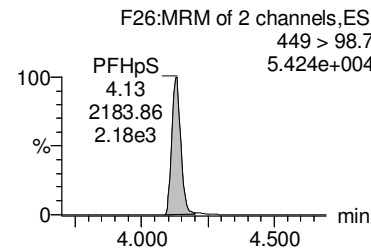
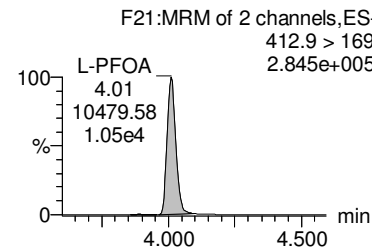
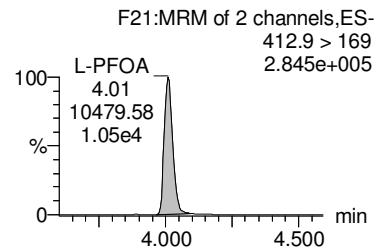
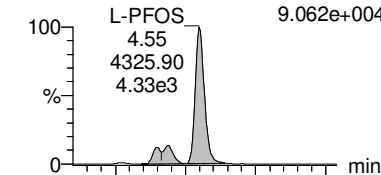
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
9.062e+004



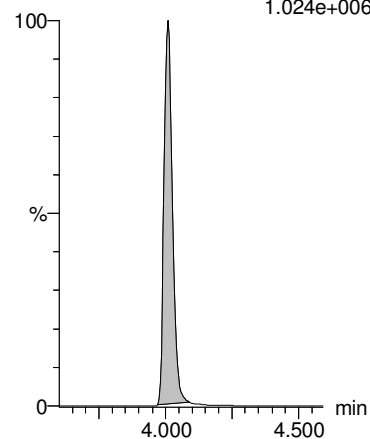
**Total PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
9.062e+004



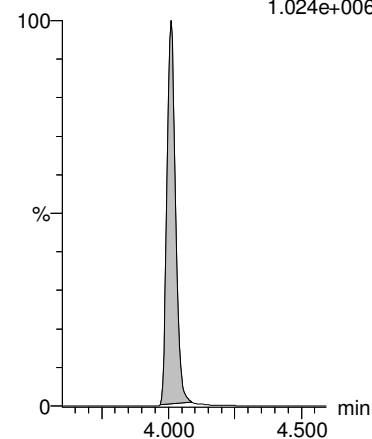
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.024e+006



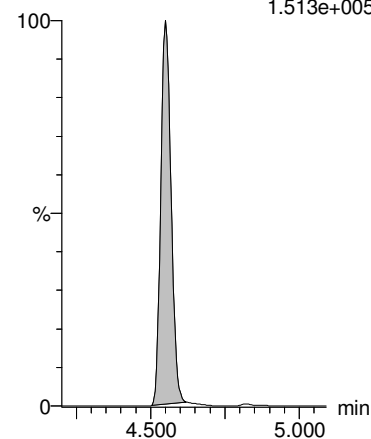
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.024e+006



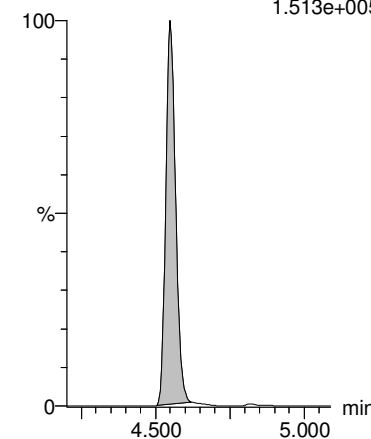
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.513e+005



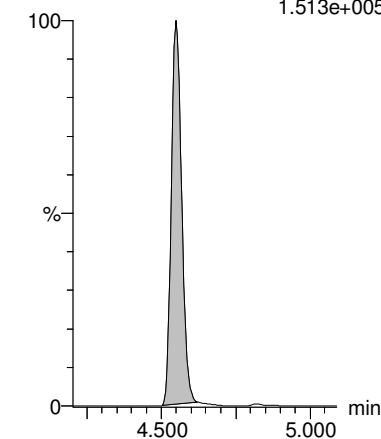
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.513e+005



**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.513e+005



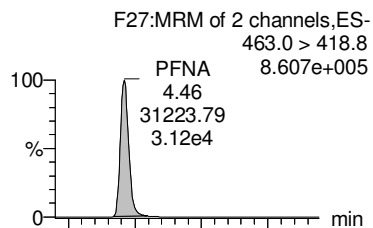
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

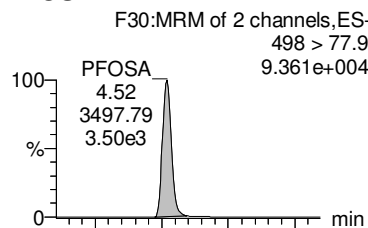
Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

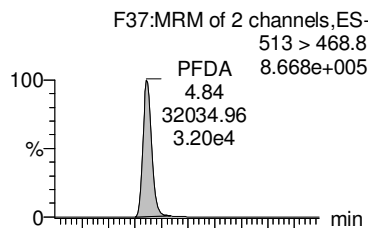
**PFNA**



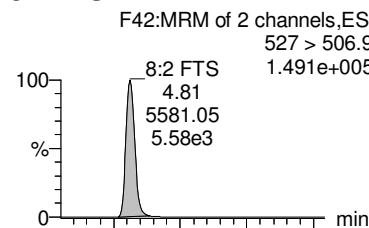
**PFOSA**



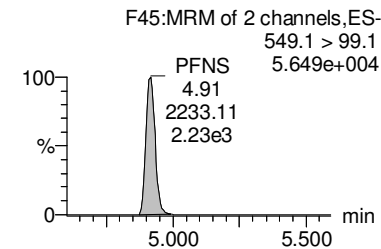
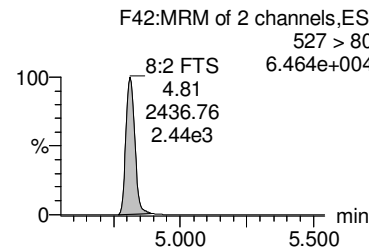
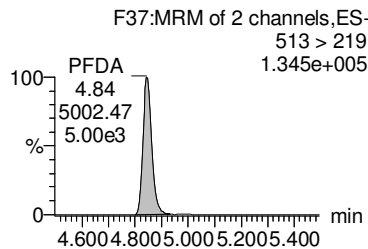
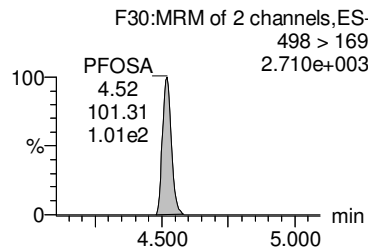
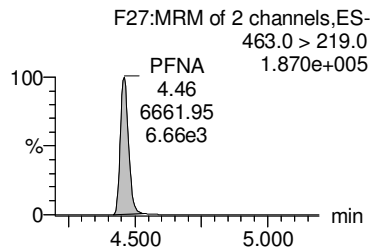
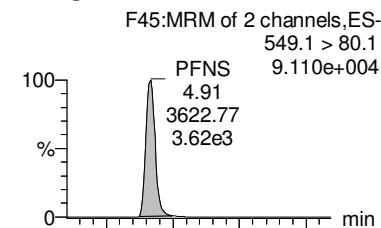
**PFDA**



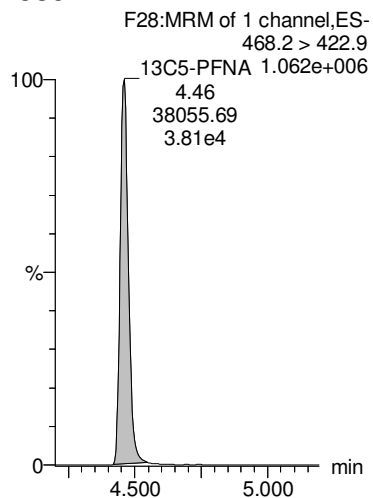
**8:2 FTS**



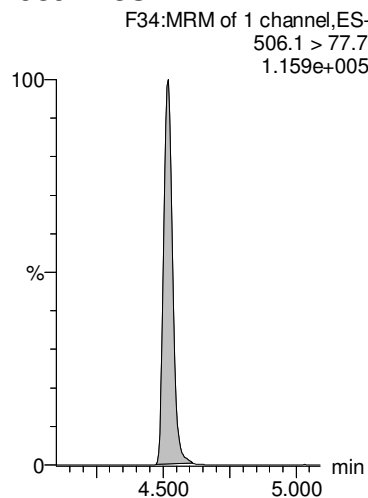
**PFNS**



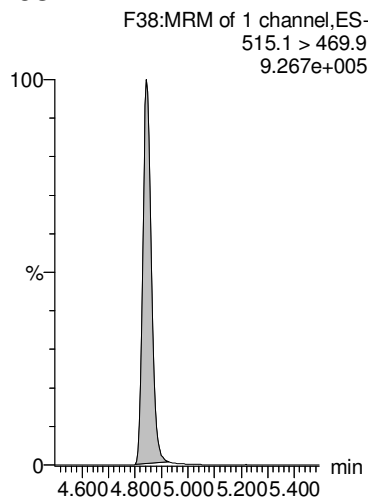
**13C5-PFNA**



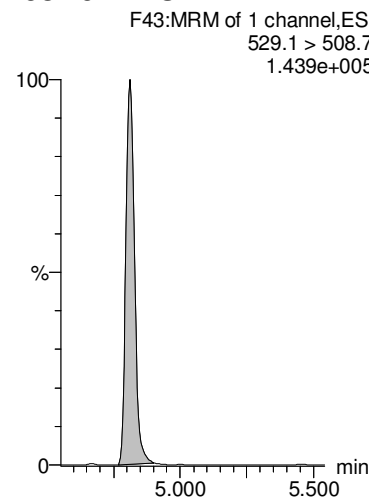
**13C8-PFOSA**



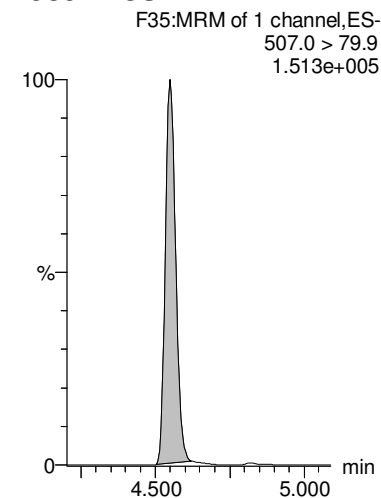
**13C2-PFDA**



**13C2-8:2 FTS**



**13C8-PFOS**



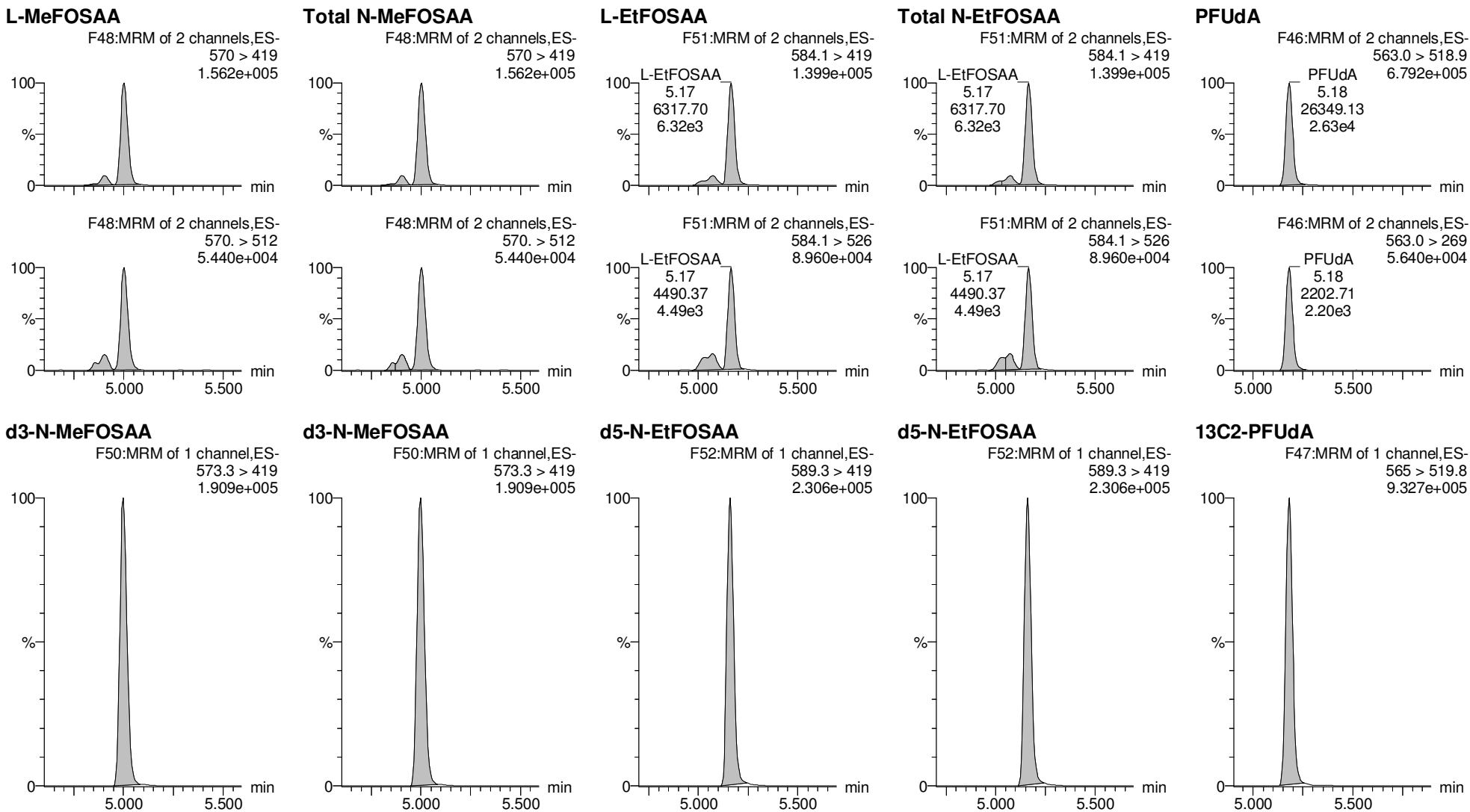


Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR



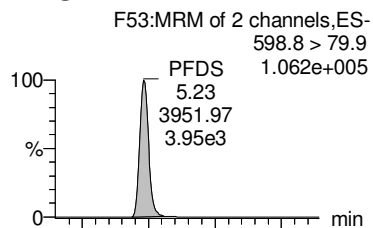
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

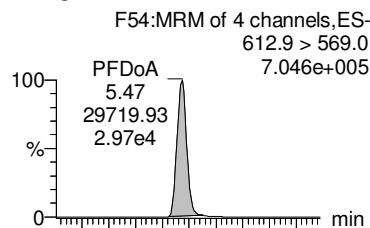
Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

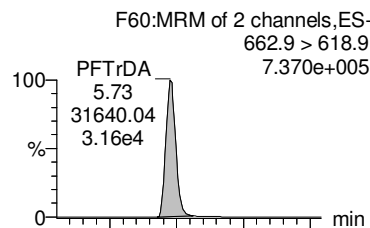
**PFDS**



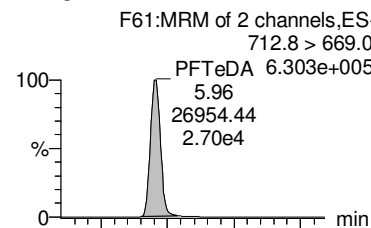
**PFDoA**



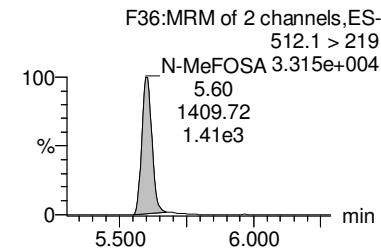
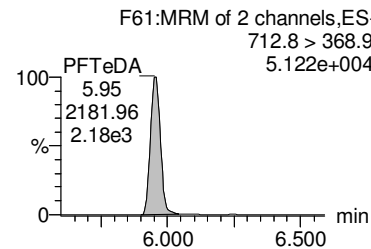
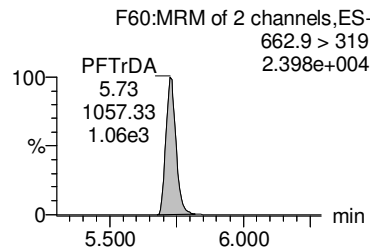
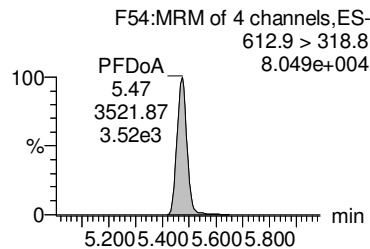
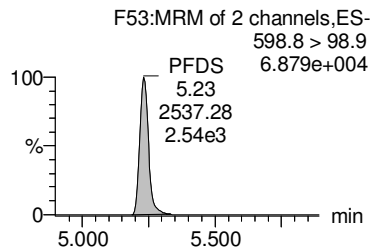
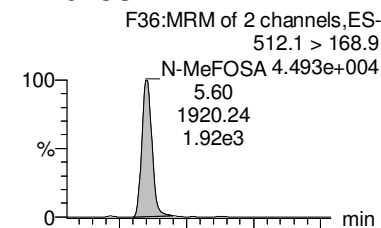
**PFTTrDA**



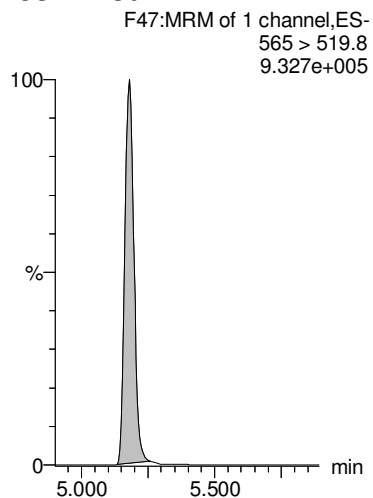
**PFTeDA**



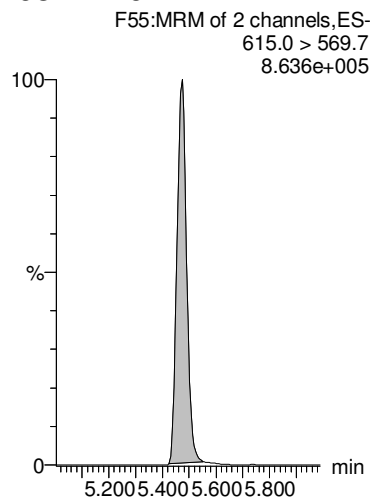
**N-MeFOSA**



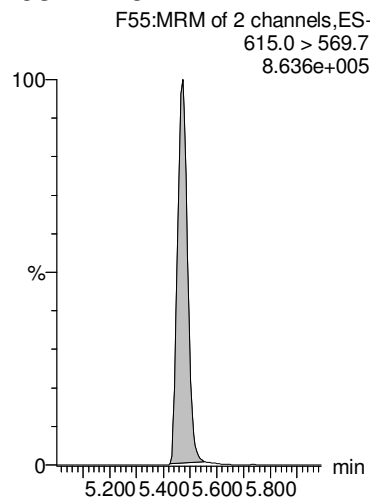
**13C2-PFUDa**



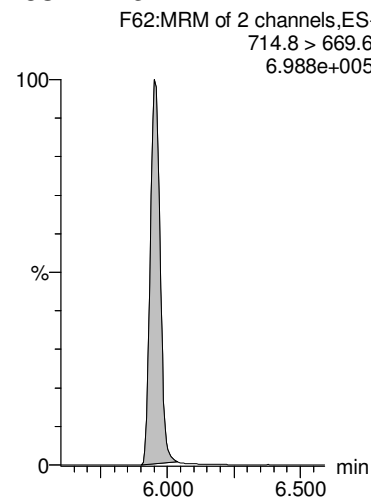
**13C2-PFDoA**



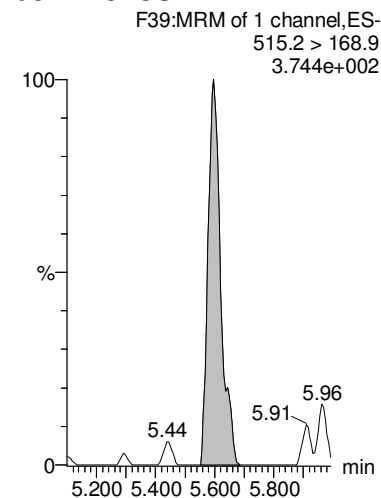
**13C2-PFDoA**



**13C2-PFTeDA**



**d3-N-MeFOSA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

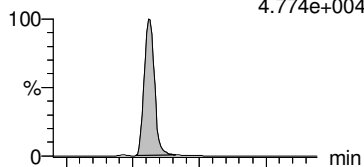
Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

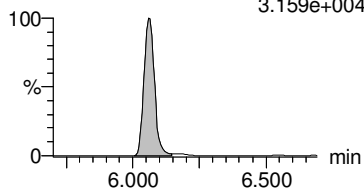
Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

**N-EtFOSEA**

F41:MRM of 2 channels,ES-  
526.1 > 168.9  
4.774e+004

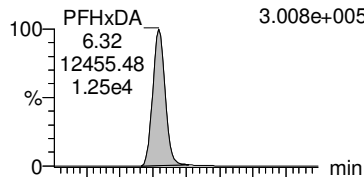


F41:MRM of 2 channels,ES-  
526.1 > 219  
3.159e+004

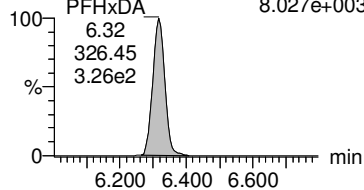


**PFHxDA**

F63:MRM of 2 channels,ES-  
813.1 > 768.6  
3.008e+005

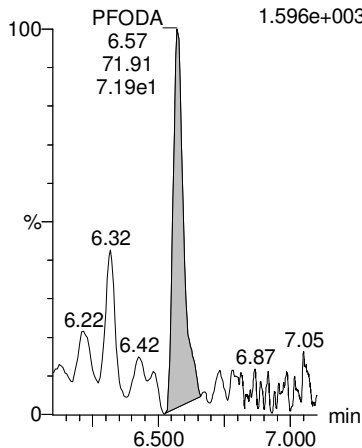


F63:MRM of 2 channels,ES-  
813.1 > 219  
8.027e+003



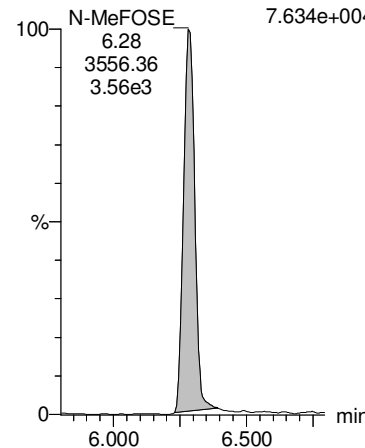
**PFODA**

F65:MRM of 1 channel,ES-  
913.1 > 868.8  
1.596e+003



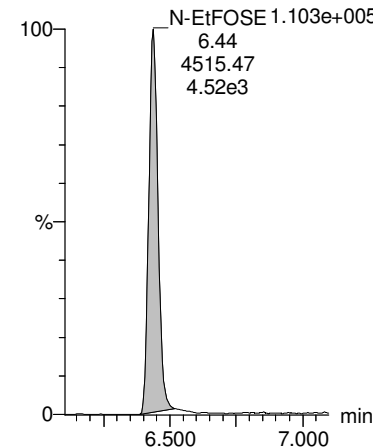
**N-MeFOSE**

F56:MRM of 1 channel,ES-  
616.1 > 58.9  
7.634e+004



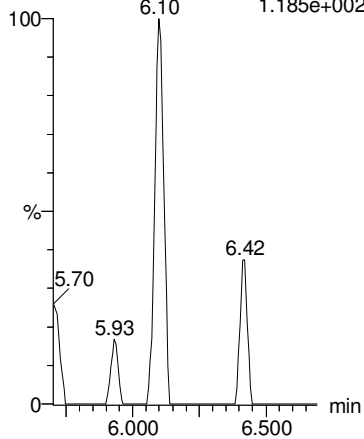
**N-EtFOSE**

F58:MRM of 1 channel,ES-  
630.1 > 58.9  
1.103e+005



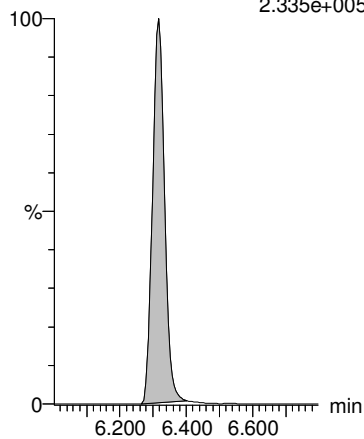
**d5-N-ETFOSEA**

F44:MRM of 1 channel,ES-  
531.1 > 168.9  
1.185e+002



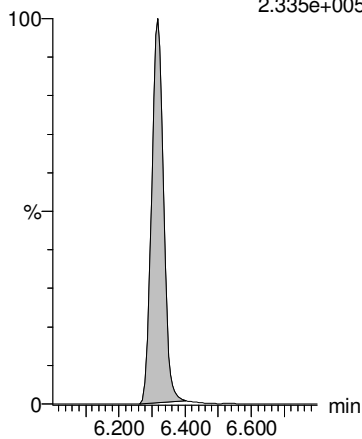
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
2.335e+005



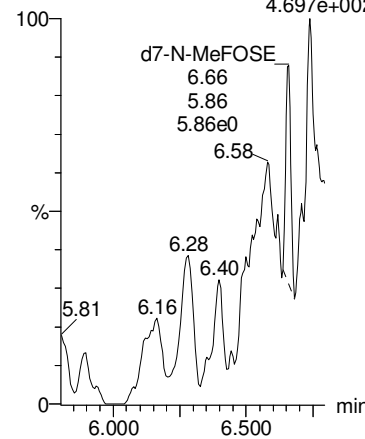
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
2.335e+005



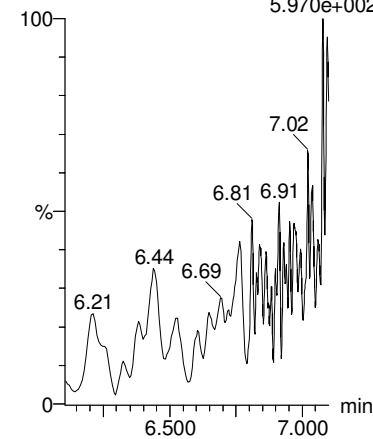
**d7-N-MeFOSE**

F57:MRM of 1 channel,ES-  
623.1 > 58.9  
4.697e+002



**d9-N-EtFOSE**

F59:MRM of 1 channel,ES-  
639.2 > 58.8  
5.970e+002



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-18.qld

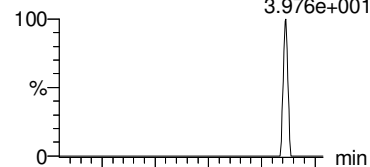
Last Altered: Tuesday, August 21, 2018 11:07:02 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:08:10 Pacific Daylight Time

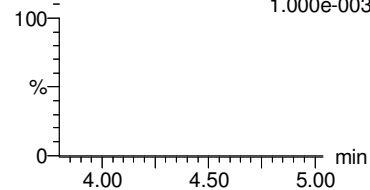
Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR

**TCDA**

F31:MRM of 3 channels,ES-  
498.3 > 106.9  
3.976e+001

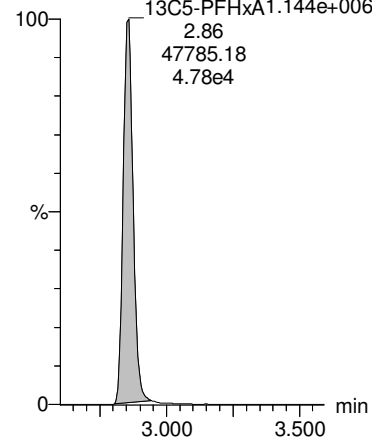


F31:MRM of 3 channels,ES-  
498.3 > 123.9  
1.000e-003



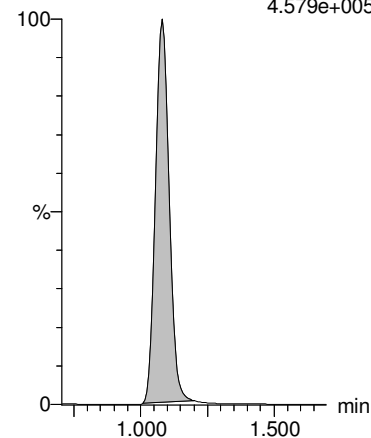
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.144e+006



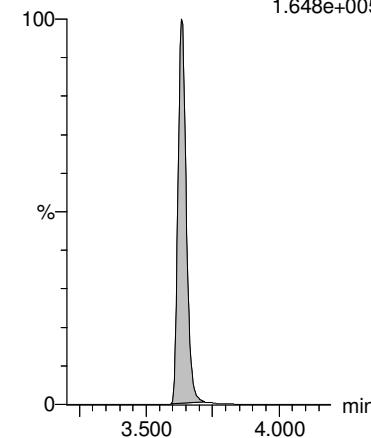
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
4.579e+005



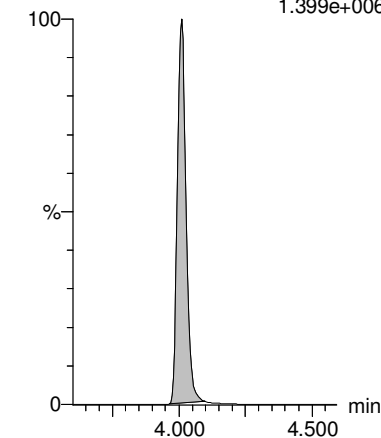
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.648e+005



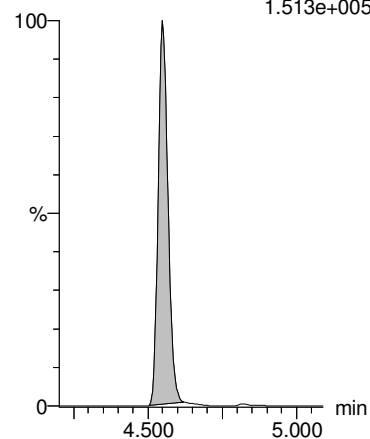
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.399e+006



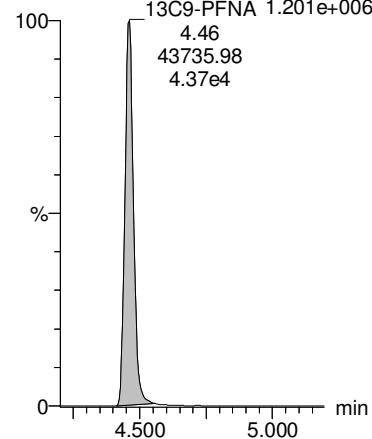
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.513e+005



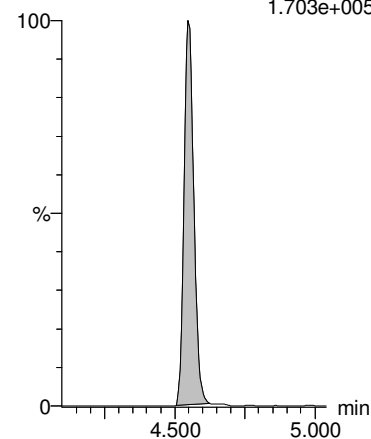
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.201e+006



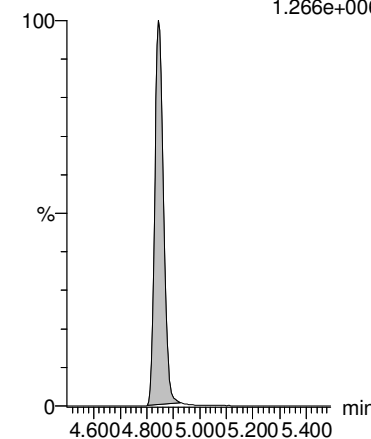
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.703e+005



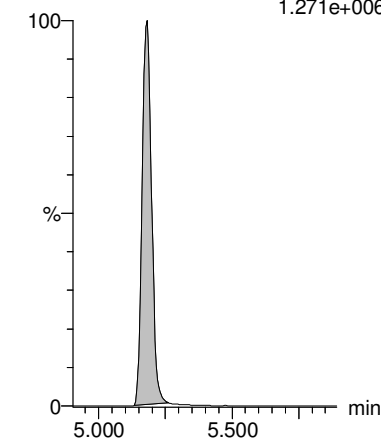
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.266e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.271e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		1.77e4	0.245		1.08						
2	2 PFPeA	263.1 > 218.9		2.53e4	0.245		2.04						
3	3 PFBS	299.0 > 79.7		2.87e3	0.245		2.33						
4	5 PFHxA	313 > 269		1.55e4	0.245		2.86						
5	7 PFHpA	363.0 > 318.9		2.33e4	0.245		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.77e4	2.36e4	0.245	0.749	1.16	1.08	9.37	46.4654	91.2		
7	37 13C3-PFPeA	266. > 221.8	2.53e4	4.22e4	0.245	0.599	2.14	2.04	7.49	62.8632	123.3		
8	38 13C3-PFBS	302. > 98.8	2.87e3	4.22e4	0.245	0.0680	2.44	2.33	0.850	68.9402	135.3		
9	40 13C2-PFHxA	315 > 270	1.55e4	4.22e4	0.245	0.920	2.95	2.86	4.60	19.2378	94.4		
10	41 13C4-PFHpA	367.2 > 321.8	2.33e4	4.22e4	0.245	0.552	3.56	3.48	6.89	45.9264	90.1		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	6.09e0	2.37e3	0.245	0.000	3.51	3.63	0.0321	0.1329		0.675	YES
13	68 Total PFHxS	398.9 > 79.6	6.09e0	2.37e3	0.245		3.65		0.0321	0.1329			
14	11 L-PFOA	412.9 > 368.9	2.86e2	3.58e4	0.245	0.000	4.00	4.01	0.100	0.2682		2.453	NO
15	69 Total PFOA	412.9 > 368.9	2.86e2	3.58e4	0.245		4.48		0.100	0.2682			
16	15 PFOSA	498 > 77.9		4.38e3	0.245		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.37e3	5.34e3	0.245	0.444	3.72	3.63	5.54	46.7735	91.8		
18	42 18O2-PFHxS	403.0 > 102.6	2.37e3	5.34e3	0.245	0.444	3.72	3.63	5.54	46.7735	91.8		
19	44 13C2-PFOA	414.9 > 369.7	3.58e4	4.79e4	0.245	0.747	4.09	4.01	9.33	46.3608	91.0		
20	44 13C2-PFOA	414.9 > 369.7	3.58e4	4.79e4	0.245	0.747	4.09	4.01	9.33	46.3608	91.0		
21	46 13C8-PFOSA	506.1 > 77.7	4.38e3	4.87e4	0.245	0.0900	4.60	4.51	1.12	26.1057	51.2		
22	-1												
23	14 PFNA	463.0 > 418.8		3.73e4	0.245		4.54						
24	16 L-PFOS	498.9 > 79.9	3.81e0	5.91e3	0.245	0.000	4.63	4.44	0.00806	0.1451		1.263	NO
25	70 Total PFOS	498.9 > 79.9	3.81e0	5.91e3	0.245		4.60		0.00806	0.1451			
26	18 PFDA	513 > 468.8	6.19e1	3.23e4	0.245	0.000	4.92	4.85	0.0240	0.1159		16.294	YES
27	25 PFUdA	563.0 > 518.9	1.16e2	3.61e4	0.245	0.000	5.25	5.19	0.0400	0.0758		111.357	YES
28	45 13C5-PFNA	468.2 > 422.9	3.73e4	4.21e4	0.245	0.885	4.54	4.46	11.1	46.3422	90.9		
29	47 13C8-PFOS	507.0 > 79.9	5.91e3	6.10e3	0.245	0.970	4.63	4.55	12.1	46.9714	92.2		
30	47 13C8-PFOS	507.0 > 79.9	5.91e3	6.10e3	0.245	0.970	4.63	4.55	12.1	46.9714	92.2		
31	48 13C2-PFDA	515.1 > 469.9	3.23e4	4.38e4	0.245	0.736	4.92	4.84	9.20	39.2043	76.9		
32	51 13C2-PFUdA	565 > 519.8	3.61e4	4.87e4	0.245	0.743	5.25	5.18	9.28	38.5041	75.5		
33	-1												
34	21 L-MeFOSAA	570 > 419		8.28e3	0.245		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	8.28e3	0.245		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		9.52e3	0.245		5.24						

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	9.52e3	0.245		5.23		0.000				
38	26 PFDS	598.8 > 79.9		5.91e3	0.245		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	8.28e3	4.87e4	0.245	0.170	5.08	5.00	2.13	35.9297	70.5		
40	50 d3-N-MeFOSAA	573.3 > 419	8.28e3	4.87e4	0.245	0.170	5.08	5.00	2.13	35.9297	70.5		
41	52 d5-N-EtFOSAA	589.3 > 419	9.52e3	4.87e4	0.245	0.196	5.23	5.16	2.44	38.0499	74.7		
42	52 d5-N-EtFOSAA	589.3 > 419	9.52e3	4.87e4	0.245	0.196	5.23	5.16	2.44	38.0499	74.7		
43	51 13C2-PFUdA	565 > 519.8	3.61e4	4.87e4	0.245	0.743	5.25	5.18	9.28	38.5041	75.5		
44	-1												
45	27 PFDoA	612.9 > 569.0		3.61e4	0.245		5.54						
46	29 PFTrDA	662.9 > 618.9	2.45e1	3.61e4	0.245	0.000	5.79	5.73	0.00849	0.1036		23.966	NO
47	30 PFTeDA	712.8 > 669.0	4.14e1	2.78e4	0.245	0.000	6.01	5.95	0.0186	0.1069		5.255	YES
48	73 TCDA	498.3 > 106.9			0.245		5.11						
49	60 13C4-PFBA	217. > 172	2.36e4	2.36e4	0.245	1.00	1.15	1.08	12.5	50.9684	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.61e4	4.38e4	0.245	0.824	5.54	5.47	10.3	38.7811	76.1		
51	53 13C2-PFDoA	615.0 > 569.7	3.61e4	4.38e4	0.245	0.824	5.54	5.47	10.3	38.7811	76.1		
52	55 13C2-PFTeDA	714.8 > 669.6	2.78e4	4.87e4	0.245	0.572	6.01	5.95	7.15	37.5161	73.6		
53	47 13C8-PFOS	507.0 > 79.9	5.91e3	6.10e3	0.245	0.970	4.63	4.55	12.1	46.9714	92.2		
54	62 13C3-PFHxS	401.8 > 79.9	5.34e3	5.34e3	0.245	1.00	3.72	3.63	12.5	50.9684	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.38e4	4.38e4	0.245	1.00	4.92	4.84	12.5	50.9684	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	4.87e4	4.87e4	0.245	1.00	5.25	5.18	12.5	50.9684	100.0		
58	65 13C4-PFOS	503 > 79.9	6.10e3	6.10e3	0.245	1.00	4.63	4.55	12.5	50.9684	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.21e4	4.21e4	0.245	1.00	4.54	4.46	12.5	50.9684	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.22e4	4.22e4	0.245	1.00	2.95	2.86	12.5	50.9684	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

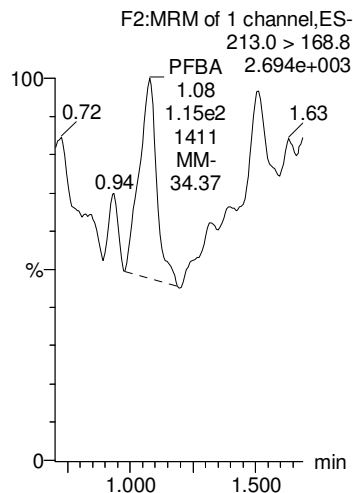
Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

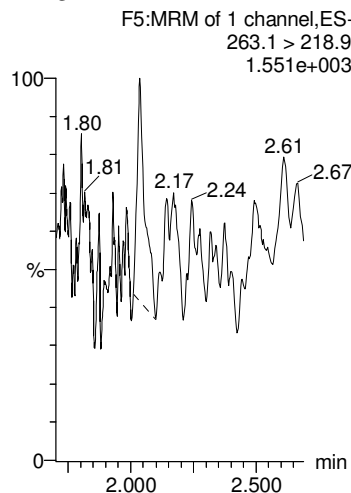
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

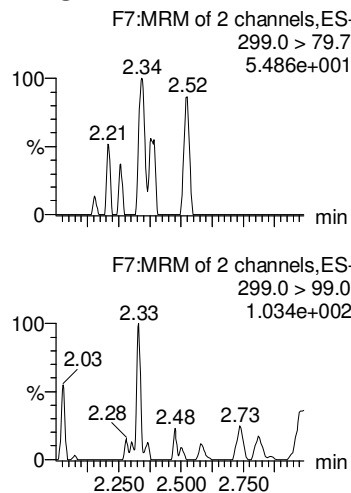
**PFBA**



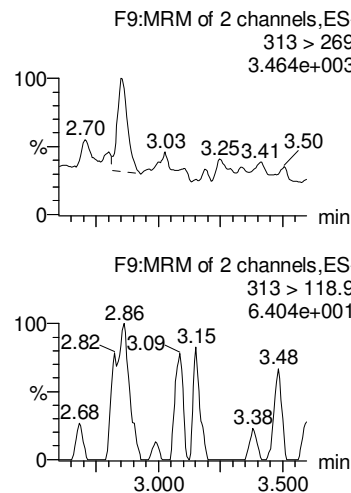
**PFPeA**



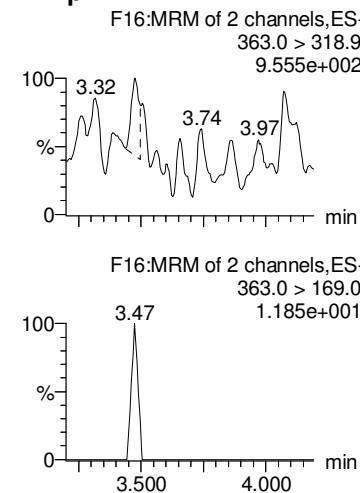
**PFBS**



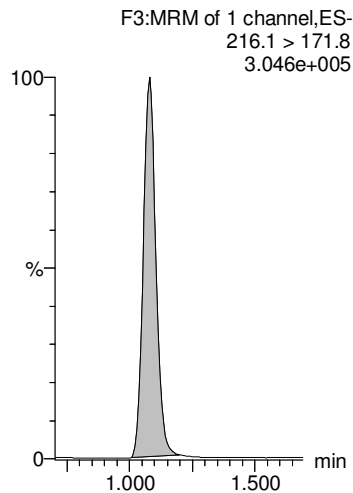
**PFHxA**



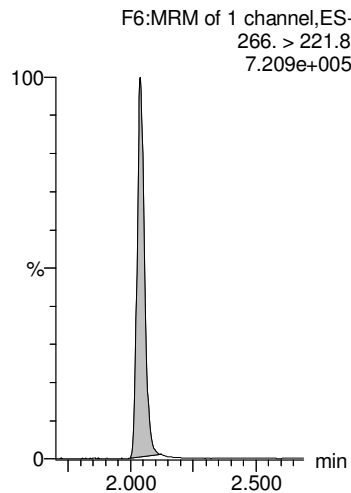
**PFHpA**



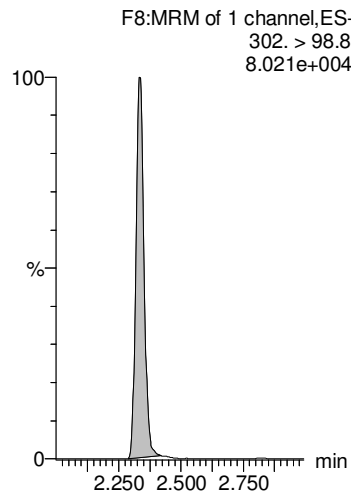
**13C3-PFBA**



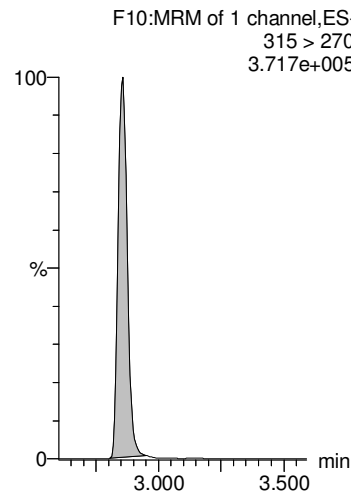
**13C3-PFPeA**



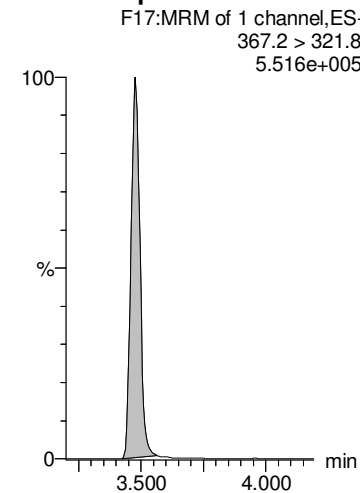
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

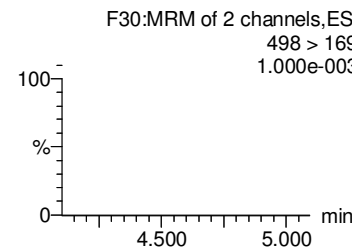
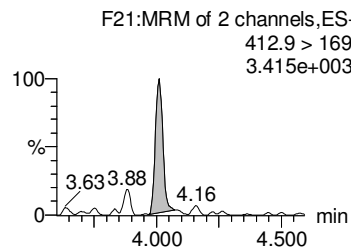
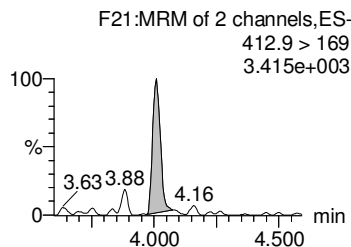
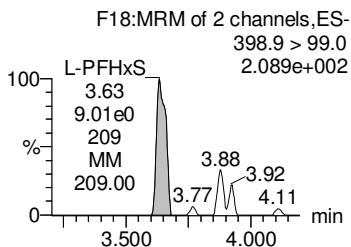
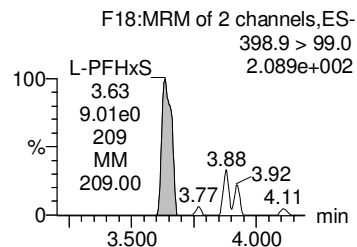
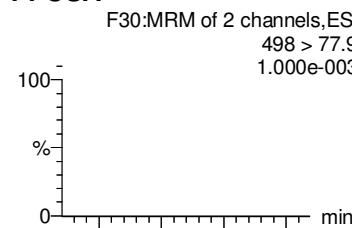
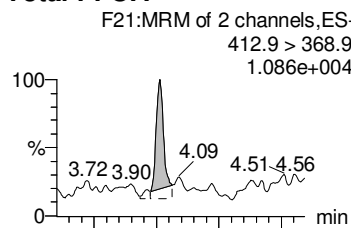
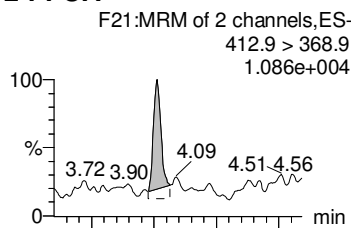
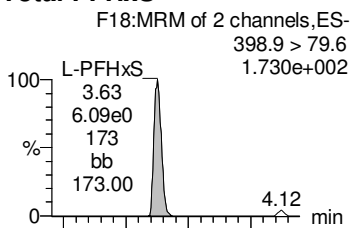
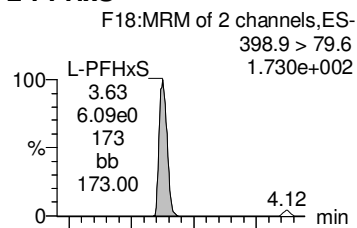
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



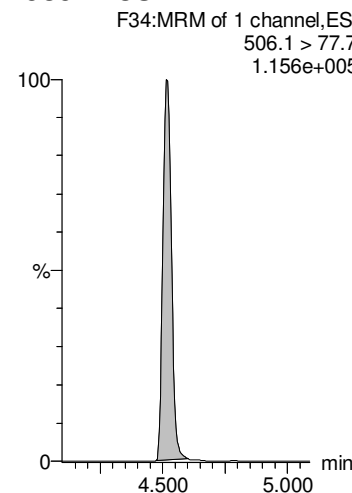
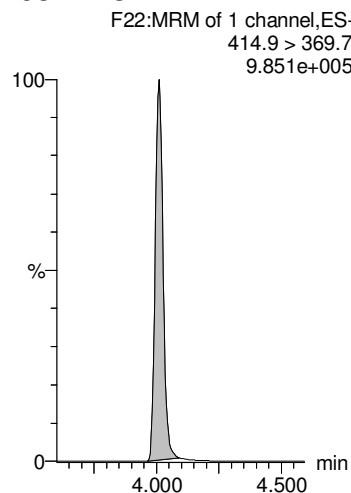
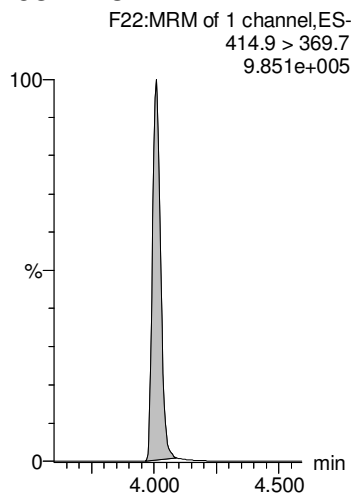
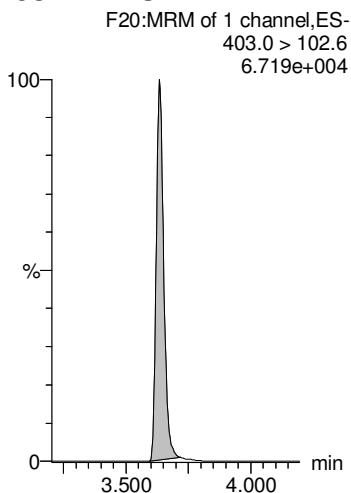
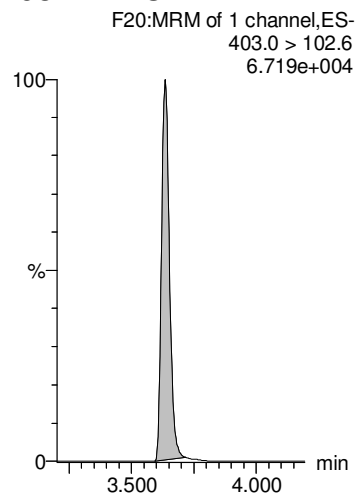
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

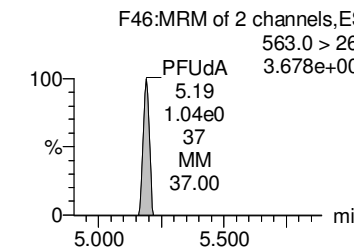
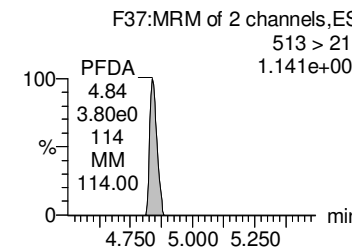
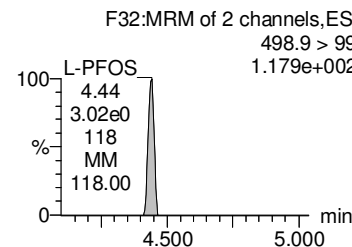
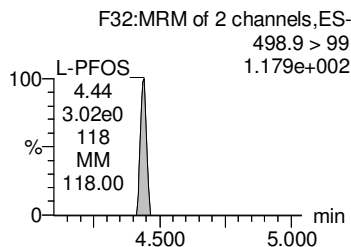
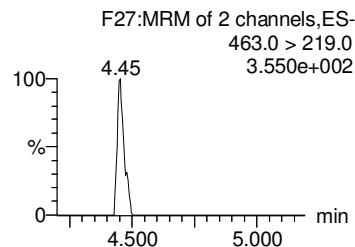
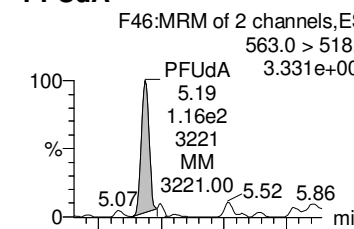
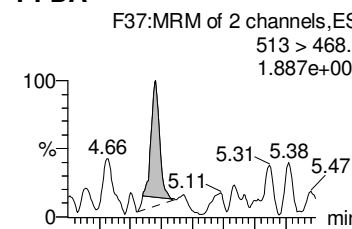
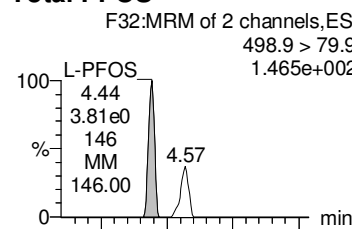
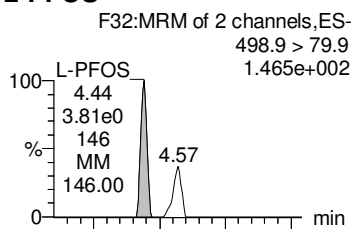
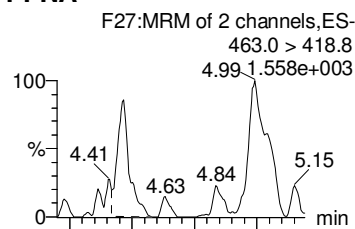
**PFNA**

**L-PFOS**

**Total PFOS**

**PFDA**

**PFUdA**



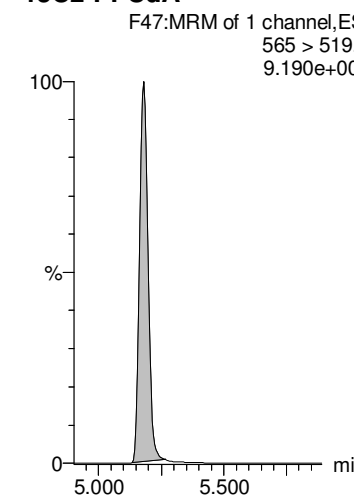
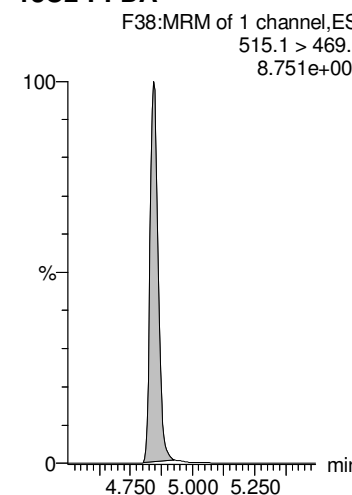
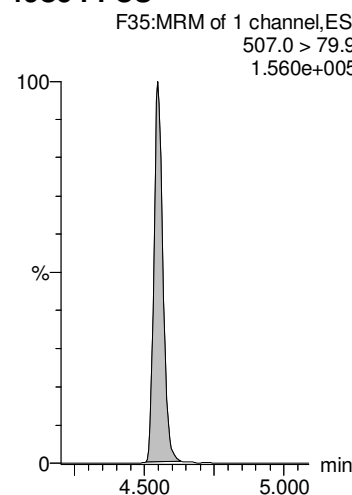
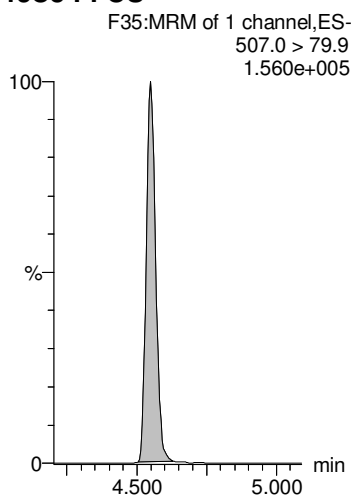
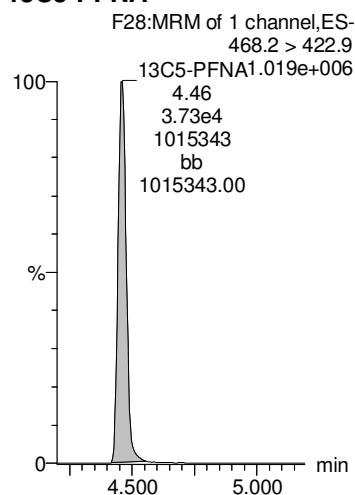
**13C5-PFNA**

**13C8-PFOS**

**13C8-PFOS**

**13C2-PFDA**

**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

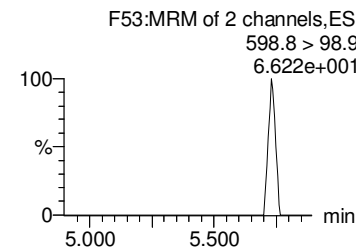
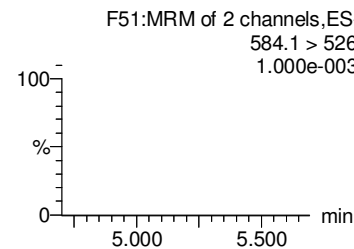
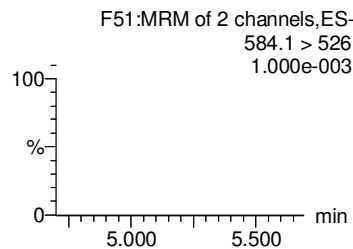
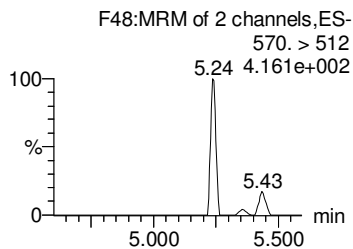
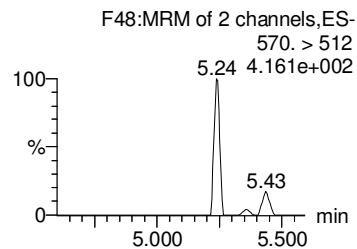
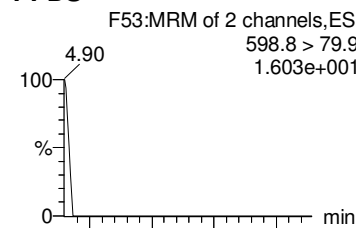
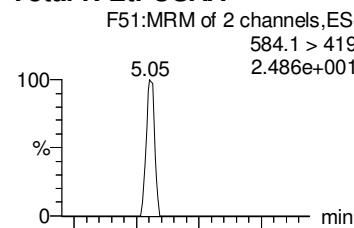
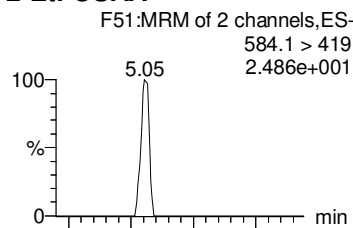
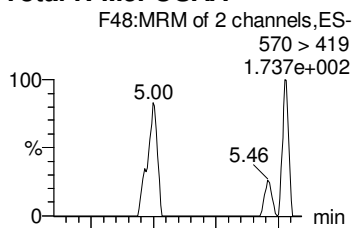
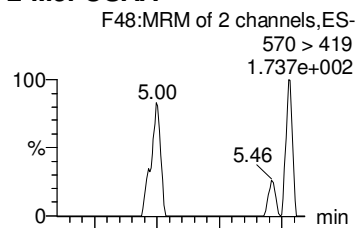
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



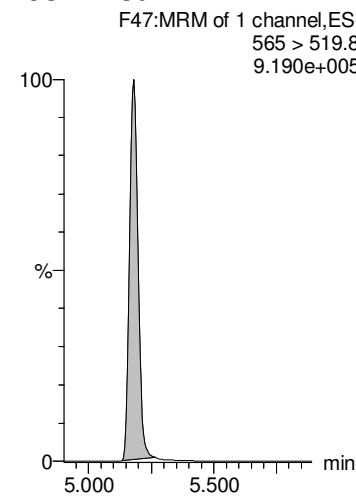
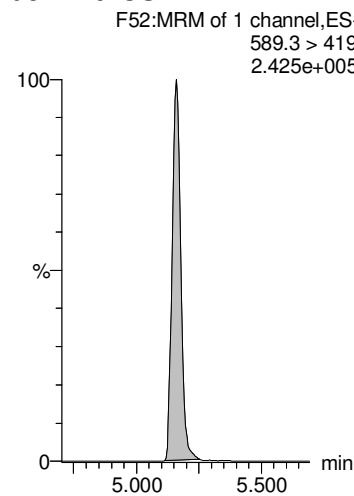
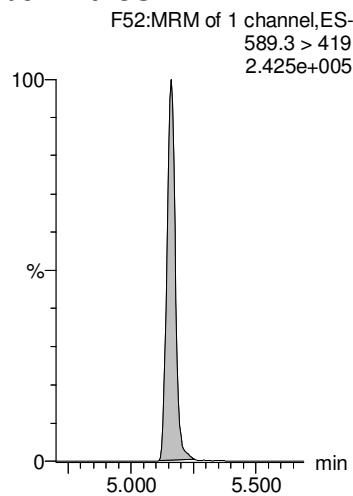
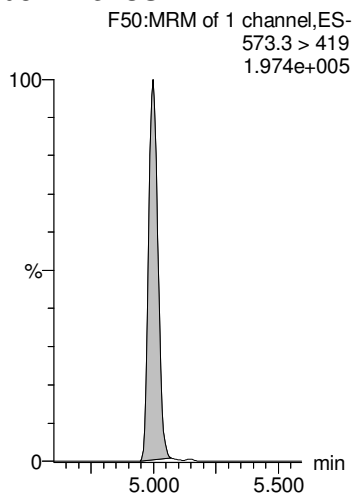
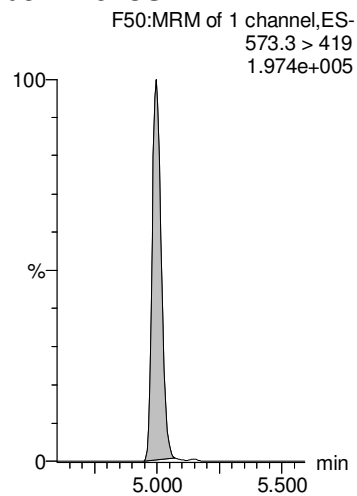
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

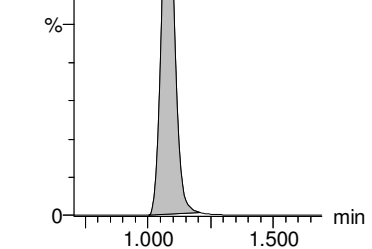
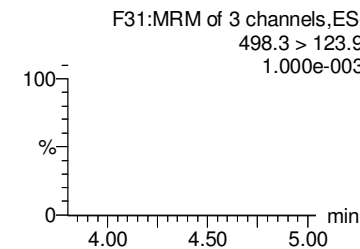
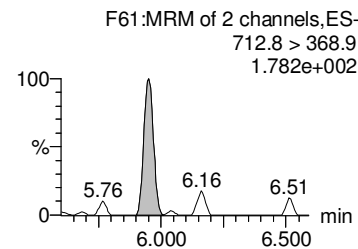
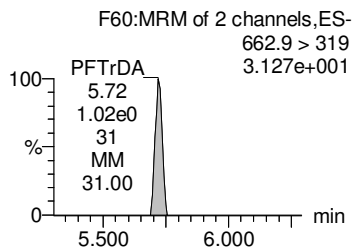
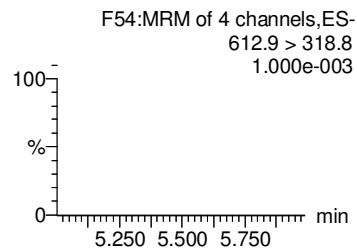
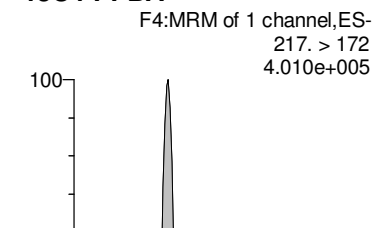
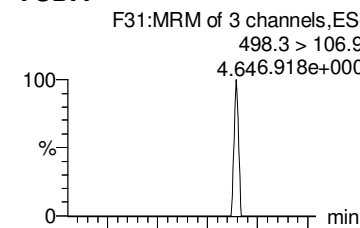
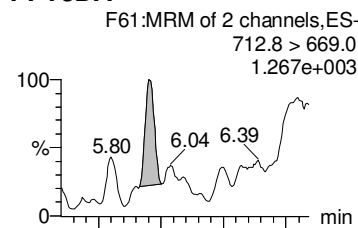
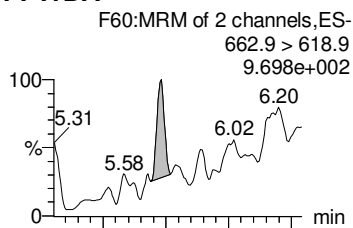
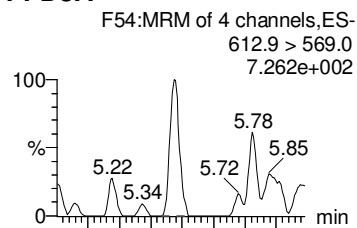
**PFD<sub>o</sub>A**

**PFT<sub>r</sub>DA**

**PFT<sub>e</sub>DA**

**TCDA**

**13C<sub>4</sub>-PFBA**



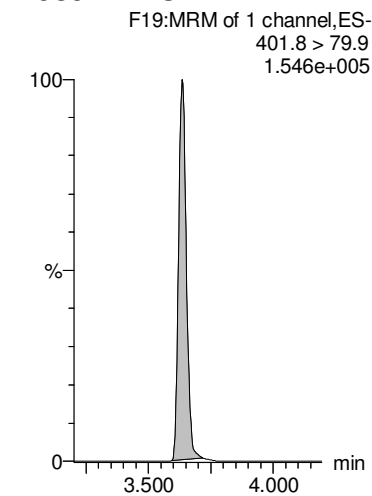
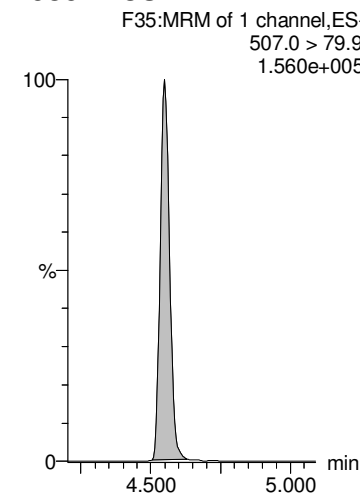
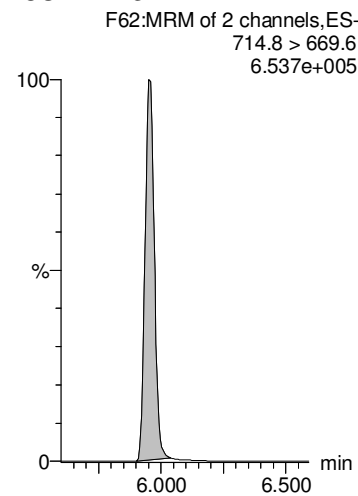
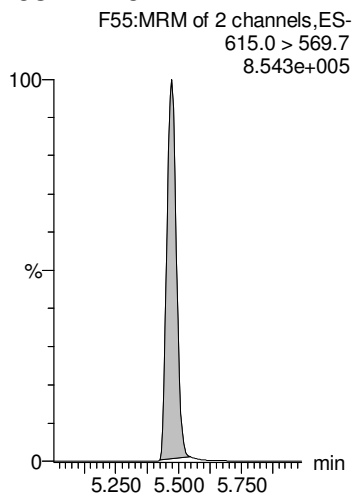
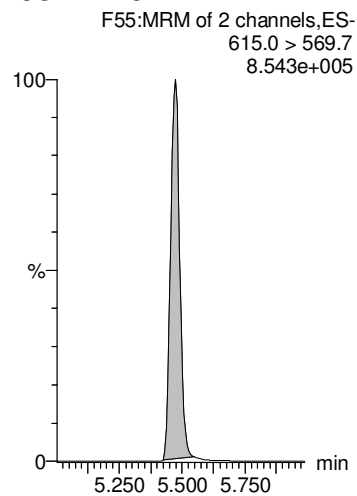
**13C<sub>2</sub>-PFD<sub>o</sub>A**

**13C<sub>2</sub>-PFD<sub>o</sub>A**

**13C<sub>2</sub>-PFT<sub>e</sub>DA**

**13C<sub>8</sub>-PFOS**

**13C<sub>3</sub>-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-22.qld

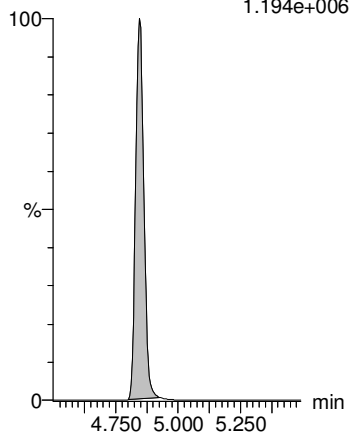
Last Altered: Tuesday, August 21, 2018 11:22:27 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:22:48 Pacific Daylight Time

Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518

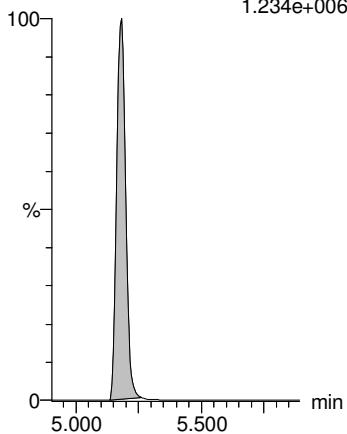
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.194e+006



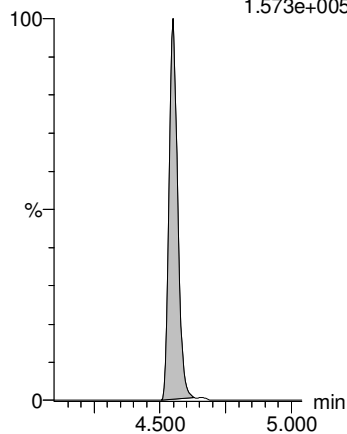
**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.234e+006



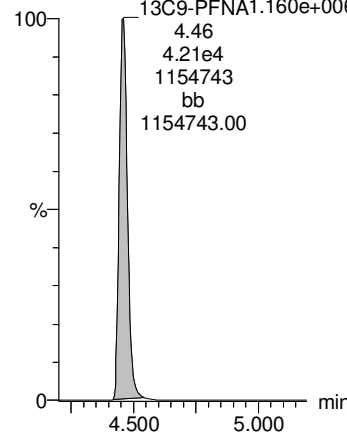
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.573e+005



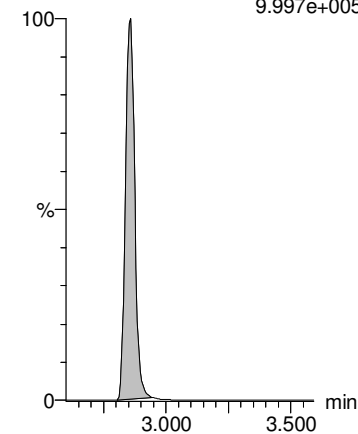
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.160e+006



**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
9.997e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		1.79e4	0.241		1.08						
2	2 PFPeA	263.1 > 218.9		2.52e4	0.241		2.04						
3	3 PFBS	299.0 > 79.7		3.19e3	0.241		2.33						
4	5 PFHxA	313 > 269		1.49e4	0.241		2.86						
5	7 PFHpA	363.0 > 318.9		2.27e4	0.241		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.79e4	2.32e4	0.241	0.769	1.16	1.08	9.62	48.6426	93.6		
7	37 13C3-PFPeA	266. > 221.8	2.52e4	4.20e4	0.241	0.601	2.14	2.04	7.51	64.2469	123.6		
8	38 13C3-PFBS	302. > 98.8	3.19e3	4.20e4	0.241	0.0761	2.44	2.33	0.952	78.6682	151.4		H
9	40 13C2-PFHxA	315 > 270	1.49e4	4.20e4	0.241	0.886	2.95	2.86	4.43	18.9040	91.0		
10	41 13C4-PFHpA	367.2 > 321.8	2.27e4	4.20e4	0.241	0.540	3.56	3.48	6.75	45.8575	88.3		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	1.68e1	2.62e3	0.241	0.000	3.51	3.63	0.0803	0.2510		1.393	NO
13	68 Total PFHxS	398.9 > 79.6	1.68e1	2.62e3	0.241		3.65		0.0803	0.2510			
14	11 L-PFOA	412.9 > 368.9	3.55e2	3.58e4	0.241	0.000	4.00	4.01	0.124	0.3719		3.629	YES
15	69 Total PFOA	412.9 > 368.9	3.55e2	3.58e4	0.241		4.48		0.124	0.3719			
16	15 PFOSA	498 > 77.9		3.92e3	0.241		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.62e3	5.86e3	0.241	0.447	3.72	3.63	5.59	48.0816	92.5		
18	42 18O2-PFHxS	403.0 > 102.6	2.62e3	5.86e3	0.241	0.447	3.72	3.63	5.59	48.0816	92.5		
19	44 13C2-PFOA	414.9 > 369.7	3.58e4	4.73e4	0.241	0.756	4.09	4.01	9.44	47.8319	92.1		
20	44 13C2-PFOA	414.9 > 369.7	3.58e4	4.73e4	0.241	0.756	4.09	4.01	9.44	47.8319	92.1		
21	46 13C8-PFOSA	506.1 > 77.7	3.92e3	4.81e4	0.241	0.0815	4.60	4.52	1.02	24.1099	46.4		H
22	-1												
23	14 PFNA	463.0 > 418.8		3.48e4	0.241		4.54						
24	16 L-PFOS	498.9 > 79.9		6.59e3	0.241		4.63						
25	70 Total PFOS	498.9 > 79.9	0.00e0	6.59e3	0.241		4.60		0.000				
26	18 PFDA	513 > 468.8		3.05e4	0.241		4.92						
27	25 PFUdA	563.0 > 518.9		3.48e4	0.241		5.25						
28	45 13C5-PFNA	468.2 > 422.9	3.48e4	4.28e4	0.241	0.814	4.54	4.46	10.2	43.4870	83.7		
29	47 13C8-PFOS	507.0 > 79.9	6.59e3	6.63e3	0.241	0.995	4.63	4.55	12.4	49.1410	94.6		
30	47 13C8-PFOS	507.0 > 79.9	6.59e3	6.63e3	0.241	0.995	4.63	4.55	12.4	49.1410	94.6		
31	48 13C2-PFDA	515.1 > 469.9	3.05e4	4.55e4	0.241	0.670	4.92	4.84	8.38	36.3856	70.0		
32	51 13C2-PFUdA	565 > 519.8	3.48e4	4.81e4	0.241	0.724	5.25	5.18	9.05	38.2747	73.7		
33	-1												
34	21 L-MeFOSAA	570 > 419		8.43e3	0.241		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	8.43e3	0.241		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		9.85e3	0.241		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	9.85e3	0.241		5.23		0.000				
38	26 PFDS	598.8 > 79.9		6.59e3	0.241		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	8.43e3	4.81e4	0.241	0.175	5.08	5.00	2.19	37.7432	72.6		
40	50 d3-N-MeFOSAA	573.3 > 419	8.43e3	4.81e4	0.241	0.175	5.08	5.00	2.19	37.7432	72.6		
41	52 d5-N-EtFOSAA	589.3 > 419	9.85e3	4.81e4	0.241	0.205	5.23	5.16	2.56	40.6332	78.2		
42	52 d5-N-EtFOSAA	589.3 > 419	9.85e3	4.81e4	0.241	0.205	5.23	5.16	2.56	40.6332	78.2		
43	51 13C2-PFUdA	565 > 519.8	3.48e4	4.81e4	0.241	0.724	5.25	5.18	9.05	38.2747	73.7		
44	-1												
45	27 PFDoA	612.9 > 569.0		3.83e4	0.241		5.54						
46	29 PFTTrDA	662.9 > 618.9		3.83e4	0.241		5.79						
47	30 PFTeDA	712.8 > 669.0		3.16e4	0.241		6.01						
48	73 TCDA	498.3>106.9			0.241		5.11						
49	60 13C4-PFBA	217. > 172	2.32e4	2.32e4	0.241	1.00	1.15	1.08	12.5	51.9621	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.83e4	4.55e4	0.241	0.840	5.54	5.47	10.5	40.3162	77.6		
51	53 13C2-PFDoA	615.0 > 569.7	3.83e4	4.55e4	0.241	0.840	5.54	5.47	10.5	40.3162	77.6		
52	55 13C2-PFTeDA	714.8 > 669.6	3.16e4	4.81e4	0.241	0.658	6.01	5.95	8.22	43.9787	84.6		
53	47 13C8-PFOS	507.0 > 79.9	6.59e3	6.63e3	0.241	0.995	4.63	4.55	12.4	49.1410	94.6		
54	62 13C3-PFHxS	401.8 > 79.9	5.86e3	5.86e3	0.241	1.00	3.72	3.63	12.5	51.9621	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.55e4	4.55e4	0.241	1.00	4.92	4.84	12.5	51.9621	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	4.81e4	4.81e4	0.241	1.00	5.25	5.18	12.5	51.9621	100.0		
58	65 13C4-PFOS	503 > 79.9	6.63e3	6.63e3	0.241	1.00	4.63	4.55	12.5	51.9621	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.28e4	4.28e4	0.241	1.00	4.54	4.46	12.5	51.9621	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.20e4	4.20e4	0.241	1.00	2.95	2.86	12.5	51.9621	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

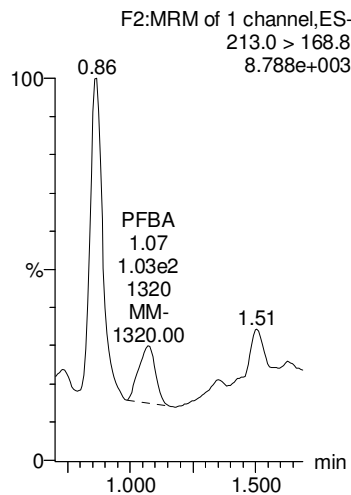
Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

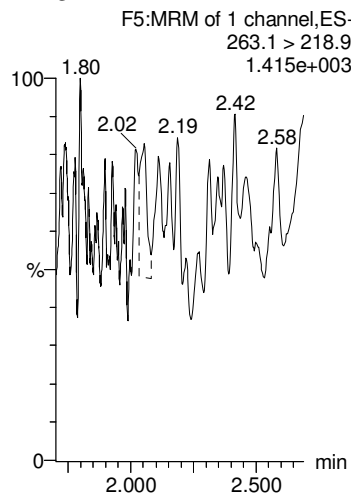
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

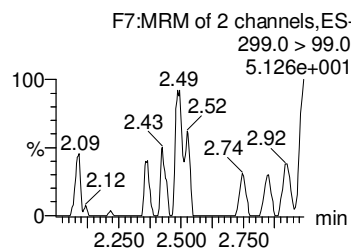
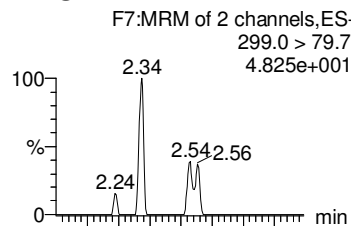
**PFBA**



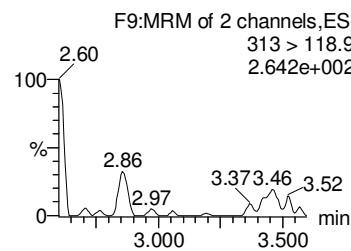
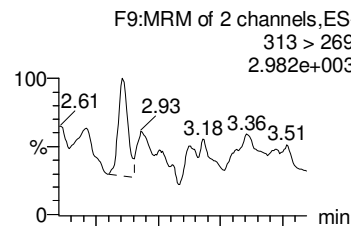
**PFPeA**



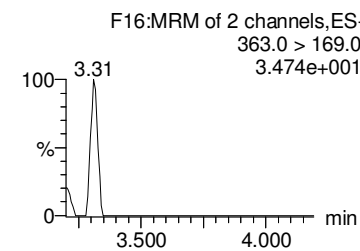
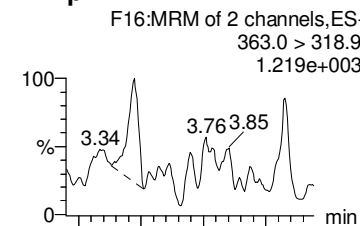
**PFBS**



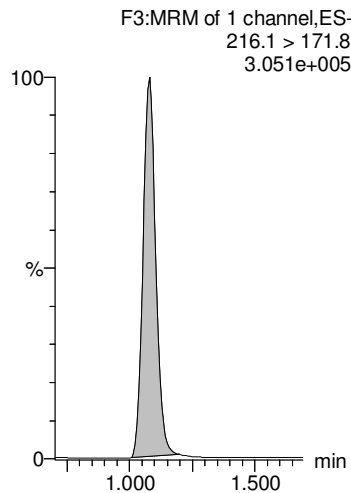
**PFHxA**



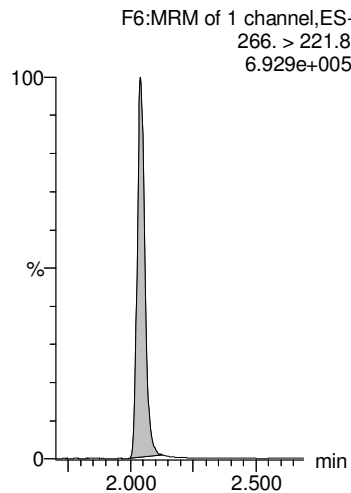
**PFHpA**



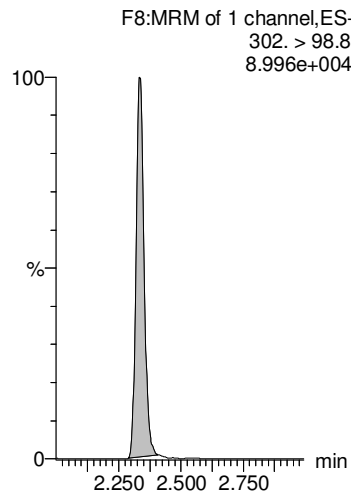
**13C3-PFBA**



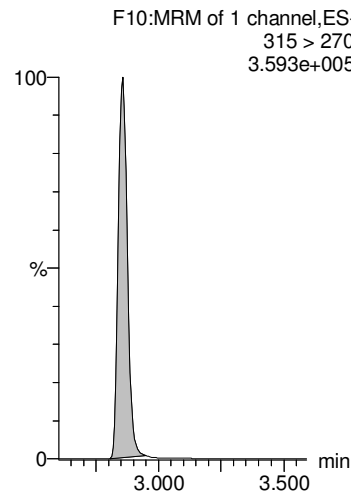
**13C3-PFPeA**



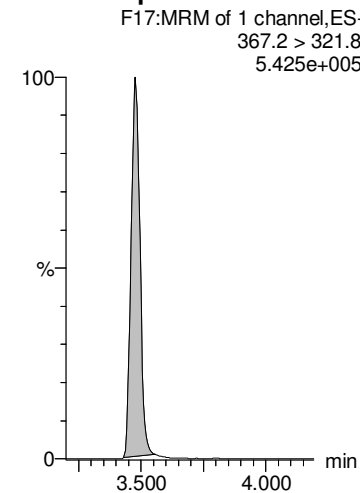
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

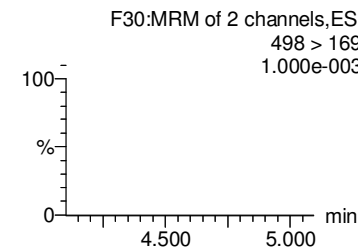
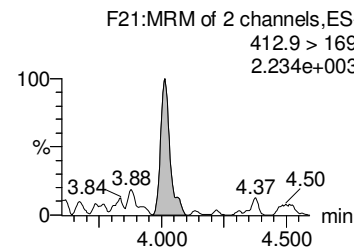
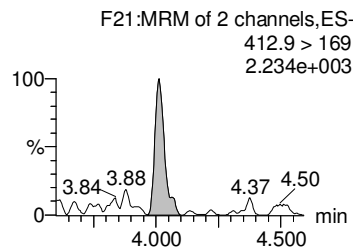
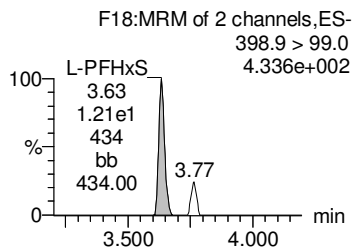
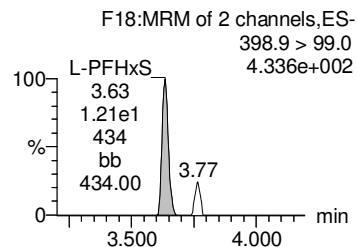
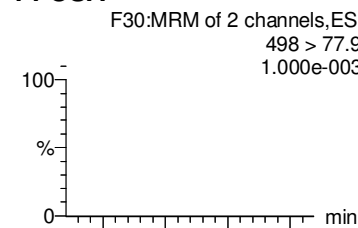
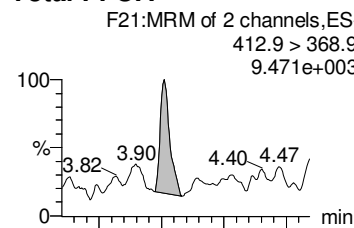
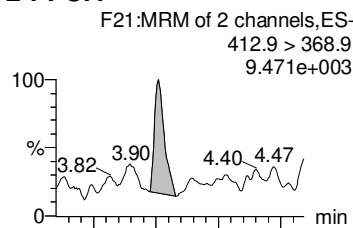
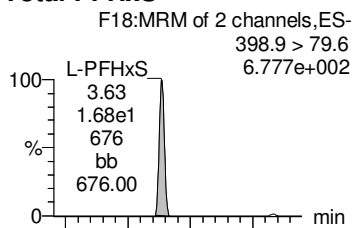
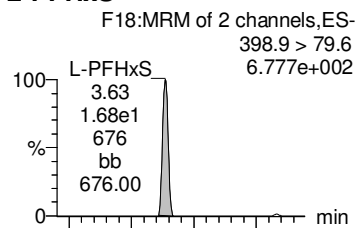
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



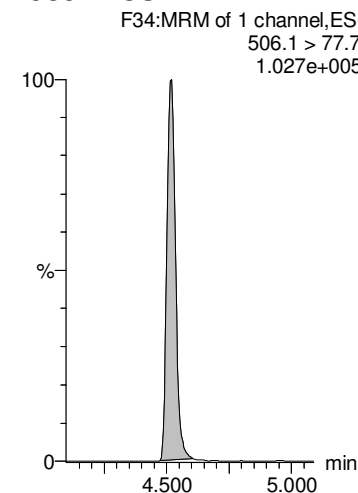
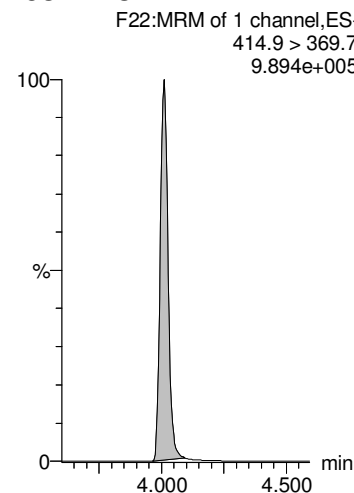
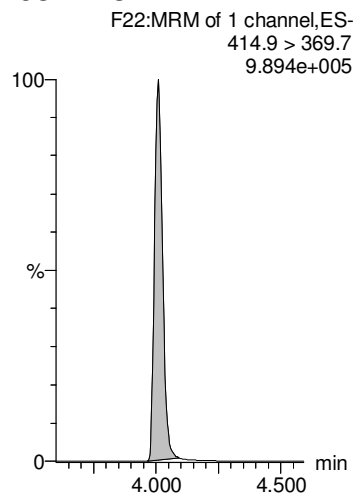
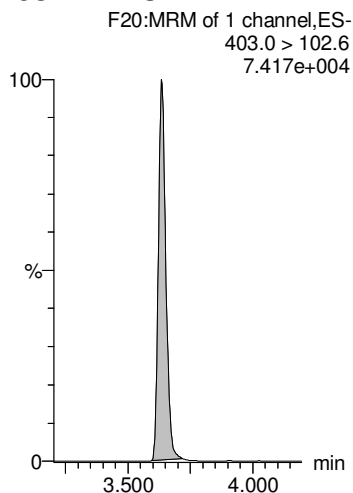
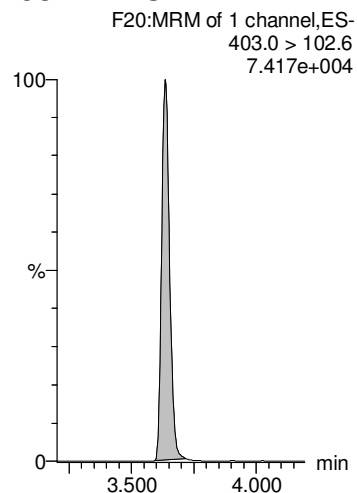
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





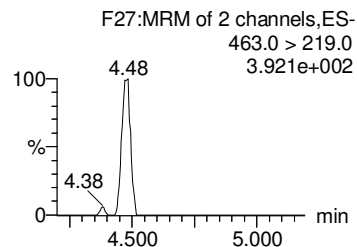
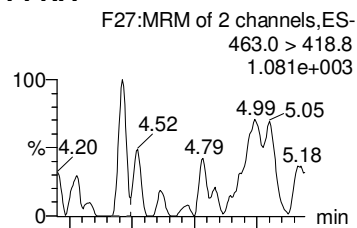
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

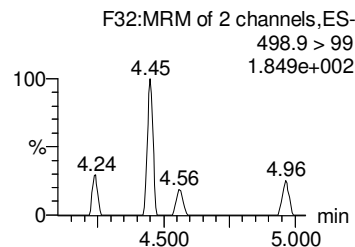
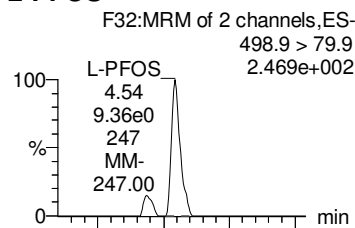
Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

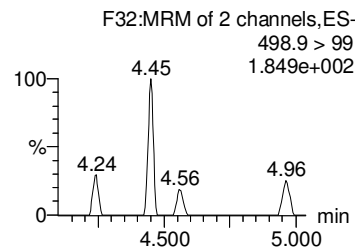
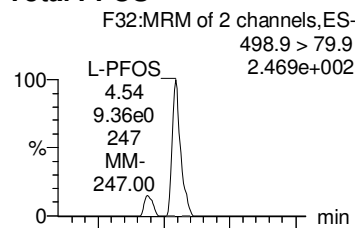
**PFNA**



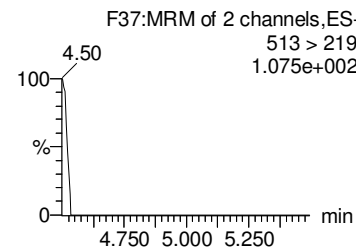
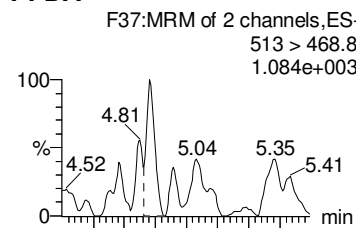
**L-PFOS**



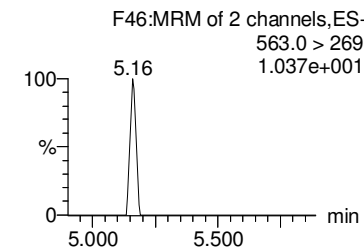
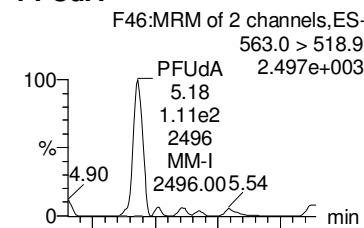
**Total PFOS**



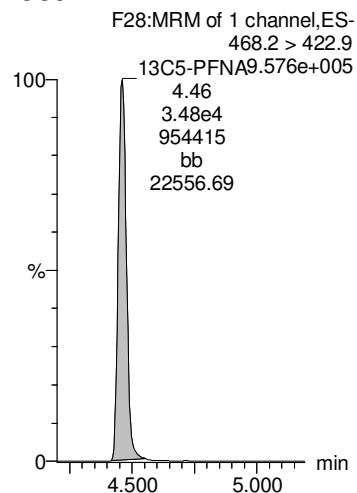
**PFDA**



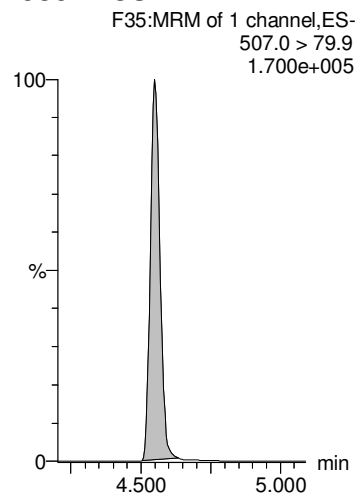
**PFUdA**



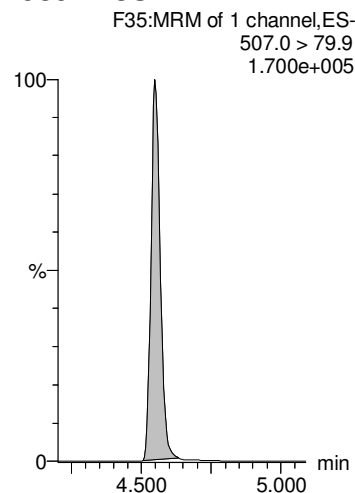
**13C5-PFNA**



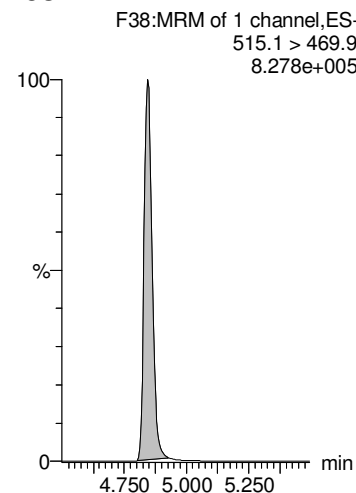
**13C8-PFOS**



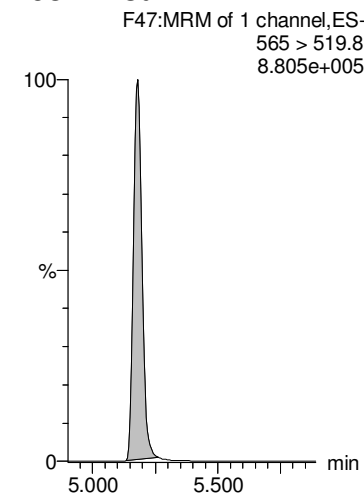
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



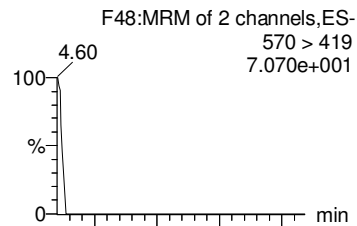
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

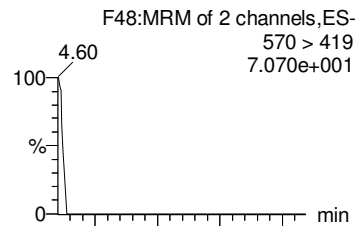
Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

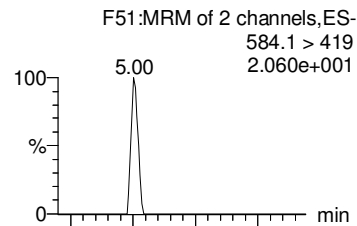
**L-MeFOSAA**



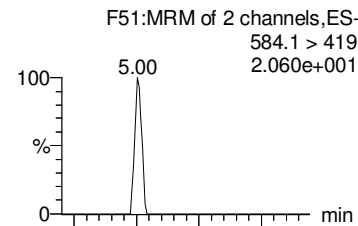
**Total N-MeFOSAA**



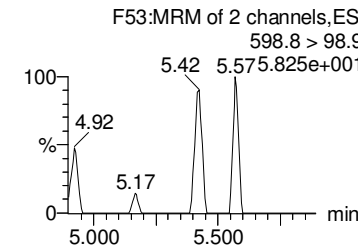
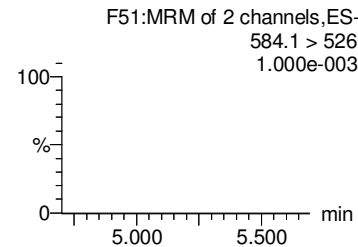
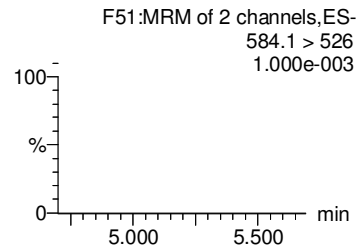
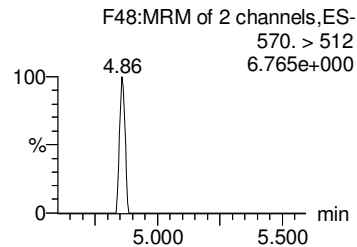
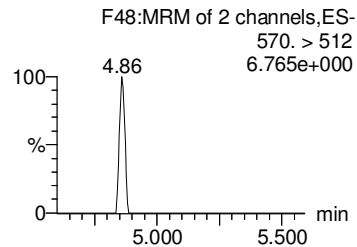
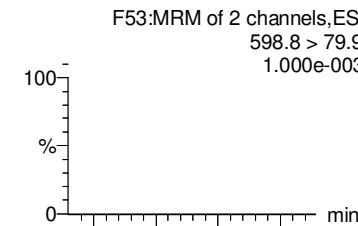
**L-EtFOSAA**



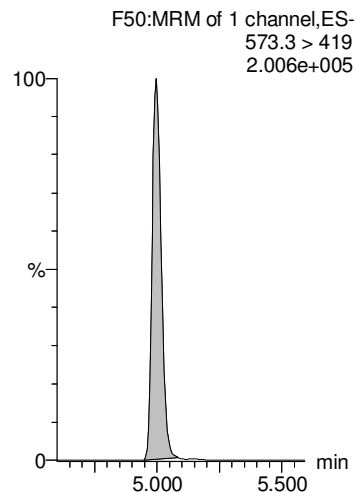
**Total N-EtFOSAA**



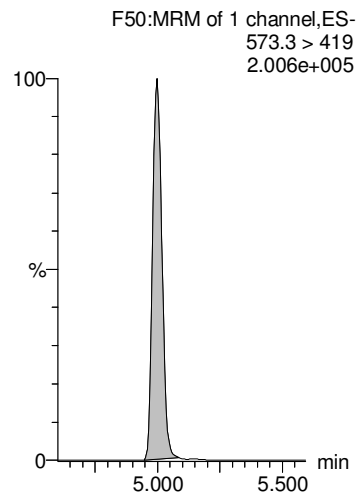
**PFDS**



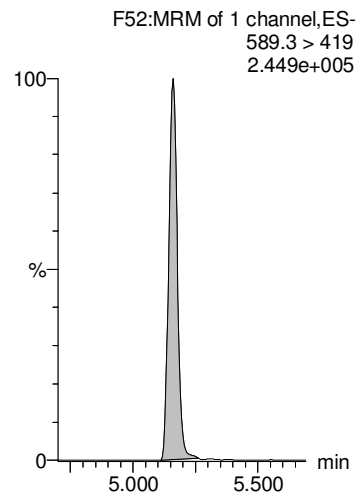
**d3-N-MeFOSAA**



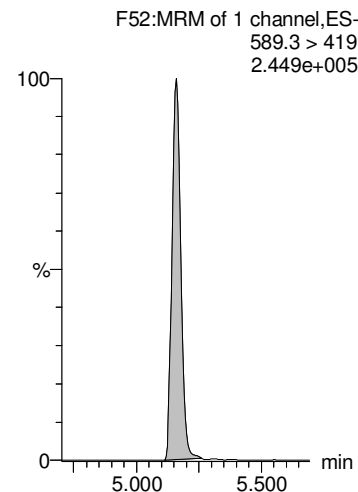
**d3-N-MeFOSAA**



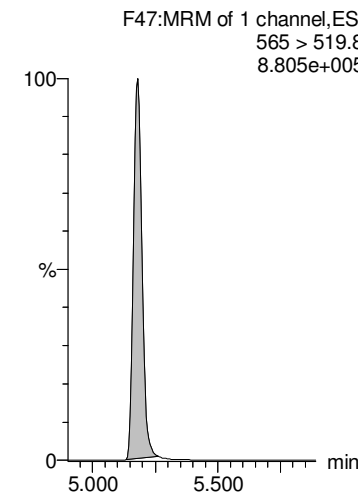
**d5-N-EtFOSAA**



**d5-N-EtFOSAA**



**13C2-PFUDa**



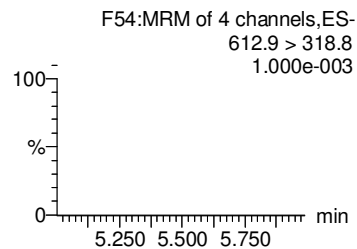
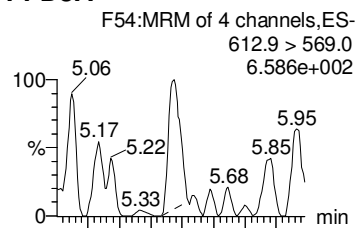
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

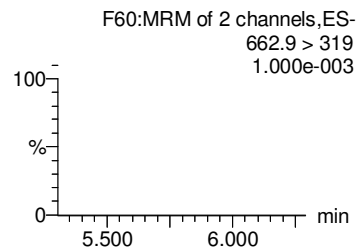
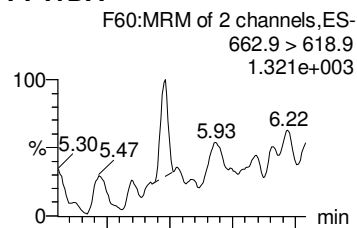
Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

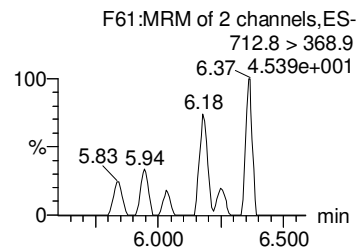
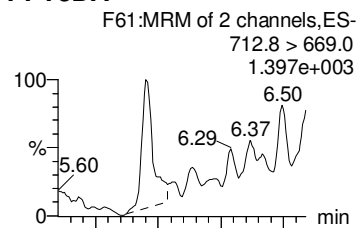
**PFDoA**



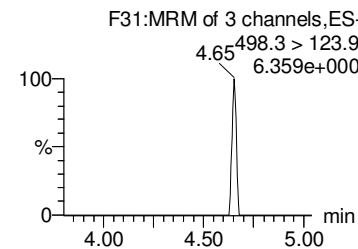
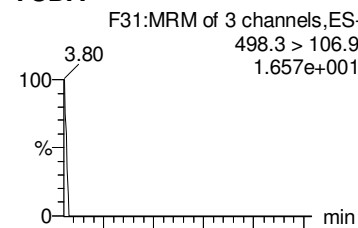
**PFTrDA**



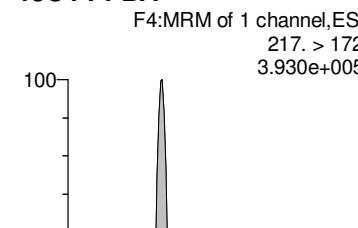
**PFTeDA**



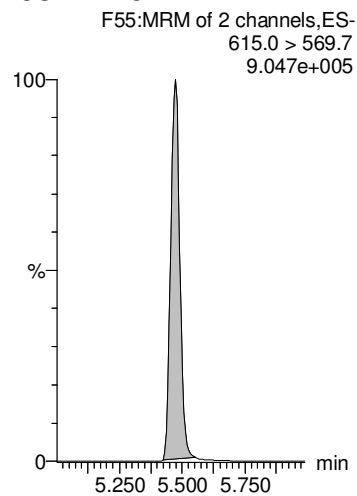
**TCDA**



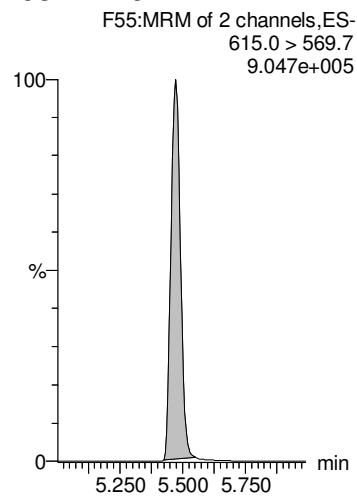
**13C4-PFBA**



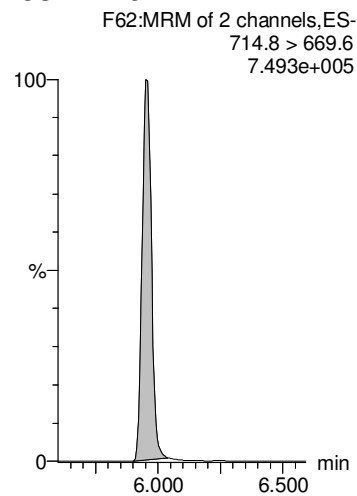
**13C2-PFDoA**



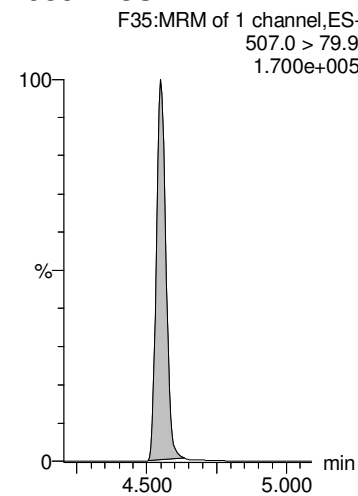
**13C2-PFDoA**



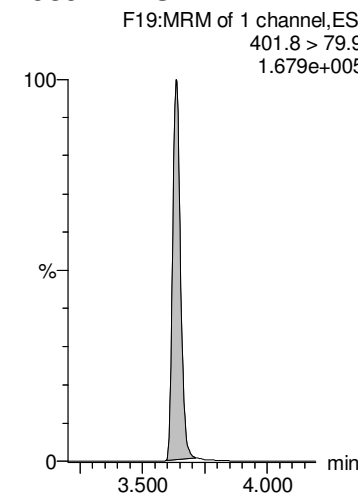
**13C2-PFTeDA**



**13C8-PFOS**



**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-24.qld

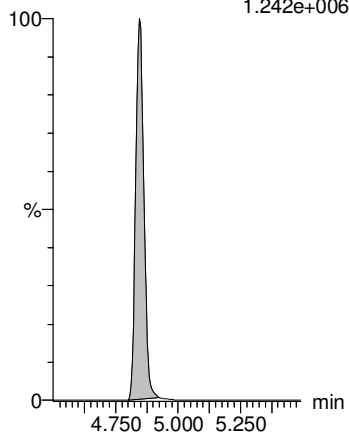
Last Altered: Tuesday, August 21, 2018 11:28:50 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:29:06 Pacific Daylight Time

Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518

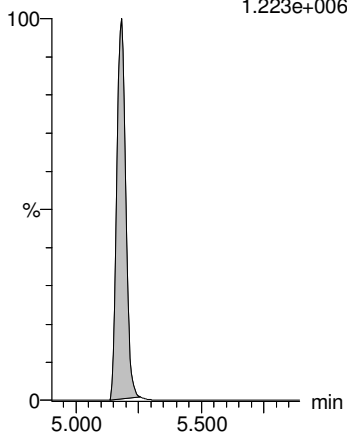
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.242e+006



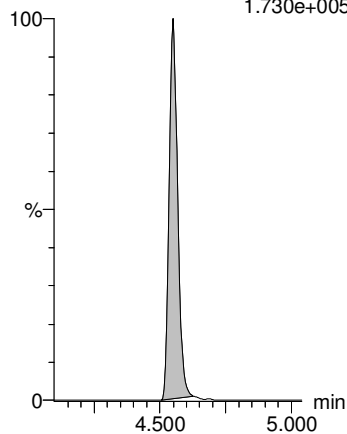
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.223e+006



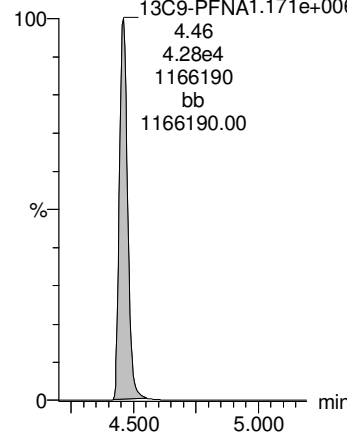
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.730e+005



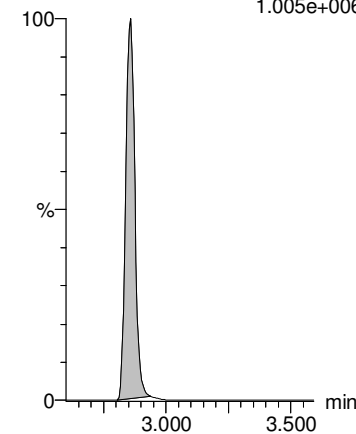
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.171e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.005e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.12e2	1.86e4	0.240	0.000	1.08	1.08	0.0751	0.3807			
2	2 PFPeA	263.1 > 218.9		2.60e4	0.240		2.04						
3	3 PFBS	299.0 > 79.7		3.29e3	0.240		2.33						
4	5 PFHxA	313 > 269		1.58e4	0.240		2.86						
5	7 PFHpA	363.0 > 318.9		2.38e4	0.240		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.86e4	2.42e4	0.240	0.771	1.16	1.08	9.64	48.8016	93.8		
7	37 13C3-PFPeA	266. > 221.8	2.60e4	4.36e4	0.240	0.596	2.14	2.04	7.45	63.8290	122.7		
8	38 13C3-PFBS	302. > 98.8	3.29e3	4.36e4	0.240	0.0755	2.44	2.33	0.943	78.0701	150.0		
9	40 13C2-PFHxA	315 > 270	1.58e4	4.36e4	0.240	0.905	2.95	2.86	4.52	19.3196	92.8		
10	41 13C4-PFHpA	367.2 > 321.8	2.38e4	4.36e4	0.240	0.545	3.56	3.48	6.82	46.3583	89.1		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	7.11e0	2.70e3	0.240	0.000	3.51	3.63	0.0330	0.1377		0.661	YES
13	68 Total PFHxS	398.9 > 79.6	7.11e0	2.70e3	0.240		3.65		0.0330	0.1377			
14	11 L-PFOA	412.9 > 368.9	3.00e2	3.51e4	0.240	0.000	4.00	4.01	0.107	0.3022		2.479	NO
15	69 Total PFOA	412.9 > 368.9	3.00e2	3.51e4	0.240		4.48		0.107	0.3022			
16	15 PFOSA	498 > 77.9		4.46e3	0.240		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.70e3	6.04e3	0.240	0.446	3.72	3.64	5.58	48.0473	92.3		
18	42 18O2-PFHxS	403.0 > 102.6	2.70e3	6.04e3	0.240	0.446	3.72	3.64	5.58	48.0473	92.3		
19	44 13C2-PFOA	414.9 > 369.7	3.51e4	5.04e4	0.240	0.697	4.09	4.01	8.71	44.1857	84.9		
20	44 13C2-PFOA	414.9 > 369.7	3.51e4	5.04e4	0.240	0.697	4.09	4.01	8.71	44.1857	84.9		
21	46 13C8-PFOSA	506.1 > 77.7	4.46e3	5.05e4	0.240	0.0883	4.60	4.52	1.10	26.1595	50.3		
22	-1												
23	14 PFNA	463.0 > 418.8		3.80e4	0.240		4.54						
24	16 L-PFOS	498.9 > 79.9		7.05e3	0.240		4.63						
25	70 Total PFOS	498.9 > 79.9	0.00e0	7.05e3	0.240		4.60		0.000				
26	18 PFDA	513 > 468.8		3.27e4	0.240		4.92						
27	25 PFUdA	563.0 > 518.9		3.76e4	0.240		5.25						
28	45 13C5-PFNA	468.2 > 422.9	3.80e4	4.64e4	0.240	0.819	4.54	4.46	10.2	43.8070	84.2		
29	47 13C8-PFOS	507.0 > 79.9	7.05e3	7.03e3	0.240	1.00	4.63	4.55	12.5	49.6175	95.4		
30	47 13C8-PFOS	507.0 > 79.9	7.05e3	7.03e3	0.240	1.00	4.63	4.55	12.5	49.6175	95.4		
31	48 13C2-PFDA	515.1 > 469.9	3.27e4	4.47e4	0.240	0.731	4.92	4.85	9.14	39.7243	76.3		
32	51 13C2-PFUdA	565 > 519.8	3.76e4	5.05e4	0.240	0.745	5.25	5.18	9.31	39.4285	75.8		
33	-1												
34	21 L-MeFOSAA	570 > 419		8.58e3	0.240		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	8.58e3	0.240		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		1.07e4	0.240		5.24						

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72	Total N-EtFOSAA	584.1 > 419	0.00e0	1.07e4	0.240		5.23		0.000			
38	26	PFDS	598.8 > 79.9		7.05e3	0.240		5.30					
39	50	d3-N-MeFOSAA	573.3 > 419	8.58e3	5.05e4	0.240	0.170	5.08	5.00	2.12	36.6289	70.4	
40	50	d3-N-MeFOSAA	573.3 > 419	8.58e3	5.05e4	0.240	0.170	5.08	5.00	2.12	36.6289	70.4	
41	52	d5-N-EtFOSAA	589.3 > 419	1.07e4	5.05e4	0.240	0.212	5.23	5.16	2.65	42.0712	80.9	
42	52	d5-N-EtFOSAA	589.3 > 419	1.07e4	5.05e4	0.240	0.212	5.23	5.16	2.65	42.0712	80.9	
43	51	13C2-PFUdA	565 > 519.8	3.76e4	5.05e4	0.240	0.745	5.25	5.18	9.31	39.4285	75.8	
44	-1												
45	27	PFDoA	612.9 > 569.0		3.85e4	0.240		5.54					
46	29	PFTTrDA	662.9 > 618.9		3.85e4	0.240		5.79					
47	30	PFTeDA	712.8 > 669.0	3.62e1	2.99e4	0.240	0.000	6.01	5.96	0.0151	0.0978	9.877	NO
48	73	TCDA	498.3 > 106.9			0.240		5.11					
49	60	13C4-PFBA	217. > 172	2.42e4	2.42e4	0.240	1.00	1.15	1.08	12.5	52.0335	100.0	
50	53	13C2-PFDoA	615.0 > 569.7	3.85e4	4.47e4	0.240	0.861	5.54	5.47	10.8	41.3955	79.6	
51	53	13C2-PFDoA	615.0 > 569.7	3.85e4	4.47e4	0.240	0.861	5.54	5.47	10.8	41.3955	79.6	
52	55	13C2-PFTeDA	714.8 > 669.6	2.99e4	5.05e4	0.240	0.592	6.01	5.96	7.40	39.6467	76.2	
53	47	13C8-PFOS	507.0 > 79.9	7.05e3	7.03e3	0.240	1.00	4.63	4.55	12.5	49.6175	95.4	
54	62	13C3-PFHxS	401.8 > 79.9	6.04e3	6.04e3	0.240	1.00	3.72	3.64	12.5	52.0335	100.0	
55	-1												
56	66	13C6-PFDA	519.1 > 473.7	4.47e4	4.47e4	0.240	1.00	4.92	4.85	12.5	52.0335	100.0	
57	67	13C7-PFUdA	570.1 > 524.8	5.05e4	5.05e4	0.240	1.00	5.25	5.18	12.5	52.0335	100.0	
58	65	13C4-PFOS	503 > 79.9	7.03e3	7.03e3	0.240	1.00	4.63	4.55	12.5	52.0335	100.0	
59	64	13C9-PFNA	472.2 > 426.9	4.64e4	4.64e4	0.240	1.00	4.54	4.46	12.5	52.0335	100.0	
60	61	13C5-PFHxA	318 > 272.9	4.36e4	4.36e4	0.240	1.00	2.95	2.86	12.5	52.0335	100.0	

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

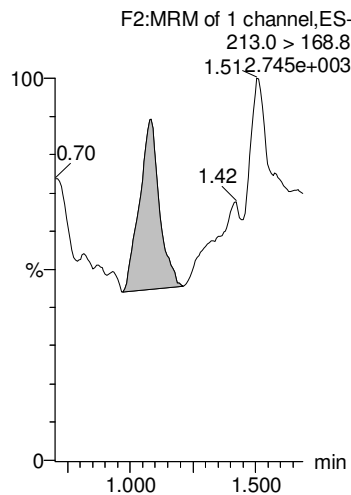
Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

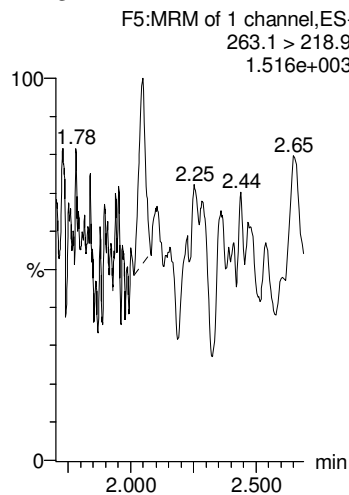
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

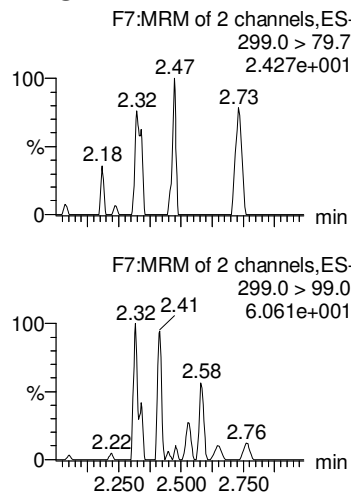
**PFBA**



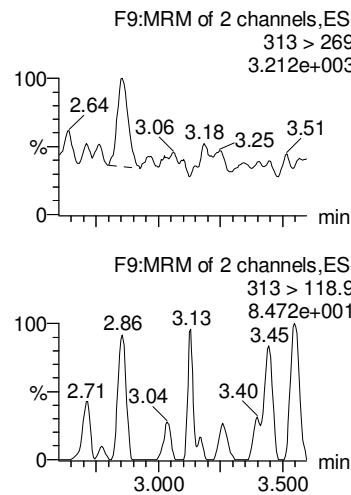
**PFPeA**



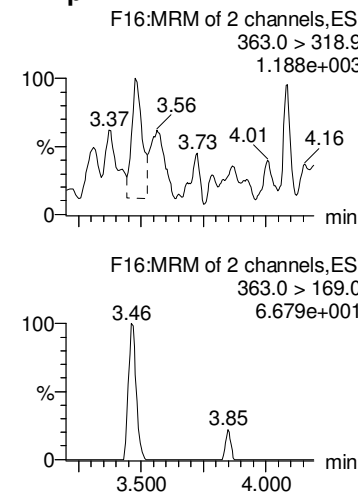
**PFBS**



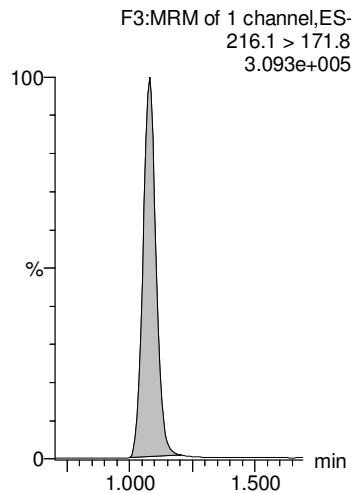
**PFHxA**



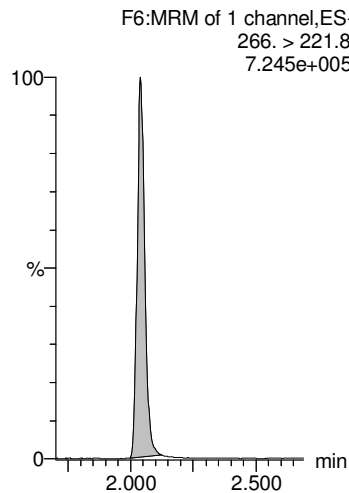
**PFHpA**



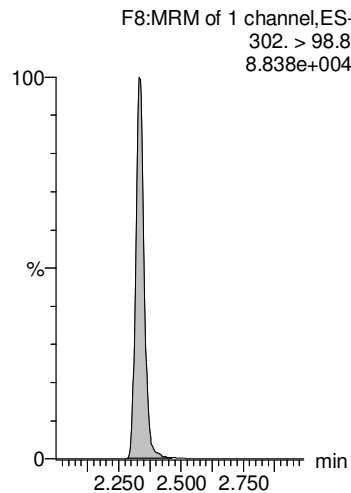
**13C3-PFBA**



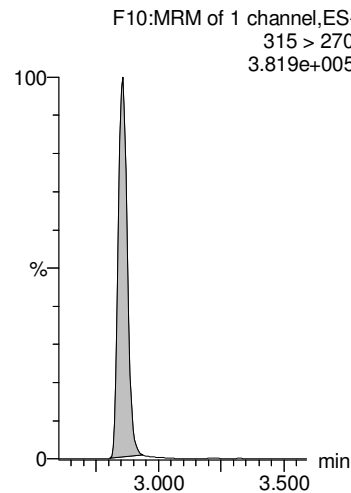
**13C3-PFPeA**



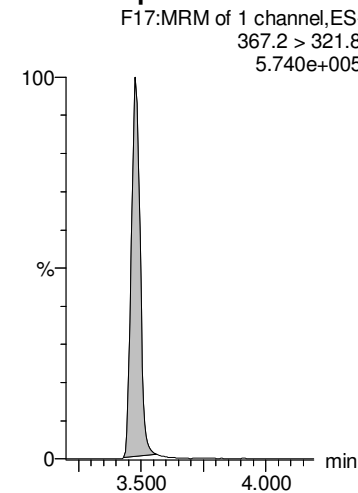
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

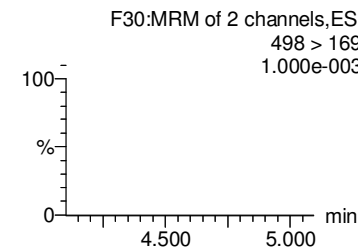
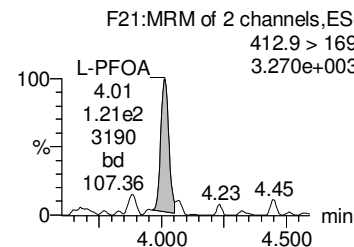
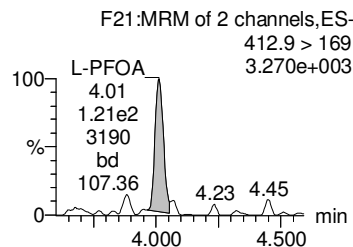
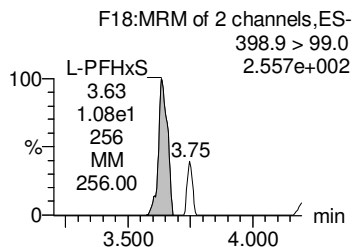
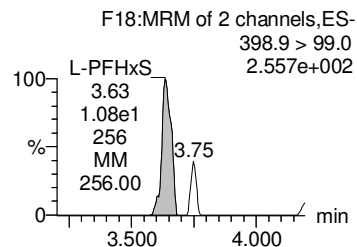
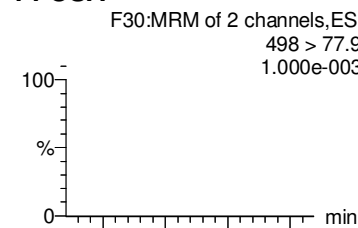
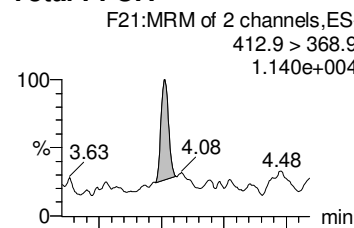
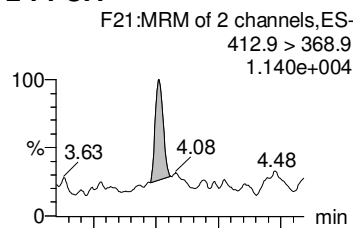
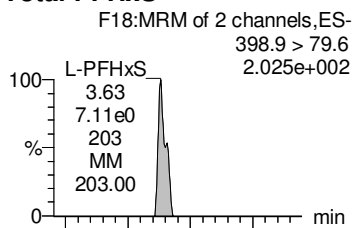
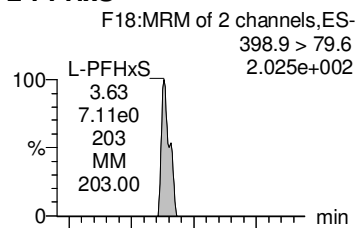
L-PFHxS

Total PFHxS

L-PFOA

Total PFOA

PFOSA



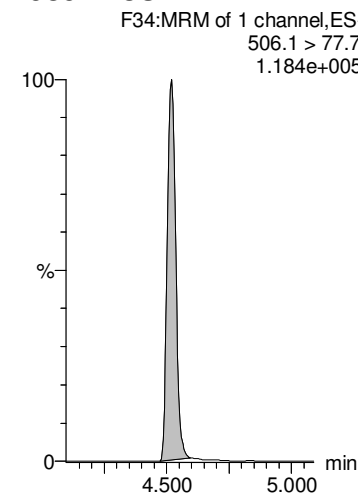
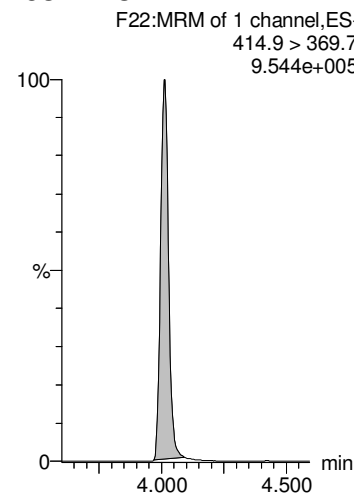
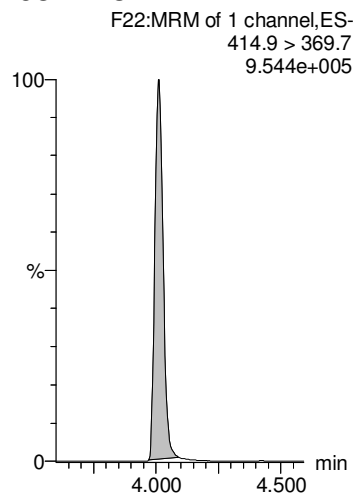
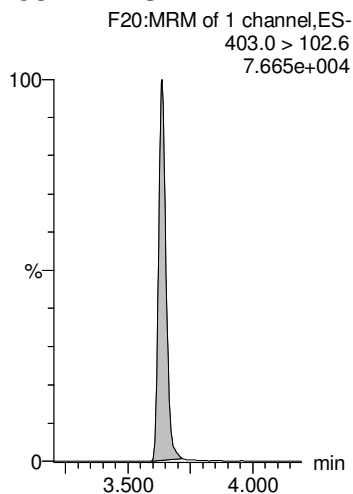
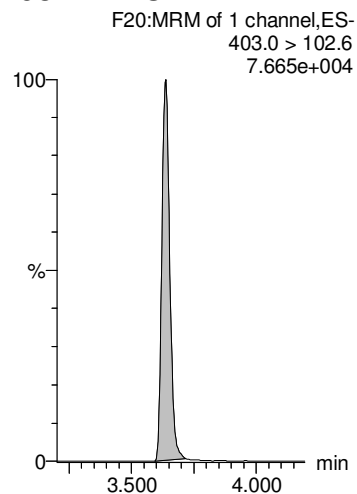
18O2-PFHxS

18O2-PFHxS

13C2-PFOA

13C2-PFOA

13C8-PFOSA





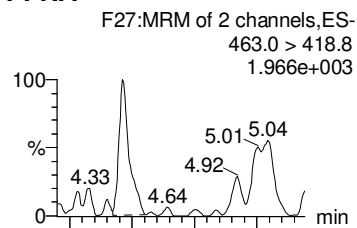
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

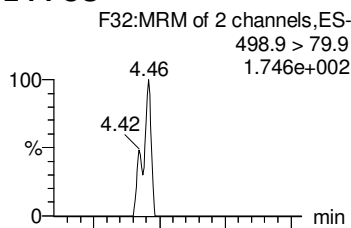
Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

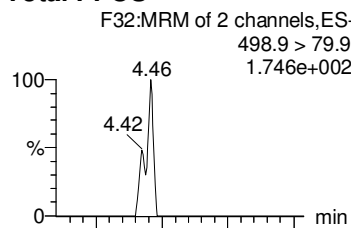
**PFNA**



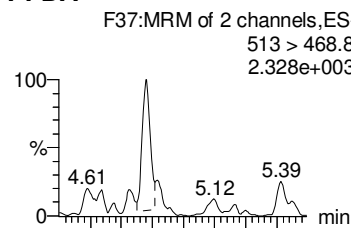
**L-PFOS**



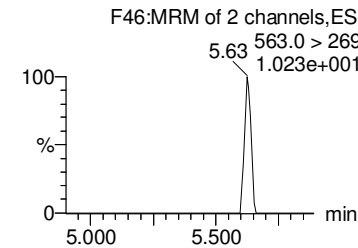
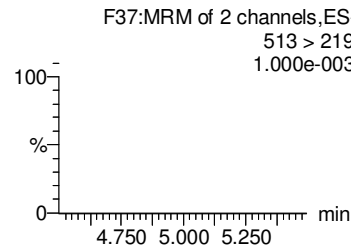
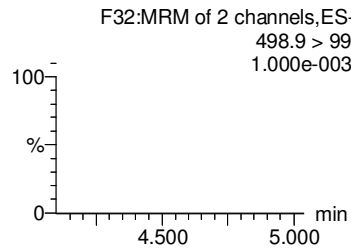
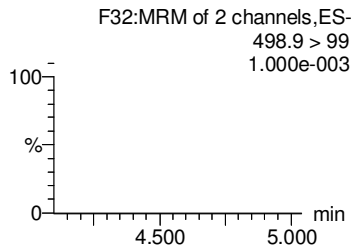
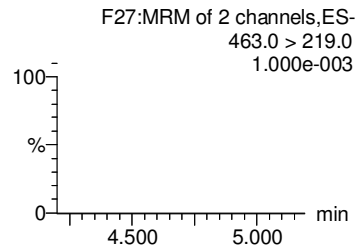
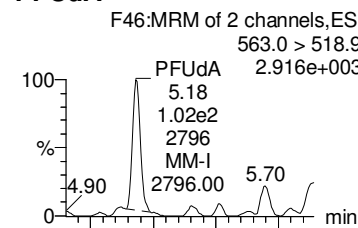
**Total PFOS**



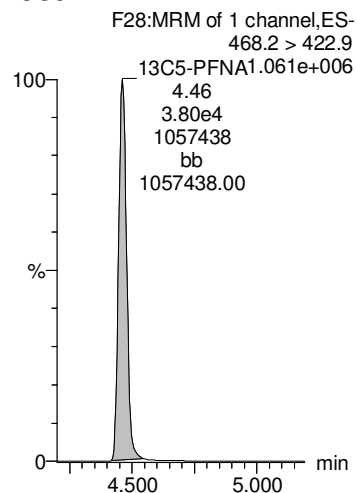
**PFDA**



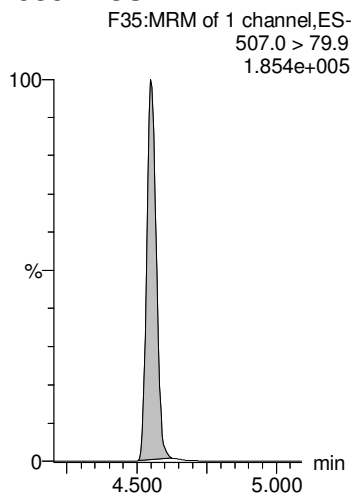
**PFUdA**



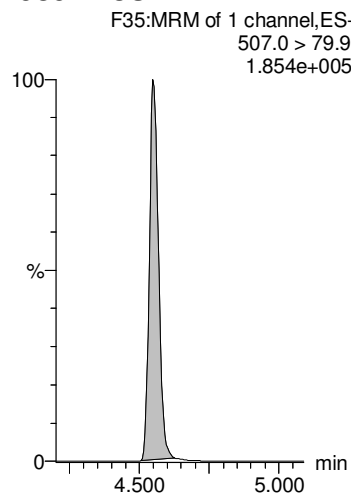
**13C5-PFNA**



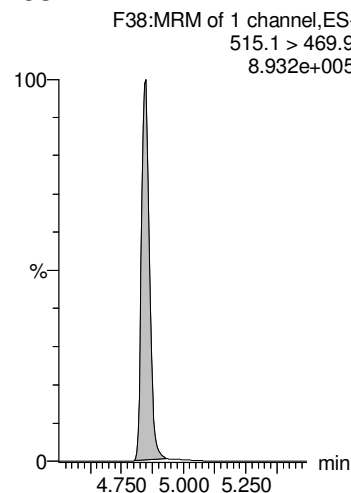
**13C8-PFOS**



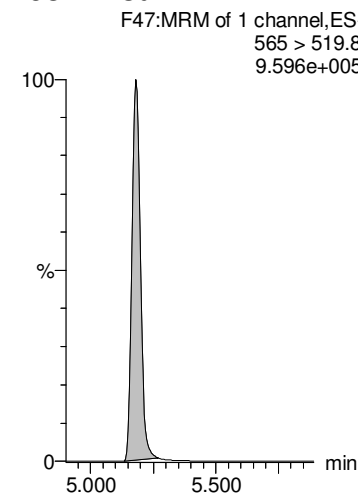
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

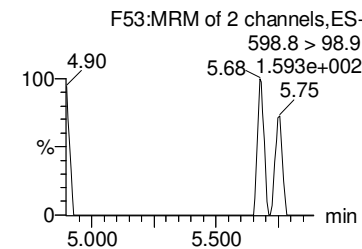
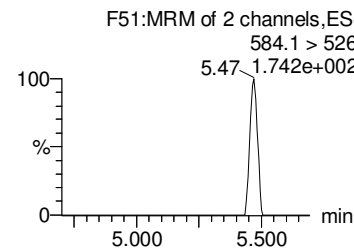
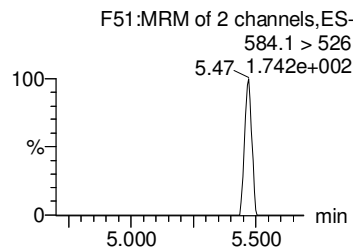
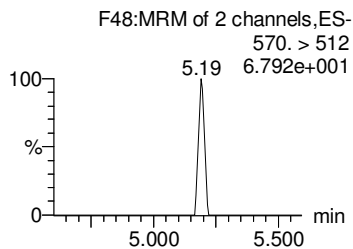
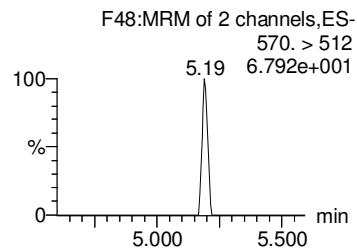
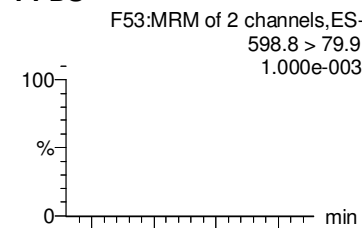
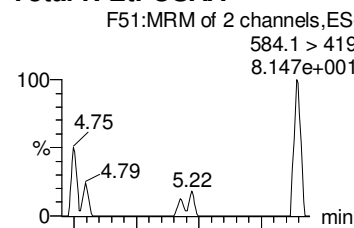
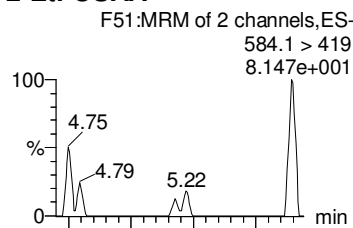
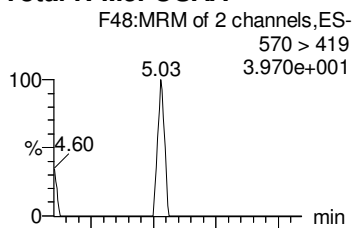
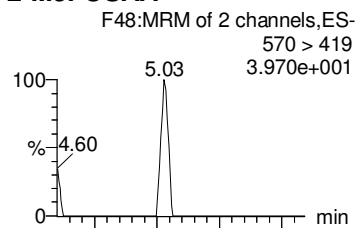
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



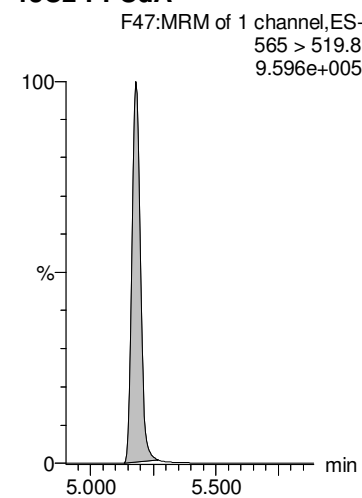
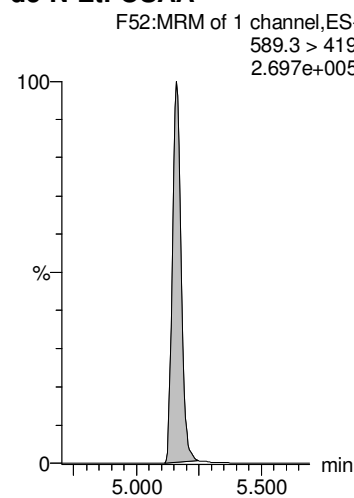
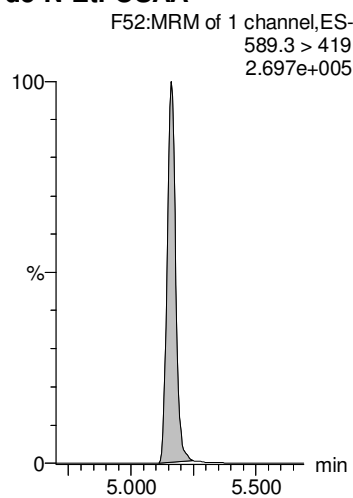
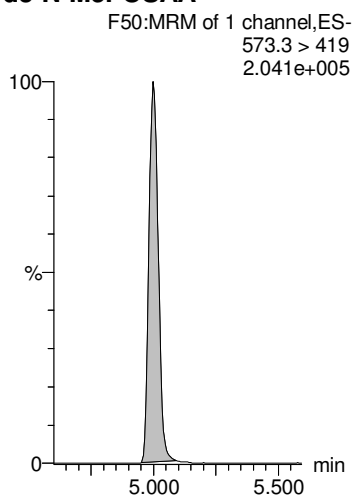
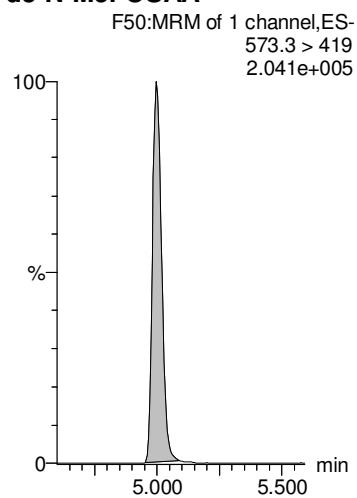
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



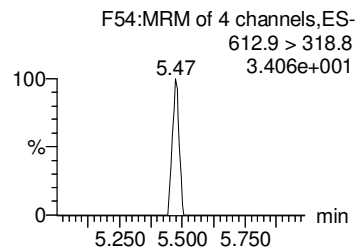
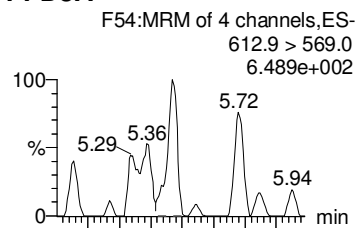
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

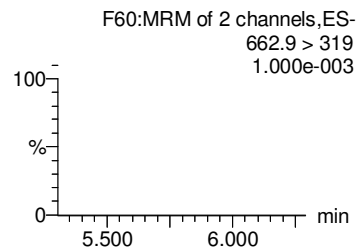
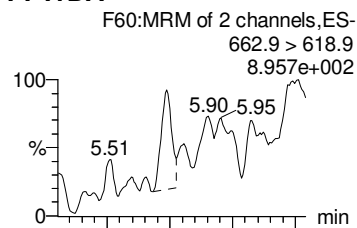
Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

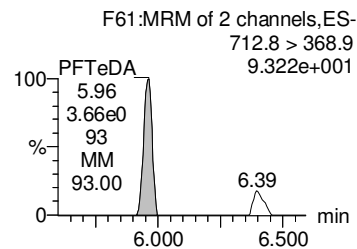
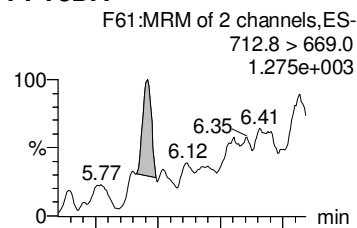
**PFDoA**



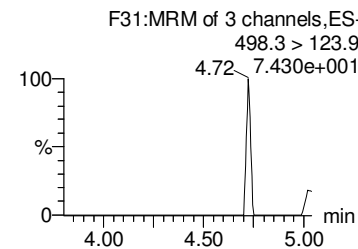
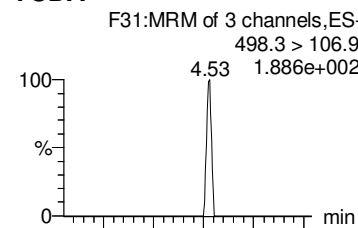
**PFTTrDA**



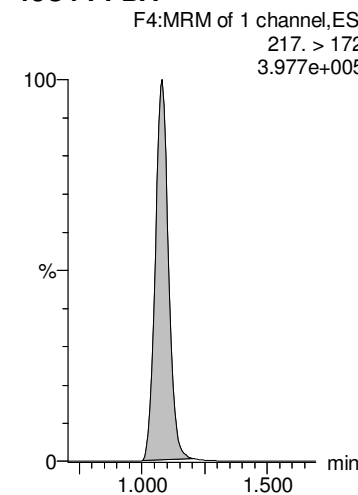
**PFTeDA**



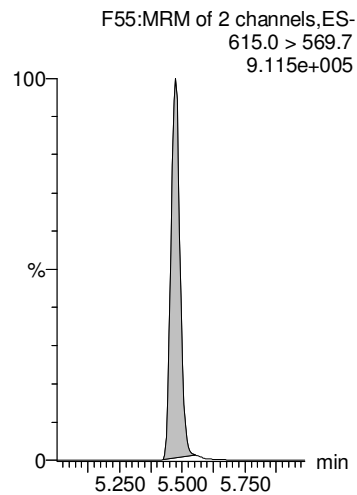
**TCDA**



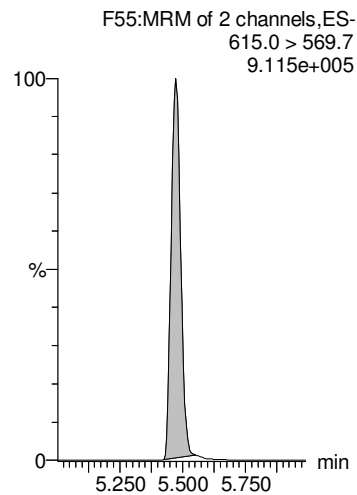
**13C4-PFBA**



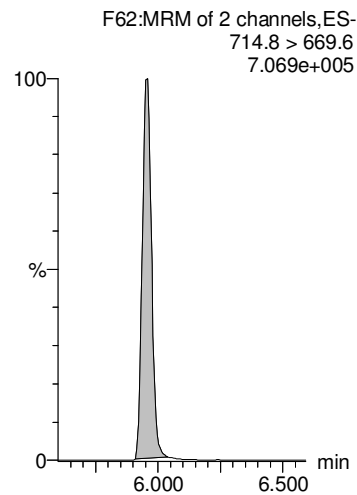
**13C2-PFDoA**



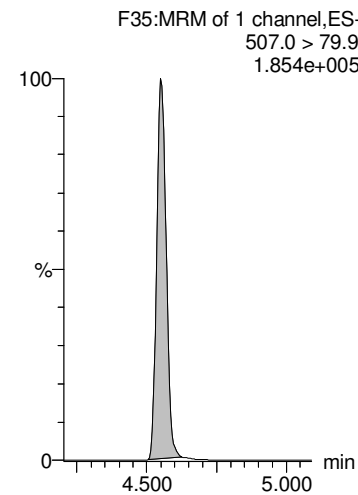
**13C2-PFDoA**



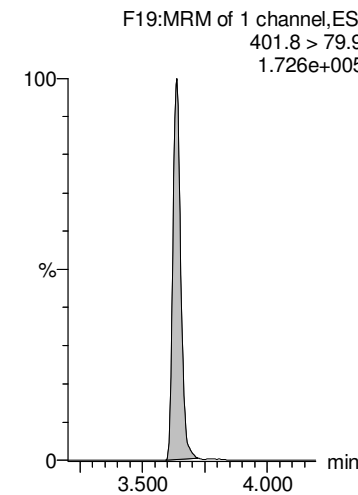
**13C2-PFTeDA**



**13C8-PFOS**



**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-26.qld

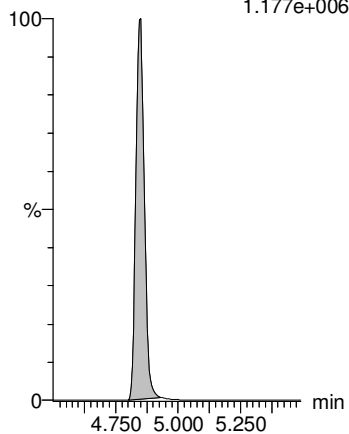
Last Altered: Tuesday, August 21, 2018 11:33:42 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:33:58 Pacific Daylight Time

Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518

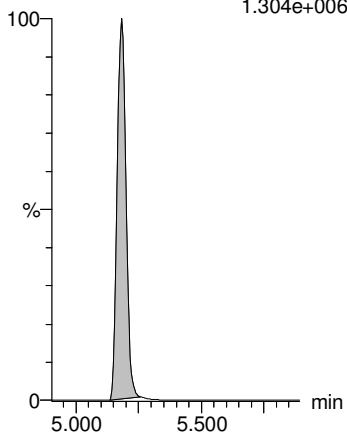
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.177e+006



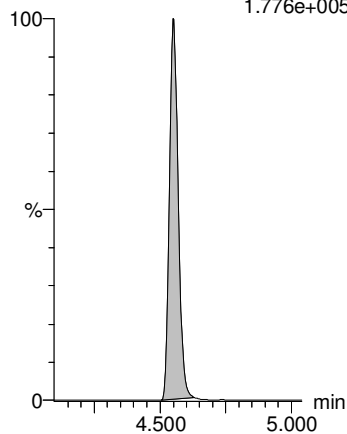
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.304e+006



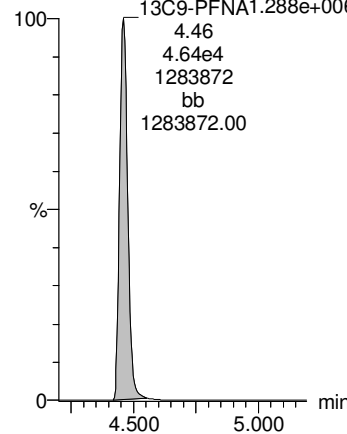
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.776e+005



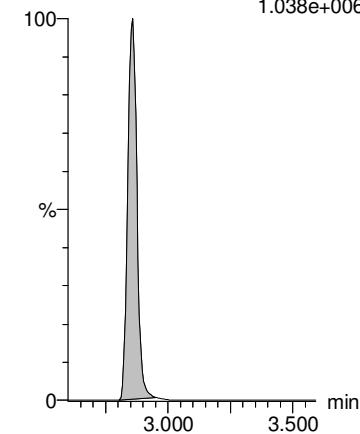
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.288e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.038e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	8.96e1	1.70e4	0.239	0.000	1.08	1.08	0.0658	0.3485			
2	2 PFPeA	263.1 > 218.9		2.42e4	0.239		2.04						
3	3 PFBS	299.0 > 79.7		2.81e3	0.239		2.34						
4	5 PFHxA	313 > 269	5.82e1	1.49e4	0.239	0.000	2.86	2.85	0.0196	0.0600		4.059	YES
5	7 PFHpA	363.0 > 318.9		2.15e4	0.239		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.70e4	2.16e4	0.239	0.786	1.16	1.08	9.83	49.9670	95.7		
7	37 13C3-PFPeA	266. > 221.8	2.42e4	4.09e4	0.239	0.591	2.14	2.04	7.38	63.4882	121.6		
8	38 13C3-PFBS	302. > 98.8	2.81e3	4.09e4	0.239	0.0686	2.44	2.34	0.857	71.1928	136.3		
9	40 13C2-PFHxA	315 > 270	1.49e4	4.09e4	0.239	0.908	2.95	2.86	4.54	19.4574	93.1		
10	41 13C4-PFHpA	367.2 > 321.8	2.15e4	4.09e4	0.239	0.526	3.56	3.48	6.57	44.8571	85.9		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	1.69e1	2.26e3	0.239	0.000	3.51	3.64	0.0937	0.2845		3.185	YES
13	68 Total PFHxS	398.9 > 79.6	1.69e1	2.26e3	0.239		3.65		0.0937	0.2845			
14	11 L-PFOA	412.9 > 368.9	2.83e2	3.37e4	0.239	0.000	4.00	4.01	0.105	0.2942		2.697	NO
15	69 Total PFOA	412.9 > 368.9	2.83e2	3.37e4	0.239		4.48		0.105	0.2942			
16	15 PFOSA	498 > 77.9		3.70e3	0.239		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.26e3	5.04e3	0.239	0.448	3.72	3.64	5.60	48.4096	92.7		
18	42 18O2-PFHxS	403.0 > 102.6	2.26e3	5.04e3	0.239	0.448	3.72	3.64	5.60	48.4096	92.7		
19	44 13C2-PFOA	414.9 > 369.7	3.37e4	4.50e4	0.239	0.749	4.09	4.01	9.37	47.6867	91.3		
20	44 13C2-PFOA	414.9 > 369.7	3.37e4	4.50e4	0.239	0.749	4.09	4.01	9.37	47.6867	91.3		
21	46 13C8-PFOSA	506.1 > 77.7	3.70e3	4.49e4	0.239	0.0824	4.60	4.52	1.03	24.4995	46.9		H
22	-1												
23	14 PFNA	463.0 > 418.8	5.01e1	3.50e4	0.239	0.000	4.54	4.46	0.0179	0.1741		5.648	NO
24	16 L-PFOS	498.9 > 79.9	2.12e0	5.66e3	0.239	0.000	4.63	4.44	0.00469	0.1334		1.318	NO
25	70 Total PFOS	498.9 > 79.9	2.12e0	5.66e3	0.239		4.60		0.00469	0.1334			
26	18 PFDA	513 > 468.8	7.14e1	3.03e4	0.239	0.000	4.92	4.85	0.0295	0.1374		11.995	YES
27	25 PFUdA	563.0 > 518.9	1.02e2	3.33e4	0.239	0.000	5.25	5.18	0.0385	0.0710		28.716	YES
28	45 13C5-PFNA	468.2 > 422.9	3.50e4	4.05e4	0.239	0.864	4.54	4.46	10.8	46.3927	88.8		
29	47 13C8-PFOS	507.0 > 79.9	5.66e3	5.60e3	0.239	1.01	4.63	4.55	12.6	50.1252	96.0		
30	47 13C8-PFOS	507.0 > 79.9	5.66e3	5.60e3	0.239	1.01	4.63	4.55	12.6	50.1252	96.0		
31	48 13C2-PFDA	515.1 > 469.9	3.03e4	4.20e4	0.239	0.720	4.92	4.85	9.00	39.2650	75.2		
32	51 13C2-PFUdA	565 > 519.8	3.33e4	4.49e4	0.239	0.741	5.25	5.18	9.26	39.3767	75.4		
33	-1												
34	21 L-MeFOSAA	570 > 419		6.90e3	0.239		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	6.90e3	0.239		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		8.84e3	0.239		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	8.84e3	0.239		5.23		0.000				
38	26 PFDS	598.8 > 79.9		5.66e3	0.239		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	6.90e3	4.49e4	0.239	0.154	5.08	5.00	1.92	33.2466	63.7		
40	50 d3-N-MeFOSAA	573.3 > 419	6.90e3	4.49e4	0.239	0.154	5.08	5.00	1.92	33.2466	63.7		
41	52 d5-N-EtFOSAA	589.3 > 419	8.84e3	4.49e4	0.239	0.197	5.23	5.16	2.46	39.2757	75.2		
42	52 d5-N-EtFOSAA	589.3 > 419	8.84e3	4.49e4	0.239	0.197	5.23	5.16	2.46	39.2757	75.2		
43	51 13C2-PFUdA	565 > 519.8	3.33e4	4.49e4	0.239	0.741	5.25	5.18	9.26	39.3767	75.4		
44	-1												
45	27 PFDoA	612.9 > 569.0		3.44e4	0.239		5.54						
46	29 PFTrDA	662.9 > 618.9		3.44e4	0.239		5.79						
47	30 PFTeDA	712.8 > 669.0	4.93e1	2.43e4	0.239	0.000	6.01	5.96	0.0254	0.1316		5.960	YES
48	73 TCDA	498.3 > 106.9			0.239		5.11						
49	60 13C4-PFBA	217. > 172	2.16e4	2.16e4	0.239	1.00	1.15	1.08	12.5	52.2270	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.44e4	4.20e4	0.239	0.817	5.54	5.47	10.2	39.4275	75.5		
51	53 13C2-PFDoA	615.0 > 569.7	3.44e4	4.20e4	0.239	0.817	5.54	5.47	10.2	39.4275	75.5		
52	55 13C2-PFTeDA	714.8 > 669.6	2.43e4	4.49e4	0.239	0.542	6.01	5.96	6.77	36.4284	69.8		
53	47 13C8-PFOS	507.0 > 79.9	5.66e3	5.60e3	0.239	1.01	4.63	4.55	12.6	50.1252	96.0		
54	62 13C3-PFHxS	401.8 > 79.9	5.04e3	5.04e3	0.239	1.00	3.72	3.64	12.5	52.2270	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.20e4	4.20e4	0.239	1.00	4.92	4.85	12.5	52.2270	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	4.49e4	4.49e4	0.239	1.00	5.25	5.18	12.5	52.2270	100.0		
58	65 13C4-PFOS	503 > 79.9	5.60e3	5.60e3	0.239	1.00	4.63	4.55	12.5	52.2270	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.05e4	4.05e4	0.239	1.00	4.54	4.46	12.5	52.2270	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.09e4	4.09e4	0.239	1.00	2.95	2.86	12.5	52.2270	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

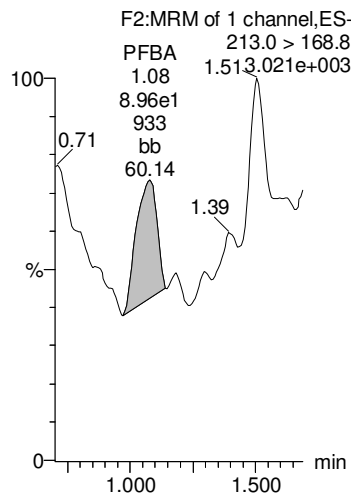
Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

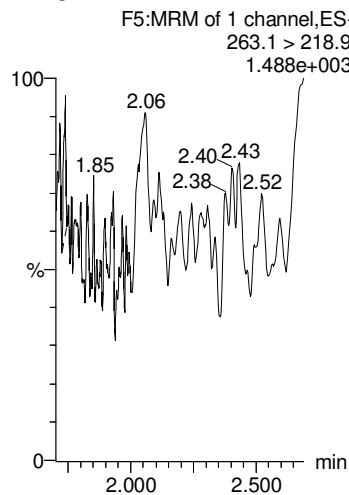
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

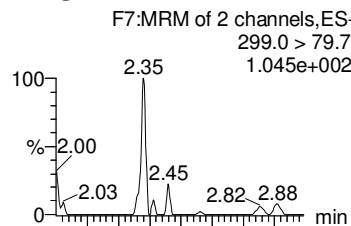
**PFBA**



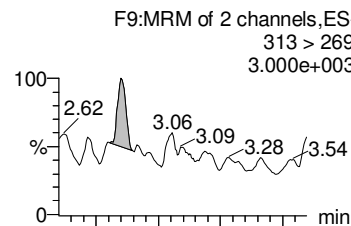
**PFPeA**



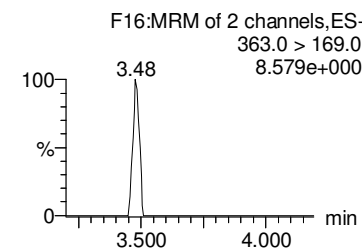
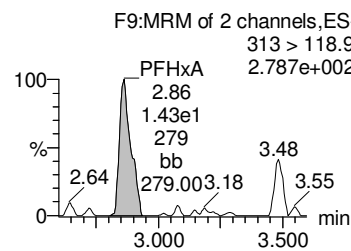
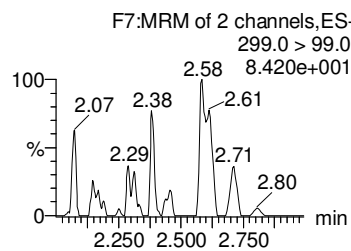
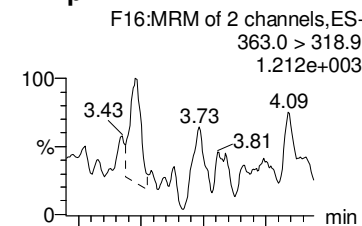
**PFBS**



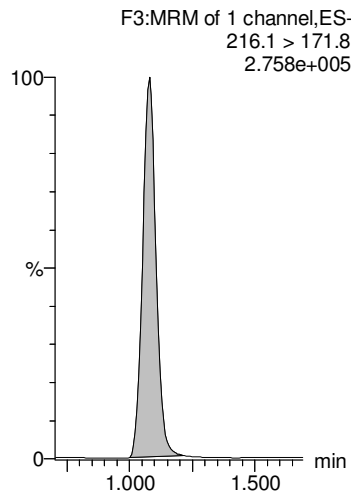
**PFHxA**



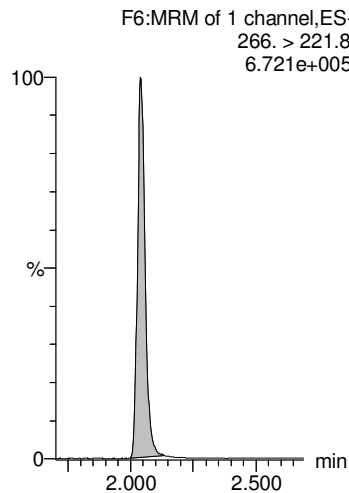
**PFHpA**



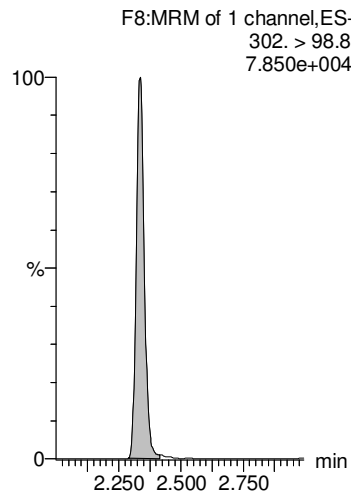
**13C3-PFBA**



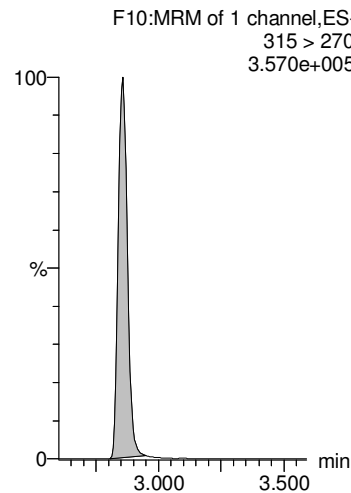
**13C3-PFPeA**



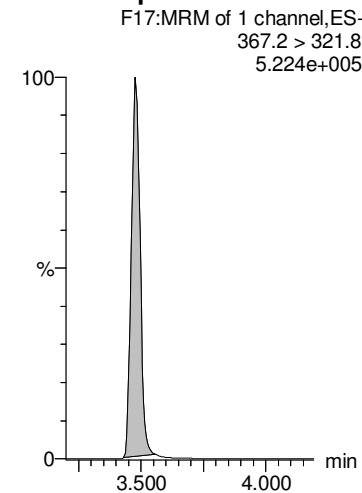
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

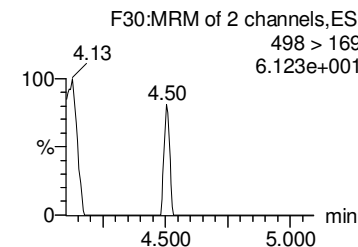
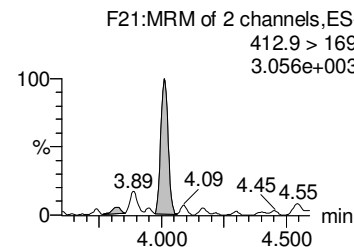
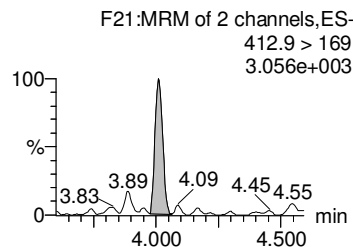
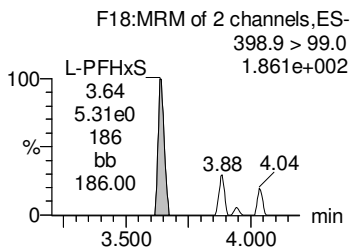
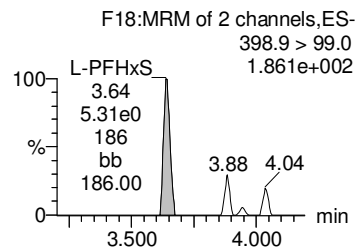
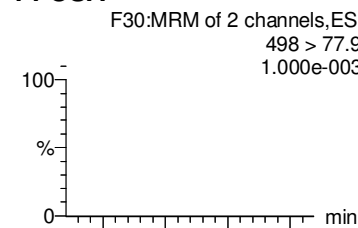
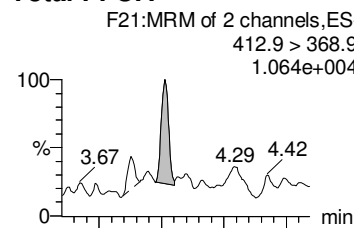
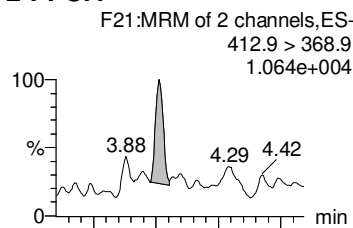
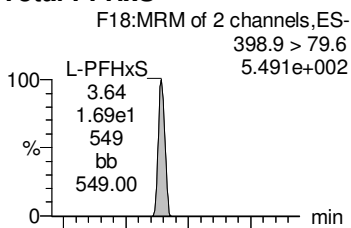
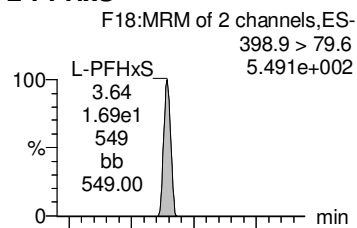
L-PFHxS

Total PFHxS

L-PFOA

Total PFOA

PFOSA



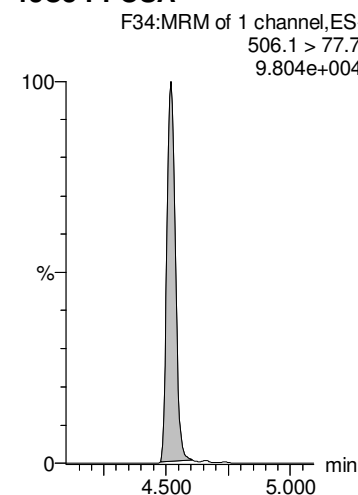
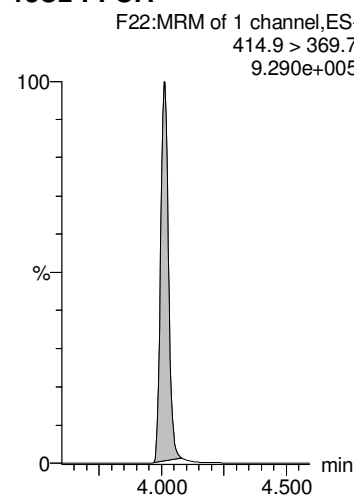
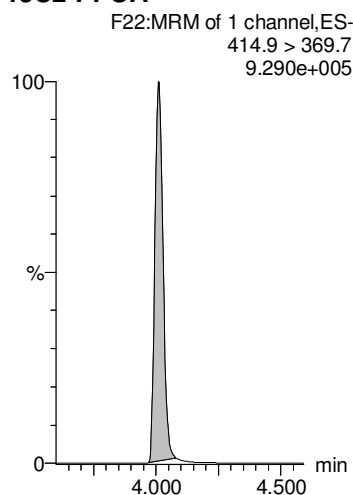
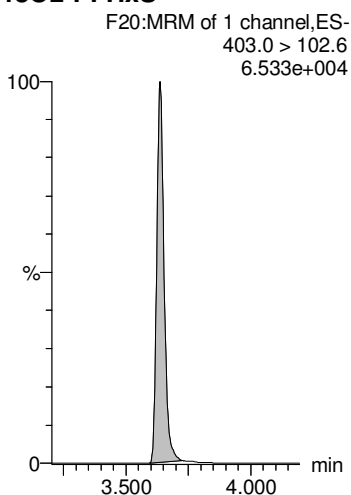
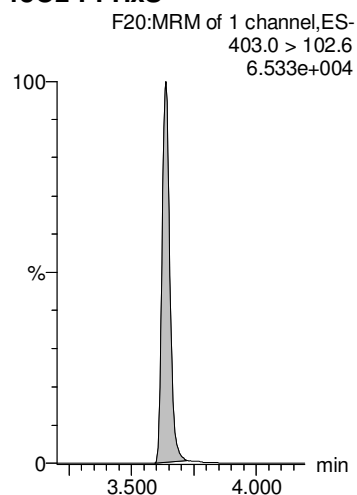
18O2-PFHxS

18O2-PFHxS

13C2-PFOA

13C2-PFOA

13C8-PFOSA





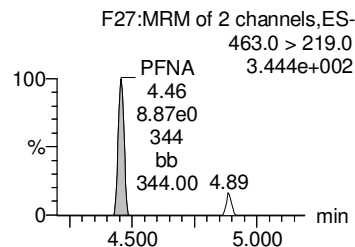
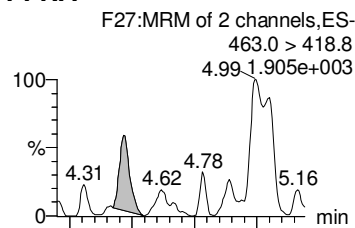
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

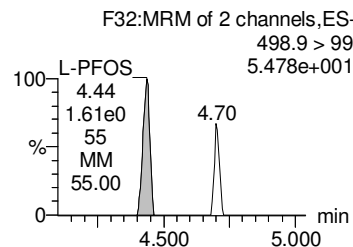
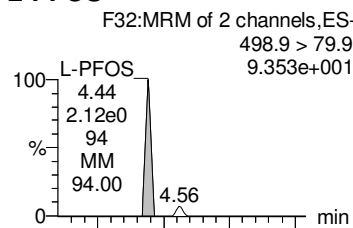
Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

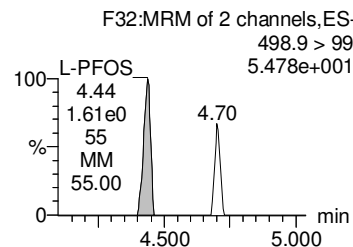
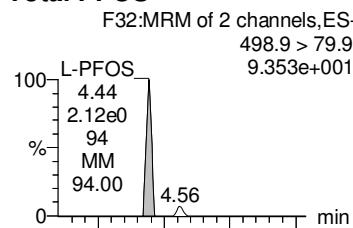
**PFNA**



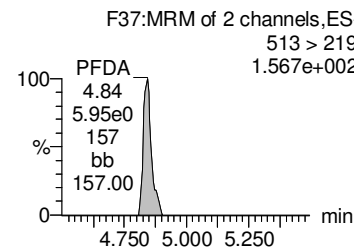
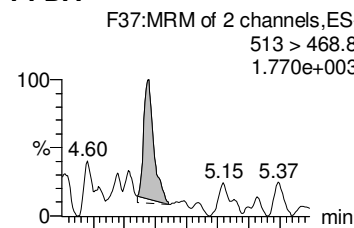
**L-PFOS**



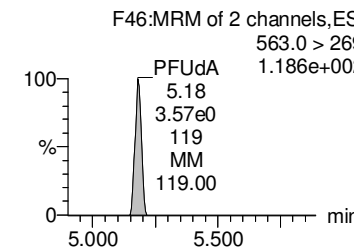
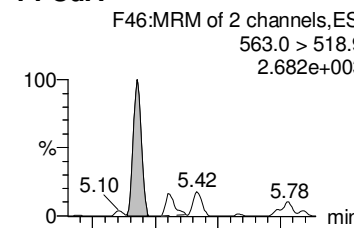
**Total PFOS**



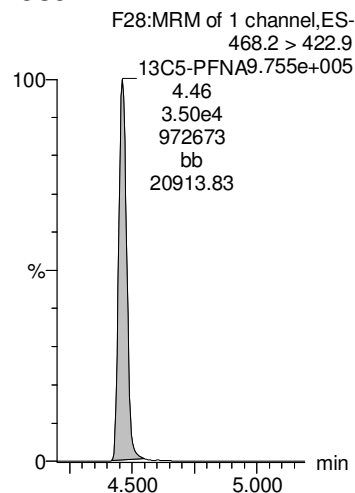
**PFDA**



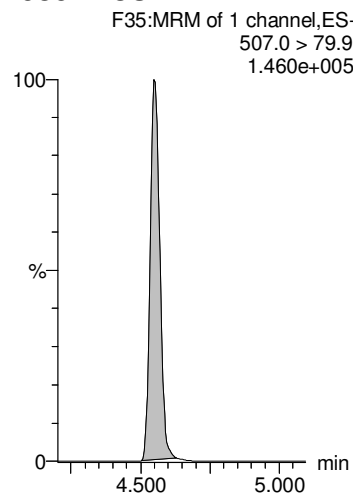
**PFUdA**



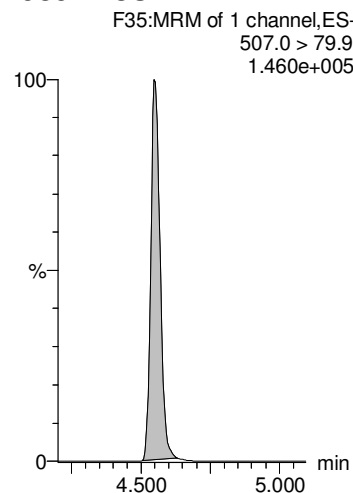
**13C5-PFNA**



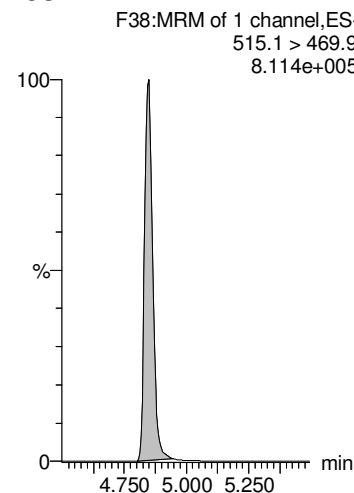
**13C8-PFOS**



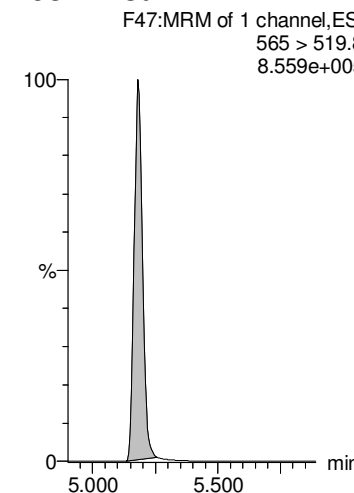
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

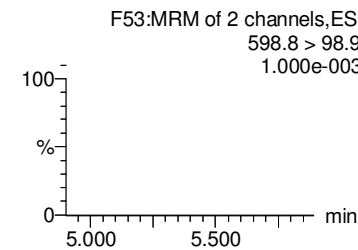
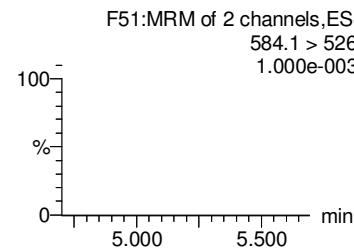
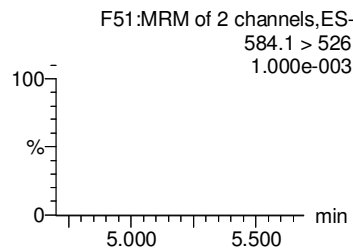
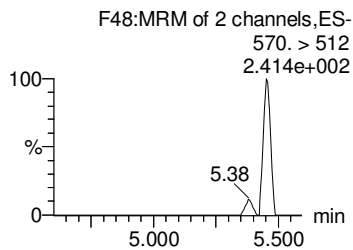
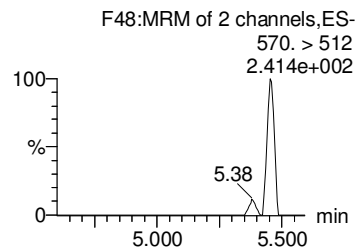
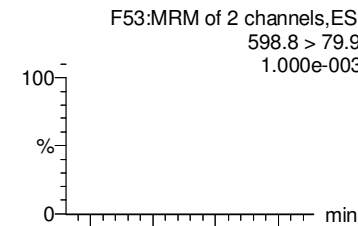
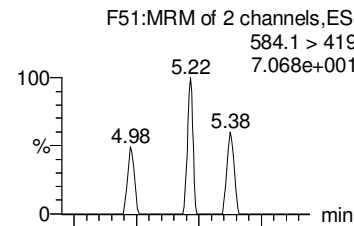
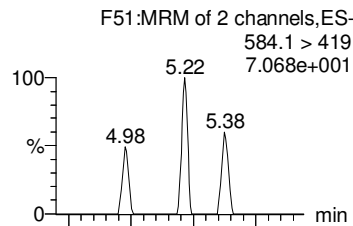
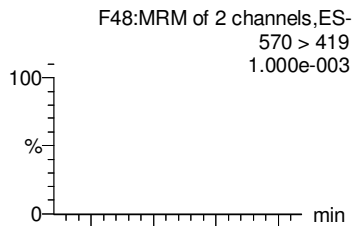
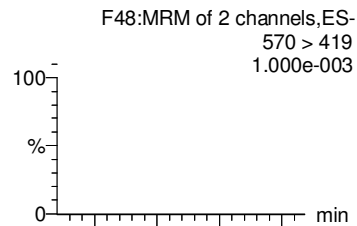
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



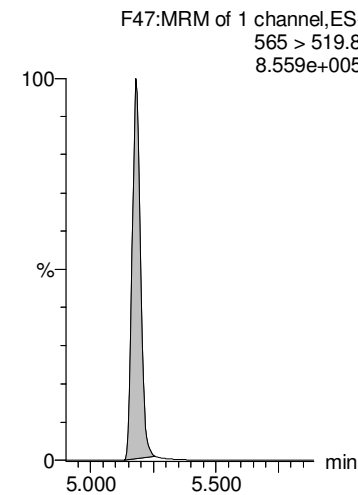
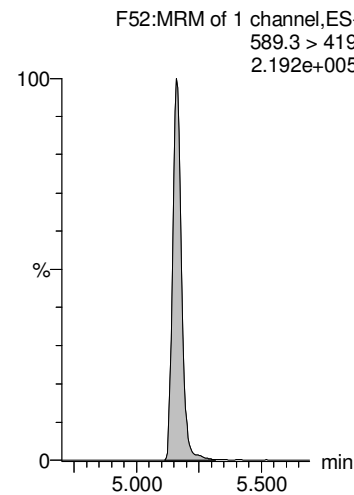
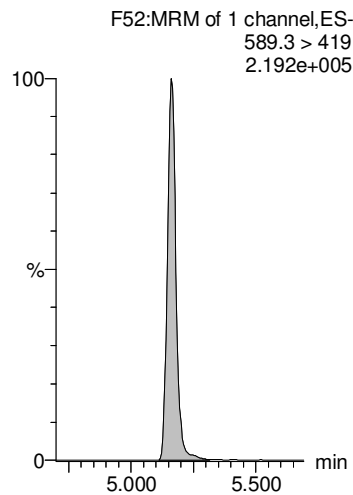
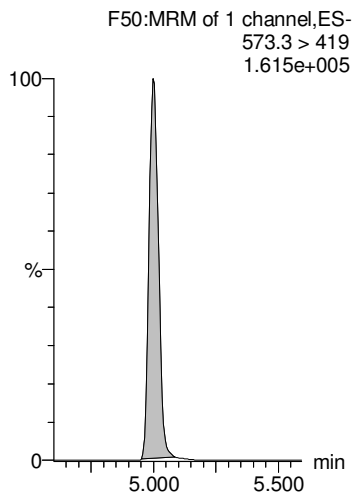
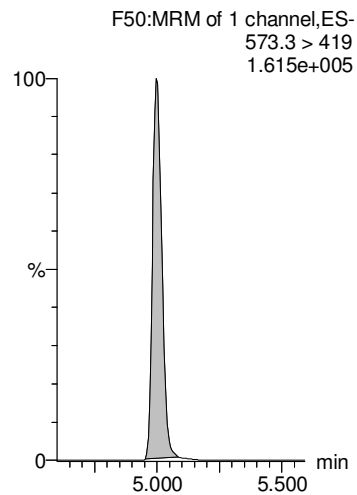
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



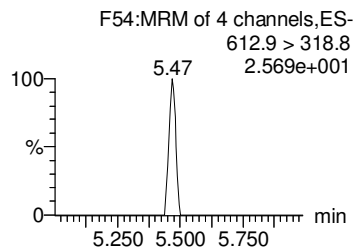
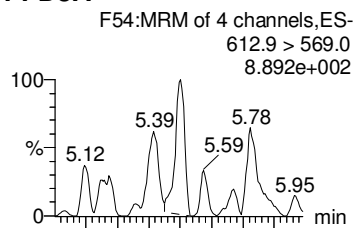
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

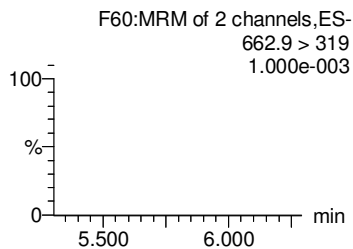
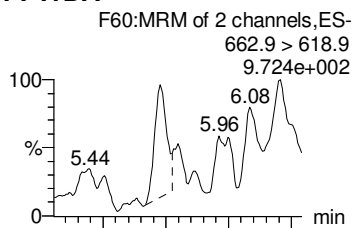
Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

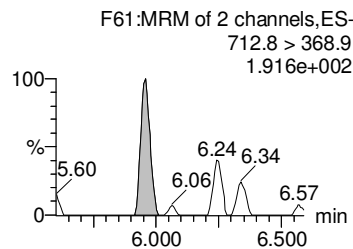
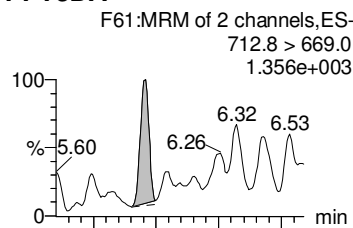
**PFDoA**



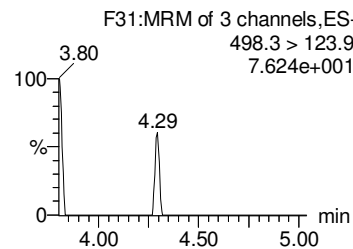
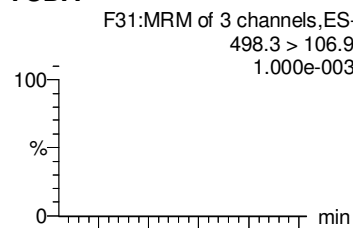
**PFTTrDA**



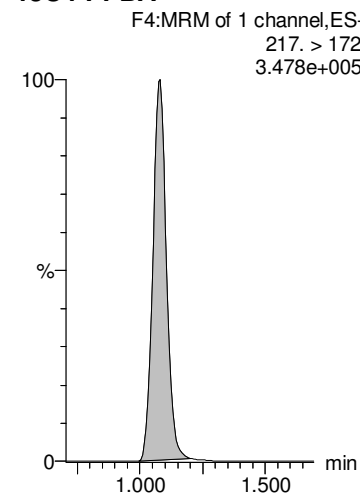
**PFTeDA**



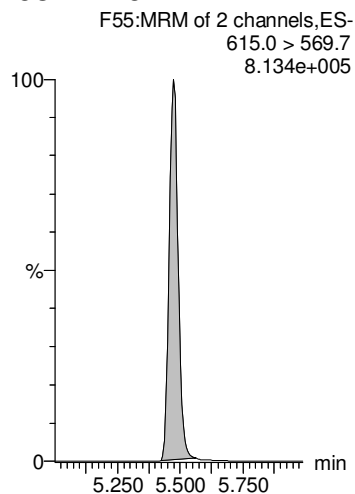
**TCDA**



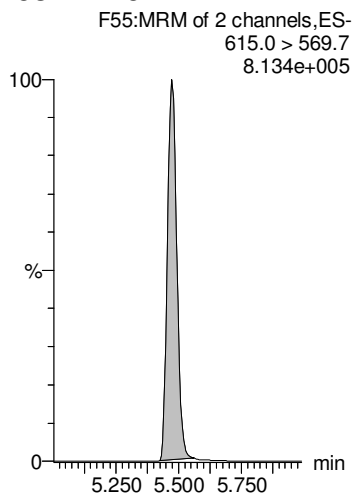
**13C4-PFBA**



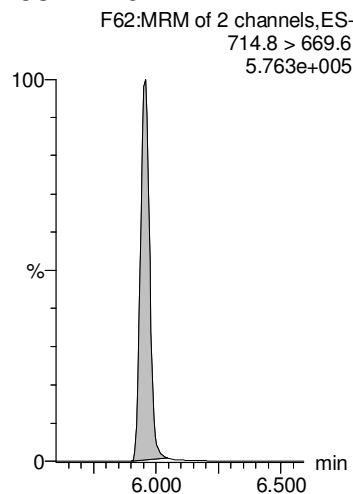
**13C2-PFDoA**



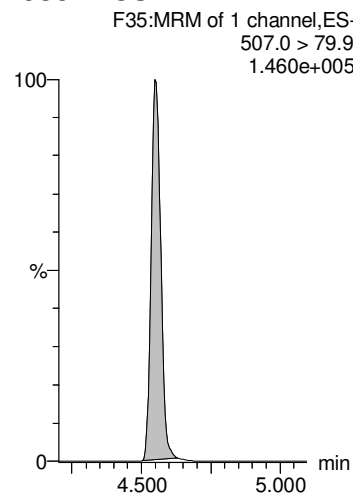
**13C2-PFDoA**



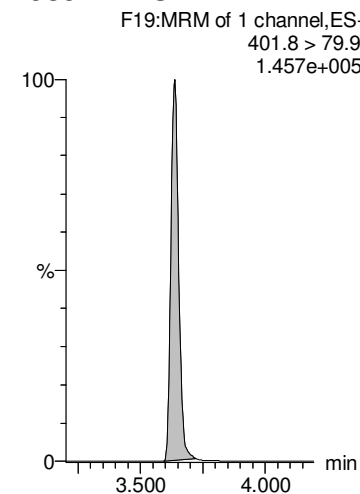
**13C2-PFTeDA**



**13C8-PFOS**



**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-28.qld

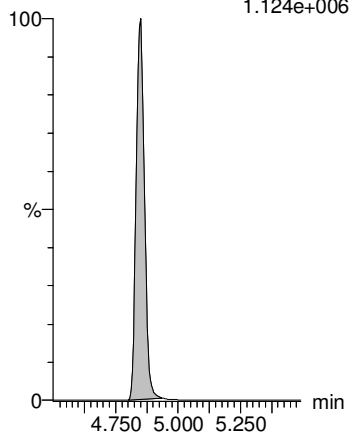
Last Altered: Tuesday, August 21, 2018 11:39:18 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:39:35 Pacific Daylight Time

Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518

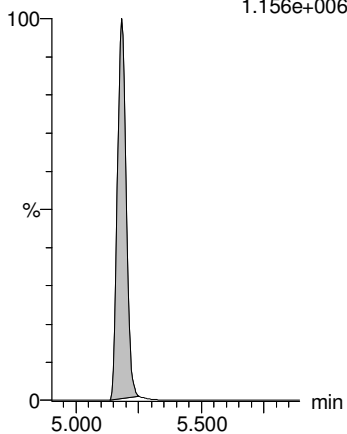
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.124e+006



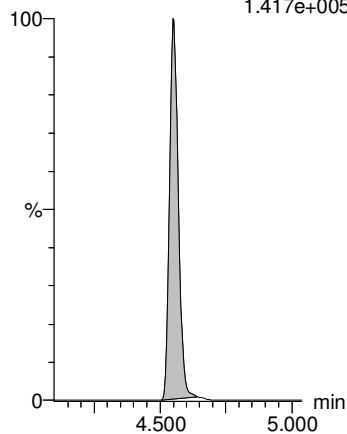
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.156e+006



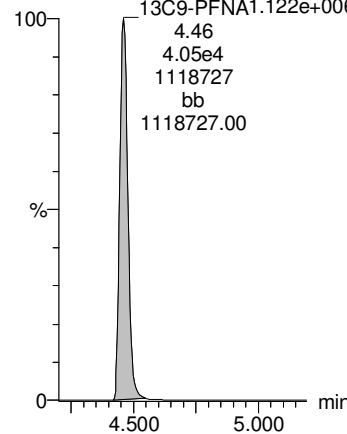
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.417e+005



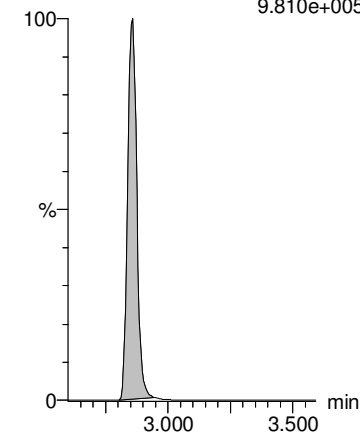
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.122e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
9.810e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.48e4	1.75e4	0.249	0.000	1.08	1.08	10.5	36.8138			
2	2 PFPeA	263.1 > 218.9	1.81e4	2.42e4	0.249	0.000	2.04	2.04	9.33	39.5052			
3	3 PFBS	299.0 > 79.7	4.17e3	2.84e3	0.249	0.000	2.33	2.33	18.3	36.8399		2.769	NO
4	5 PFHxA	313 > 269	2.72e4	1.44e4	0.249	0.000	2.86	2.86	9.41	39.3271		14.392	NO
5	7 PFHpA	363.0 > 318.9	1.91e4	2.24e4	0.249	0.000	3.48	3.48	10.7	38.3457		21.812	NO
6	36 13C3-PFBA	216.1 > 171.8	1.75e4	2.41e4	0.249	0.726	1.16	1.08	9.07	44.3142	88.3		
7	37 13C3-PFPeA	266. > 221.8	2.42e4	4.25e4	0.249	0.570	2.14	2.04	7.13	58.8873	117.3		
8	38 13C3-PFBS	302. > 98.8	2.84e3	4.25e4	0.249	0.0669	2.44	2.33	0.837	66.8160	133.1		
9	40 13C2-PFHxA	315 > 270	1.44e4	4.25e4	0.249	0.850	2.95	2.86	4.25	17.5049	87.2		
10	41 13C4-PFHpA	367.2 > 321.8	2.24e4	4.25e4	0.249	0.526	3.56	3.48	6.58	43.1788	86.0		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	3.06e3	2.44e3	0.249	0.000	3.51	3.64	15.7	36.2954		1.730	NO
13	68 Total PFHxS	398.9 > 79.6	3.06e3	2.44e3	0.249		3.65		15.7	36.2954			
14	11 L-PFOA	412.9 > 368.9	2.60e4	3.24e4	0.249	0.000	4.00	4.01	10.1	39.9128		2.731	NO
15	69 Total PFOA	412.9 > 368.9	2.60e4	3.24e4	0.249		4.48		10.1	39.9128			
16	15 PFOSA	498 > 77.9	3.72e3	4.65e3	0.249	0.000	4.60	4.52	9.99	38.7746		34.527	NO
17	42 18O2-PFHxS	403.0 > 102.6	2.44e3	5.39e3	0.249	0.453	3.72	3.63	5.66	47.0128	93.7		
18	42 18O2-PFHxS	403.0 > 102.6	2.44e3	5.39e3	0.249	0.453	3.72	3.63	5.66	47.0128	93.7		
19	44 13C2-PFOA	414.9 > 369.7	3.24e4	4.73e4	0.249	0.685	4.09	4.01	8.56	41.8815	83.4		
20	44 13C2-PFOA	414.9 > 369.7	3.24e4	4.73e4	0.249	0.685	4.09	4.01	8.56	41.8815	83.4		
21	46 13C8-PFOSA	506.1 > 77.7	4.65e3	4.78e4	0.249	0.0972	4.60	4.52	1.21	27.7783	55.3		
22	-1												
23	14 PFNA	463.0 > 418.8	3.03e4	3.19e4	0.249	0.000	4.54	4.46	11.9	40.5836		5.210	NO
24	16 L-PFOS	498.9 > 79.9	3.99e3	5.66e3	0.249	0.000	4.63	4.55	8.81	38.4360		1.680	NO
25	70 Total PFOS	498.9 > 79.9	3.99e3	5.66e3	0.249		4.60		8.81	38.4360			
26	18 PFDA	513 > 468.8	3.06e4	3.14e4	0.249	0.000	4.92	4.84	12.2	39.1948		6.350	NO
27	25 PFUdA	563.0 > 518.9	2.51e4	3.48e4	0.249	0.000	5.25	5.18	9.01	37.5868		11.936	NO
28	45 13C5-PFNA	468.2 > 422.9	3.19e4	4.05e4	0.249	0.786	4.54	4.46	9.83	40.5690	80.8		
29	47 13C8-PFOS	507.0 > 79.9	5.66e3	6.25e3	0.249	0.906	4.63	4.55	11.3	43.2161	86.1		
30	47 13C8-PFOS	507.0 > 79.9	5.66e3	6.25e3	0.249	0.906	4.63	4.55	11.3	43.2161	86.1		
31	48 13C2-PFDA	515.1 > 469.9	3.14e4	4.25e4	0.249	0.739	4.92	4.84	9.24	38.7582	77.2		
32	51 13C2-PFUdA	565 > 519.8	3.48e4	4.78e4	0.249	0.727	5.25	5.18	9.09	37.1176	73.9		
33	-1												
34	21 L-MeFOSAA	570 > 419	7.32e3	8.22e3	0.249	0.000	4.98	5.00	11.1	36.9919		2.720	NO
35	71 Total N-MeFOSAA	570. > 419	7.32e3	8.22e3	0.249		5.07		11.1	36.9919			
36	23 L-EtFOSAA	584.1 > 419	6.47e3	8.99e3	0.249	0.000	5.24	5.17	9.00	38.6446		1.544	NO

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	6.47e3	8.99e3	0.249		5.23		9.00	38.6446			
38	26 PFDS	598.8 > 79.9	3.91e3	5.66e3	0.249	0.000	5.30	5.23	8.65	37.7474		1.645	NO
39	50 d3-N-MeFOSAA	573.3 > 419	8.22e3	4.78e4	0.249	0.172	5.08	5.00	2.15	35.7345	71.2		
40	50 d3-N-MeFOSAA	573.3 > 419	8.22e3	4.78e4	0.249	0.172	5.08	5.00	2.15	35.7345	71.2		
41	52 d5-N-EtFOSAA	589.3 > 419	8.99e3	4.78e4	0.249	0.188	5.23	5.16	2.35	35.9968	71.7		
42	52 d5-N-EtFOSAA	589.3 > 419	8.99e3	4.78e4	0.249	0.188	5.23	5.16	2.35	35.9968	71.7		
43	51 13C2-PFUdA	565 > 519.8	3.48e4	4.78e4	0.249	0.727	5.25	5.18	9.09	37.1176	73.9		
44	-1												
45	27 PFDoA	612.9 > 569.0	2.96e4	3.45e4	0.249	0.000	5.54	5.47	10.7	38.9303		8.934	NO
46	29 PFTTrDA	662.9 > 618.9	3.12e4	3.45e4	0.249	0.000	5.79	5.73	11.3	39.5231		30.113	NO
47	30 PFTeDA	712.8 > 669.0	2.52e4	2.55e4	0.249	0.000	6.01	5.96	12.4	39.0448		11.646	NO
48	73 TCDA	498.3>106.9			0.249		5.11						
49	60 13C4-PFBA	217. > 172	2.41e4	2.41e4	0.249	1.00	1.15	1.07	12.5	50.1988	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.45e4	4.25e4	0.249	0.811	5.54	5.47	10.1	37.6048	74.9		
51	53 13C2-PFDoA	615.0 > 569.7	3.45e4	4.25e4	0.249	0.811	5.54	5.47	10.1	37.6048	74.9		
52	55 13C2-PFTeDA	714.8 > 669.6	2.55e4	4.78e4	0.249	0.532	6.01	5.96	6.66	34.4025	68.5		
53	47 13C8-PFOS	507.0 > 79.9	5.66e3	6.25e3	0.249	0.906	4.63	4.55	11.3	43.2161	86.1		
54	62 13C3-PFHxS	401.8 > 79.9	5.39e3	5.39e3	0.249	1.00	3.72	3.63	12.5	50.1988	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.25e4	4.25e4	0.249	1.00	4.92	4.84	12.5	50.1988	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	4.78e4	4.78e4	0.249	1.00	5.25	5.18	12.5	50.1988	100.0		
58	65 13C4-PFOS	503 > 79.9	6.25e3	6.25e3	0.249	1.00	4.63	4.55	12.5	50.1988	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.05e4	4.05e4	0.249	1.00	4.54	4.46	12.5	50.1988	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.25e4	4.25e4	0.249	1.00	2.95	2.86	12.5	50.1988	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

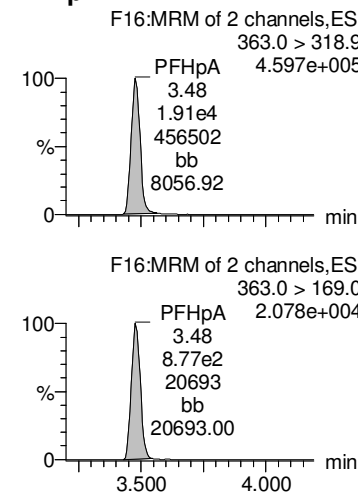
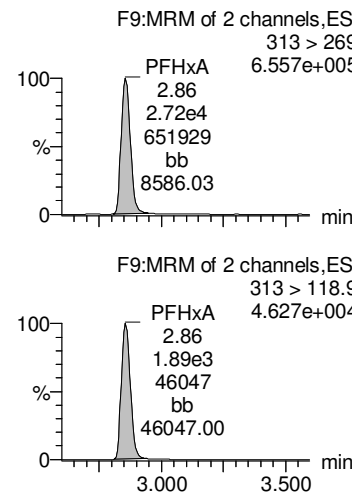
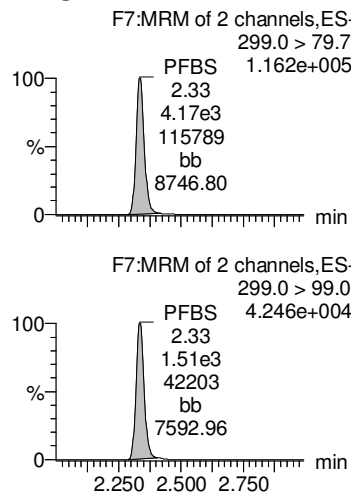
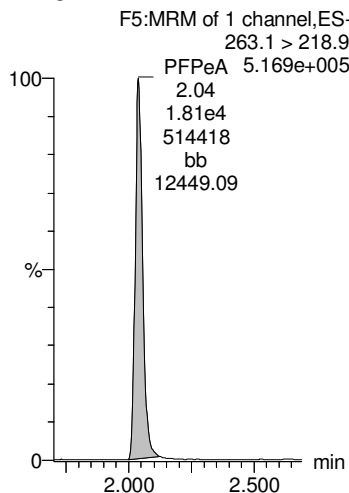
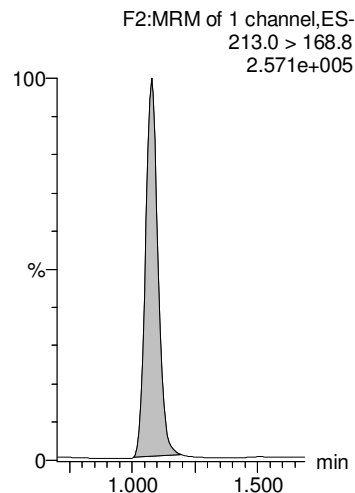
**PFBA**

**PFPeA**

**PFBS**

**PFHxA**

**PFHpA**



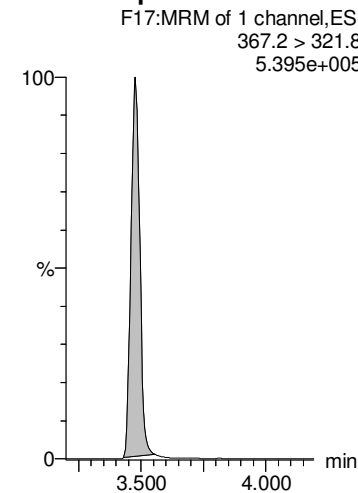
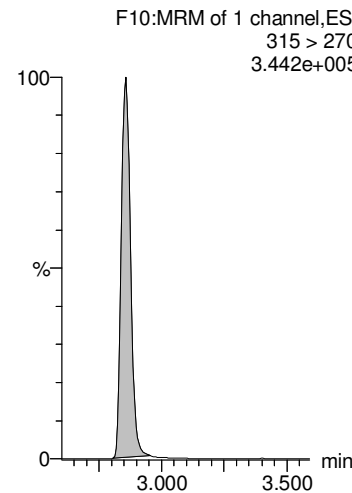
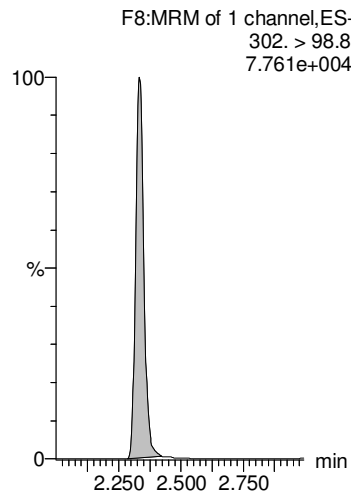
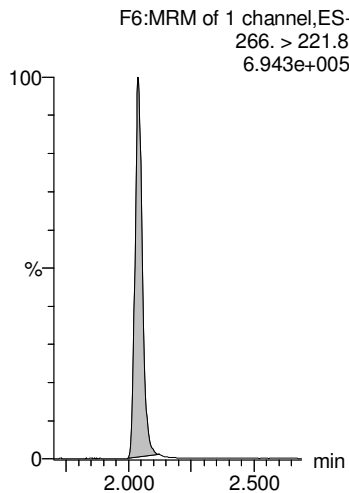
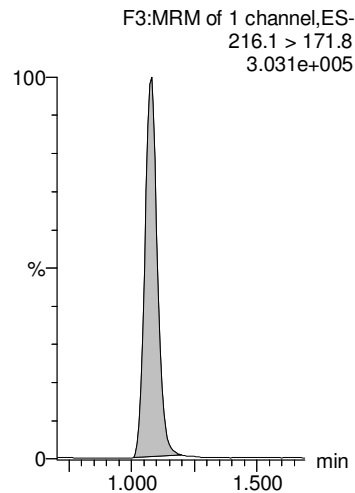
**13C3-PFBA**

**13C3-PFPeA**

**13C3-PFBS**

**13C2-PFHxA**

**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

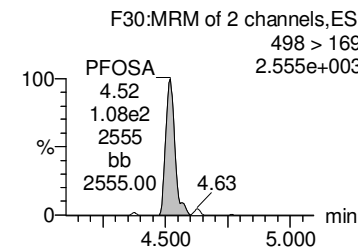
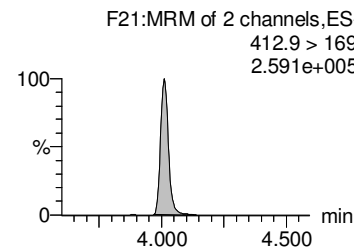
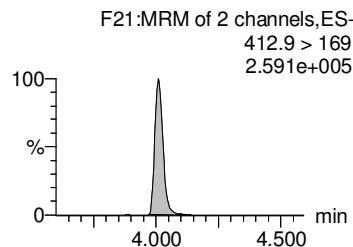
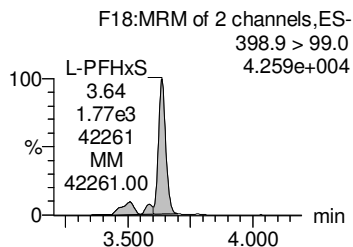
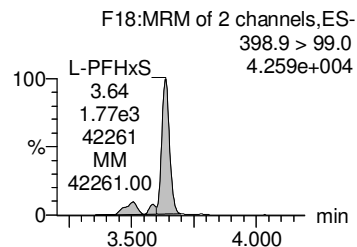
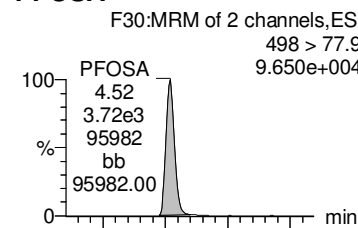
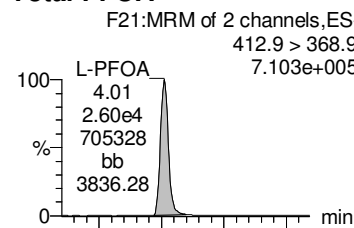
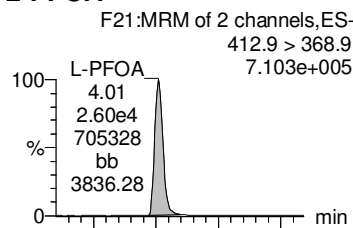
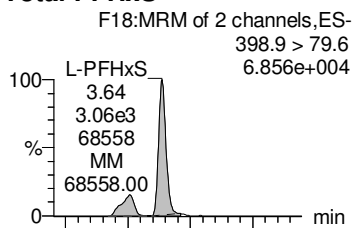
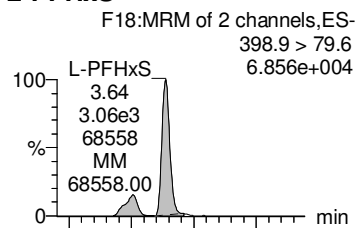
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



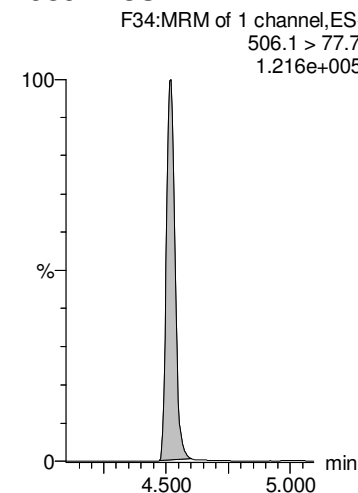
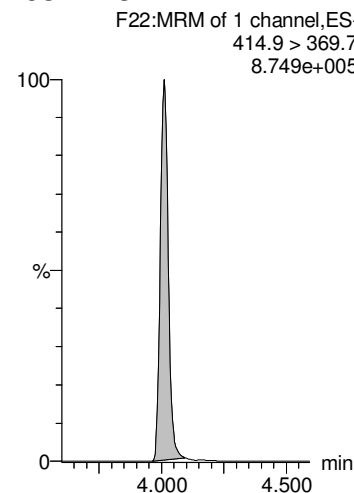
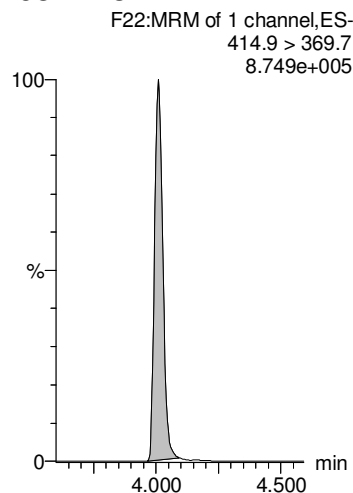
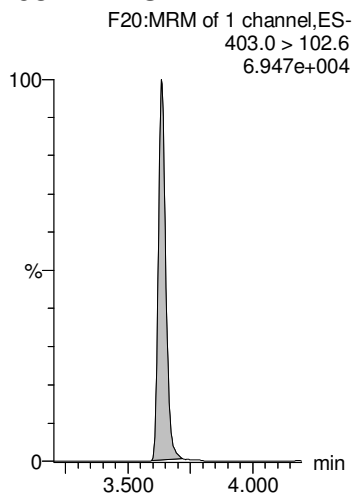
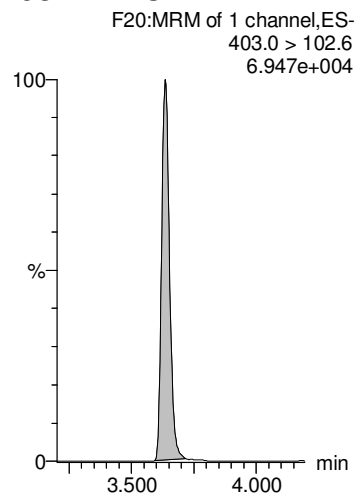
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





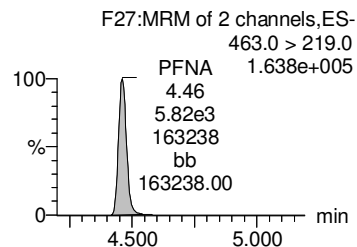
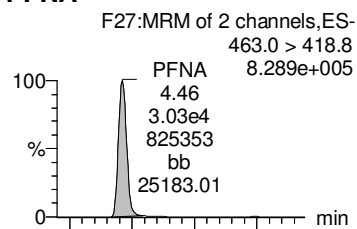
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

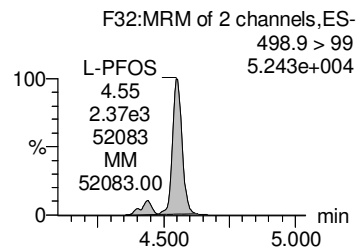
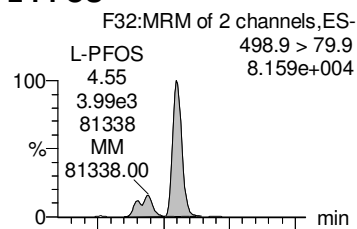
Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

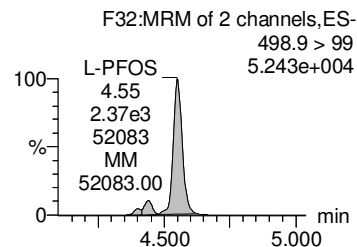
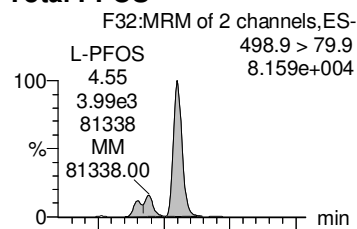
**PFNA**



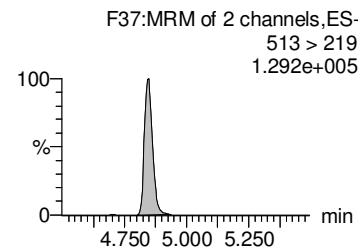
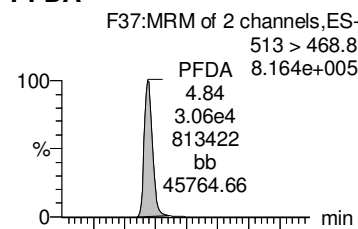
**L-PFOS**



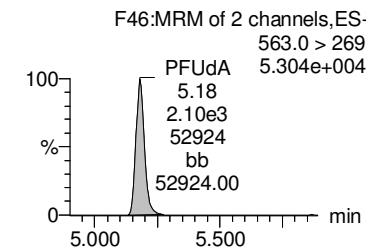
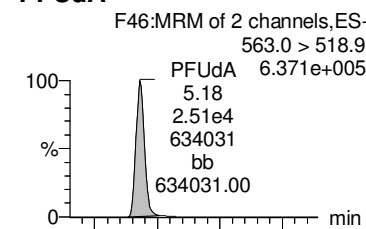
**Total PFOS**



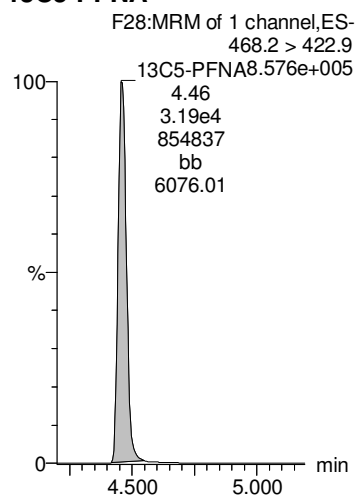
**PFDA**



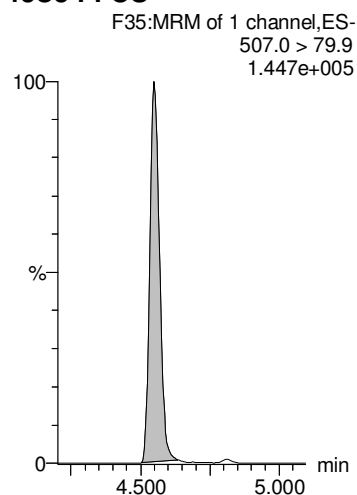
**PFUdA**



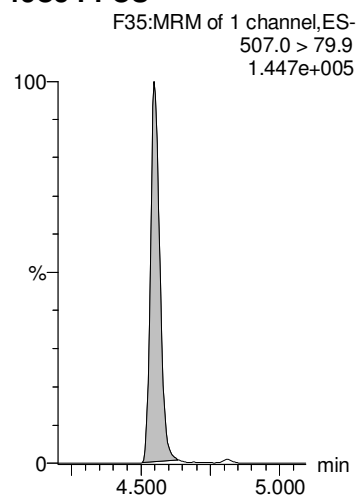
**13C5-PFNA**



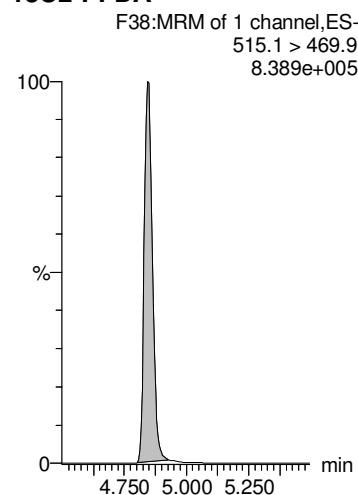
**13C8-PFOS**



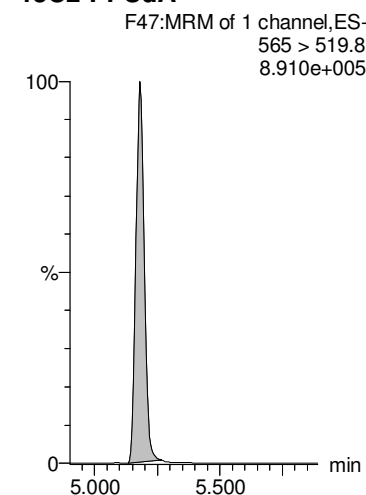
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

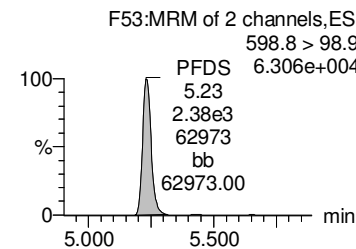
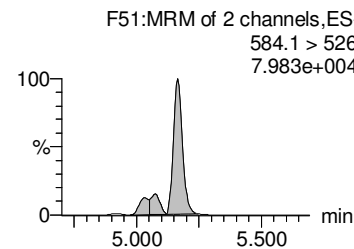
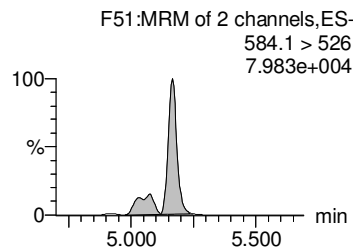
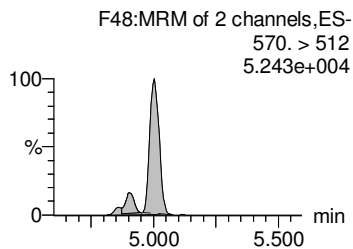
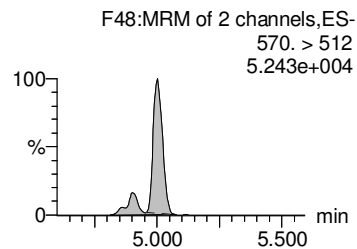
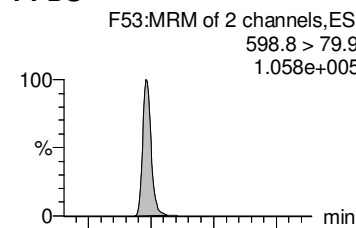
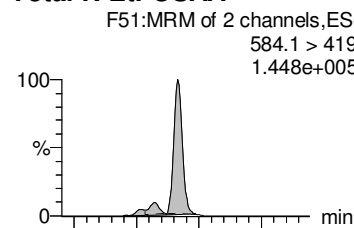
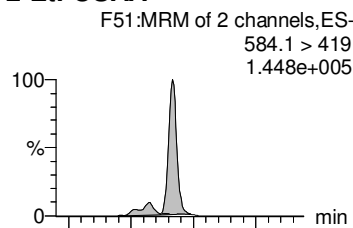
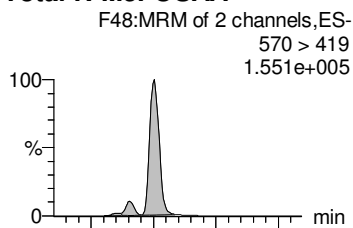
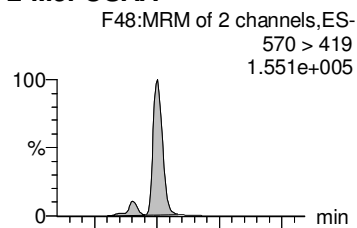
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



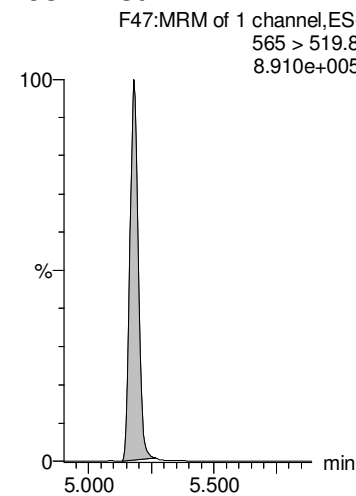
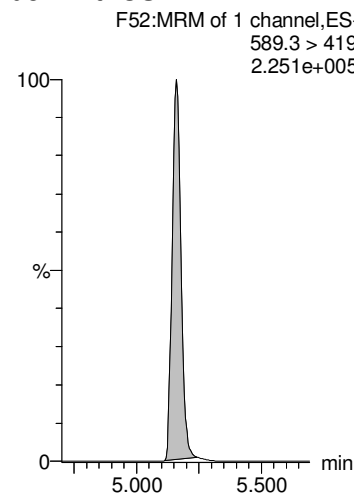
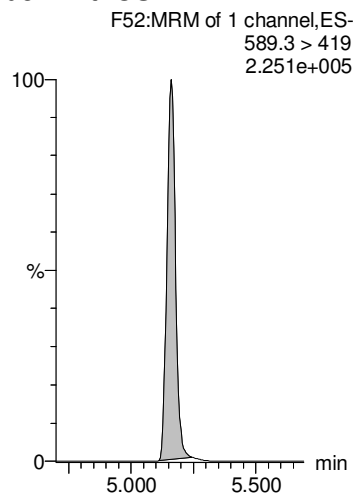
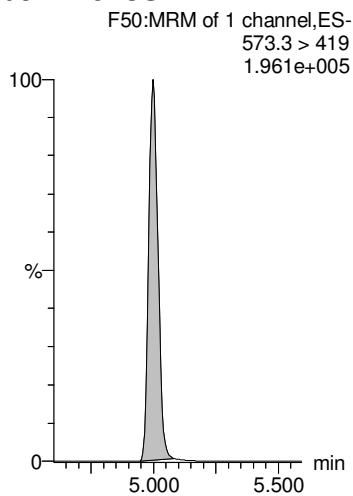
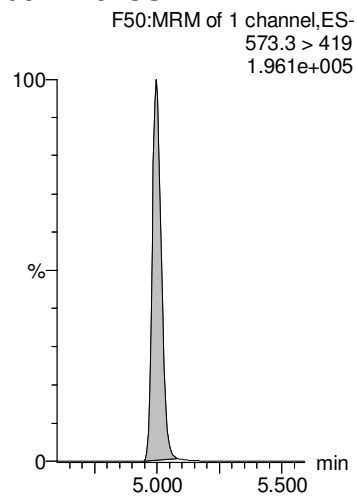
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

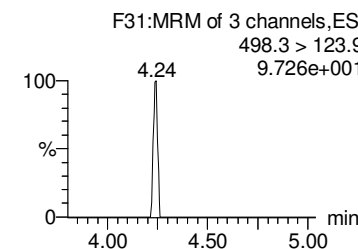
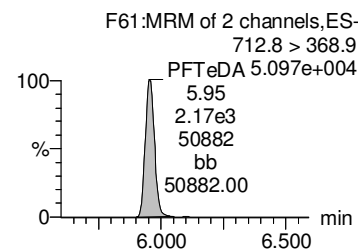
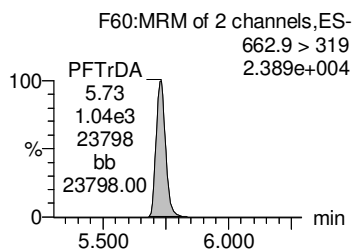
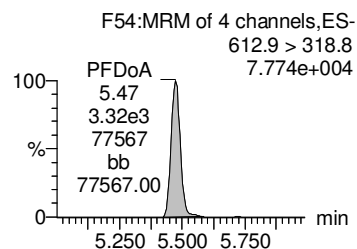
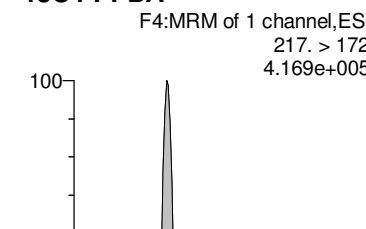
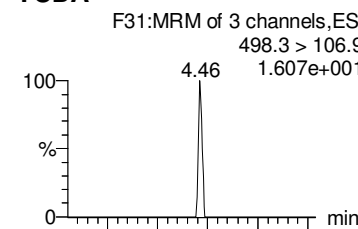
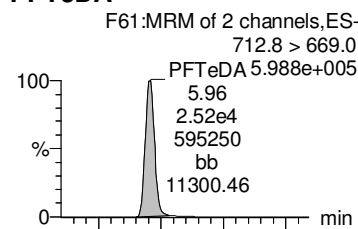
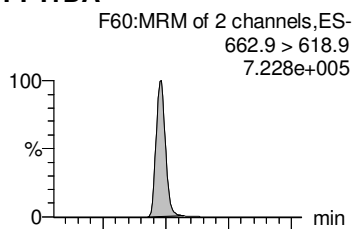
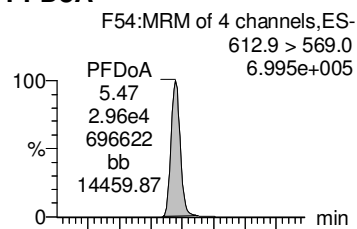
**PFDoA**

**PFTTrDA**

**PFTeDA**

**TCDA**

**13C4-PFBA**



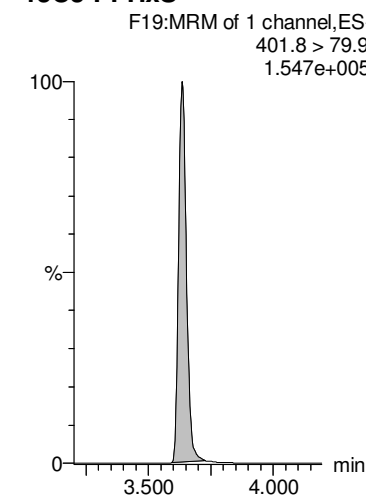
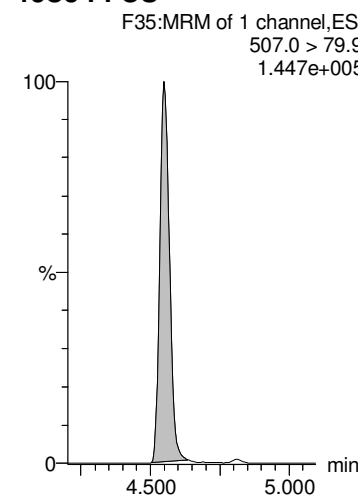
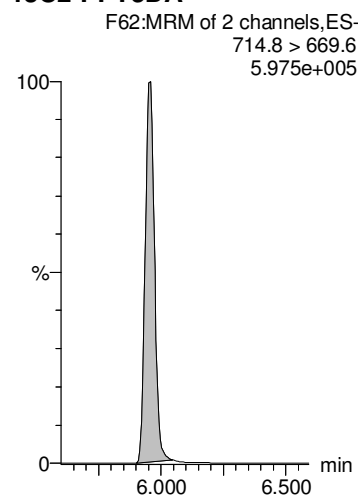
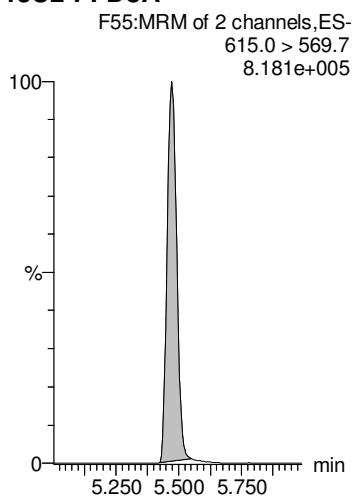
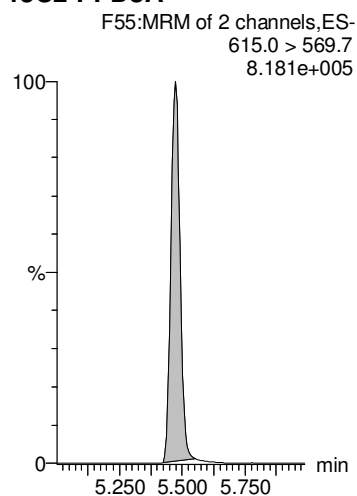
**13C2-PFDoA**

**13C2-PFDoA**

**13C2-PFTeDA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-19.qld

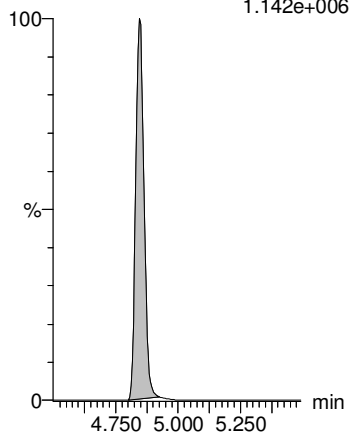
Last Altered: Tuesday, August 21, 2018 11:15:23 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:15:41 Pacific Daylight Time

Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike

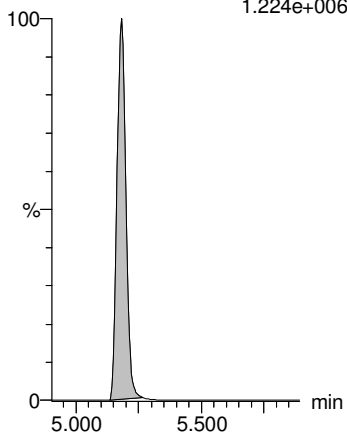
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.142e+006



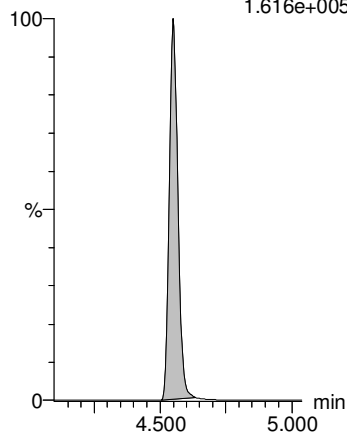
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.224e+006



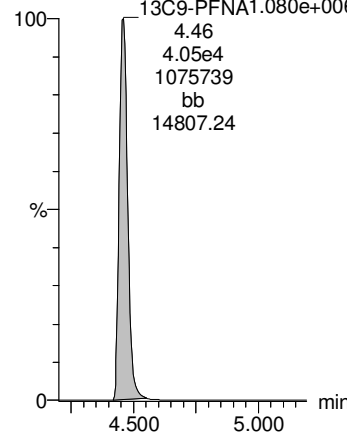
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.616e+005



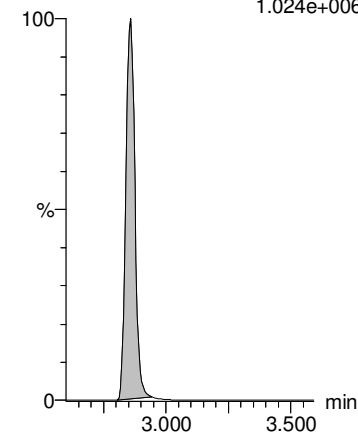
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
13C9-PFNA1.080e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.024e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.45e4	1.82e4	0.246	0.000	1.08	1.08	9.95	35.2129			
2	2 PFPeA	263.1 > 218.9	1.76e4	2.51e4	0.246	0.000	2.04	2.04	8.78	37.6659			
3	3 PFBS	299.0 > 79.7	4.00e3	2.99e3	0.246	0.000	2.34	2.34	16.7	34.0852		2.747	NO
4	5 PFHxA	313 > 269	2.67e4	1.55e4	0.246	0.000	2.86	2.86	8.63	36.5102		14.515	NO
5	7 PFHpA	363.0 > 318.9	1.88e4	2.27e4	0.246	0.000	3.48	3.48	10.4	37.7185		21.640	NO
6	36 13C3-PFBA	216.1 > 171.8	1.82e4	2.29e4	0.246	0.797	1.16	1.08	9.96	49.2741	96.9		
7	37 13C3-PFPeA	266. > 221.8	2.51e4	4.26e4	0.246	0.588	2.14	2.04	7.35	61.5575	121.1		
8	38 13C3-PFBS	302. > 98.8	2.99e3	4.26e4	0.246	0.0701	2.44	2.34	0.876	70.8172	139.3		
9	40 13C2-PFHxA	315 > 270	1.55e4	4.26e4	0.246	0.908	2.95	2.86	4.54	18.9544	93.2		
10	41 13C4-PFHpA	367.2 > 321.8	2.27e4	4.26e4	0.246	0.531	3.56	3.48	6.64	44.1481	86.8		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	2.87e3	2.23e3	0.246	0.000	3.51	3.64	16.1	37.7612		1.717	NO
13	68 Total PFHxS	398.9 > 79.6	2.87e3	2.23e3	0.246		3.65		16.1	37.7612			
14	11 L-PFOA	412.9 > 368.9	2.45e4	3.46e4	0.246	0.000	4.00	4.01	8.86	35.5998		2.702	NO
15	69 Total PFOA	412.9 > 368.9	2.45e4	3.46e4	0.246		4.48		8.86	35.5998			
16	15 PFOSA	498 > 77.9	3.57e3	4.70e3	0.246	0.000	4.60	4.52	9.49	37.3136		31.724	NO
17	42 18O2-PFHxS	403.0 > 102.6	2.23e3	5.27e3	0.246	0.424	3.72	3.64	5.30	44.5648	87.7		
18	42 18O2-PFHxS	403.0 > 102.6	2.23e3	5.27e3	0.246	0.424	3.72	3.64	5.30	44.5648	87.7		
19	44 13C2-PFOA	414.9 > 369.7	3.46e4	4.57e4	0.246	0.757	4.09	4.01	9.47	46.9179	92.3		
20	44 13C2-PFOA	414.9 > 369.7	3.46e4	4.57e4	0.246	0.757	4.09	4.01	9.47	46.9179	92.3		
21	46 13C8-PFOSA	506.1 > 77.7	4.70e3	4.60e4	0.246	0.102	4.60	4.52	1.28	29.5760	58.2		
22	-1												
23	14 PFNA	463.0 > 418.8	2.87e4	3.58e4	0.246	0.000	4.54	4.46	10.0	34.6168		5.196	NO
24	16 L-PFOS	498.9 > 79.9	4.03e3	6.04e3	0.246	0.000	4.63	4.55	8.36	36.9259		1.818	NO
25	70 Total PFOS	498.9 > 79.9	4.03e3	6.04e3	0.246		4.60		8.36	36.9259			
26	18 PFDA	513 > 468.8	2.85e4	3.00e4	0.246	0.000	4.92	4.85	11.9	38.7906		6.222	NO
27	25 PFUdA	563.0 > 518.9	2.38e4	3.50e4	0.246	0.000	5.25	5.18	8.48	35.8443		11.561	NO
28	45 13C5-PFNA	468.2 > 422.9	3.58e4	4.23e4	0.246	0.846	4.54	4.46	10.6	44.2261	87.0		
29	47 13C8-PFOS	507.0 > 79.9	6.04e3	5.78e3	0.246	1.05	4.63	4.55	13.1	50.5064	99.3		
30	47 13C8-PFOS	507.0 > 79.9	6.04e3	5.78e3	0.246	1.05	4.63	4.55	13.1	50.5064	99.3		
31	48 13C2-PFDA	515.1 > 469.9	3.00e4	4.09e4	0.246	0.734	4.92	4.85	9.17	38.9662	76.6		
32	51 13C2-PFUdA	565 > 519.8	3.50e4	4.60e4	0.246	0.760	5.25	5.18	9.50	39.3278	77.4		
33	-1												
34	21 L-MeFOSAA	570 > 419	7.28e3	8.07e3	0.246	0.000	4.98	5.00	11.3	37.9544		2.679	NO
35	71 Total N-MeFOSAA	570. > 419	7.28e3	8.07e3	0.246		5.07		11.3	37.9544			
36	23 L-EtFOSAA	584.1 > 419	6.37e3	9.11e3	0.246	0.000	5.24	5.17	8.74	38.0413		1.507	NO

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	6.37e3	9.11e3	0.246		5.23		8.74	38.0413			
38	26 PFDS	598.8 > 79.9	3.71e3	6.04e3	0.246	0.000	5.30	5.23	7.67	33.9471		1.697	NO
39	50 d3-N-MeFOSAA	573.3 > 419	8.07e3	4.60e4	0.246	0.175	5.08	5.00	2.19	36.9051	72.6		
40	50 d3-N-MeFOSAA	573.3 > 419	8.07e3	4.60e4	0.246	0.175	5.08	5.00	2.19	36.9051	72.6		
41	52 d5-N-EtFOSAA	589.3 > 419	9.11e3	4.60e4	0.246	0.198	5.23	5.17	2.47	38.3869	75.5		
42	52 d5-N-EtFOSAA	589.3 > 419	9.11e3	4.60e4	0.246	0.198	5.23	5.17	2.47	38.3869	75.5		
43	51 13C2-PFUdA	565 > 519.8	3.50e4	4.60e4	0.246	0.760	5.25	5.18	9.50	39.3278	77.4		
44	-1												
45	27 PFDoA	612.9 > 569.0	2.76e4	3.62e4	0.246	0.000	5.54	5.47	9.52	34.9313		8.931	NO
46	29 PFTTrDA	662.9 > 618.9	2.99e4	3.62e4	0.246	0.000	5.79	5.73	10.3	36.4385		32.518	NO
47	30 PFTeDA	712.8 > 669.0	2.38e4	2.61e4	0.246	0.000	6.01	5.96	11.4	36.3462		12.027	NO
48	73 TCDA	498.3 > 106.9			0.246		5.11						
49	60 13C4-PFBA	217. > 172	2.29e4	2.29e4	0.246	1.00	1.15	1.08	12.5	50.8419	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.62e4	4.09e4	0.246	0.886	5.54	5.47	11.1	41.5849	81.8		
51	53 13C2-PFDoA	615.0 > 569.7	3.62e4	4.09e4	0.246	0.886	5.54	5.47	11.1	41.5849	81.8		
52	55 13C2-PFTeDA	714.8 > 669.6	2.61e4	4.60e4	0.246	0.566	6.01	5.96	7.08	37.0619	72.9		
53	47 13C8-PFOS	507.0 > 79.9	6.04e3	5.78e3	0.246	1.05	4.63	4.55	13.1	50.5064	99.3		
54	62 13C3-PFHxS	401.8 > 79.9	5.27e3	5.27e3	0.246	1.00	3.72	3.64	12.5	50.8419	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.09e4	4.09e4	0.246	1.00	4.92	4.85	12.5	50.8419	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	4.60e4	4.60e4	0.246	1.00	5.25	5.18	12.5	50.8419	100.0		
58	65 13C4-PFOS	503 > 79.9	5.78e3	5.78e3	0.246	1.00	4.63	4.55	12.5	50.8419	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.23e4	4.23e4	0.246	1.00	4.54	4.46	12.5	50.8419	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.26e4	4.26e4	0.246	1.00	2.95	2.86	12.5	50.8419	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

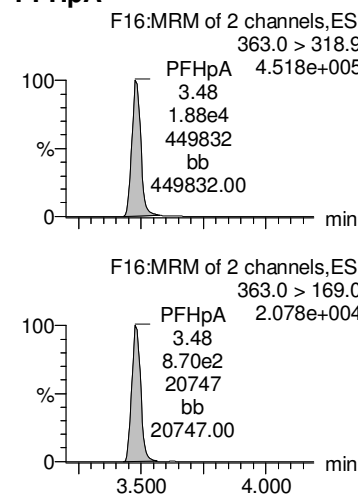
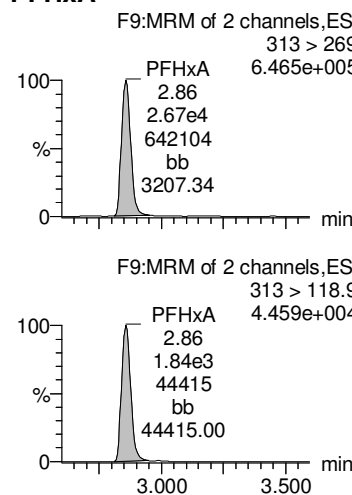
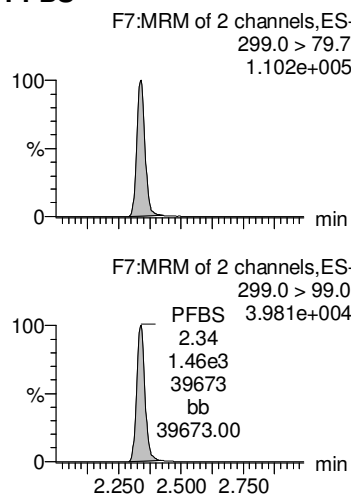
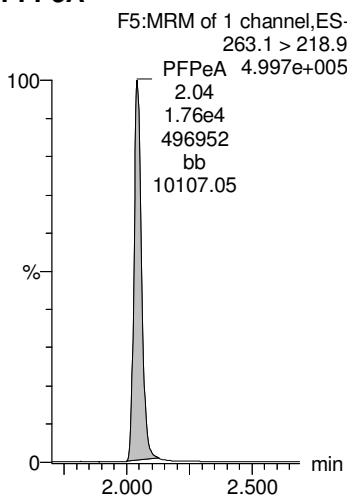
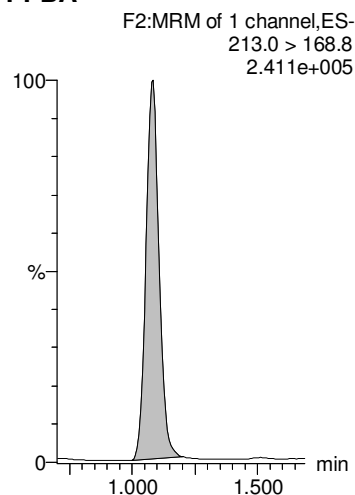
**PFBA**

**PFPeA**

**PFBS**

**PFHxA**

**PFHpA**



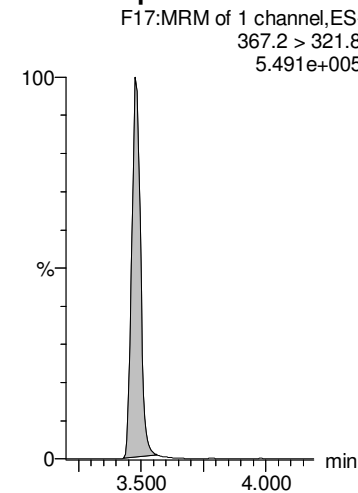
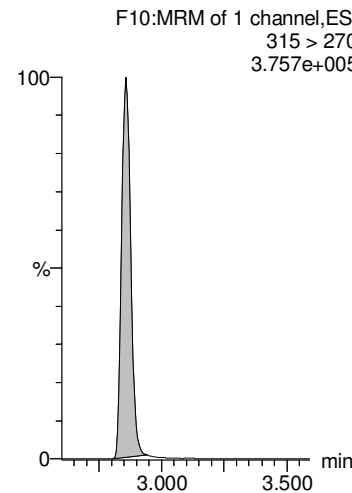
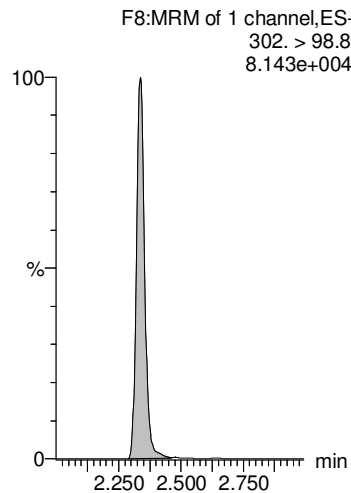
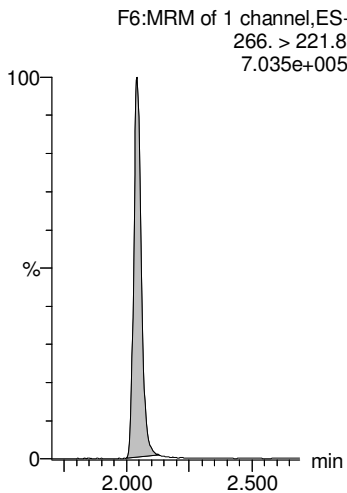
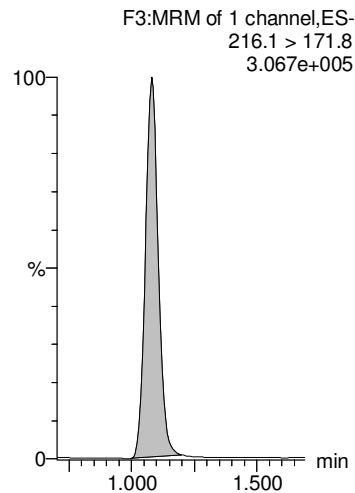
**13C3-PFBA**

**13C3-PFPeA**

**13C3-PFBS**

**13C2-PFHxA**

**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

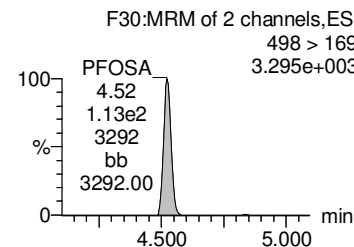
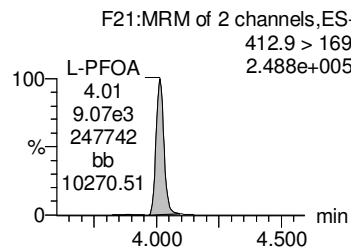
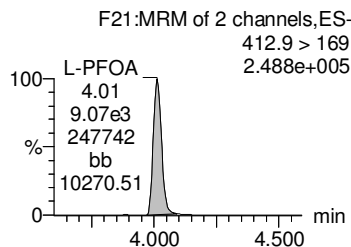
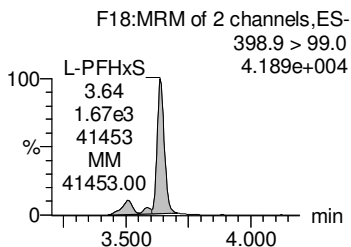
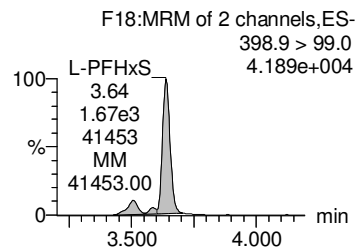
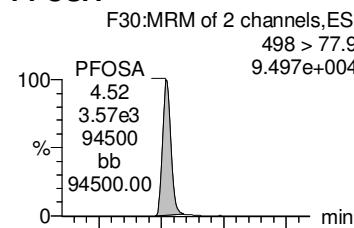
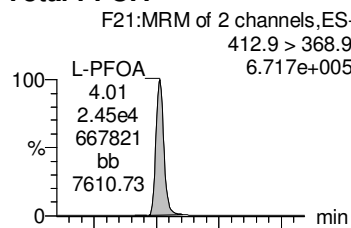
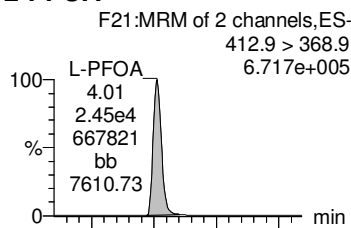
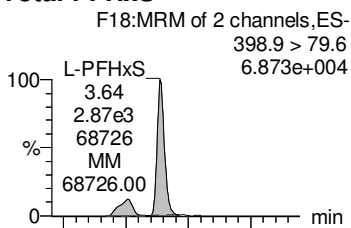
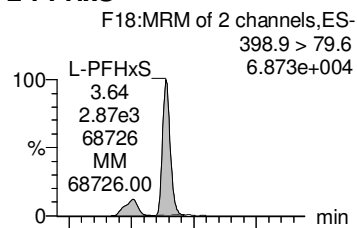
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



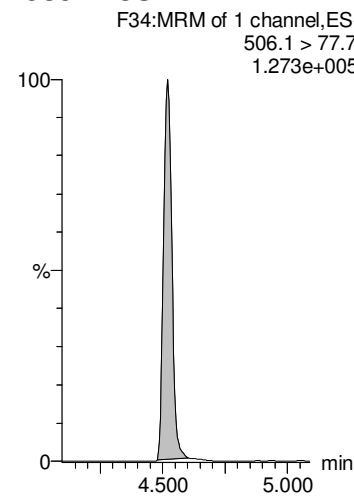
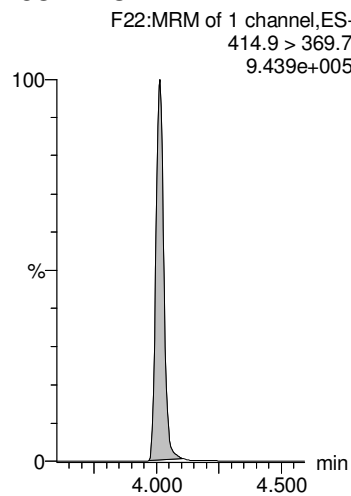
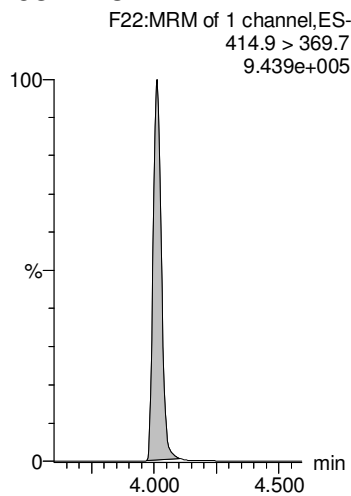
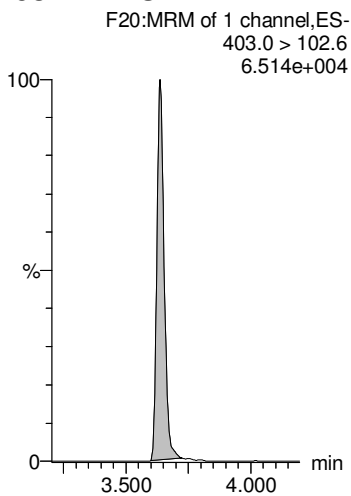
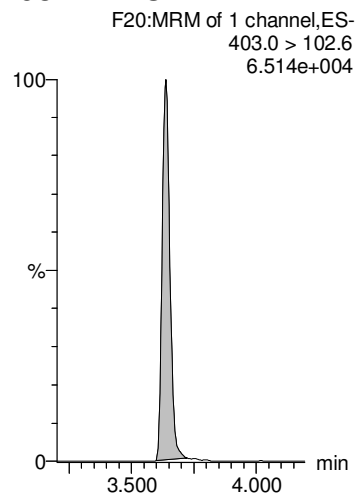
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

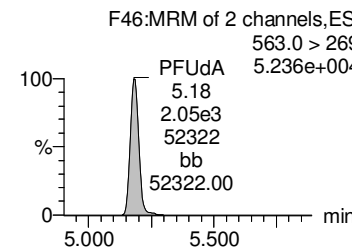
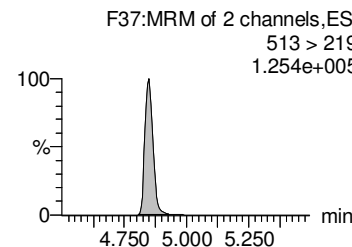
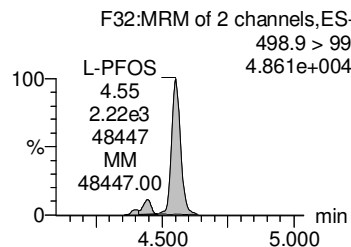
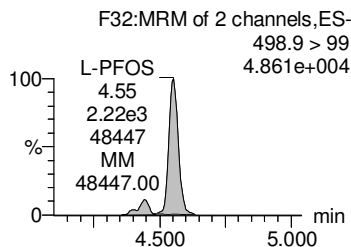
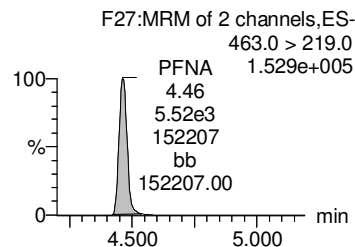
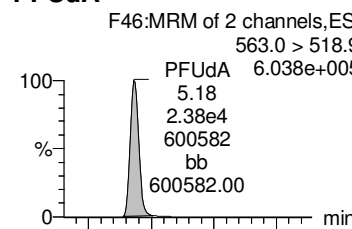
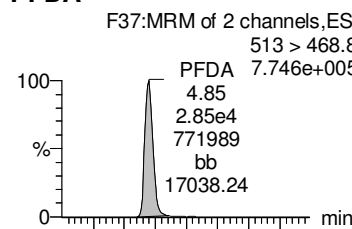
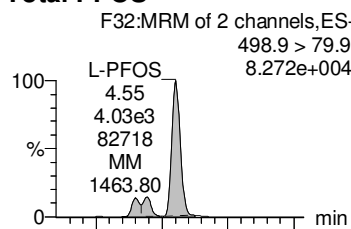
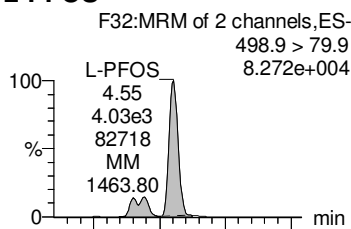
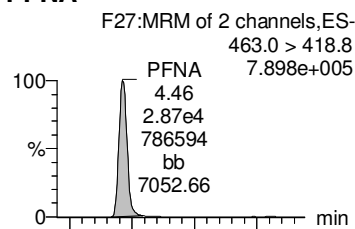
**PFNA**

**L-PFOS**

**Total PFOS**

**PFDA**

**PFUdA**



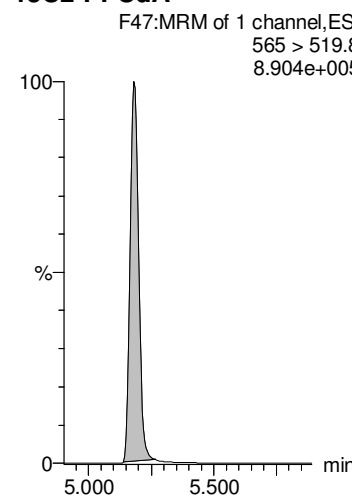
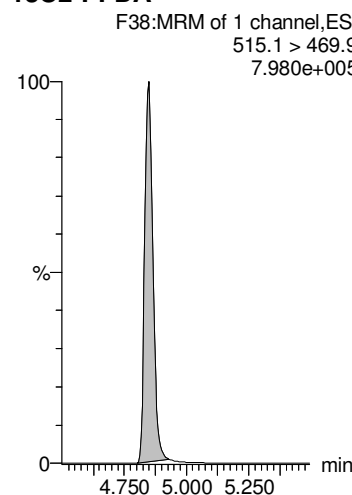
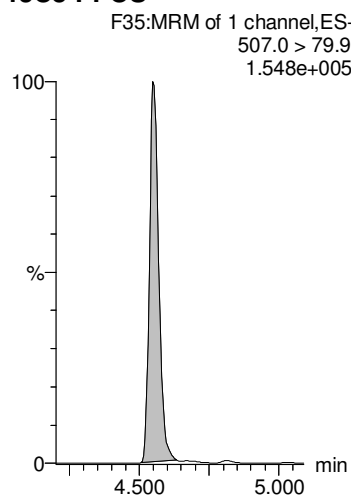
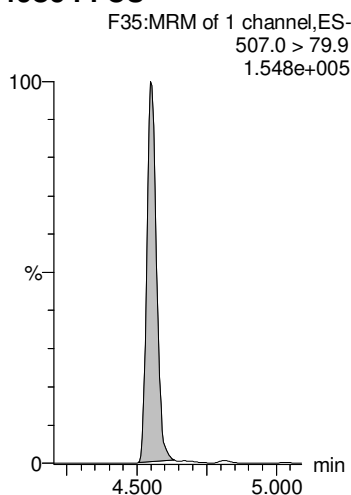
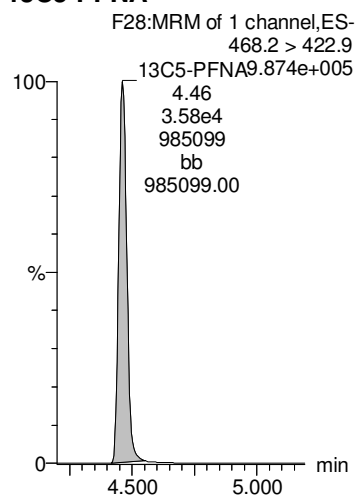
**13C5-PFNA**

**13C8-PFOS**

**13C8-PFOS**

**13C2-PFDA**

**13C2-PFUdA**

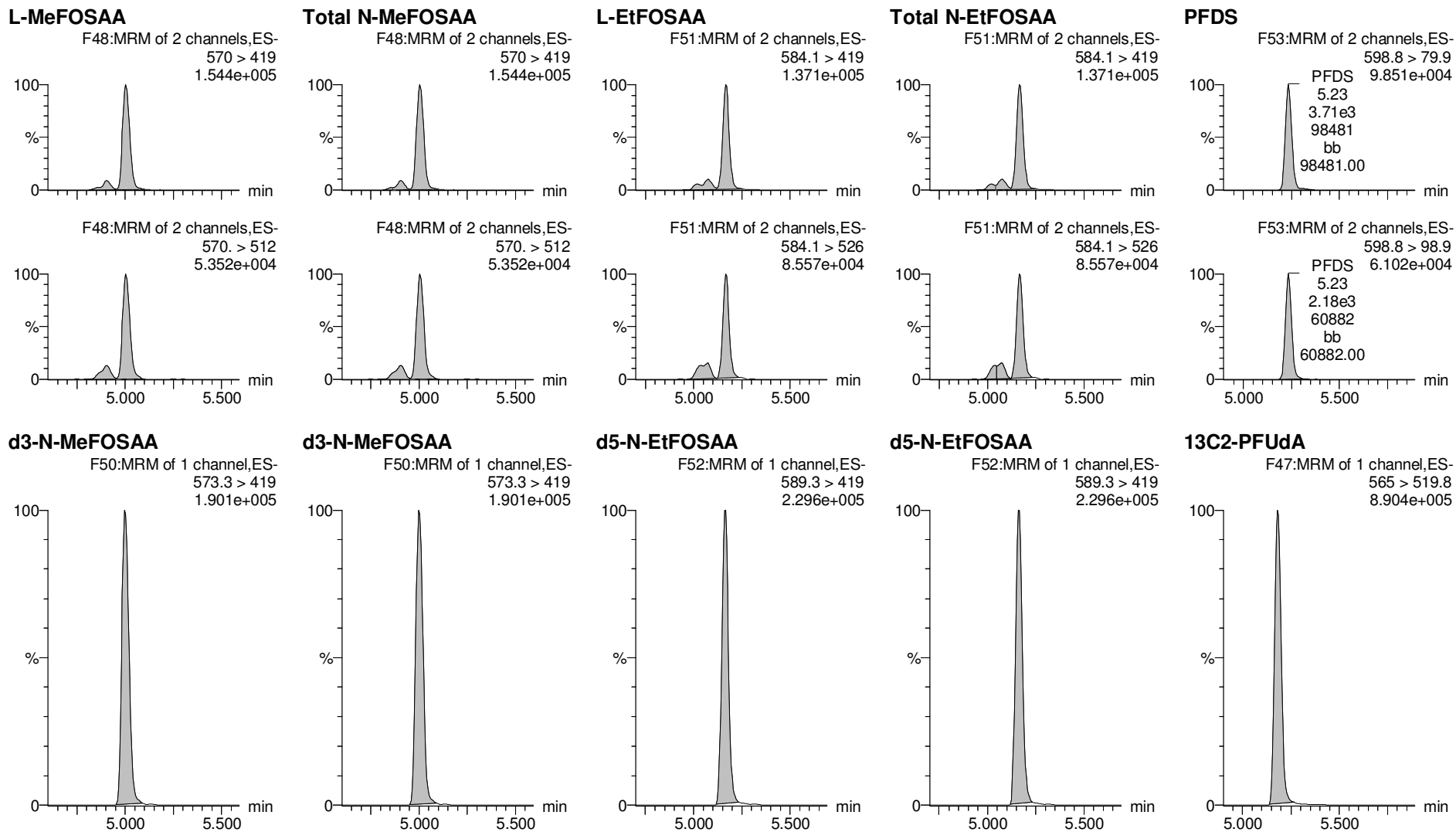


Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

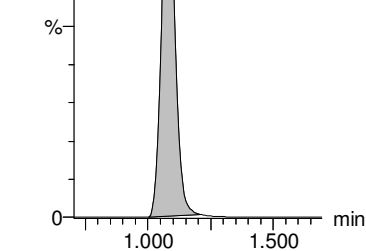
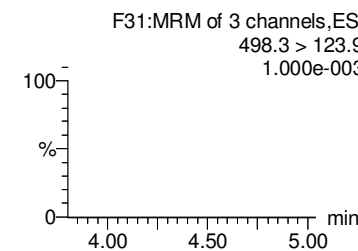
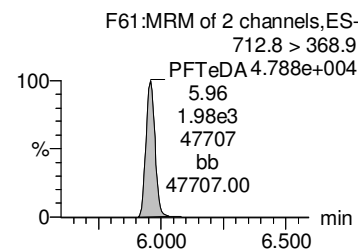
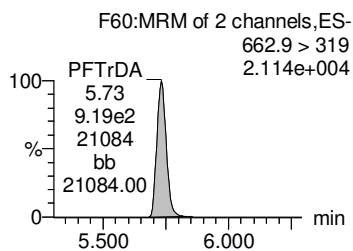
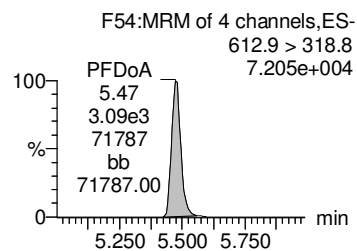
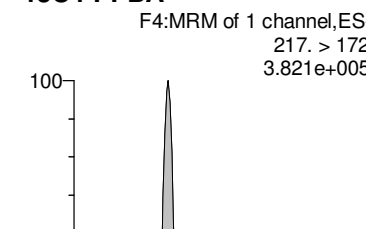
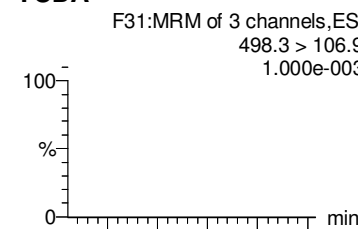
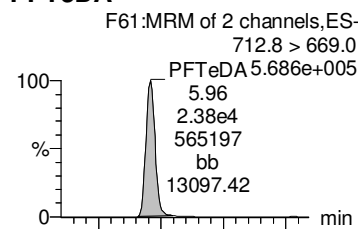
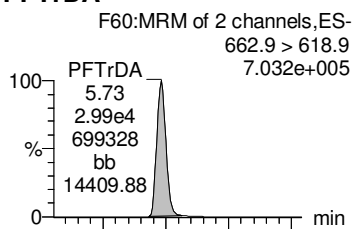
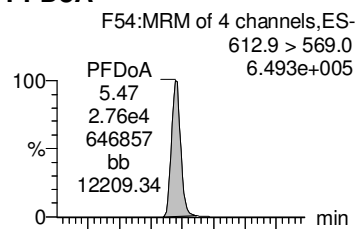
**PFDoA**

**PFTTrDA**

**PFTeDA**

**TCDA**

**13C4-PFBA**



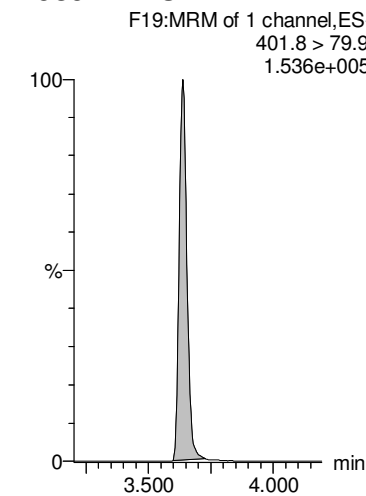
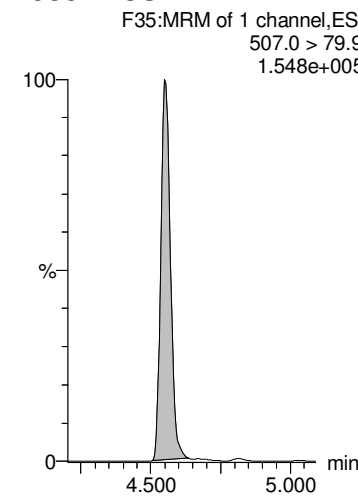
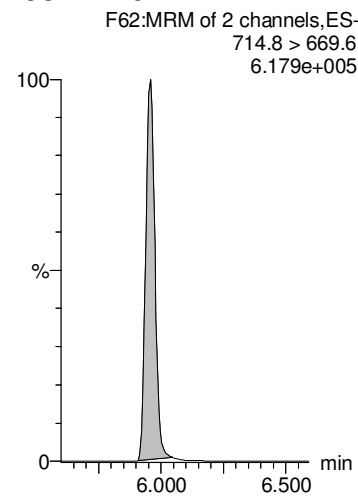
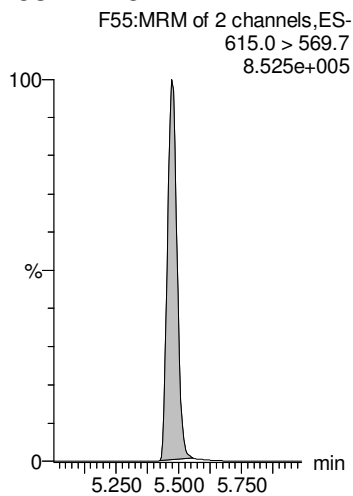
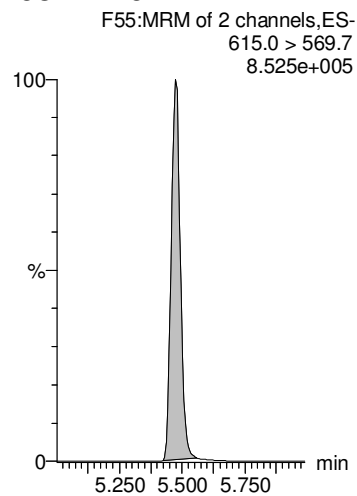
**13C2-PFDoA**

**13C2-PFDoA**

**13C2-PFTeDA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-20.qld

Last Altered: Tuesday, August 21, 2018 11:17:28 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:17:51 Pacific Daylight Time

Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup

13C6-PFDA

13C7-PFUdA

13C4-PFOS

13C9-PFNA

13C5-PFHxA

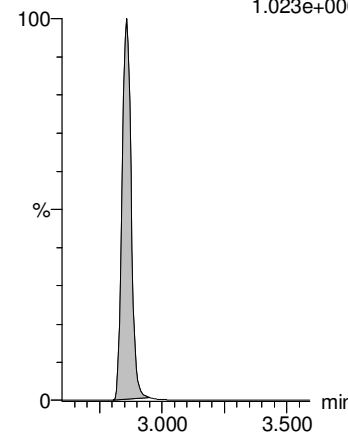
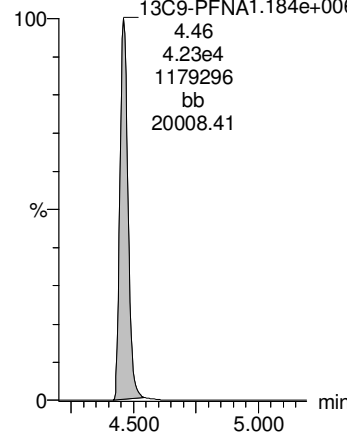
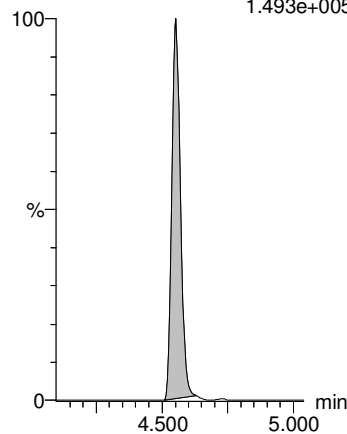
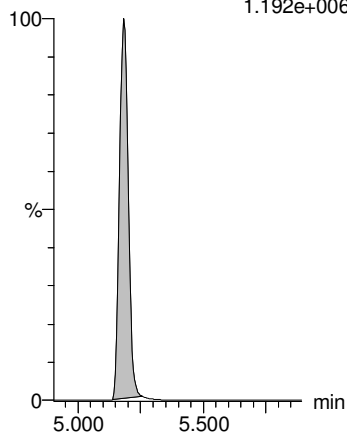
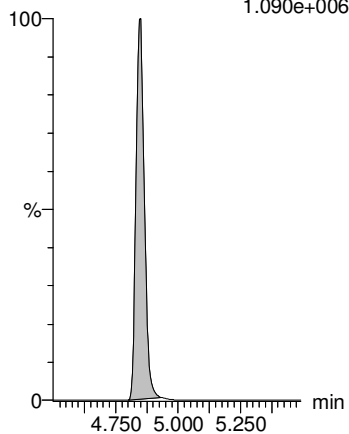
F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.090e+006

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.192e+006

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.493e+005

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
13C9-PFNA1.184e+006

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.023e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.61e2	1.99e4	0.244	0.000	1.08	1.08	0.101	0.4680			
2	2 PFPeA	263.1 > 218.9	8.98e1	2.87e4	0.244	0.000	2.04	2.04	0.0391	0.2690			
3	3 PFBS	299.0 > 79.7		3.41e3	0.244		2.33						
4	5 PFHxA	313 > 269		1.76e4	0.244		2.86						
5	7 PFHpA	363.0 > 318.9		2.69e4	0.244		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.99e4	2.56e4	0.244	0.777	1.16	1.08	9.71	48.4780	94.5		
7	37 13C3-PFPeA	266. > 221.8	2.87e4	4.85e4	0.244	0.592	2.14	2.04	7.40	62.5372	121.9		
8	38 13C3-PFBS	302. > 98.8	3.41e3	4.85e4	0.244	0.0703	2.44	2.33	0.879	71.7227	139.8		
9	40 13C2-PFHxA	315 > 270	1.76e4	4.85e4	0.244	0.909	2.95	2.86	4.54	19.1463	93.3		
10	41 13C4-PFHpA	367.2 > 321.8	2.69e4	4.85e4	0.244	0.554	3.56	3.48	6.92	46.4440	90.5		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	3.68e1	2.92e3	0.244	0.000	3.51	3.64	0.157	0.4304		5.273	YES
13	68 Total PFHxS	398.9 > 79.6	3.68e1	2.92e3	0.244		3.65		0.157	0.4304			
14	11 L-PFOA	412.9 > 368.9	4.70e2	3.96e4	0.244	0.000	4.00	4.01	0.148	0.4666		2.375	NO
15	69 Total PFOA	412.9 > 368.9	4.70e2	3.96e4	0.244		4.48		0.148	0.4666			
16	15 PFOSA	498 > 77.9		3.88e3	0.244		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.92e3	6.33e3	0.244	0.462	3.72	3.64	5.77	49.0063	95.5		
18	42 18O2-PFHxS	403.0 > 102.6	2.92e3	6.33e3	0.244	0.462	3.72	3.64	5.77	49.0063	95.5		
19	44 13C2-PFOA	414.9 > 369.7	3.96e4	5.39e4	0.244	0.735	4.09	4.01	9.18	45.9405	89.5		
20	44 13C2-PFOA	414.9 > 369.7	3.96e4	5.39e4	0.244	0.735	4.09	4.01	9.18	45.9405	89.5		
21	46 13C8-PFOSA	506.1 > 77.7	3.88e3	5.58e4	0.244	0.0695	4.60	4.52	0.869	20.3113	39.6		H
22	-1												
23	14 PFNA	463.0 > 418.8		3.95e4	0.244		4.54						
24	16 L-PFOS	498.9 > 79.9	6.49e1	7.22e3	0.244	0.000	4.63	4.55	0.112	0.6117		3.155	YES
25	70 Total PFOS	498.9 > 79.9	6.49e1	7.22e3	0.244		4.60		0.112	0.6117			
26	18 PFDA	513 > 468.8	7.11e1	3.58e4	0.244	0.000	4.92	4.85	0.0248	0.1196		3.577	YES
27	25 PFUdA	563.0 > 518.9	1.18e2	3.93e4	0.244	0.000	5.25	5.19	0.0375	0.0655		63.695	YES
28	45 13C5-PFNA	468.2 > 422.9	3.95e4	4.86e4	0.244	0.814	4.54	4.46	10.2	42.9105	83.6		
29	47 13C8-PFOS	507.0 > 79.9	7.22e3	7.57e3	0.244	0.954	4.63	4.55	11.9	46.5131	90.6		
30	47 13C8-PFOS	507.0 > 79.9	7.22e3	7.57e3	0.244	0.954	4.63	4.55	11.9	46.5131	90.6		
31	48 13C2-PFDA	515.1 > 469.9	3.58e4	4.97e4	0.244	0.720	4.92	4.85	8.99	38.5726	75.2		
32	51 13C2-PFUdA	565 > 519.8	3.93e4	5.58e4	0.244	0.704	5.25	5.18	8.80	36.7652	71.6		
33	-1												
34	21 L-MeFOSAA	570 > 419		9.39e3	0.244		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	9.39e3	0.244		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		1.05e4	0.244		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72	Total N-EtFOSAA	584.1 > 419	0.00e0	1.05e4	0.244		5.23	0.000				
38	26	PFDS	598.8 > 79.9		7.22e3	0.244		5.30					
39	50	d3-N-MeFOSAA	573.3 > 419	9.39e3	5.58e4	0.244	0.168	5.08	5.00	2.10	35.7483	69.7	
40	50	d3-N-MeFOSAA	573.3 > 419	9.39e3	5.58e4	0.244	0.168	5.08	5.00	2.10	35.7483	69.7	
41	52	d5-N-EtFOSAA	589.3 > 419	1.05e4	5.58e4	0.244	0.188	5.23	5.16	2.35	36.8322	71.8	
42	52	d5-N-EtFOSAA	589.3 > 419	1.05e4	5.58e4	0.244	0.188	5.23	5.16	2.35	36.8322	71.8	
43	51	13C2-PFUdA	565 > 519.8	3.93e4	5.58e4	0.244	0.704	5.25	5.18	8.80	36.7652	71.6	
44	-1												
45	27	PFDoA	612.9 > 569.0		4.12e4	0.244		5.54					
46	29	PFTTrDA	662.9 > 618.9		4.12e4	0.244		5.79					
47	30	PFTeDA	712.8 > 669.0	6.76e1	3.51e4	0.244	0.000	6.01	5.96	0.0241	0.1252	14.224	NO
48	73	TCDA	498.3 > 106.9			0.244		5.11					
49	60	13C4-PFBA	217. > 172	2.56e4	2.56e4	0.244	1.00	1.15	1.07	12.5	51.3178	100.0	
50	53	13C2-PFDoA	615.0 > 569.7	4.12e4	4.97e4	0.244	0.829	5.54	5.47	10.4	39.2801	76.5	
51	53	13C2-PFDoA	615.0 > 569.7	4.12e4	4.97e4	0.244	0.829	5.54	5.47	10.4	39.2801	76.5	
52	55	13C2-PFTeDA	714.8 > 669.6	3.51e4	5.58e4	0.244	0.628	6.01	5.96	7.85	41.4741	80.8	
53	47	13C8-PFOS	507.0 > 79.9	7.22e3	7.57e3	0.244	0.954	4.63	4.55	11.9	46.5131	90.6	
54	62	13C3-PFHxS	401.8 > 79.9	6.33e3	6.33e3	0.244	1.00	3.72	3.64	12.5	51.3178	100.0	
55	-1												
56	66	13C6-PFDA	519.1 > 473.7	4.97e4	4.97e4	0.244	1.00	4.92	4.85	12.5	51.3178	100.0	
57	67	13C7-PFUdA	570.1 > 524.8	5.58e4	5.58e4	0.244	1.00	5.25	5.18	12.5	51.3178	100.0	
58	65	13C4-PFOS	503 > 79.9	7.57e3	7.57e3	0.244	1.00	4.63	4.55	12.5	51.3178	100.0	
59	64	13C9-PFNA	472.2 > 426.9	4.86e4	4.86e4	0.244	1.00	4.54	4.46	12.5	51.3178	100.0	
60	61	13C5-PFHxA	318 > 272.9	4.85e4	4.85e4	0.244	1.00	2.95	2.86	12.5	51.3178	100.0	

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

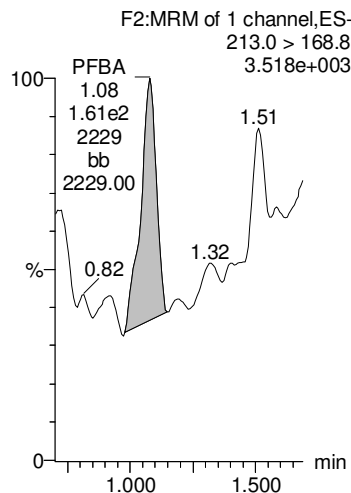
Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

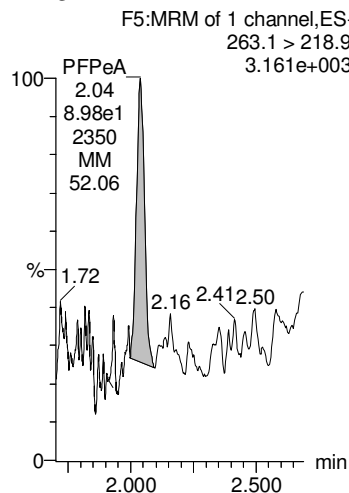
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

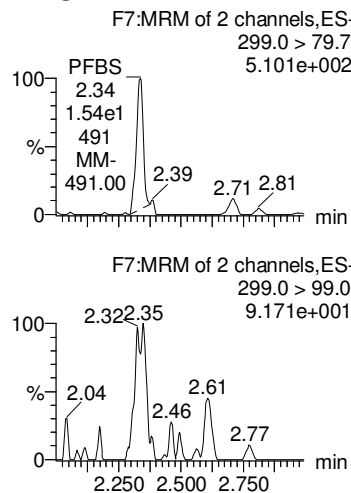
**PFBA**



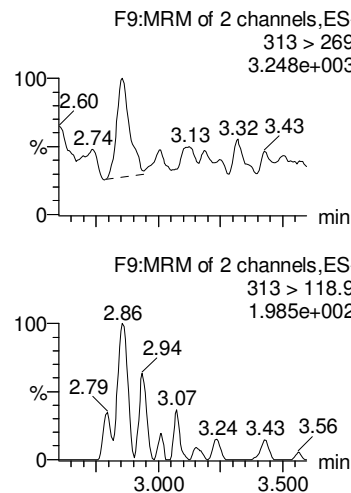
**PFPeA**



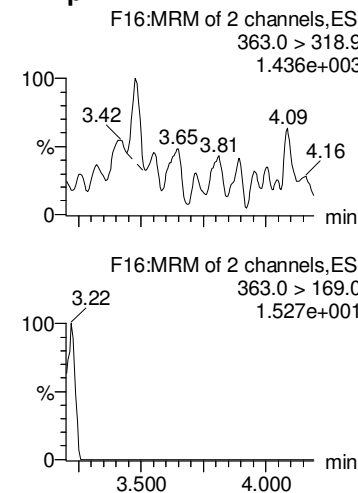
**PFBS**



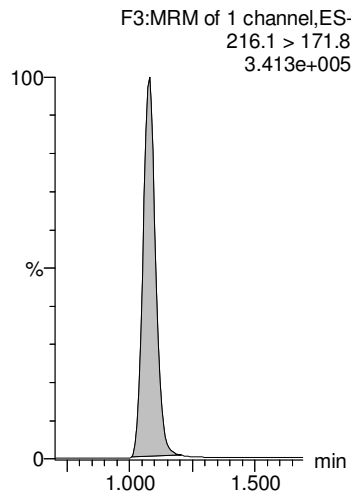
**PFHxA**



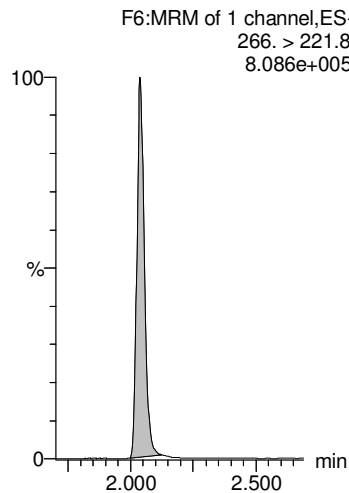
**PFHpA**



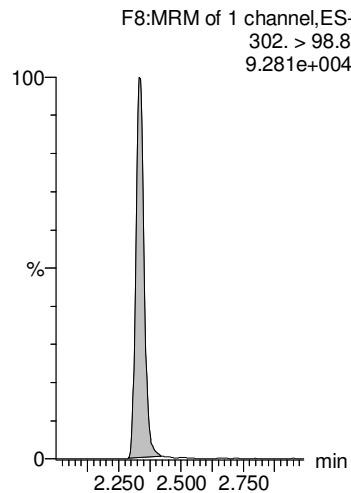
**13C3-PFBA**



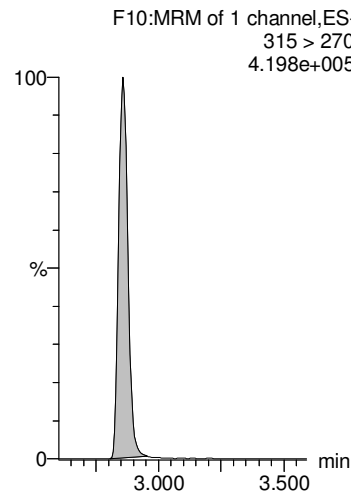
**13C3-PFPeA**



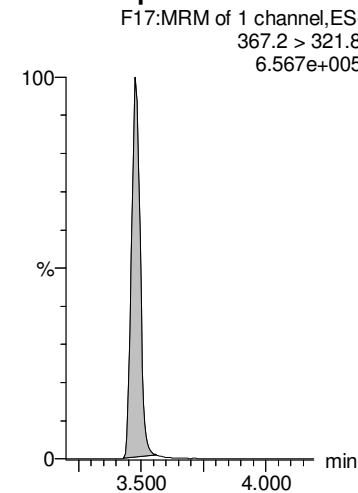
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

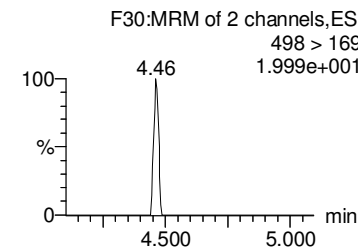
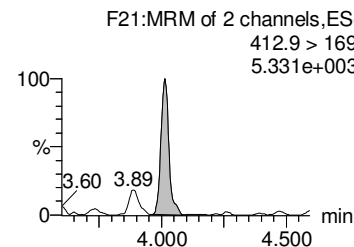
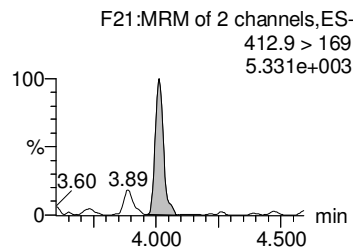
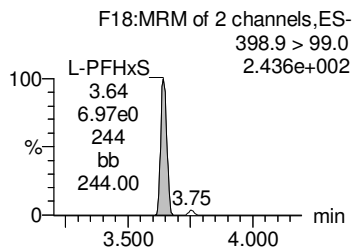
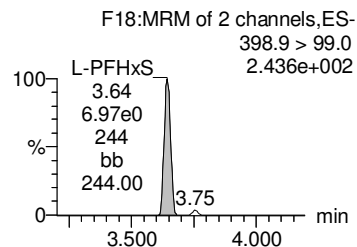
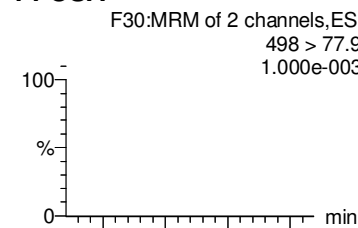
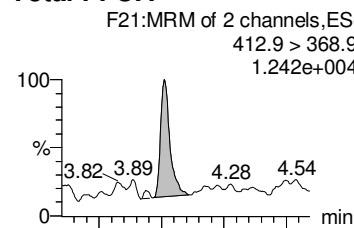
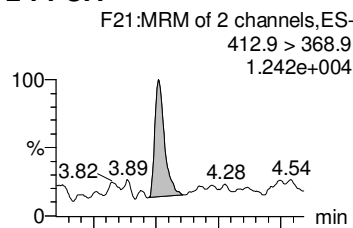
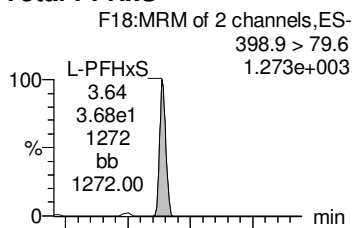
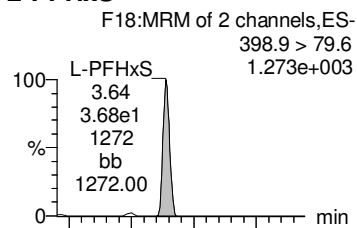
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



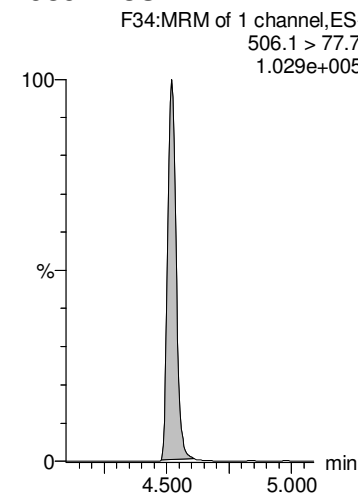
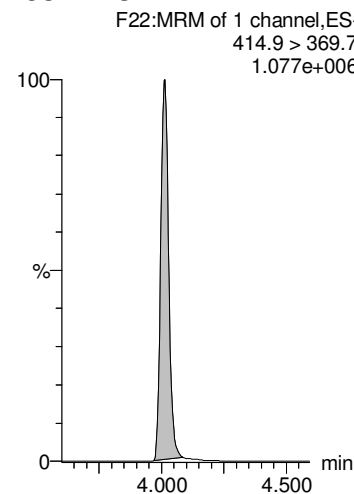
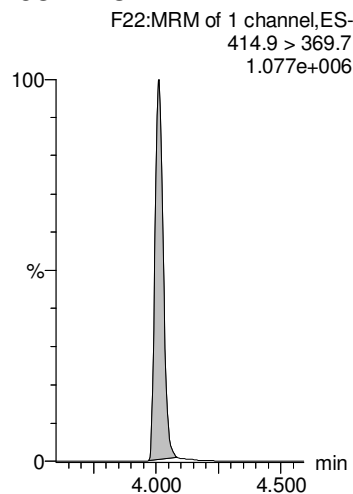
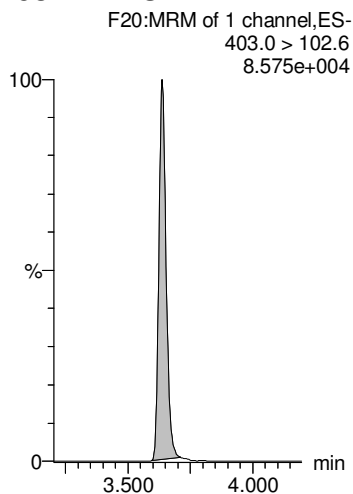
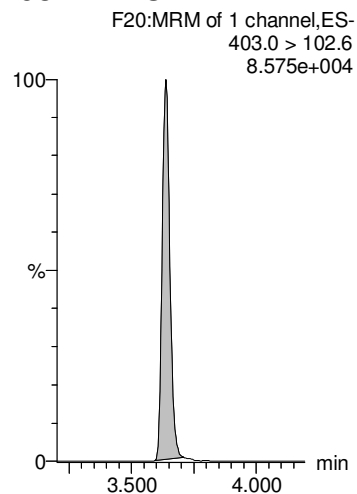
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





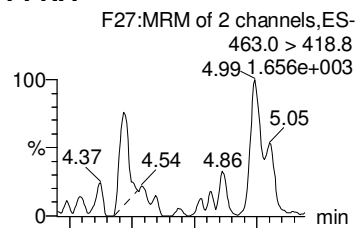
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

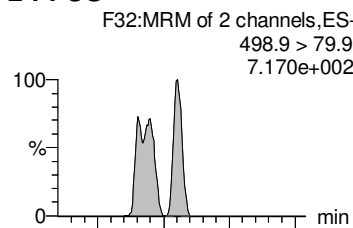
Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

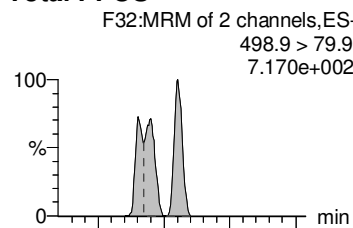
**PFNA**



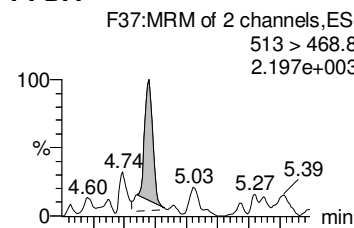
**L-PFOS**



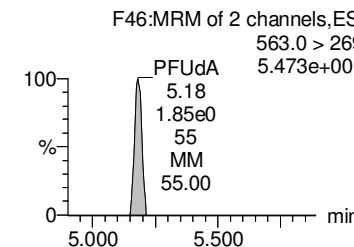
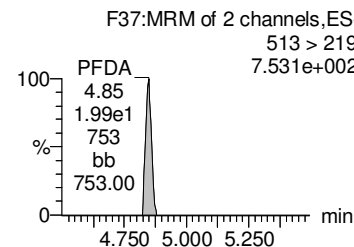
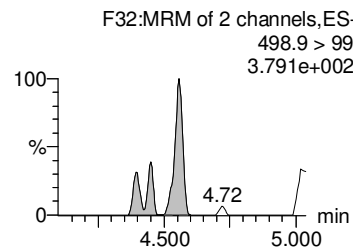
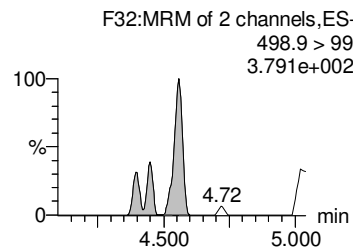
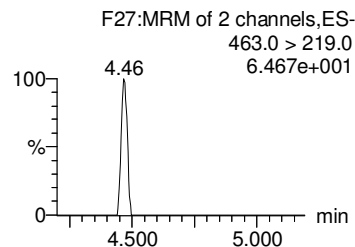
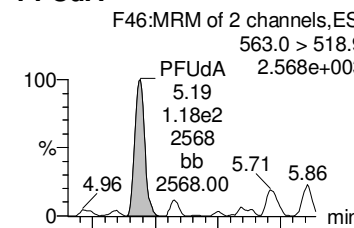
**Total PFOS**



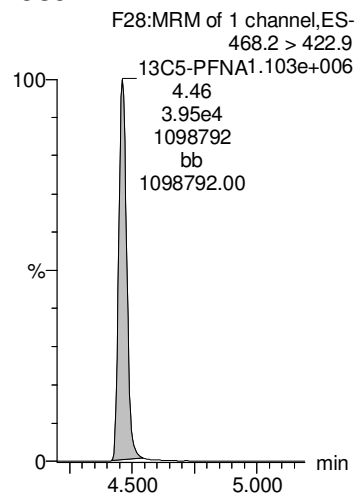
**PFDA**



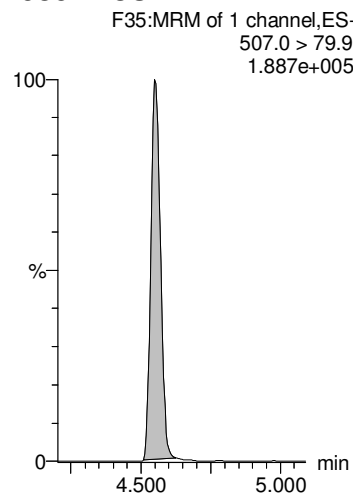
**PFUdA**



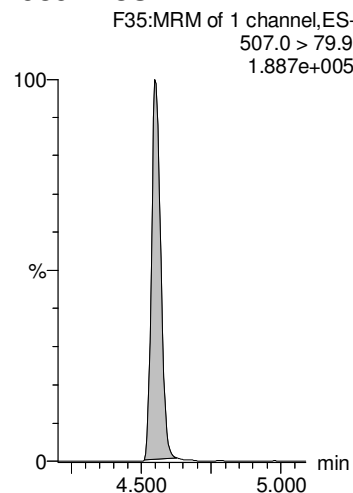
**13C5-PFNA**



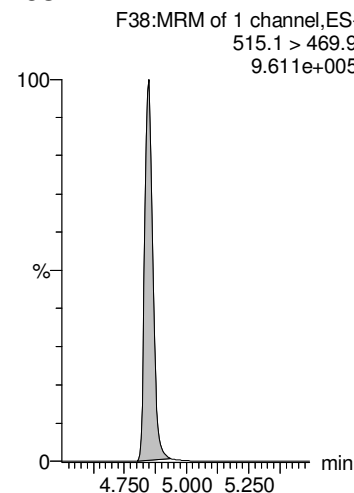
**13C8-PFOS**



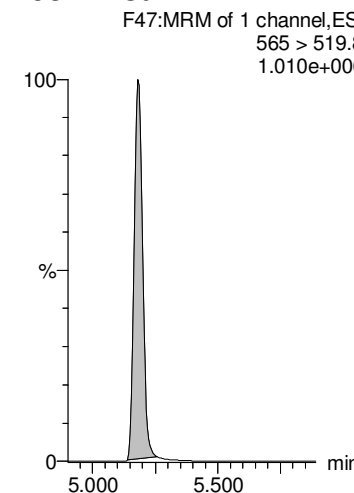
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

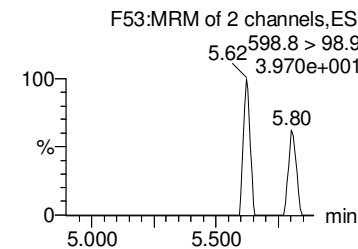
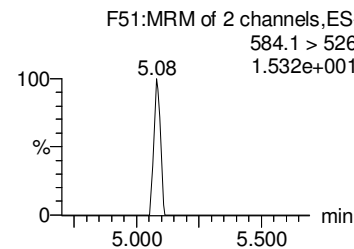
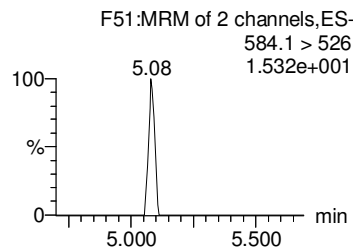
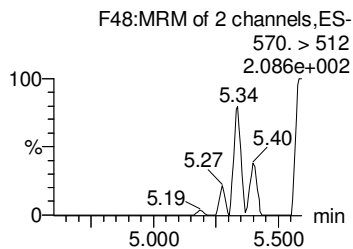
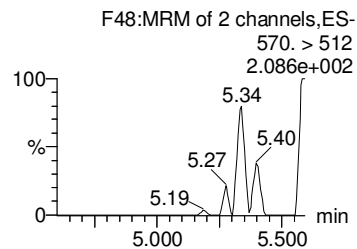
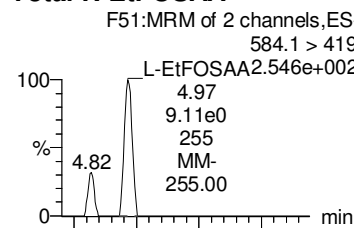
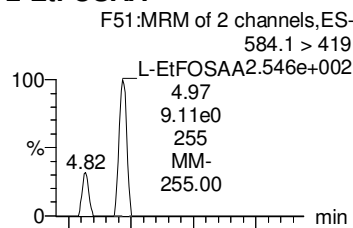
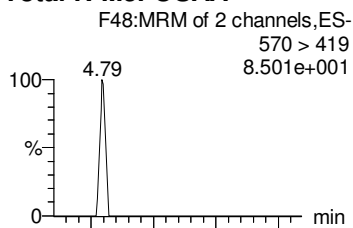
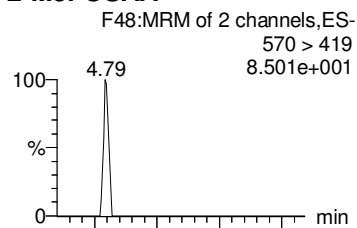
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



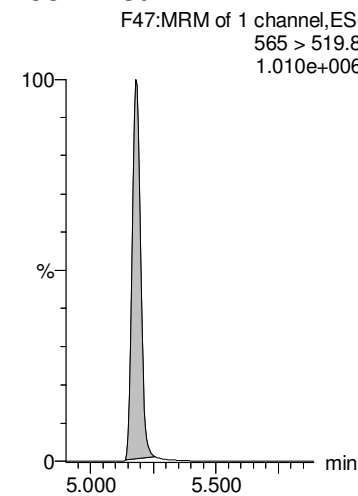
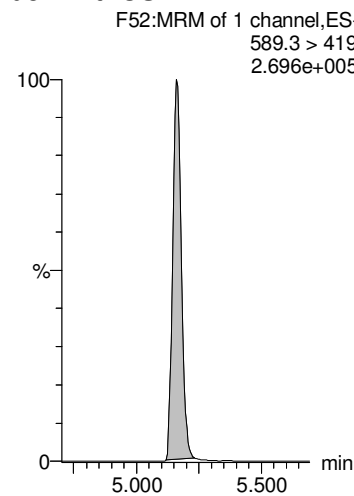
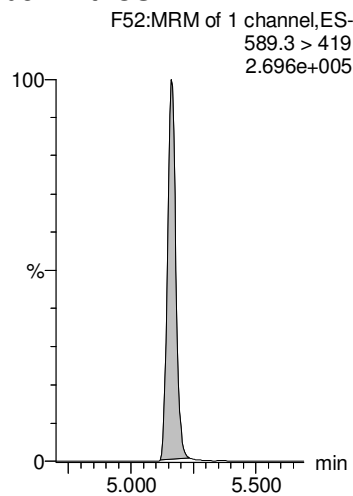
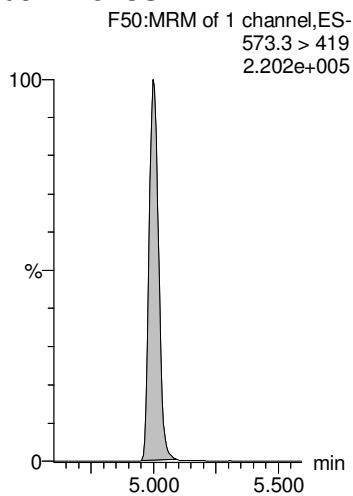
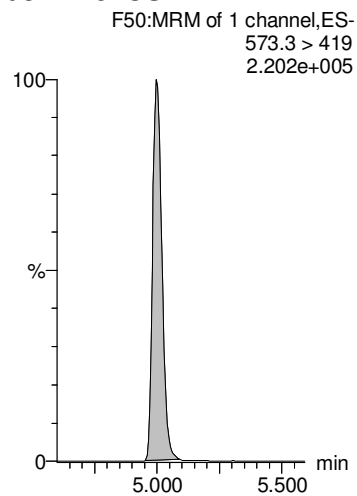
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

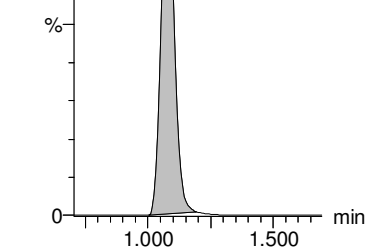
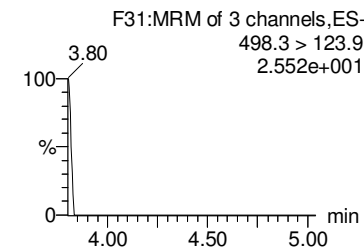
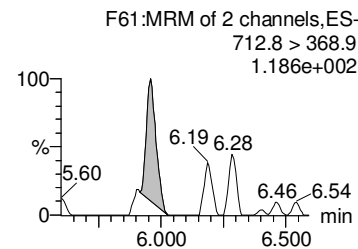
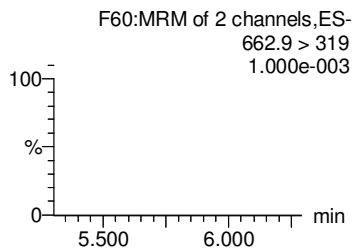
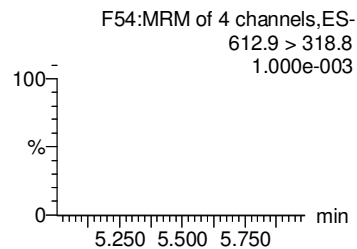
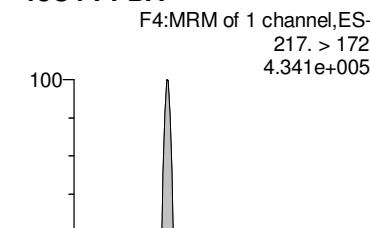
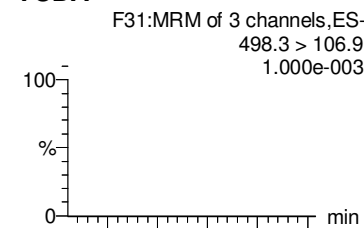
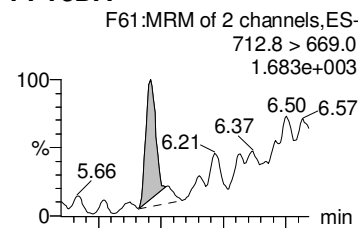
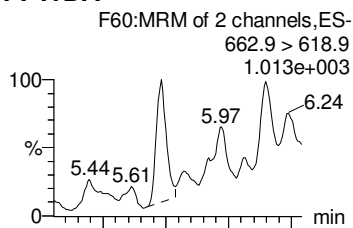
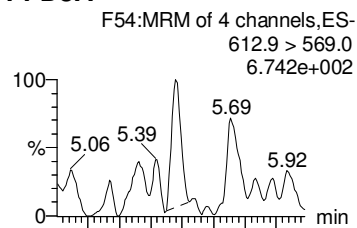
**PFDoA**

**PFTTrDA**

**PFTeDA**

**TCDA**

**13C4-PFBA**



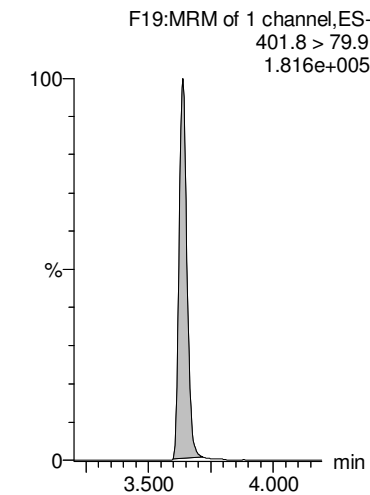
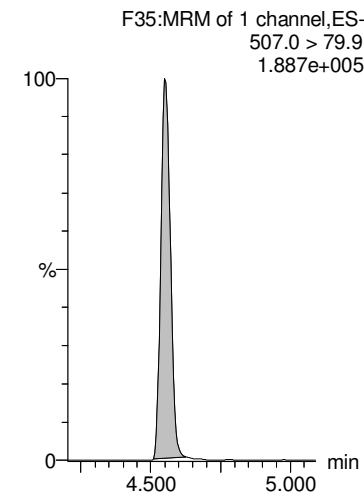
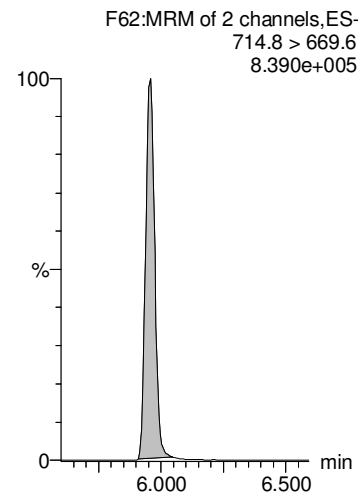
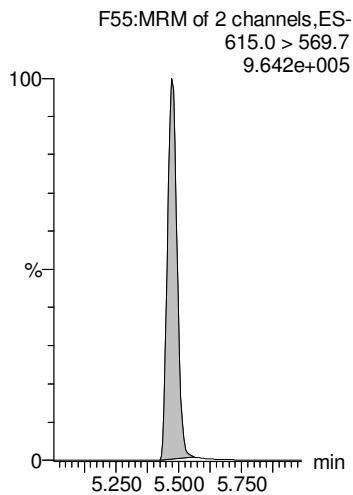
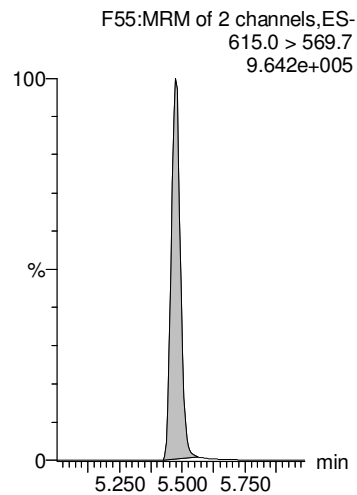
**13C2-PFDoA**

**13C2-PFDoA**

**13C2-PFTeDA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-30.qld

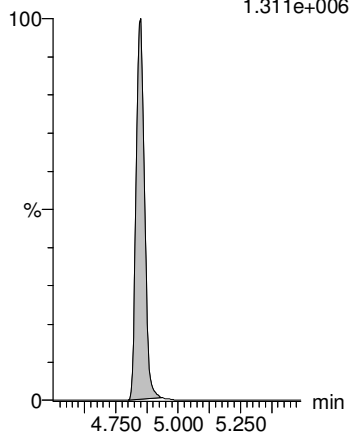
Last Altered: Tuesday, August 21, 2018 11:51:06 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:51:23 Pacific Daylight Time

Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518

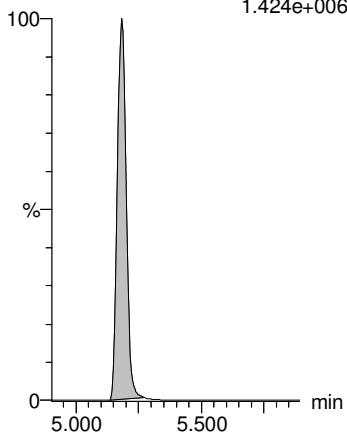
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.311e+006



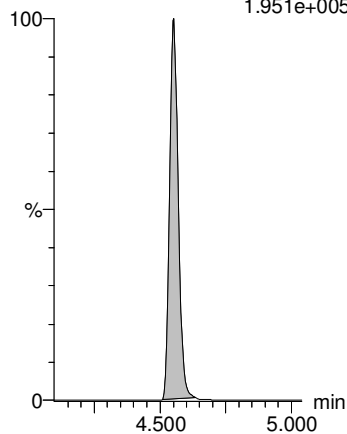
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.424e+006



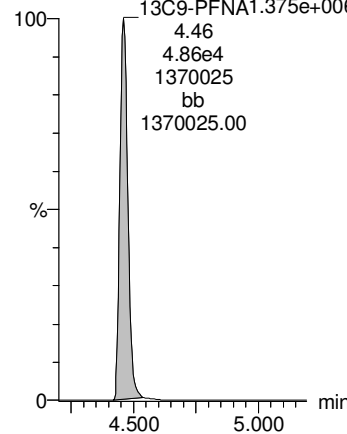
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.951e+005



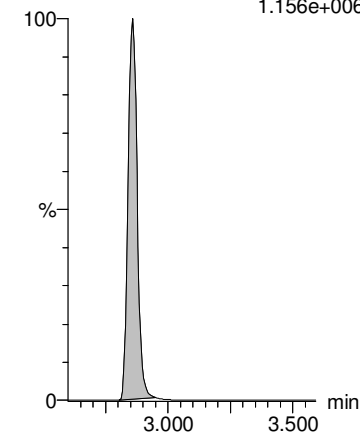
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.375e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.156e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.09e2	1.84e4	0.238	0.000	1.08	1.08	0.0740	0.3803			
2	2 PFPeA	263.1 > 218.9		2.64e4	0.238		2.04						
3	3 PFBS	299.0 > 79.7		3.13e3	0.238		2.34						
4	5 PFHxA	313 > 269		1.64e4	0.238		2.86						
5	7 PFHpA	363.0 > 318.9		2.47e4	0.238		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.84e4	2.41e4	0.238	0.765	1.16	1.08	9.57	48.9320	93.1		
7	37 13C3-PFPeA	266. > 221.8	2.64e4	4.45e4	0.238	0.592	2.14	2.04	7.40	64.0522	121.9		
8	38 13C3-PFBS	302. > 98.8	3.13e3	4.45e4	0.238	0.0702	2.44	2.34	0.878	73.3943	139.7		
9	40 13C2-PFHxA	315 > 270	1.64e4	4.45e4	0.238	0.923	2.95	2.86	4.61	19.8981	94.7		
10	41 13C4-PFHpA	367.2 > 321.8	2.47e4	4.45e4	0.238	0.554	3.56	3.48	6.93	47.5881	90.6		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	7.43e0	2.57e3	0.238	0.000	3.51	3.63	0.0362	0.1468		0.714	YES
13	68 Total PFHxS	398.9 > 79.6	7.43e0	2.57e3	0.238		3.65		0.0362	0.1468			
14	11 L-PFOA	412.9 > 368.9	3.16e2	3.73e4	0.238	0.000	4.00	4.01	0.106	0.3013		2.555	NO
15	69 Total PFOA	412.9 > 368.9	3.16e2	3.73e4	0.238		4.48		0.106	0.3013			
16	15 PFOSA	498 > 77.9		5.25e3	0.238		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.57e3	5.57e3	0.238	0.460	3.72	3.64	5.75	50.0525	95.3		
18	42 18O2-PFHxS	403.0 > 102.6	2.57e3	5.57e3	0.238	0.460	3.72	3.64	5.75	50.0525	95.3		
19	44 13C2-PFOA	414.9 > 369.7	3.73e4	5.17e4	0.238	0.722	4.09	4.01	9.02	46.2064	87.9		
20	44 13C2-PFOA	414.9 > 369.7	3.73e4	5.17e4	0.238	0.722	4.09	4.01	9.02	46.2064	87.9		
21	46 13C8-PFOSA	506.1 > 77.7	5.25e3	5.23e4	0.238	0.100	4.60	4.52	1.26	30.0520	57.2		
22	-1												
23	14 PFNA	463.0 > 418.8		3.68e4	0.238		4.54						
24	16 L-PFOS	498.9 > 79.9	5.63e0	6.48e3	0.238	0.000	4.63	4.45	0.0109	0.1624		1.018	YES
25	70 Total PFOS	498.9 > 79.9	5.63e0	6.48e3	0.238		4.60		0.0109	0.1624			
26	18 PFDA	513 > 468.8	7.93e1	3.70e4	0.238	0.000	4.92	4.85	0.0268	0.1292		46.503	YES
27	25 PFUdA	563.0 > 518.9	1.65e2	4.20e4	0.238	0.000	5.25	5.18	0.0490	0.1176		20.882	YES
28	45 13C5-PFNA	468.2 > 422.9	3.68e4	4.69e4	0.238	0.785	4.54	4.46	9.82	42.4173	80.7		
29	47 13C8-PFOS	507.0 > 79.9	6.48e3	6.38e3	0.238	1.02	4.63	4.55	12.7	50.7196	96.5		
30	47 13C8-PFOS	507.0 > 79.9	6.48e3	6.38e3	0.238	1.02	4.63	4.55	12.7	50.7196	96.5		
31	48 13C2-PFDA	515.1 > 469.9	3.70e4	4.80e4	0.238	0.770	4.92	4.85	9.62	42.2503	80.4		
32	51 13C2-PFUdA	565 > 519.8	4.20e4	5.23e4	0.238	0.805	5.25	5.18	10.1	43.0146	81.9		
33	-1												
34	21 L-MeFOSAA	570 > 419		9.29e3	0.238		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	9.29e3	0.238		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		1.02e4	0.238		5.24						

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	1.02e4	0.238		5.23		0.000				
38	26 PFDS	598.8 > 79.9		6.48e3	0.238		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	9.29e3	5.23e4	0.238	0.178	5.08	5.00	2.22	38.6808	73.6		
40	50 d3-N-MeFOSAA	573.3 > 419	9.29e3	5.23e4	0.238	0.178	5.08	5.00	2.22	38.6808	73.6		
41	52 d5-N-EtFOSAA	589.3 > 419	1.02e4	5.23e4	0.238	0.195	5.23	5.16	2.44	39.1733	74.5		
42	52 d5-N-EtFOSAA	589.3 > 419	1.02e4	5.23e4	0.238	0.195	5.23	5.16	2.44	39.1733	74.5		
43	51 13C2-PFUdA	565 > 519.8	4.20e4	5.23e4	0.238	0.805	5.25	5.18	10.1	43.0146	81.9		
44	-1												
45	27 PFDoA	612.9 > 569.0	4.69e1	4.19e4	0.238	0.000	5.54	5.47	0.0140	0.0702		12.392	YES
46	29 PFTrDA	662.9 > 618.9		4.19e4	0.238		5.79						
47	30 PFTeDA	712.8 > 669.0	7.32e1	3.34e4	0.238	0.000	6.01	5.95	0.0274	0.1391		20.597	YES
48	73 TCDA	498.3 > 106.9			0.238		5.11						
49	60 13C4-PFBA	217. > 172	2.41e4	2.41e4	0.238	1.00	1.15	1.08	12.5	52.5475	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	4.19e4	4.80e4	0.238	0.872	5.54	5.47	10.9	42.3288	80.6		
51	53 13C2-PFDoA	615.0 > 569.7	4.19e4	4.80e4	0.238	0.872	5.54	5.47	10.9	42.3288	80.6		
52	55 13C2-PFTeDA	714.8 > 669.6	3.34e4	5.23e4	0.238	0.639	6.01	5.96	7.99	43.2490	82.3		
53	47 13C8-PFOS	507.0 > 79.9	6.48e3	6.38e3	0.238	1.02	4.63	4.55	12.7	50.7196	96.5		
54	62 13C3-PFHxS	401.8 > 79.9	5.57e3	5.57e3	0.238	1.00	3.72	3.64	12.5	52.5475	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.80e4	4.80e4	0.238	1.00	4.92	4.85	12.5	52.5475	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	5.23e4	5.23e4	0.238	1.00	5.25	5.18	12.5	52.5475	100.0		
58	65 13C4-PFOS	503 > 79.9	6.38e3	6.38e3	0.238	1.00	4.63	4.55	12.5	52.5475	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.69e4	4.69e4	0.238	1.00	4.54	4.46	12.5	52.5475	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.45e4	4.45e4	0.238	1.00	2.95	2.86	12.5	52.5475	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

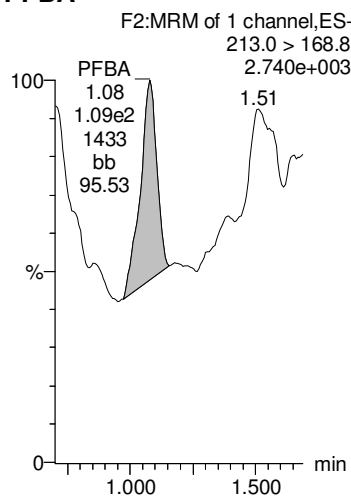
Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

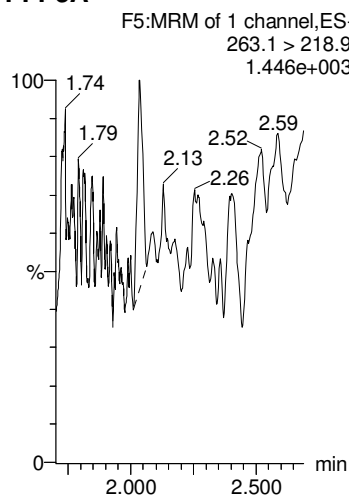
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

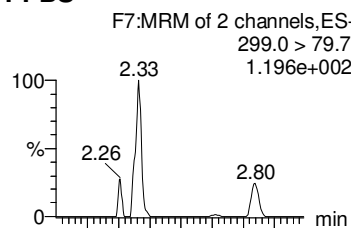
**PFBA**



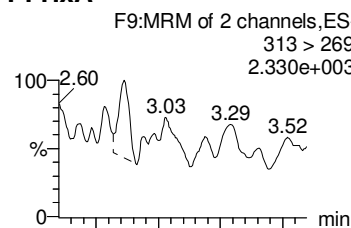
**PFPeA**



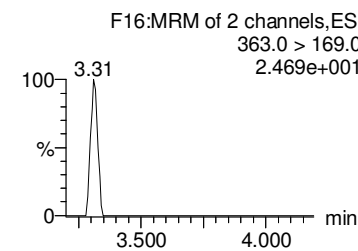
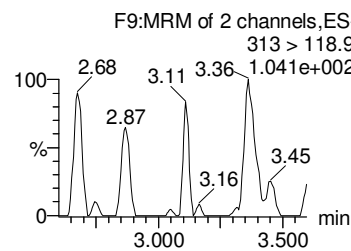
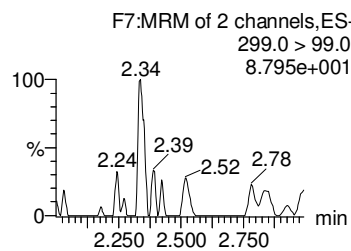
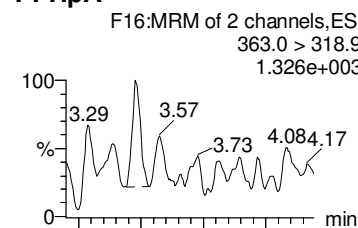
**PFBS**



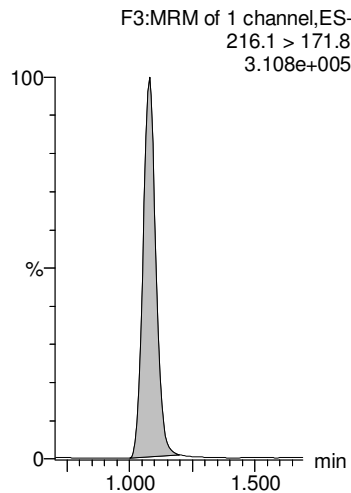
**PFHxA**



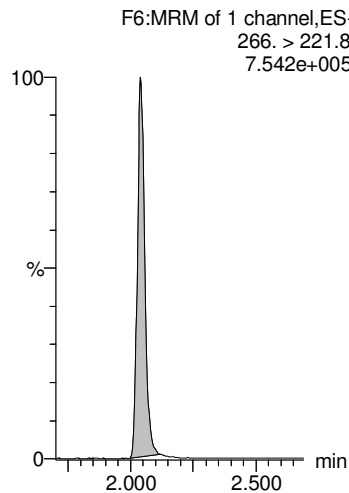
**PFHpA**



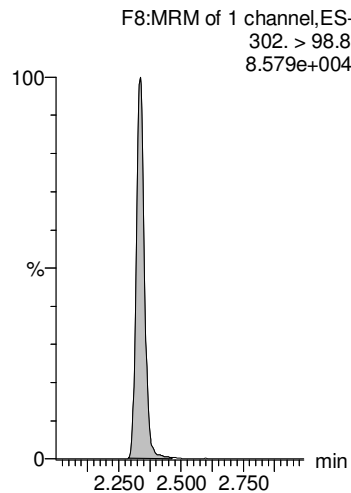
**13C3-PFBA**



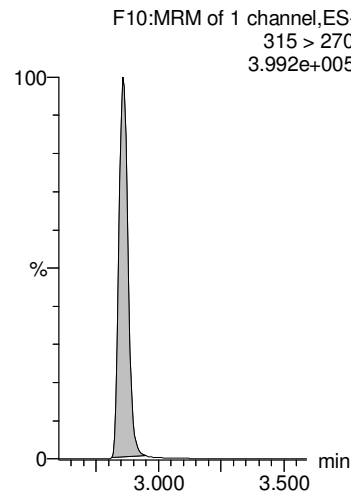
**13C3-PFPeA**



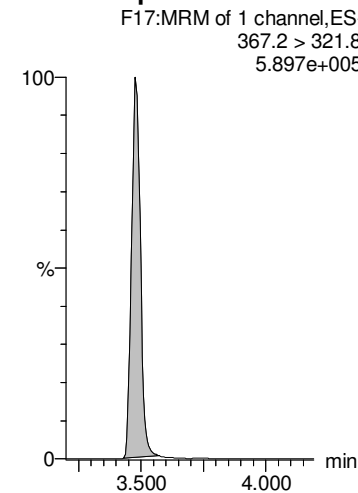
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

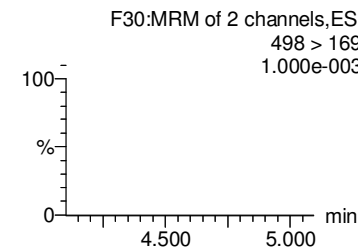
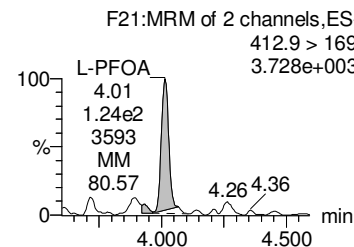
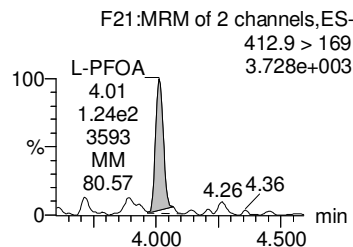
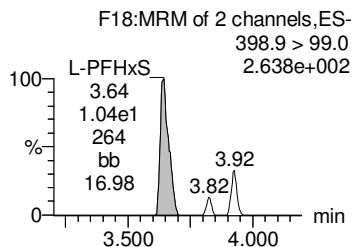
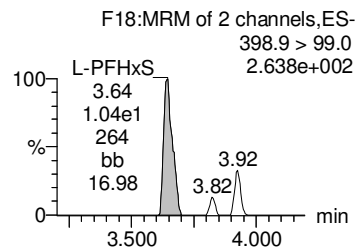
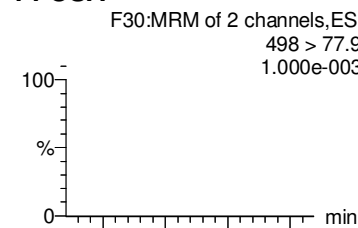
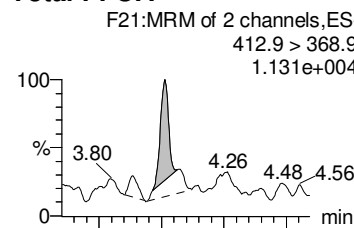
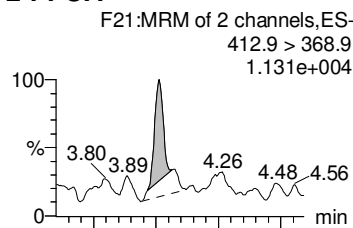
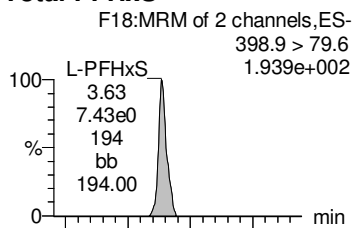
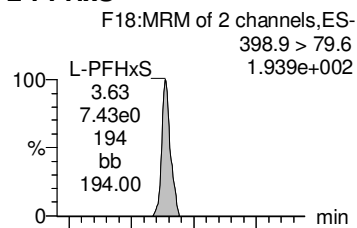
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



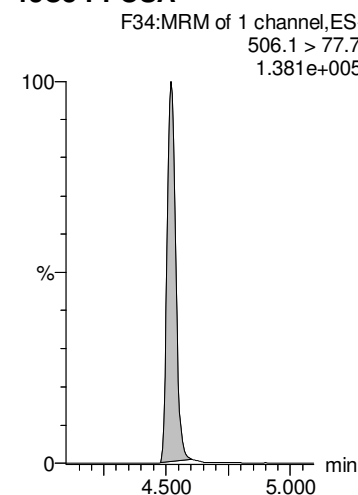
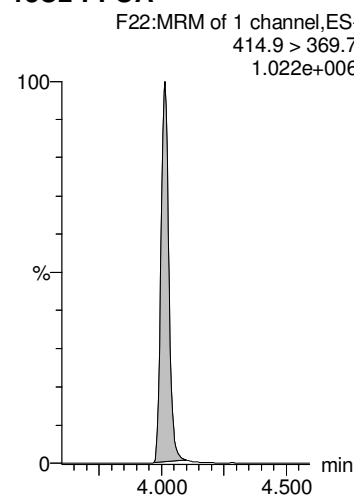
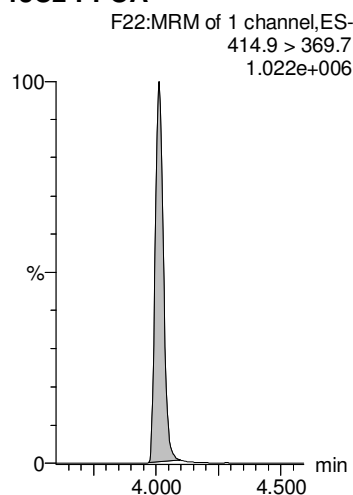
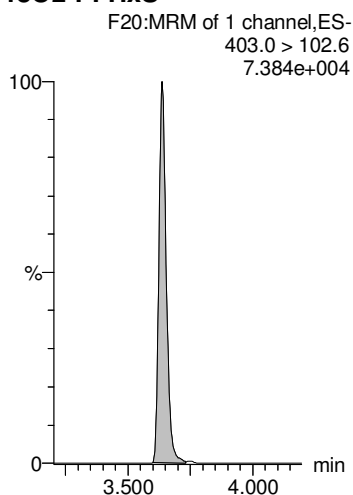
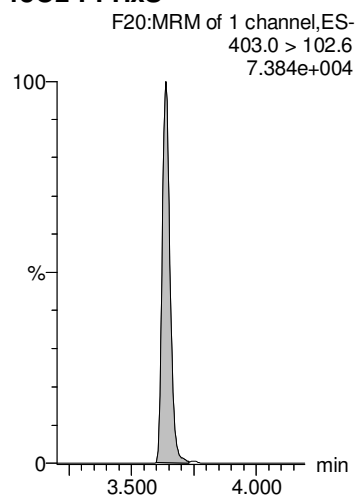
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

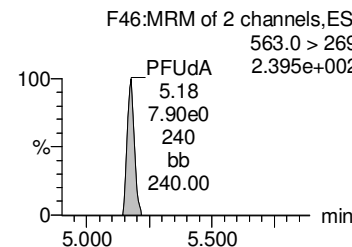
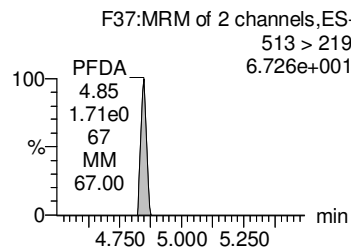
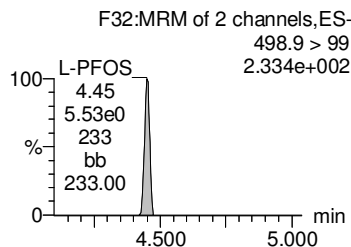
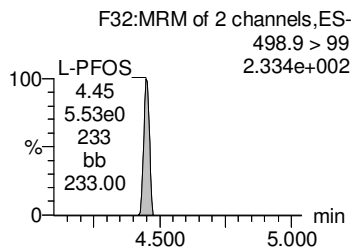
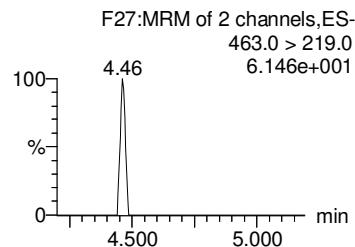
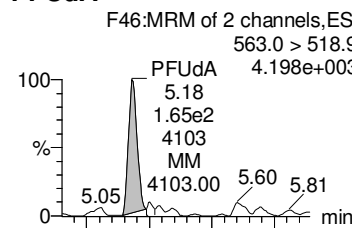
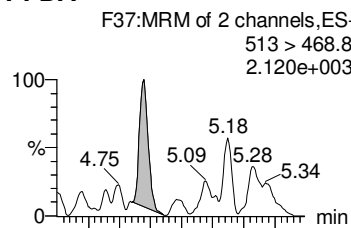
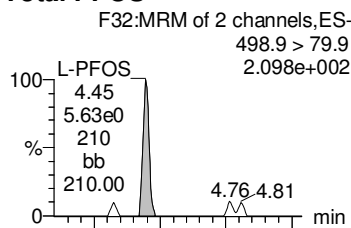
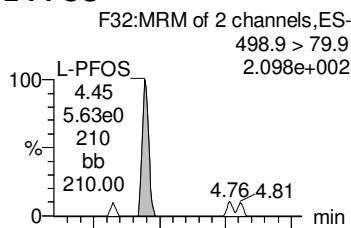
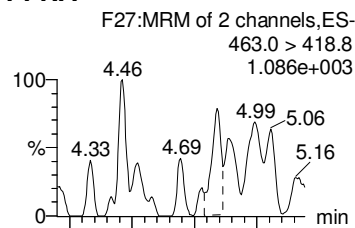
**PFNA**

**L-PFOS**

**Total PFOS**

**PFDA**

**PFUdA**



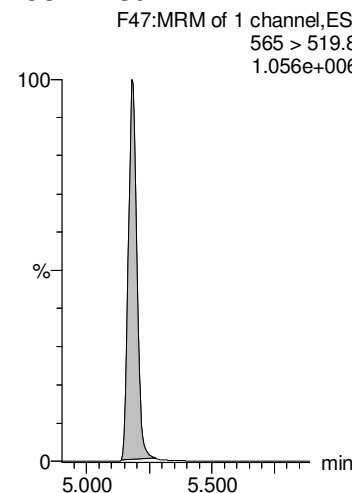
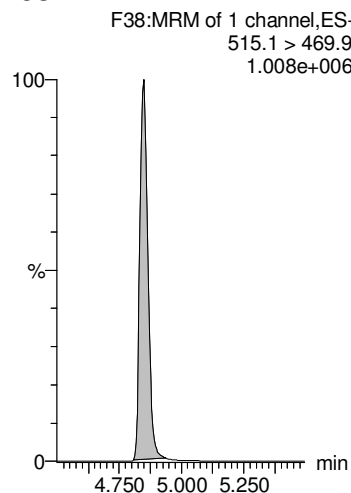
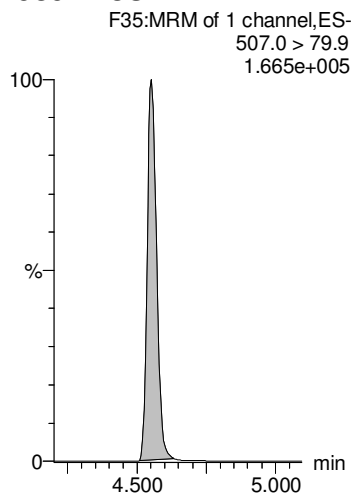
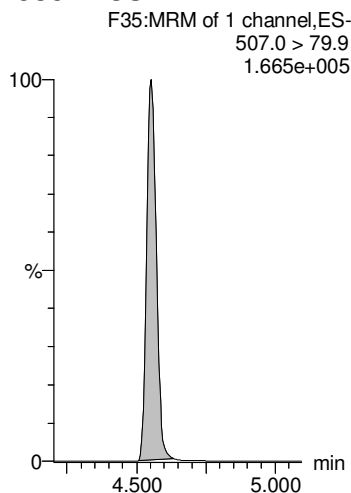
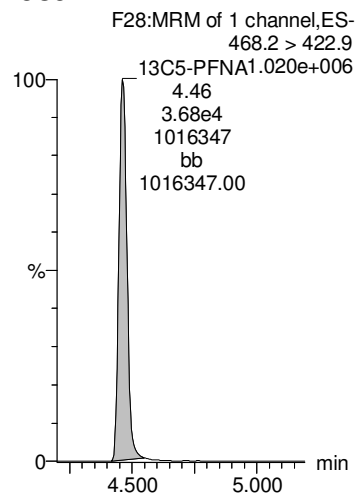
**13C5-PFNA**

**13C8-PFOS**

**13C8-PFOS**

**13C2-PFDA**

**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

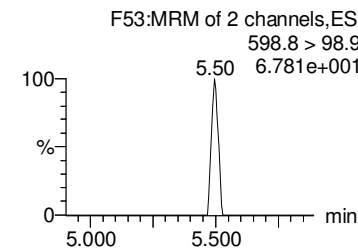
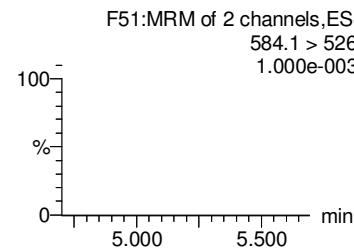
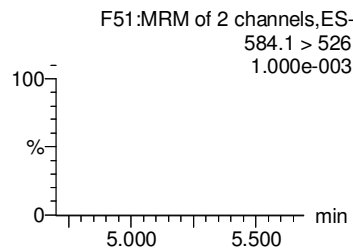
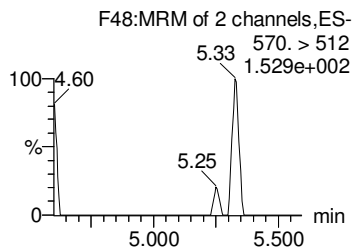
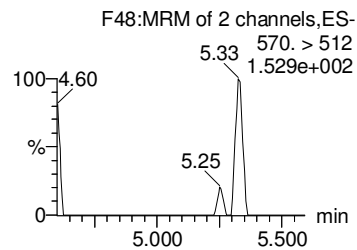
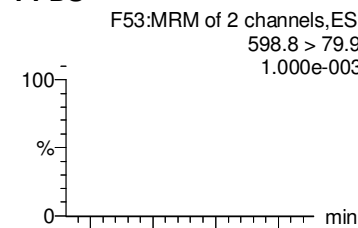
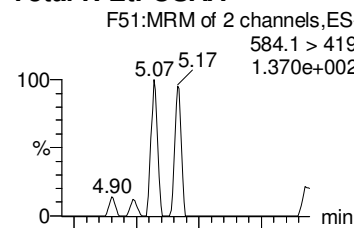
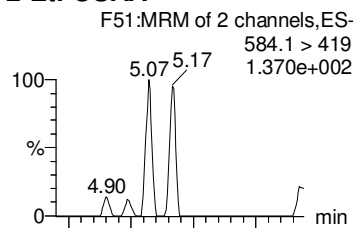
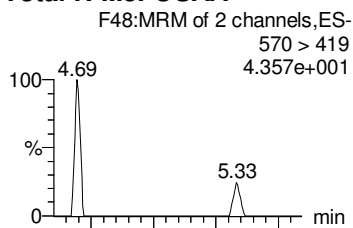
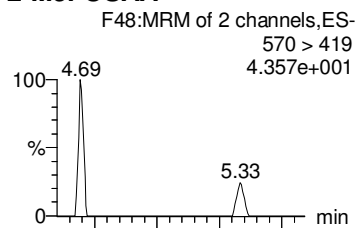
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



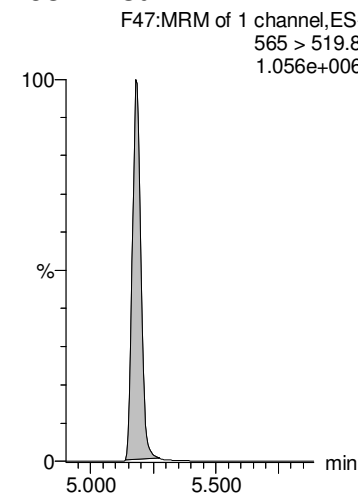
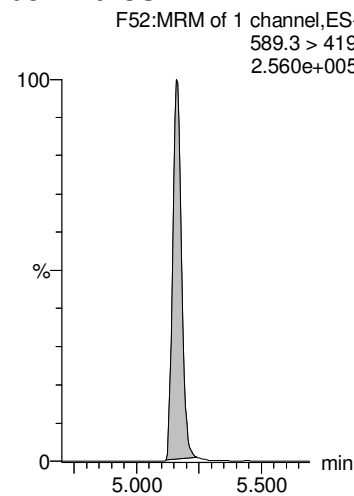
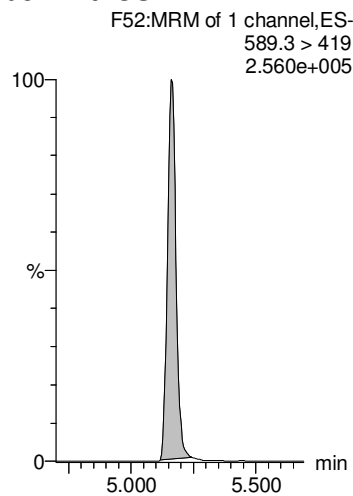
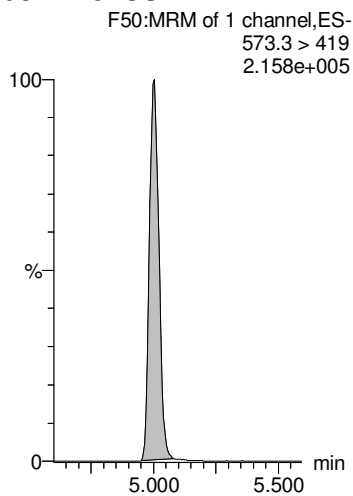
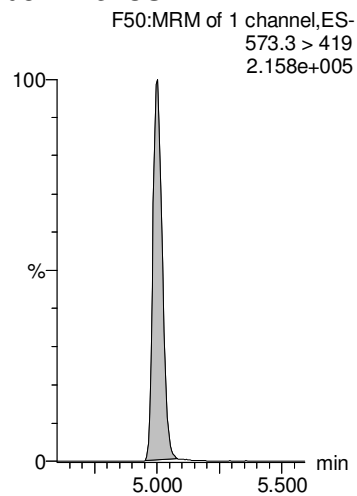
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

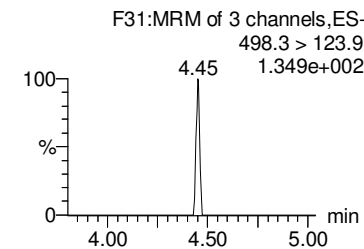
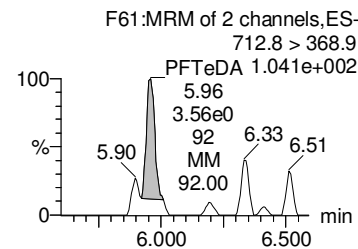
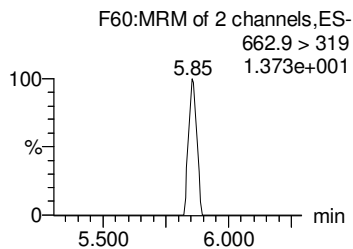
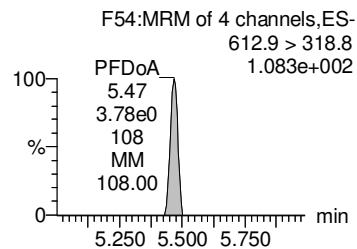
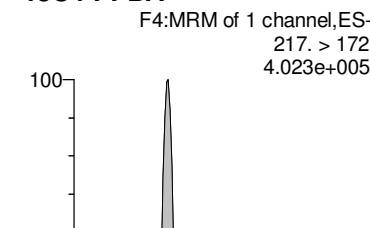
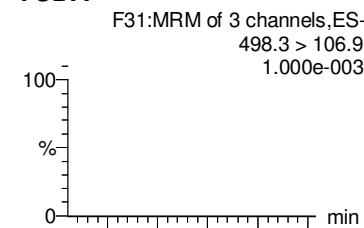
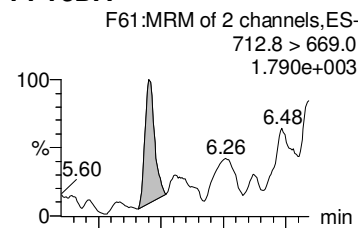
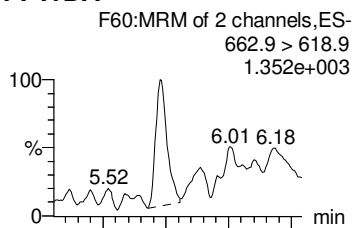
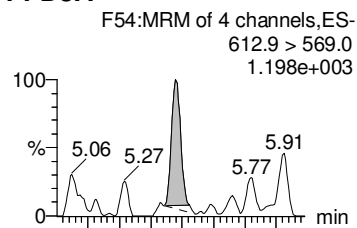
**PFDoA**

**PFTTrDA**

**PFTeDA**

**TCDA**

**13C4-PFBA**



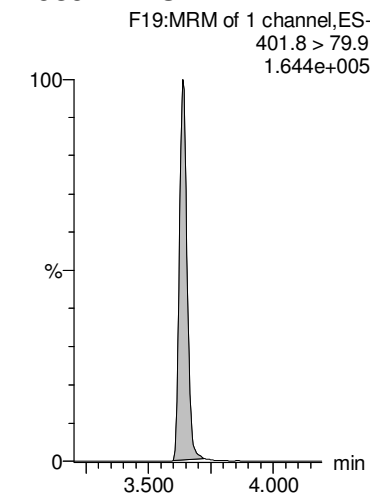
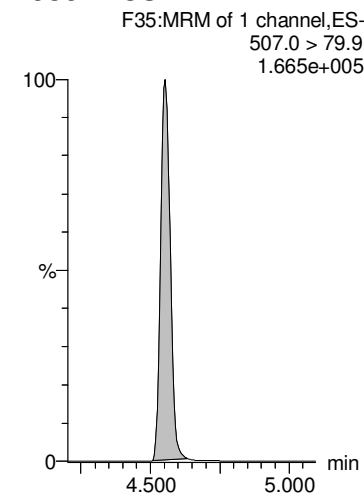
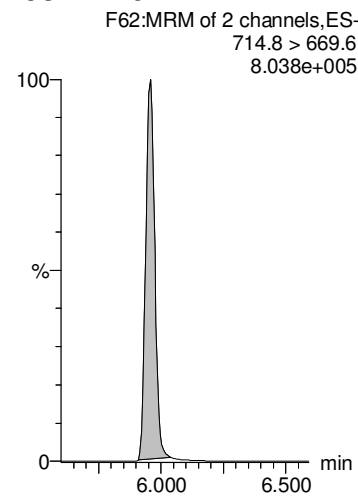
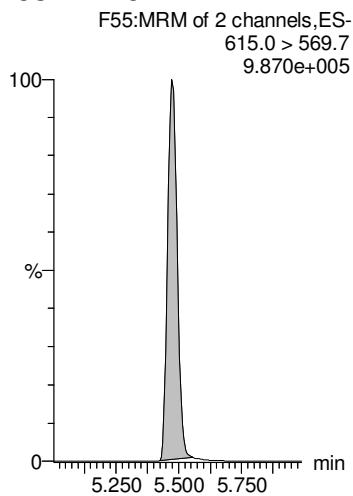
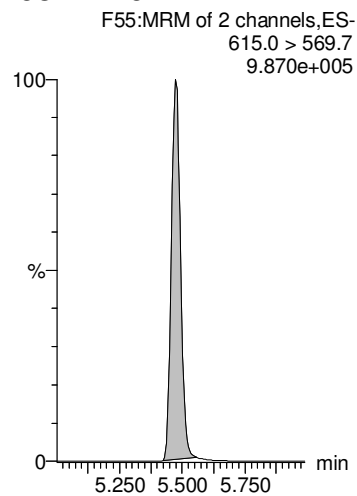
**13C2-PFDoA**

**13C2-PFDoA**

**13C2-PFTeDA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-32.qld

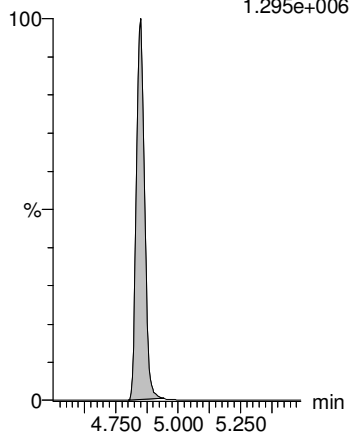
Last Altered: Tuesday, August 21, 2018 11:56:16 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 14:37:43 Pacific Daylight Time

Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788, Description: Hortzendorf-DW-072518

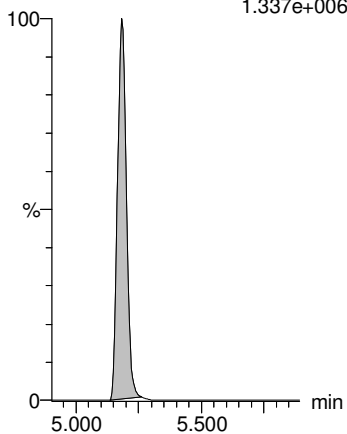
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.295e+006



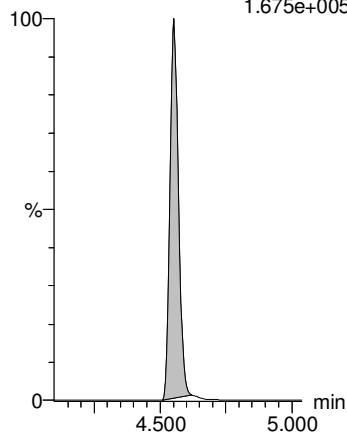
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.337e+006



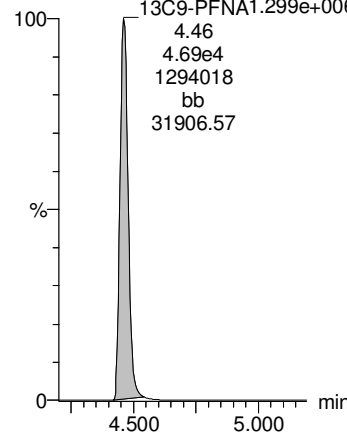
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.675e+005



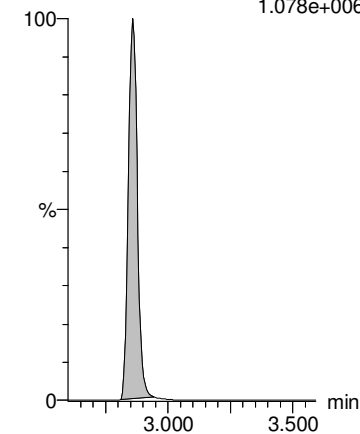
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.299e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.078e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	4.17e4	2.03e4	0.241	0.000	1.07	1.08	25.7	92.5319			
2	2 PFPeA	263.1 > 218.9	1.51e5	2.71e4	0.241	0.000	2.04	2.04	69.8	299.9824			
3	3 PFBS	299.0 > 79.7	4.95e3	3.36e3	0.241	0.000	2.33	2.33	18.4	38.1515		2.799	NO
4	5 PFHxA	313 > 269	3.05e5	1.69e4	0.241	0.000	2.86	2.86	90.2	389.9905		15.025	NO
5	7 PFHpA	363.0 > 318.9	9.70e4	2.58e4	0.241	0.000	3.48	3.48	47.0	174.0268		20.406	NO
6	36 13C3-PFBA	216.1 > 171.8	2.03e4	2.68e4	0.241	0.755	1.16	1.07	9.44	47.6115	91.9		
7	37 13C3-PFPeA	266. > 221.8	2.71e4	4.59e4	0.241	0.591	2.14	2.04	7.38	62.9665	121.5		
8	38 13C3-PFBS	302. > 98.8	3.36e3	4.59e4	0.241	0.0733	2.44	2.33	0.916	75.4681	145.7		
9	40 13C2-PFHxA	315 > 270	1.69e4	4.59e4	0.241	0.921	2.95	2.86	4.60	19.5771	94.5		
10	41 13C4-PFHpA	367.2 > 321.8	2.58e4	4.59e4	0.241	0.563	3.56	3.48	7.03	47.6183	91.9		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	6.70e4	2.13e3	0.241	0.000	3.51	3.64	393	916.0066		1.798	NO
13	68 Total PFHxS	398.9 > 79.6	6.70e4	2.13e3	0.241		3.65		393	916.2007			
14	11 L-PFOA	412.9 > 368.9	5.73e5	3.43e4	0.241	0.000	4.00	4.01	209	858.8654		2.493	NO
15	69 Total PFOA	412.9 > 368.9	5.73e5	3.43e4	0.241		4.48		209	858.8654			
16	15 PFOSA	498 > 77.9	2.16e3	4.39e3	0.241	0.000	4.60	4.52	6.16	24.7224		25.309	NO
17	42 18O2-PFHxS	403.0 > 102.6	2.13e3	4.85e3	0.241	0.439	3.72	3.64	5.49	47.0998	90.9		
18	42 18O2-PFHxS	403.0 > 102.6	2.13e3	4.85e3	0.241	0.439	3.72	3.64	5.49	47.0998	90.9		
19	44 13C2-PFOA	414.9 > 369.7	3.43e4	4.66e4	0.241	0.736	4.09	4.01	9.20	46.4807	89.7		
20	44 13C2-PFOA	414.9 > 369.7	3.43e4	4.66e4	0.241	0.736	4.09	4.01	9.20	46.4807	89.7		
21	46 13C8-PFOSA	506.1 > 77.7	4.39e3	5.52e4	0.241	0.0794	4.60	4.52	0.993	23.4220	45.2		H
22	-1												
23	14 PFNA	463.0 > 418.8	2.23e4	3.72e4	0.241	0.000	4.54	4.46	7.48	26.3588		4.918	NO
24	16 L-PFOS	498.9 > 79.9	1.38e5	4.69e3	0.241	0.000	4.63	4.55	367	1472.9349		1.782	NO
25	70 Total PFOS	498.9 > 79.9	1.38e5	4.69e3	0.241		4.60		367	1472.9349			
26	18 PFDA	513 > 468.8	1.86e3	3.78e4	0.241	0.000	4.92	4.85	0.615	2.0828		5.649	NO
27	25 PFUdA	563.0 > 518.9		4.31e4	0.241		5.25						
28	45 13C5-PFNA	468.2 > 422.9	3.72e4	4.81e4	0.241	0.774	4.54	4.46	9.67	41.1965	79.5		
29	47 13C8-PFOS	507.0 > 79.9	4.69e3	5.24e3	0.241	0.894	4.63	4.55	11.2	44.0240	85.0		
30	47 13C8-PFOS	507.0 > 79.9	4.69e3	5.24e3	0.241	0.894	4.63	4.55	11.2	44.0240	85.0		
31	48 13C2-PFDA	515.1 > 469.9	3.78e4	5.33e4	0.241	0.709	4.92	4.85	8.87	38.3935	74.1		
32	51 13C2-PFUdA	565 > 519.8	4.31e4	5.52e4	0.241	0.780	5.25	5.18	9.75	41.1129	79.4		
33	-1												
34	21 L-MeFOSAA	570 > 419		9.31e3	0.241		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	9.31e3	0.241		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		1.05e4	0.241		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	1.05e4	0.241		5.23		0.000				
38	26 PFDS	598.8 > 79.9		4.69e3	0.241		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	9.31e3	5.52e4	0.241	0.169	5.08	5.00	2.11	36.1789	69.8		
40	50 d3-N-MeFOSAA	573.3 > 419	9.31e3	5.52e4	0.241	0.169	5.08	5.00	2.11	36.1789	69.8		
41	52 d5-N-EtFOSAA	589.3 > 419	1.05e4	5.52e4	0.241	0.191	5.23	5.16	2.39	37.7361	72.8		
42	52 d5-N-EtFOSAA	589.3 > 419	1.05e4	5.52e4	0.241	0.191	5.23	5.16	2.39	37.7361	72.8		
43	51 13C2-PFUdA	565 > 519.8	4.31e4	5.52e4	0.241	0.780	5.25	5.18	9.75	41.1129	79.4		
44	-1												
45	27 PFDoA	612.9 > 569.0		4.65e4	0.241		5.54						
46	29 PFTTrDA	662.9 > 618.9		4.65e4	0.241		5.79						
47	30 PFTeDA	712.8 > 669.0	7.80e1	3.81e4	0.241	0.000	6.01	5.96	0.0256	0.1314		16.282	YES
48	73 TCDA	498.3 > 106.9			0.241		5.11						
49	60 13C4-PFBA	217. > 172	2.68e4	2.68e4	0.241	1.00	1.15	1.07	12.5	51.8070	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	4.65e4	5.33e4	0.241	0.873	5.54	5.47	10.9	41.7606	80.6		
51	53 13C2-PFDoA	615.0 > 569.7	4.65e4	5.33e4	0.241	0.873	5.54	5.47	10.9	41.7606	80.6		
52	55 13C2-PFTeDA	714.8 > 669.6	3.81e4	5.52e4	0.241	0.689	6.01	5.96	8.62	45.9736	88.7		
53	47 13C8-PFOS	507.0 > 79.9	4.69e3	5.24e3	0.241	0.894	4.63	4.55	11.2	44.0240	85.0		
54	62 13C3-PFHxS	401.8 > 79.9	4.85e3	4.85e3	0.241	1.00	3.72	3.64	12.5	51.8070	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	5.33e4	5.33e4	0.241	1.00	4.92	4.85	12.5	51.8070	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	5.52e4	5.52e4	0.241	1.00	5.25	5.18	12.5	51.8070	100.0		
58	65 13C4-PFOS	503 > 79.9	5.24e3	5.24e3	0.241	1.00	4.63	4.55	12.5	51.8070	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.81e4	4.81e4	0.241	1.00	4.54	4.46	12.5	51.8070	100.0		
60	61 13C5-PFHxA	318 > 272.9	4.59e4	4.59e4	0.241	1.00	2.95	2.86	12.5	51.8070	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

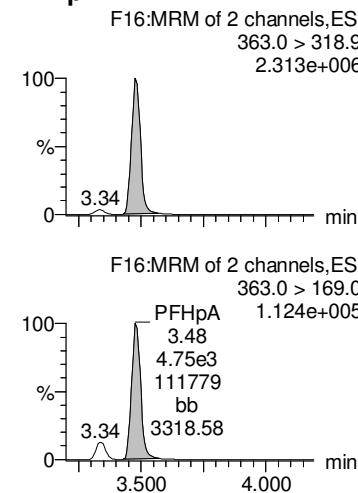
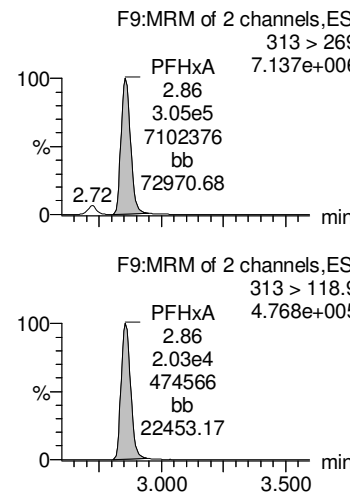
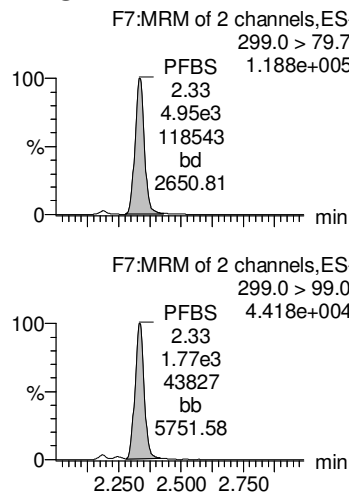
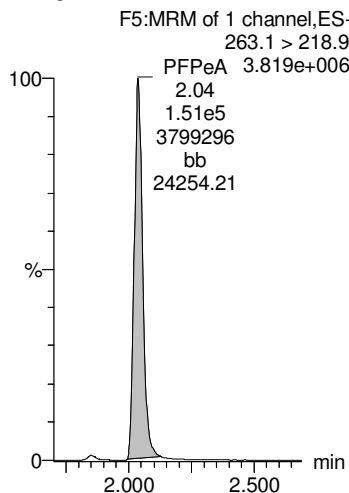
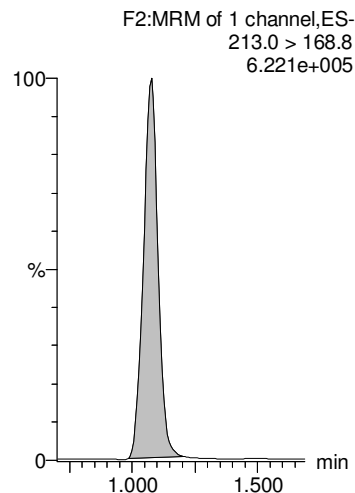
**PFBA**

**PFPeA**

**PFBS**

**PFHxA**

**PFHpA**



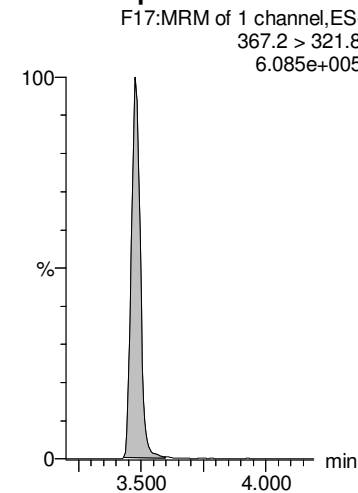
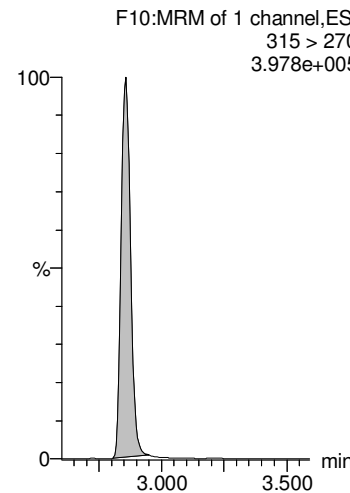
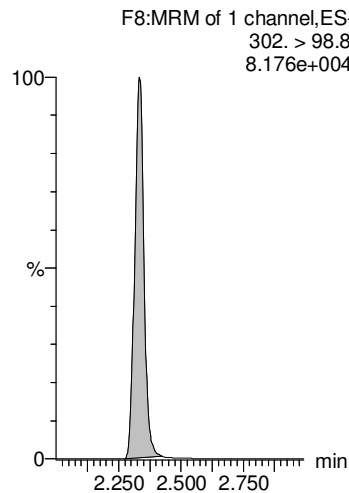
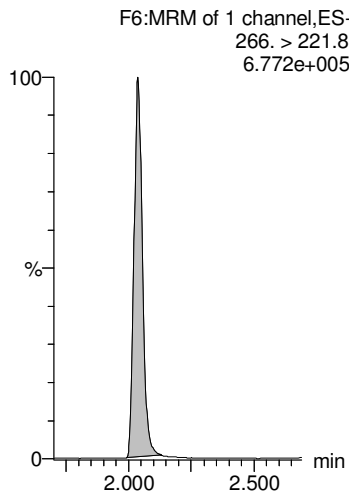
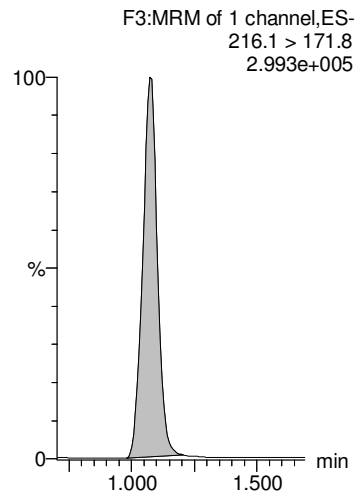
**13C3-PFBA**

**13C3-PFPeA**

**13C3-PFBS**

**13C2-PFHxA**

**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

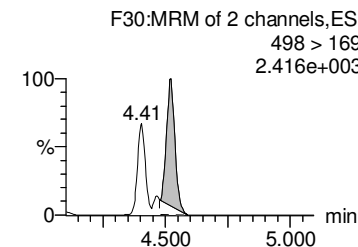
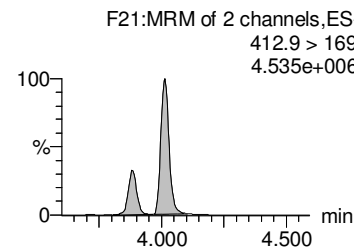
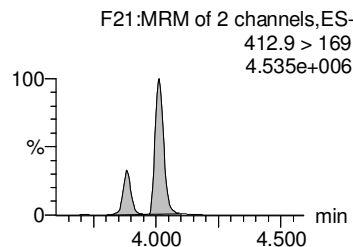
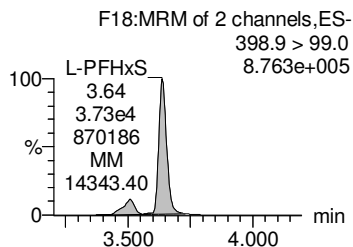
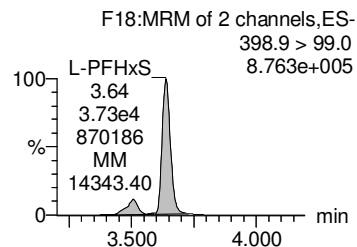
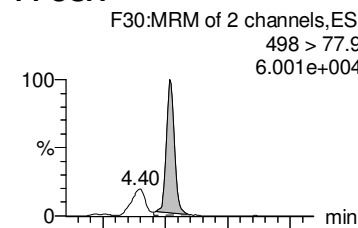
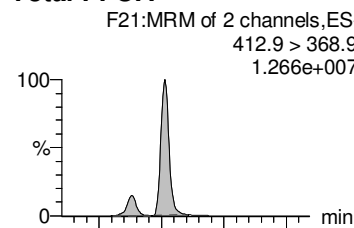
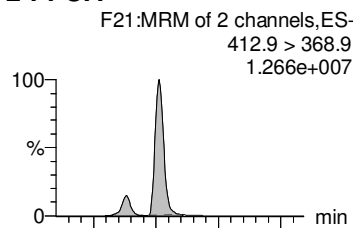
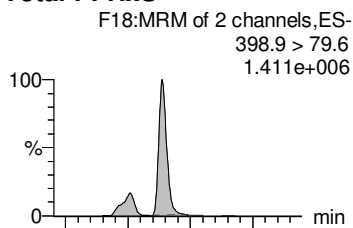
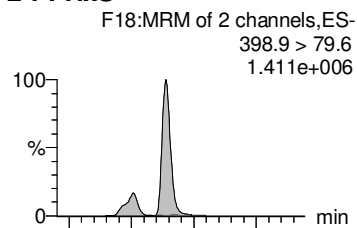
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



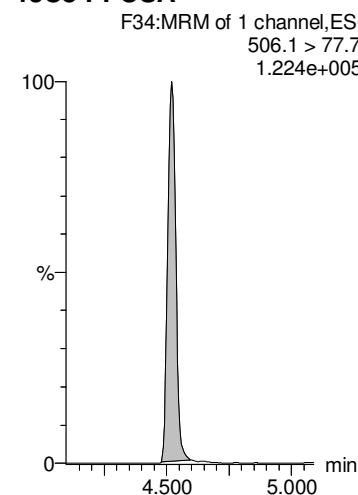
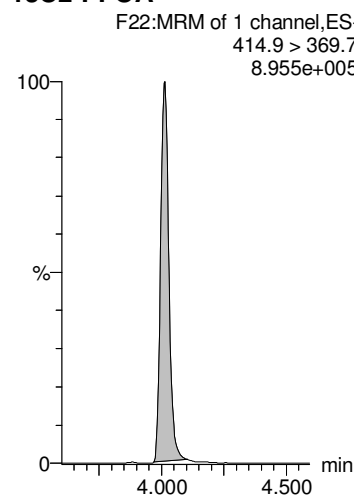
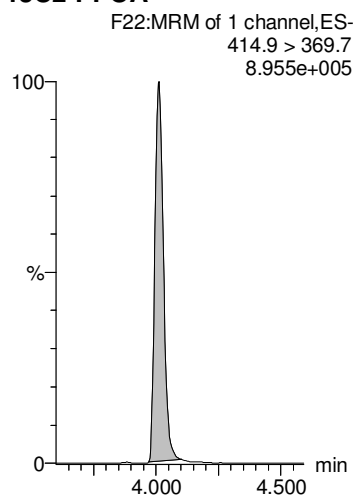
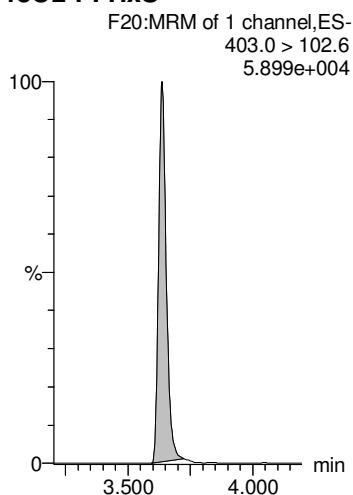
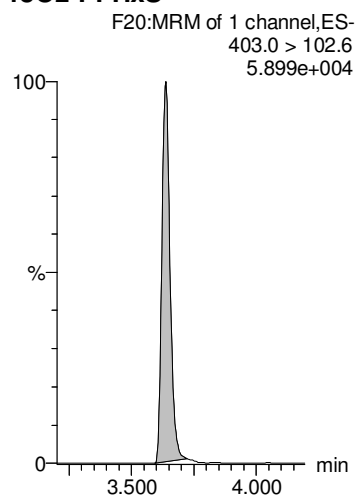
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

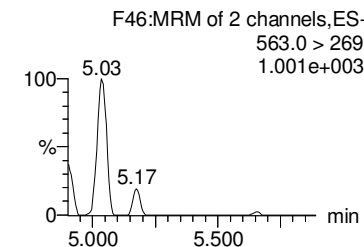
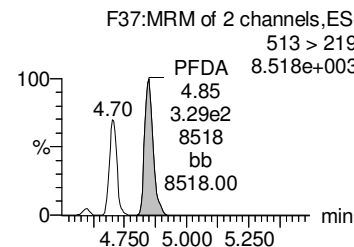
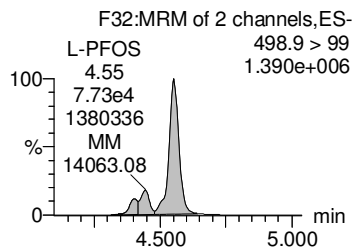
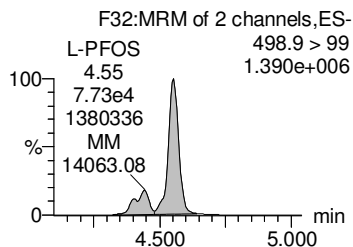
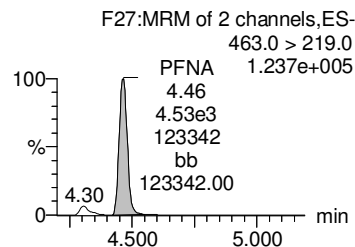
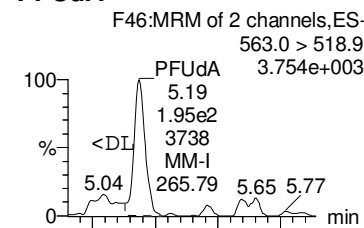
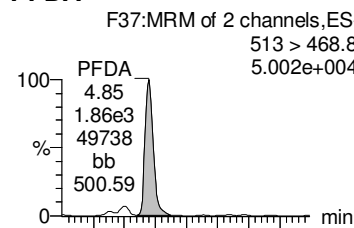
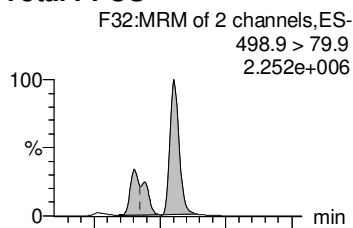
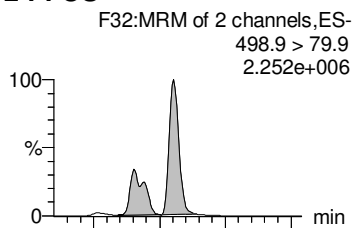
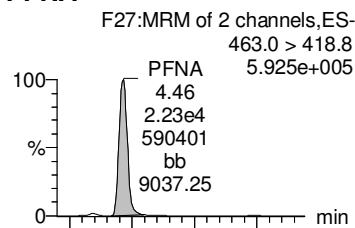
**PFNA**

**L-PFOS**

**Total PFOS**

**PFDA**

**PFUdA**



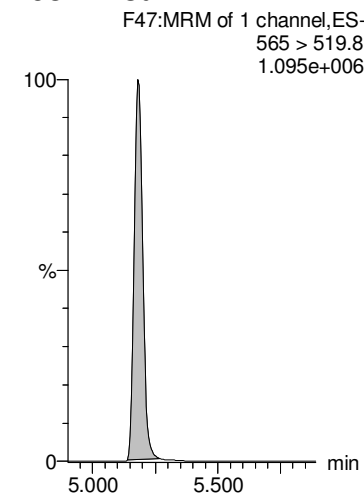
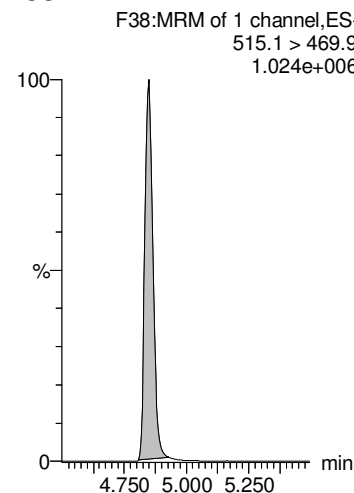
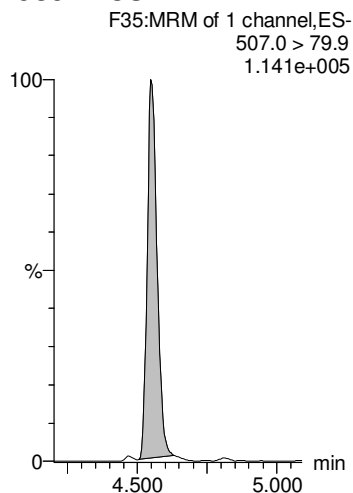
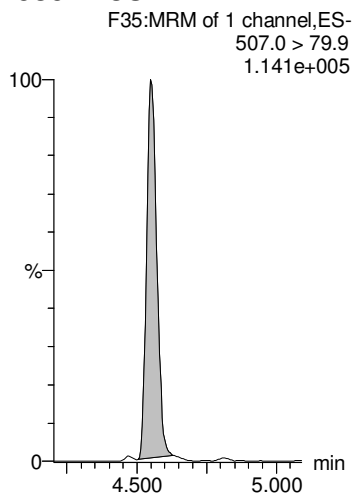
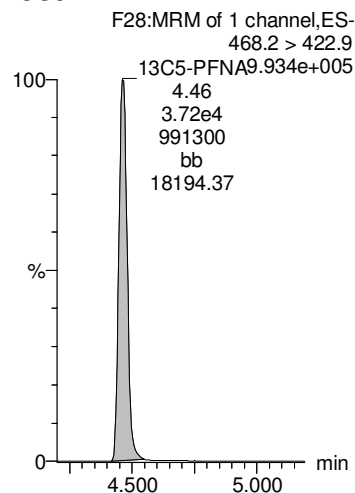
**13C5-PFNA**

**13C8-PFOS**

**13C8-PFOS**

**13C2-PFDA**

**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

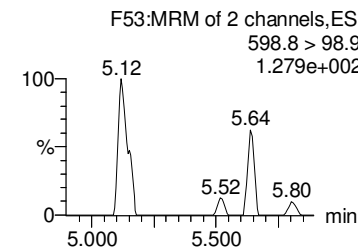
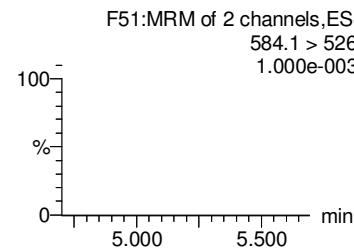
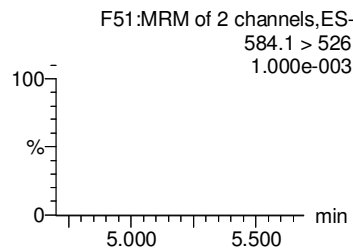
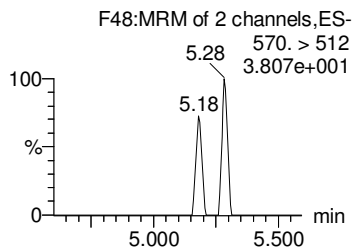
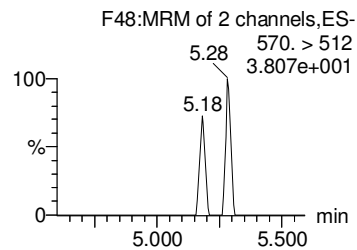
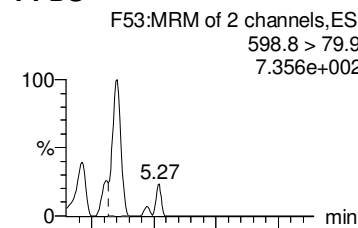
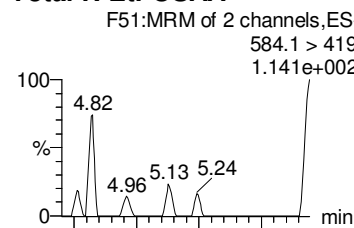
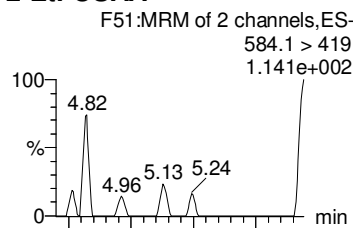
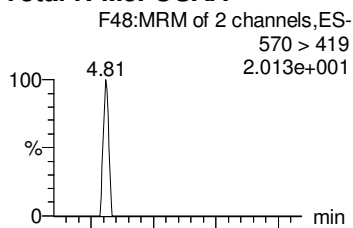
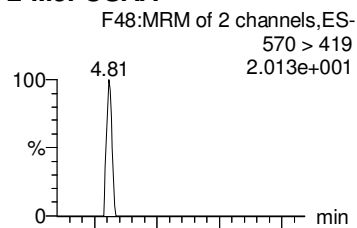
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



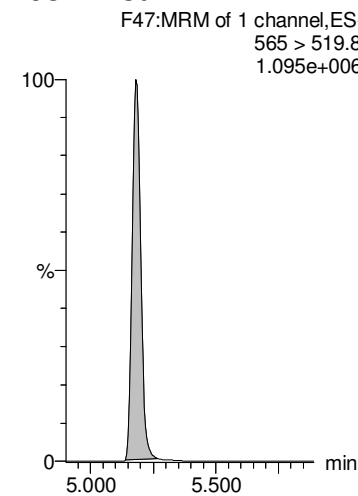
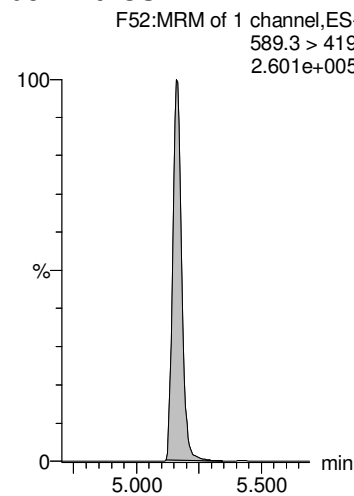
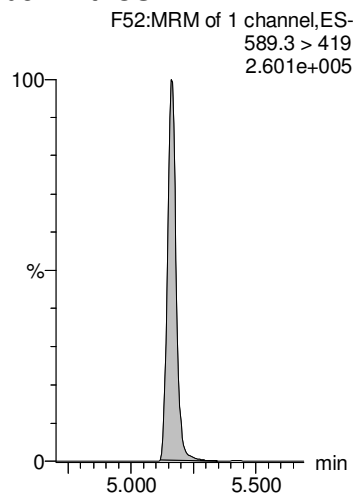
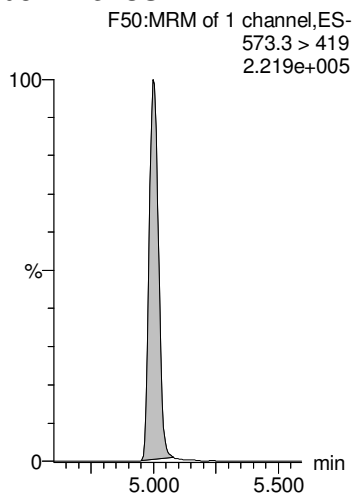
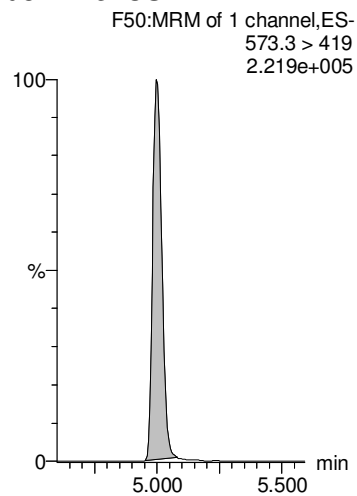
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

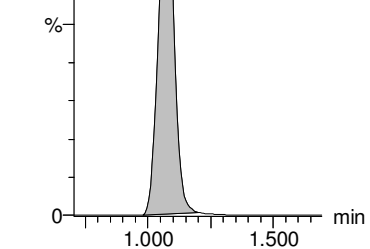
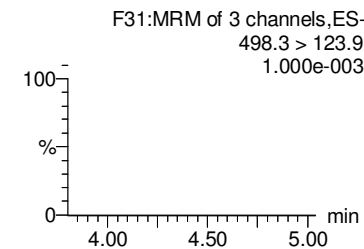
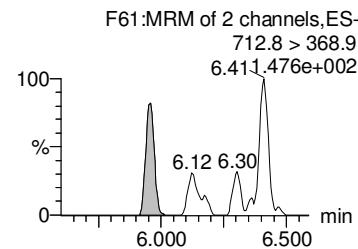
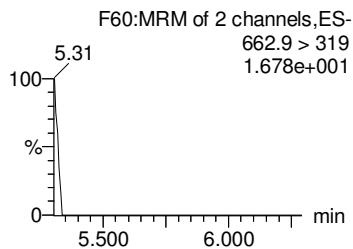
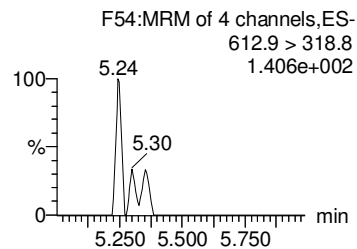
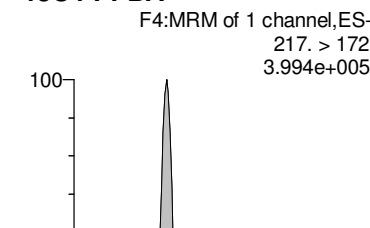
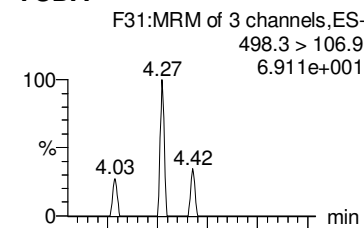
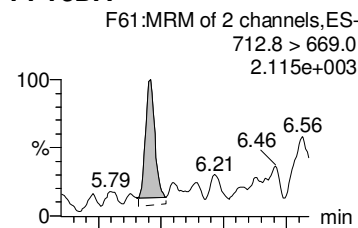
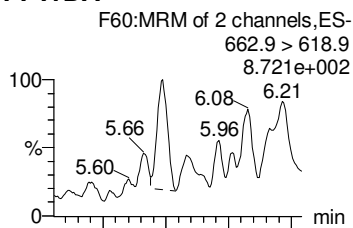
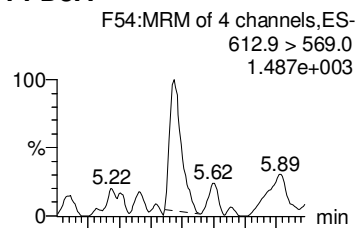
**PFD<sub>o</sub>A**

**PFT<sub>r</sub>DA**

**PFT<sub>e</sub>DA**

**TCDA**

**13C4-PFBA**



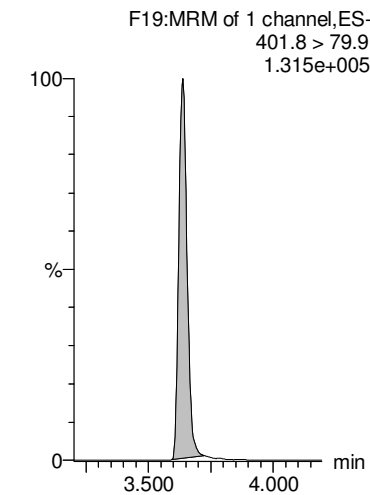
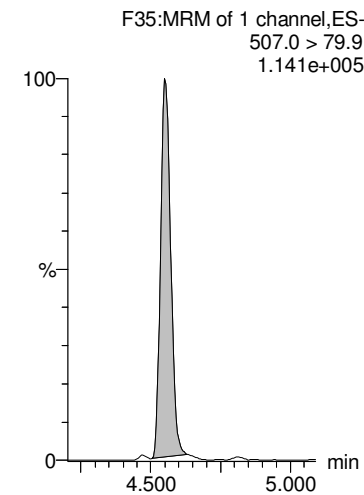
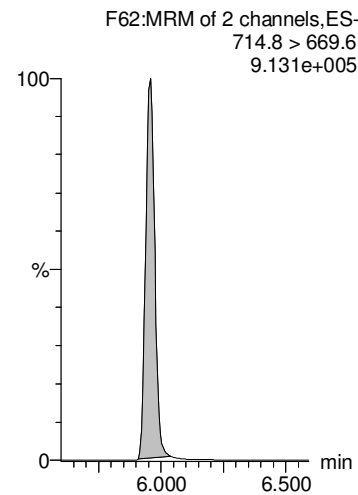
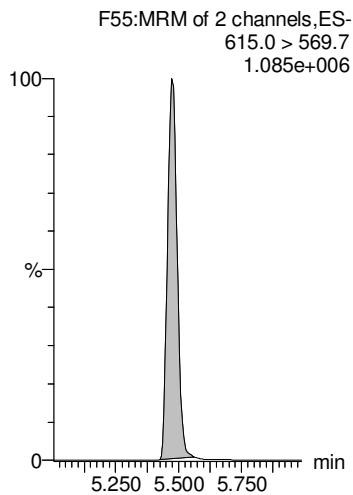
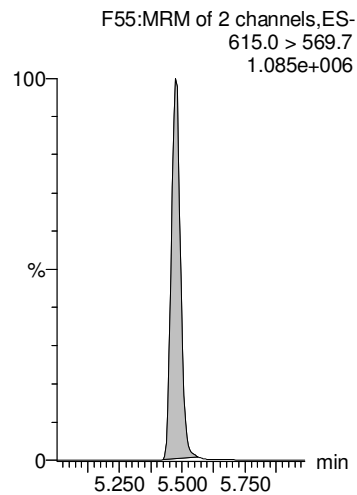
**13C2-PFD<sub>o</sub>A**

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

**13C2-PFT<sub>e</sub>DA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-34.qld

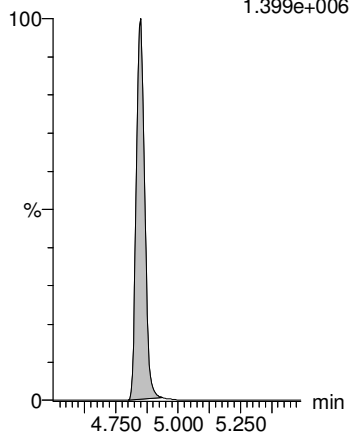
Last Altered: Tuesday, August 21, 2018 12:32:09 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:32:25 Pacific Daylight Time

Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128, Description: Charlies Pasture-DW-072518

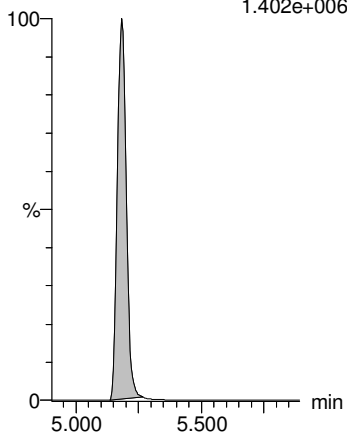
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.399e+006



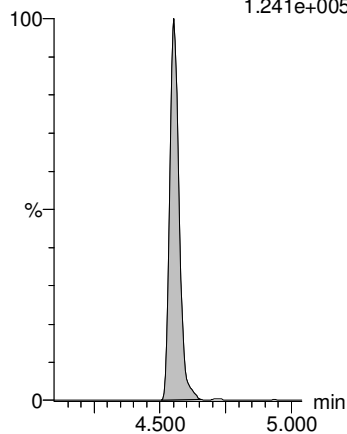
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.402e+006



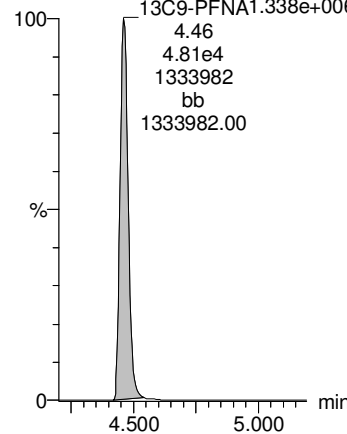
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.241e+005



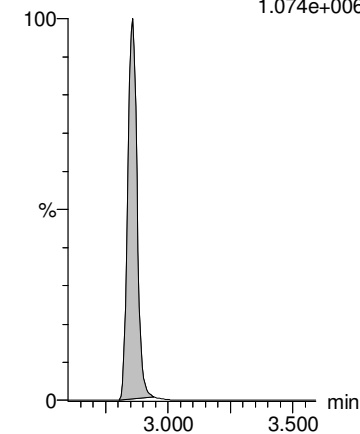
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.338e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.074e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1.29e2	1.96e4	0.237	0.000	1.08	1.08	0.0820	0.4108			
2	2 PFPeA	263.1 > 218.9		2.77e4	0.237		2.04						
3	3 PFBS	299.0 > 79.7	1.75e0	2.97e3	0.237	0.000	2.34	2.35	0.00734	0.3180		0.557	YES
4	5 PFHxA	313 > 269		1.73e4	0.237		2.86						
5	7 PFHpA	363.0 > 318.9		2.46e4	0.237		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.96e4	2.62e4	0.237	0.749	1.16	1.08	9.36	48.0041	91.1		
7	37 13C3-PFPeA	266. > 221.8	2.77e4	4.86e4	0.237	0.571	2.14	2.04	7.13	61.8836	117.4		
8	38 13C3-PFBS	302. > 98.8	2.97e3	4.86e4	0.237	0.0612	2.44	2.34	0.765	64.1707	121.8		
9	40 13C2-PFHxA	315 > 270	1.73e4	4.86e4	0.237	0.893	2.95	2.86	4.47	19.3226	91.7		
10	41 13C4-PFHpA	367.2 > 321.8	2.46e4	4.86e4	0.237	0.507	3.56	3.48	6.34	43.6446	82.8		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	1.49e1	2.42e3	0.237	0.000	3.51	3.63	0.0769	0.2463		1.269	NO
13	68 Total PFHxS	398.9 > 79.6	1.49e1	2.42e3	0.237		3.65		0.0769	0.2463			
14	11 L-PFOA	412.9 > 368.9	3.46e2	3.76e4	0.237	0.000	4.00	4.01	0.115	0.3392		2.680	NO
15	69 Total PFOA	412.9 > 368.9	3.46e2	3.76e4	0.237		4.48		0.115	0.3392			
16	15 PFOSA	498 > 77.9		3.83e3	0.237		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.42e3	5.68e3	0.237	0.426	3.72	3.64	5.32	46.4107	88.1		
18	42 18O2-PFHxS	403.0 > 102.6	2.42e3	5.68e3	0.237	0.426	3.72	3.64	5.32	46.4107	88.1		
19	44 13C2-PFOA	414.9 > 369.7	3.76e4	5.20e4	0.237	0.724	4.09	4.01	9.04	46.4617	88.2		
20	44 13C2-PFOA	414.9 > 369.7	3.76e4	5.20e4	0.237	0.724	4.09	4.01	9.04	46.4617	88.2		
21	46 13C8-PFOSA	506.1 > 77.7	3.83e3	5.21e4	0.237	0.0736	4.60	4.52	0.920	22.0831	41.9		H
22	-1												
23	14 PFNA	463.0 > 418.8		3.73e4	0.237		4.54						
24	16 L-PFOS	498.9 > 79.9	3.36e0	6.06e3	0.237	0.000	4.63	4.44	0.00693	0.1449		0.762	YES
25	70 Total PFOS	498.9 > 79.9	3.36e0	6.06e3	0.237		4.60		0.00693	0.1449			
26	18 PFDA	513 > 468.8	6.62e1	3.19e4	0.237	0.000	4.92	4.84	0.0259	0.1266		10.442	YES
27	25 PFUdA	563.0 > 518.9	9.03e1	3.48e4	0.237	0.000	5.25	5.18	0.0324	0.0450		51.388	YES
28	45 13C5-PFNA	468.2 > 422.9	3.73e4	4.70e4	0.237	0.793	4.54	4.46	9.92	42.9789	81.5		
29	47 13C8-PFOS	507.0 > 79.9	6.06e3	6.43e3	0.237	0.942	4.63	4.55	11.8	47.2121	89.6		
30	47 13C8-PFOS	507.0 > 79.9	6.06e3	6.43e3	0.237	0.942	4.63	4.55	11.8	47.2121	89.6		
31	48 13C2-PFDA	515.1 > 469.9	3.19e4	5.09e4	0.237	0.627	4.92	4.85	7.83	34.5018	65.5		
32	51 13C2-PFUdA	565 > 519.8	3.48e4	5.21e4	0.237	0.668	5.25	5.18	8.35	35.8266	68.0		
33	-1												
34	21 L-MeFOSAA	570 > 419		7.72e3	0.237		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	7.72e3	0.237		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		8.57e3	0.237		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72	Total N-EtFOSAA	584.1 > 419	0.00e0	8.57e3	0.237		5.23		0.000			
38	26	PFDS	598.8 > 79.9		6.06e3	0.237		5.30					
39	50	d3-N-MeFOSAA	573.3 > 419	7.72e3	5.21e4	0.237	0.148	5.08	5.00	1.85	32.3715	61.4	
40	50	d3-N-MeFOSAA	573.3 > 419	7.72e3	5.21e4	0.237	0.148	5.08	5.00	1.85	32.3715	61.4	
41	52	d5-N-EtFOSAA	589.3 > 419	8.57e3	5.21e4	0.237	0.165	5.23	5.16	2.06	33.1085	62.8	
42	52	d5-N-EtFOSAA	589.3 > 419	8.57e3	5.21e4	0.237	0.165	5.23	5.16	2.06	33.1085	62.8	
43	51	13C2-PFUdA	565 > 519.8	3.48e4	5.21e4	0.237	0.668	5.25	5.18	8.35	35.8266	68.0	
44	-1												
45	27	PFDoA	612.9 > 569.0		3.66e4	0.237		5.54					
46	29	PFTTrDA	662.9 > 618.9		3.66e4	0.237		5.79					
47	30	PFTeDA	712.8 > 669.0	7.08e1	3.02e4	0.237	0.000	6.01	5.96	0.0293	0.1458	21.533	YES
48	73	TCDA	498.3 > 106.9			0.237		5.11					
49	60	13C4-PFBA	217. > 172	2.62e4	2.62e4	0.237	1.00	1.15	1.07	12.5	52.7048	100.0	
50	53	13C2-PFDoA	615.0 > 569.7	3.66e4	5.09e4	0.237	0.718	5.54	5.47	8.98	34.9607	66.3	
51	53	13C2-PFDoA	615.0 > 569.7	3.66e4	5.09e4	0.237	0.718	5.54	5.47	8.98	34.9607	66.3	
52	55	13C2-PFTeDA	714.8 > 669.6	3.02e4	5.21e4	0.237	0.580	6.01	5.96	7.25	39.3596	74.7	
53	47	13C8-PFOS	507.0 > 79.9	6.06e3	6.43e3	0.237	0.942	4.63	4.55	11.8	47.2121	89.6	
54	62	13C3-PFHxS	401.8 > 79.9	5.68e3	5.68e3	0.237	1.00	3.72	3.64	12.5	52.7048	100.0	
55	-1												
56	66	13C6-PFDA	519.1 > 473.7	5.09e4	5.09e4	0.237	1.00	4.92	4.85	12.5	52.7048	100.0	
57	67	13C7-PFUdA	570.1 > 524.8	5.21e4	5.21e4	0.237	1.00	5.25	5.18	12.5	52.7048	100.0	
58	65	13C4-PFOS	503 > 79.9	6.43e3	6.43e3	0.237	1.00	4.63	4.55	12.5	52.7048	100.0	
59	64	13C9-PFNA	472.2 > 426.9	4.70e4	4.70e4	0.237	1.00	4.54	4.46	12.5	52.7048	100.0	
60	61	13C5-PFHxA	318 > 272.9	4.86e4	4.86e4	0.237	1.00	2.95	2.86	12.5	52.7048	100.0	

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

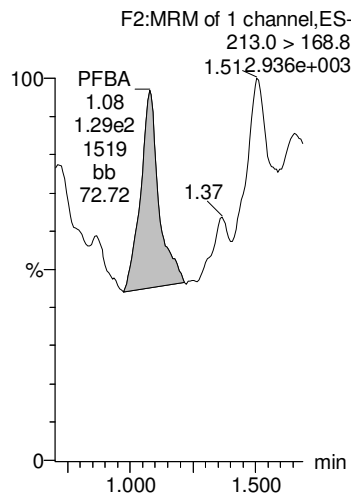
Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

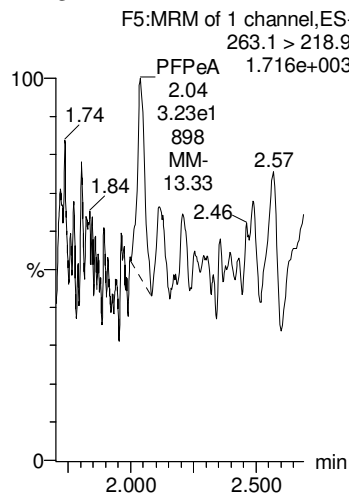
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

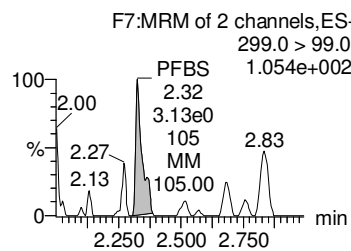
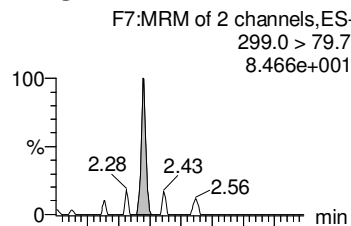
**PFBA**



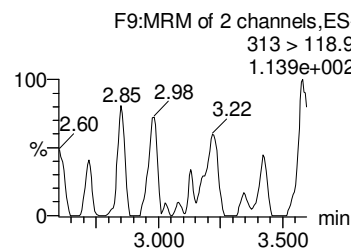
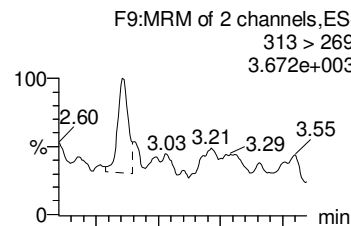
**PFPeA**



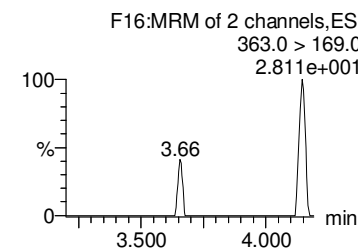
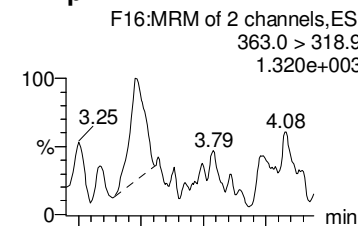
**PFBS**



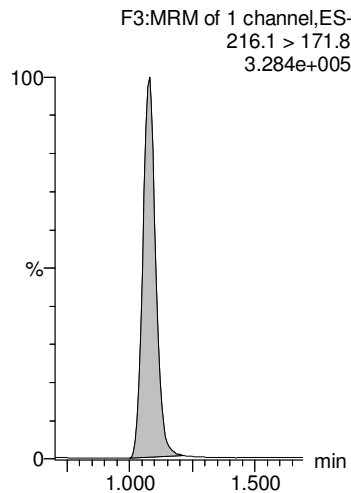
**PFHxA**



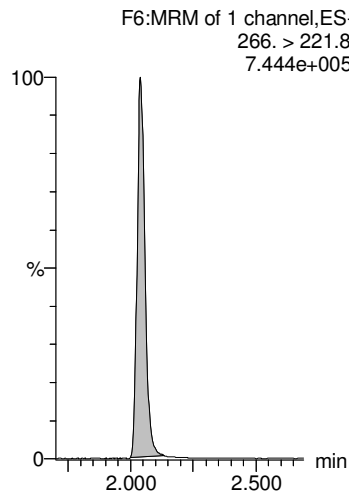
**PFHpA**



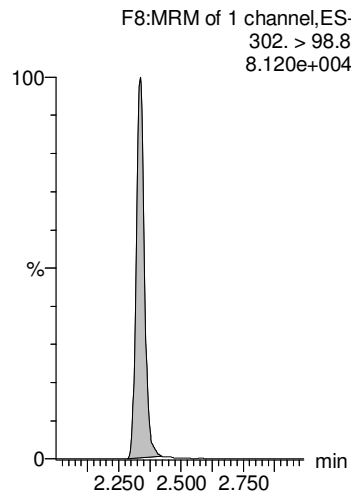
**13C3-PFBA**



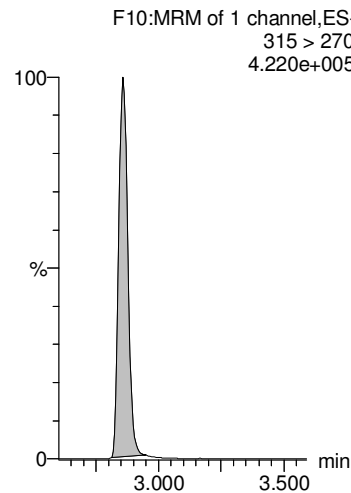
**13C3-PFPeA**



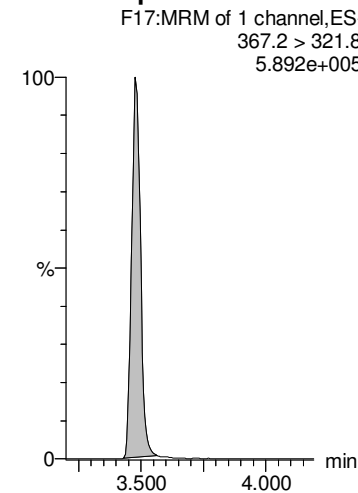
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

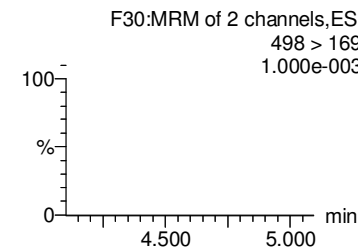
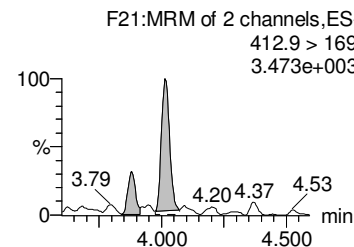
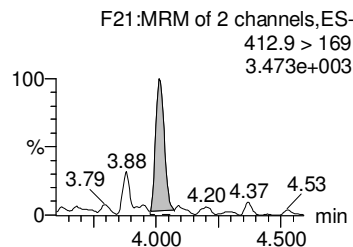
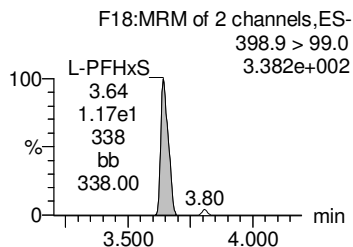
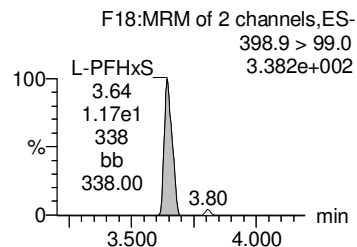
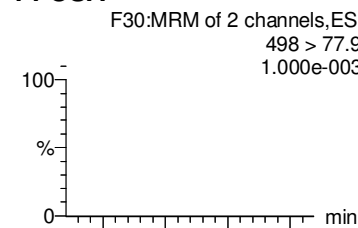
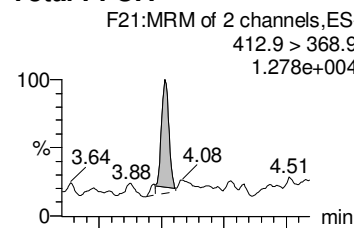
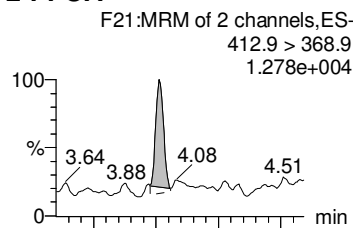
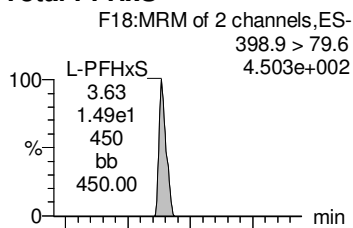
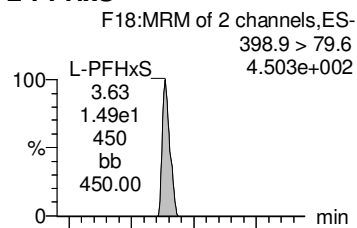
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



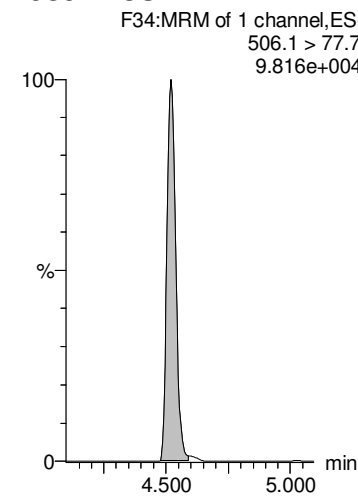
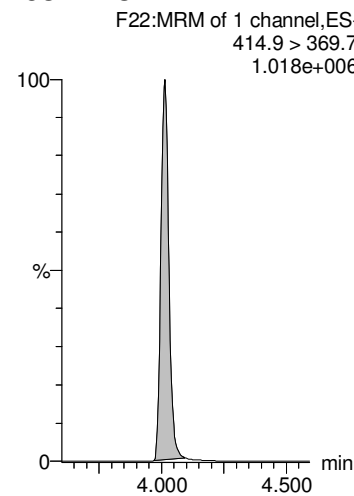
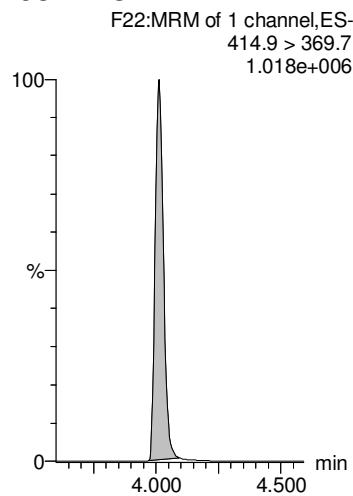
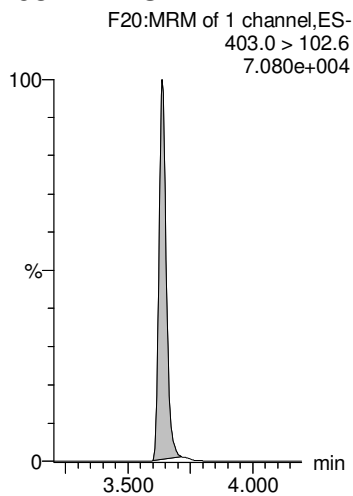
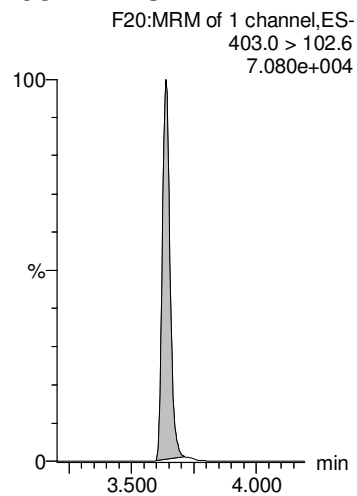
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

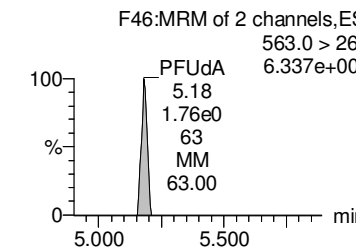
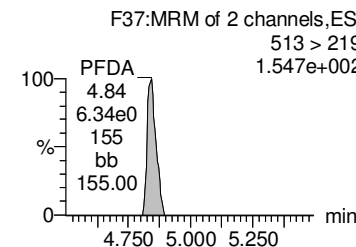
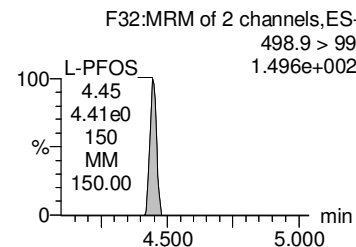
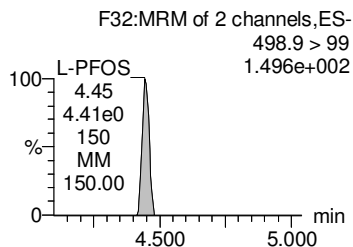
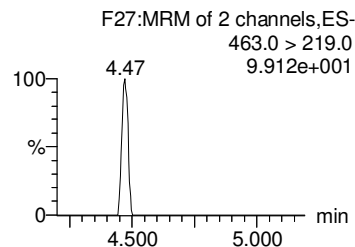
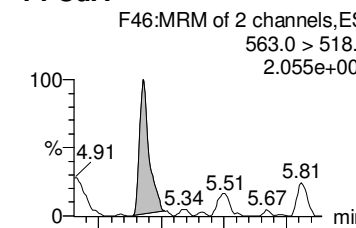
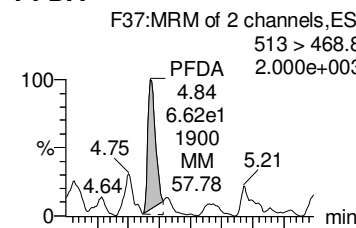
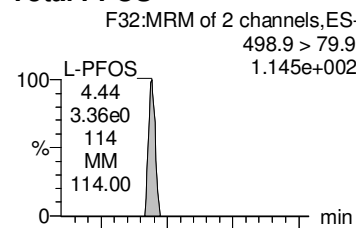
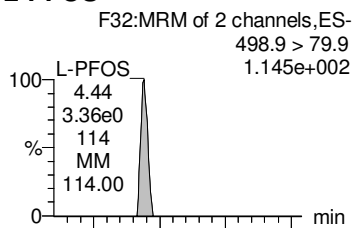
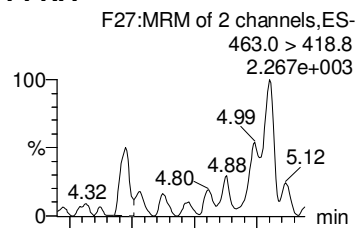
**PFNA**

**L-PFOS**

**Total PFOS**

**PFDA**

**PFUdA**



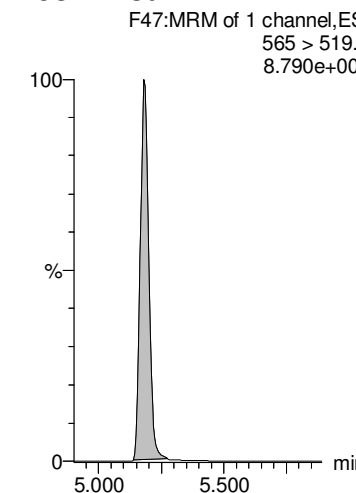
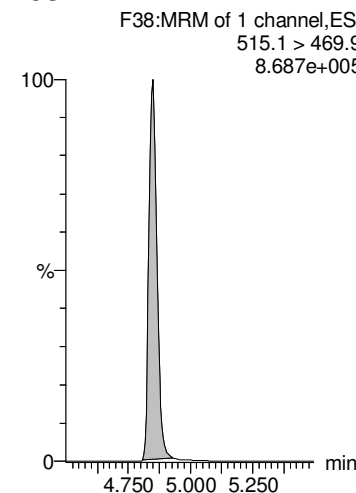
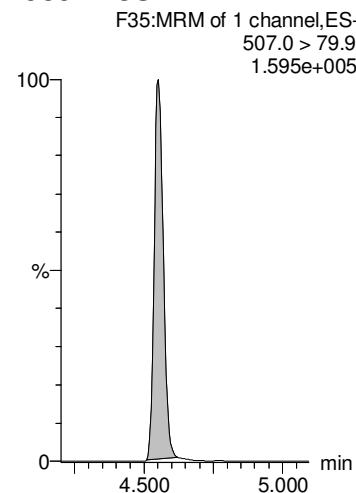
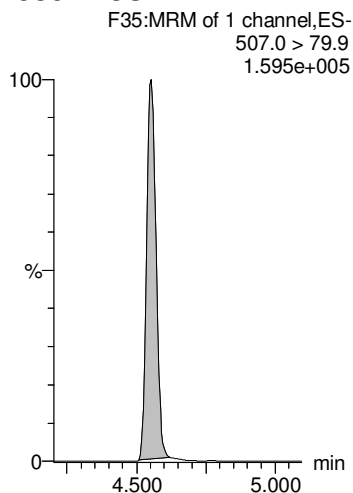
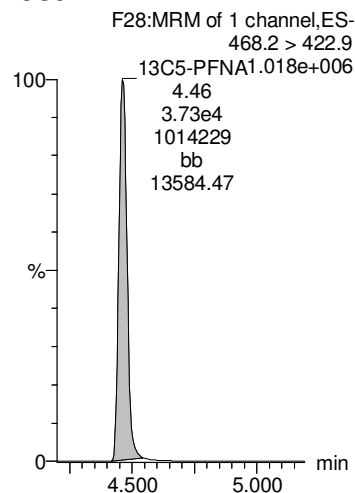
**13C5-PFNA**

**13C8-PFOS**

**13C8-PFOS**

**13C2-PFDA**

**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

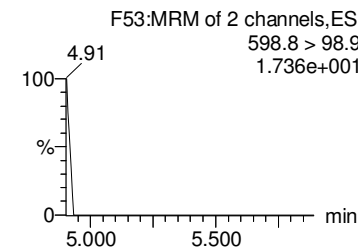
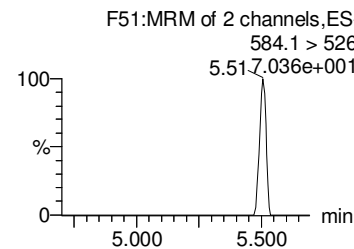
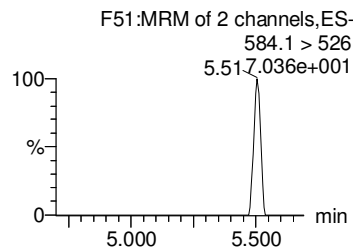
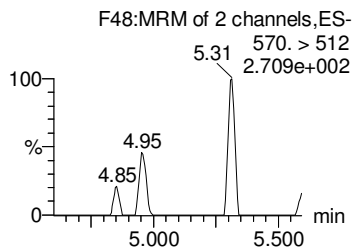
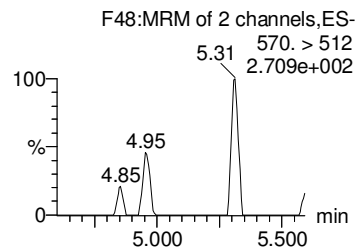
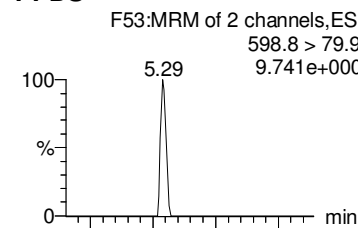
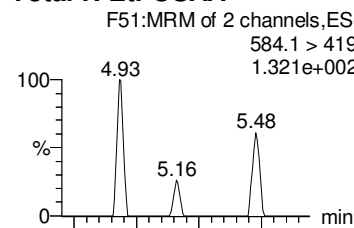
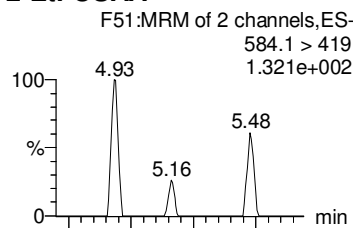
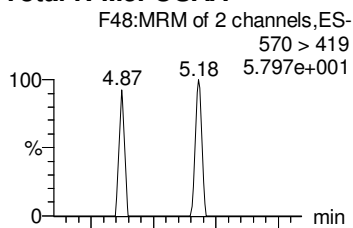
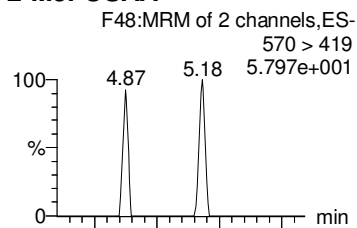
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



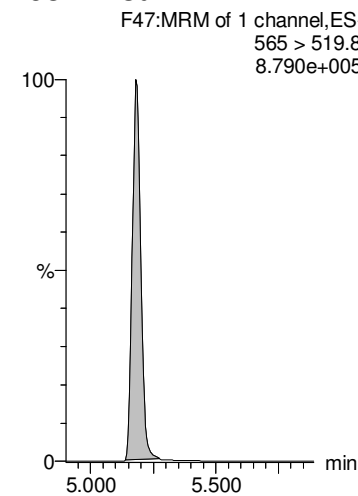
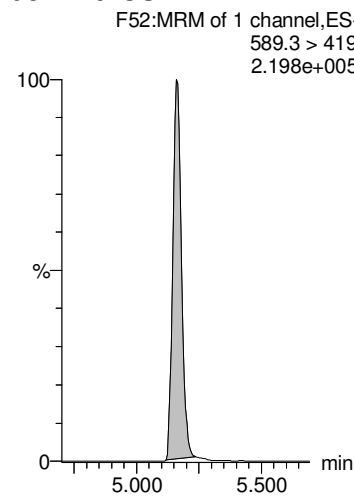
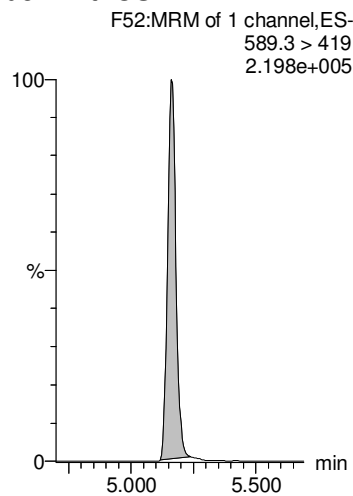
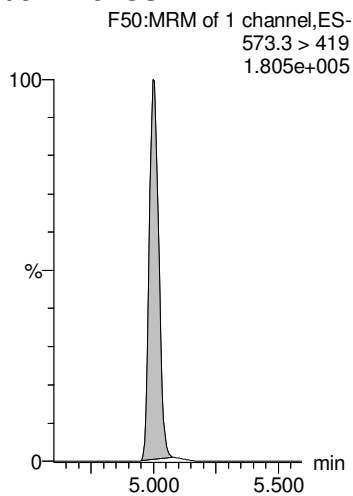
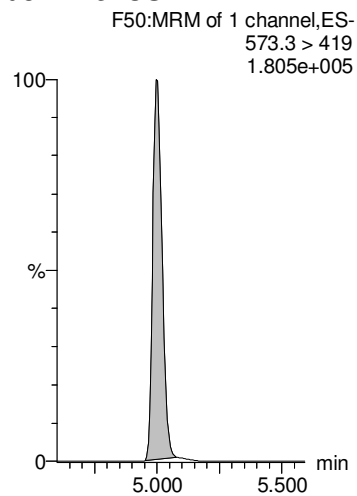
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

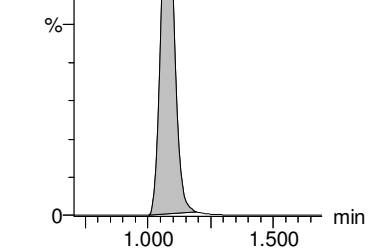
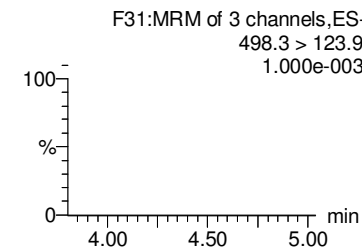
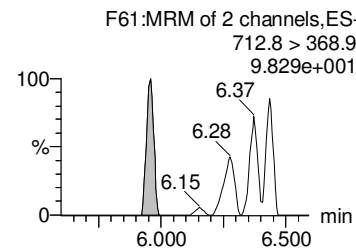
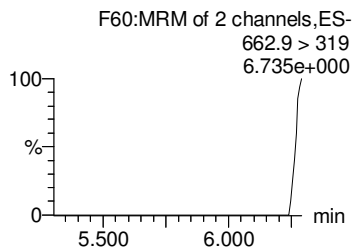
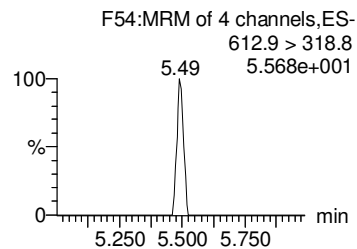
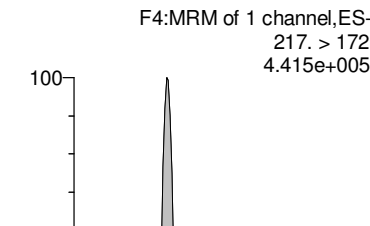
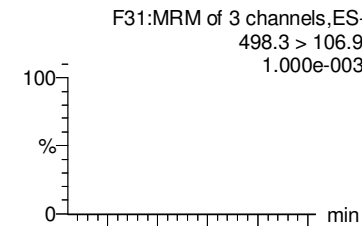
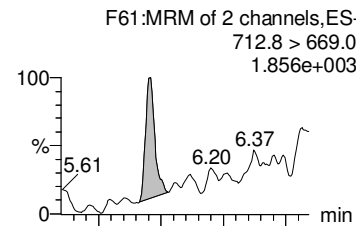
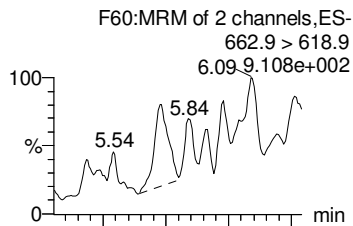
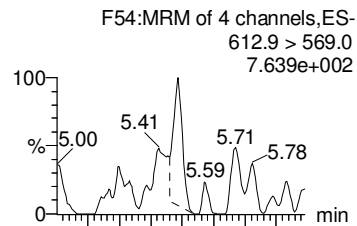
**PFDoA**

**PFTrDA**

**PFTeDA**

**TCDA**

**13C4-PFBA**



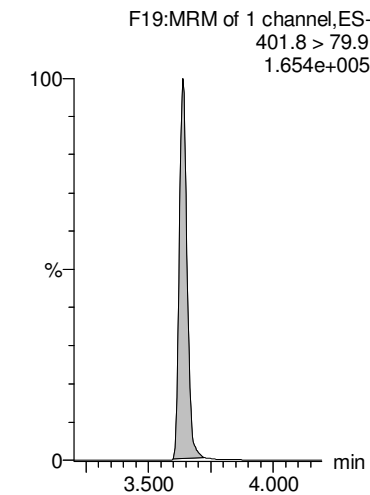
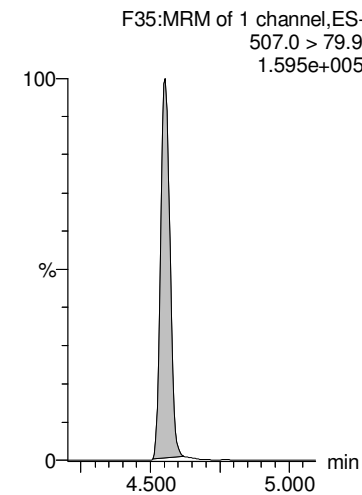
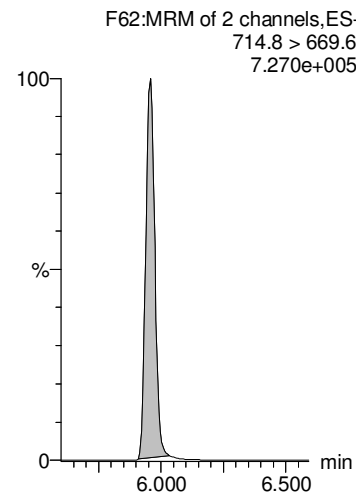
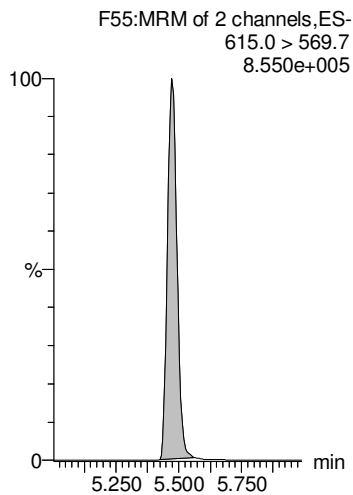
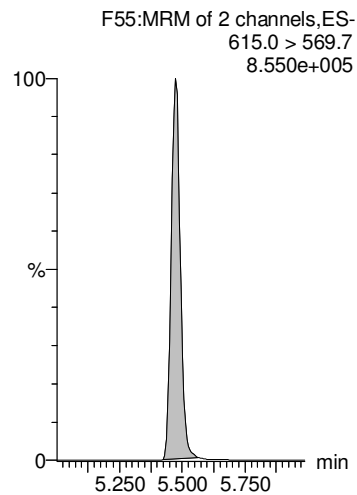
**13C2-PFDoA**

**13C2-PFDoA**

**13C2-PFTeDA**

**13C8-PFOS**

**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-35.qld

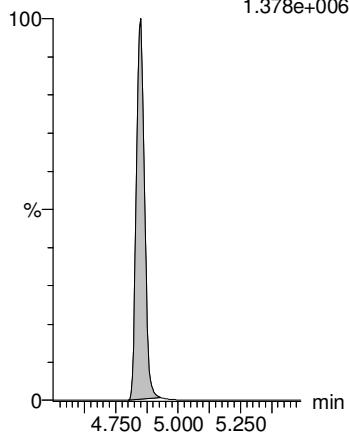
Last Altered: Tuesday, August 21, 2018 12:35:08 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:35:28 Pacific Daylight Time

Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518

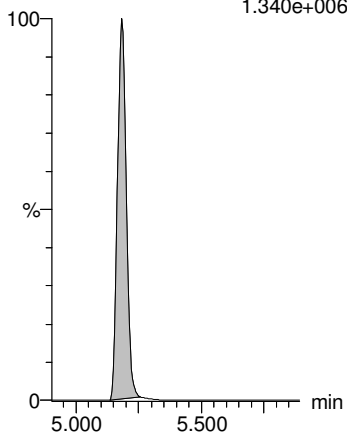
13C6-PFDA

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.378e+006



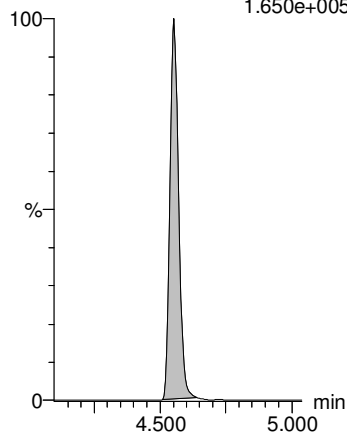
13C7-PFUdA

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.340e+006



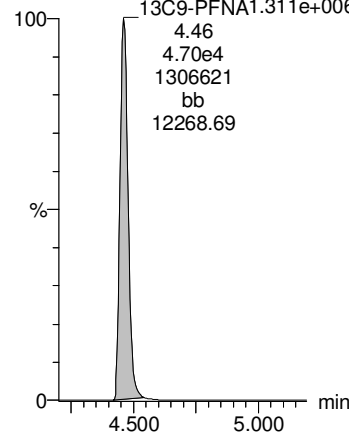
13C4-PFOS

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.650e+005



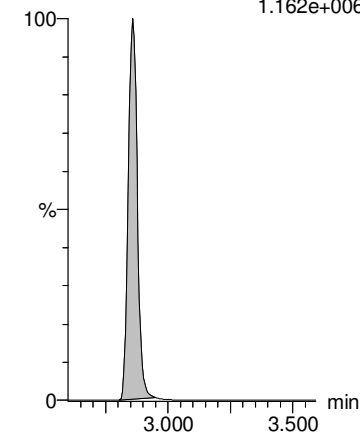
13C9-PFNA

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.311e+006



13C5-PFHxA

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.162e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	2.13e4	2.01e4	0.243	0.000	1.08	1.08	13.2	47.3839			
2	2 PFPeA	263.1 > 218.9	6.10e4	2.83e4	0.243	0.000	2.04	2.04	26.9	116.1971			
3	3 PFBS	299.0 > 79.7	3.29e3	3.42e3	0.243	0.000	2.33	2.34	12.0	24.9029		2.785	NO
4	5 PFHxA	313 > 269	1.29e5	1.72e4	0.243	0.000	2.86	2.86	37.4	160.4903		15.343	NO
5	7 PFHpA	363.0 > 318.9	3.03e4	2.63e4	0.243	0.000	3.48	3.48	14.4	53.0766		22.588	NO
6	36 13C3-PFBA	216.1 > 171.8	2.01e4	2.87e4	0.243	0.701	1.16	1.08	8.76	43.8926	85.3		
7	37 13C3-PFPeA	266. > 221.8	2.83e4	5.25e4	0.243	0.540	2.14	2.04	6.75	57.1994	111.1		
8	38 13C3-PFBS	302. > 98.8	3.42e3	5.25e4	0.243	0.0651	2.44	2.33	0.814	66.6648	129.5		
9	40 13C2-PFHxA	315 > 270	1.72e4	5.25e4	0.243	0.819	2.95	2.86	4.10	17.3139	84.1		
10	41 13C4-PFHpA	367.2 > 321.8	2.63e4	5.25e4	0.243	0.501	3.56	3.48	6.26	42.1403	81.9		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	1.45e4	2.59e3	0.243	0.000	3.51	3.64	70.1	165.8559		1.803	NO
13	68 Total PFHxS	398.9 > 79.6	1.45e4	2.59e3	0.243		3.65		70.1	165.8559			
14	11 L-PFOA	412.9 > 368.9	4.99e4	4.18e4	0.243	0.000	4.00	4.01	14.9	60.8582		2.417	NO
15	69 Total PFOA	412.9 > 368.9	4.99e4	4.18e4	0.243		4.48		14.9	60.8582			
16	15 PFOSA	498 > 77.9		5.06e3	0.243		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.59e3	6.55e3	0.243	0.396	3.72	3.64	4.95	42.1392	81.9		
18	42 18O2-PFHxS	403.0 > 102.6	2.59e3	6.55e3	0.243	0.396	3.72	3.64	4.95	42.1392	81.9		
19	44 13C2-PFOA	414.9 > 369.7	4.18e4	6.09e4	0.243	0.686	4.09	4.01	8.57	43.0203	83.6		
20	44 13C2-PFOA	414.9 > 369.7	4.18e4	6.09e4	0.243	0.686	4.09	4.01	8.57	43.0203	83.6		
21	46 13C8-PFOSA	506.1 > 77.7	5.06e3	6.29e4	0.243	0.0804	4.60	4.52	1.01	23.5764	45.8		H
22	-1												
23	14 PFNA	463.0 > 418.8	3.61e3	4.32e4	0.243	0.000	4.54	4.46	1.04	3.7544		5.194	NO
24	16 L-PFOS	498.9 > 79.9	7.03e3	6.62e3	0.243	0.000	4.63	4.55	13.3	59.2493		1.823	NO
25	70 Total PFOS	498.9 > 79.9	7.03e3	6.62e3	0.243		4.60		13.3	59.2493			
26	18 PFDA	513 > 468.8	1.25e2	3.90e4	0.243	0.000	4.92	4.85	0.0400	0.1701		12.477	YES
27	25 PFUdA	563.0 > 518.9	1.13e2	4.52e4	0.243	0.000	5.25	5.19	0.0314	0.0394		10.995	NO
28	45 13C5-PFNA	468.2 > 422.9	4.32e4	5.66e4	0.243	0.763	4.54	4.46	9.54	40.3914	78.5		
29	47 13C8-PFOS	507.0 > 79.9	6.62e3	7.57e3	0.243	0.875	4.63	4.55	10.9	42.8213	83.2		
30	47 13C8-PFOS	507.0 > 79.9	6.62e3	7.57e3	0.243	0.875	4.63	4.55	10.9	42.8213	83.2		
31	48 13C2-PFDA	515.1 > 469.9	3.90e4	5.95e4	0.243	0.655	4.92	4.85	8.19	35.2463	68.5		
32	51 13C2-PFUdA	565 > 519.8	4.52e4	6.29e4	0.243	0.720	5.25	5.18	9.00	37.6838	73.2		
33	-1												
34	21 L-MeFOSAA	570 > 419		1.08e4	0.243		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	1.08e4	0.243		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		1.19e4	0.243		5.24						AD 8/21/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	1.19e4	0.243		5.23		0.000				
38	26 PFDS	598.8 > 79.9		6.62e3	0.243		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	1.08e4	6.29e4	0.243	0.172	5.08	5.00	2.15	36.7139	71.3		
40	50 d3-N-MeFOSAA	573.3 > 419	1.08e4	6.29e4	0.243	0.172	5.08	5.00	2.15	36.7139	71.3		
41	52 d5-N-EtFOSAA	589.3 > 419	1.19e4	6.29e4	0.243	0.189	5.23	5.16	2.36	37.0737	72.0		
42	52 d5-N-EtFOSAA	589.3 > 419	1.19e4	6.29e4	0.243	0.189	5.23	5.16	2.36	37.0737	72.0		
43	51 13C2-PFUdA	565 > 519.8	4.52e4	6.29e4	0.243	0.720	5.25	5.18	9.00	37.6838	73.2		
44	-1												
45	27 PFDoA	612.9 > 569.0		4.60e4	0.243		5.54						
46	29 PFTrDA	662.9 > 618.9		4.60e4	0.243		5.79						
47	30 PFTeDA	712.8 > 669.0	7.59e1	3.96e4	0.243	0.000	6.01	5.96	0.0239	0.1251		7.851	YES
48	73 TCDA	498.3 > 106.9			0.243		5.11						
49	60 13C4-PFBA	217. > 172	2.87e4	2.87e4	0.243	1.00	1.15	1.07	12.5	51.4763	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	4.60e4	5.95e4	0.243	0.772	5.54	5.47	9.66	36.7227	71.3		
51	53 13C2-PFDoA	615.0 > 569.7	4.60e4	5.95e4	0.243	0.772	5.54	5.47	9.66	36.7227	71.3		
52	55 13C2-PFTeDA	714.8 > 669.6	3.96e4	6.29e4	0.243	0.631	6.01	5.96	7.88	41.7787	81.2		
53	47 13C8-PFOS	507.0 > 79.9	6.62e3	7.57e3	0.243	0.875	4.63	4.55	10.9	42.8213	83.2		
54	62 13C3-PFHxS	401.8 > 79.9	6.55e3	6.55e3	0.243	1.00	3.72	3.64	12.5	51.4763	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	5.95e4	5.95e4	0.243	1.00	4.92	4.85	12.5	51.4763	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	6.29e4	6.29e4	0.243	1.00	5.25	5.18	12.5	51.4763	100.0		
58	65 13C4-PFOS	503 > 79.9	7.57e3	7.57e3	0.243	1.00	4.63	4.55	12.5	51.4763	100.0		
59	64 13C9-PFNA	472.2 > 426.9	5.66e4	5.66e4	0.243	1.00	4.54	4.46	12.5	51.4763	100.0		
60	61 13C5-PFHxA	318 > 272.9	5.25e4	5.25e4	0.243	1.00	2.95	2.86	12.5	51.4763	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

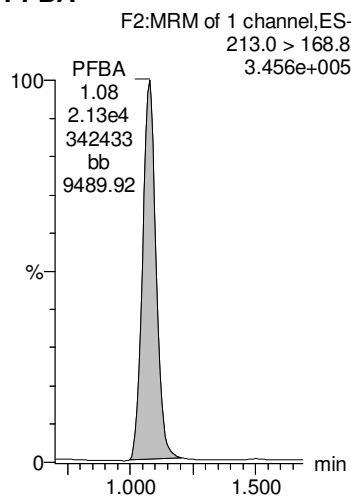
Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

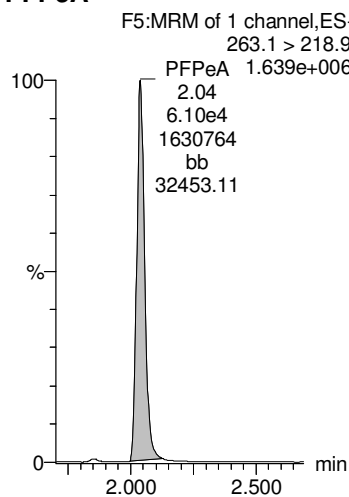
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

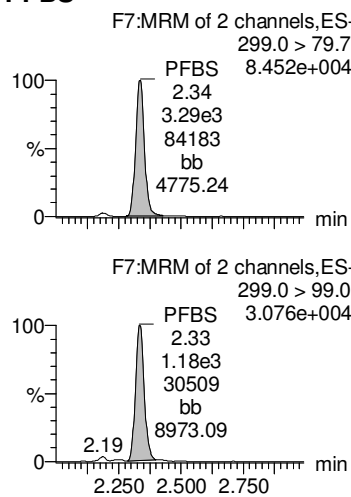
**PFBA**



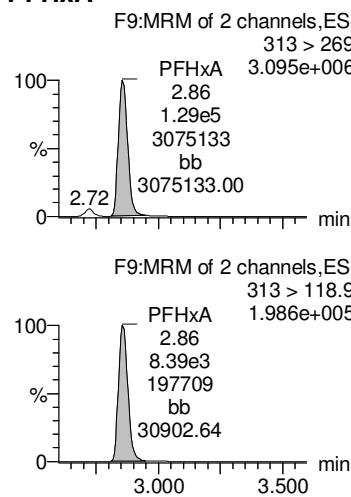
**PFPeA**



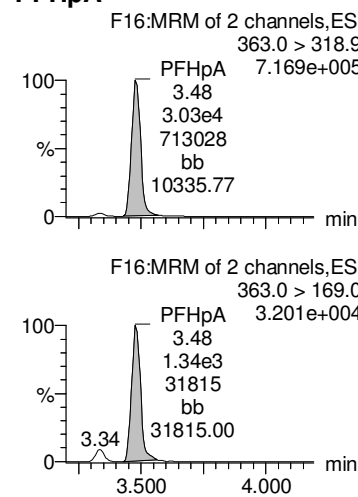
**PFBS**



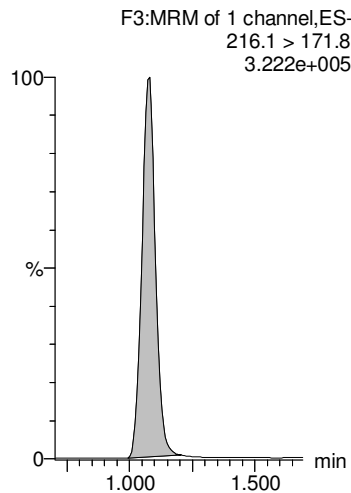
**PFHxA**



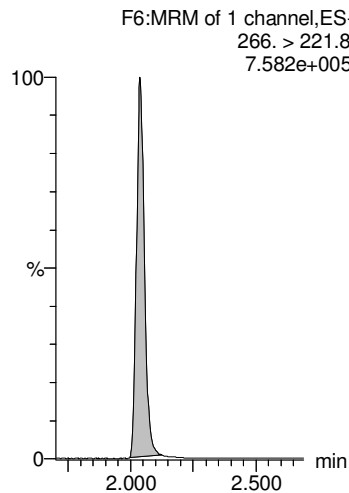
**PFHpA**



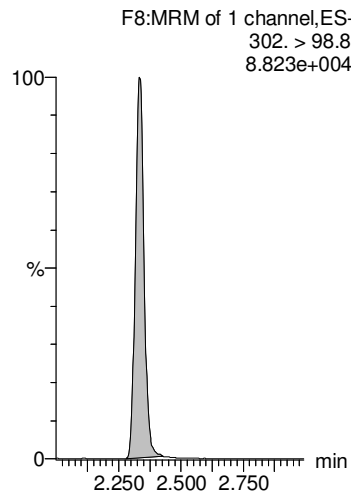
**13C3-PFBA**



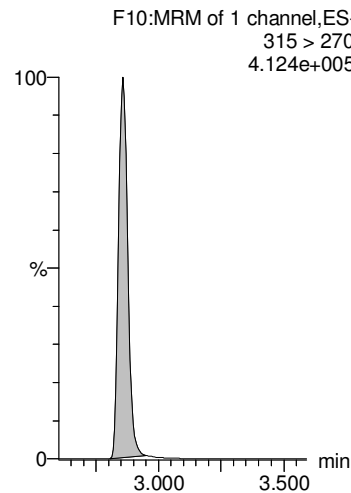
**13C3-PFPeA**



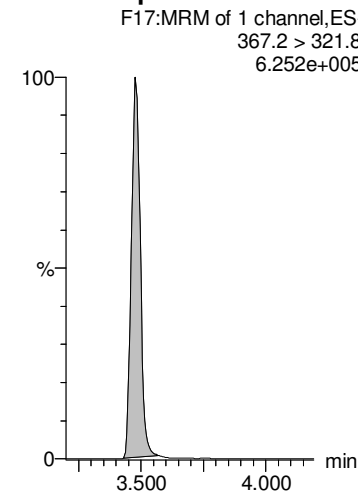
**13C3-PFBS**



**13C2-PFHxA**



**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

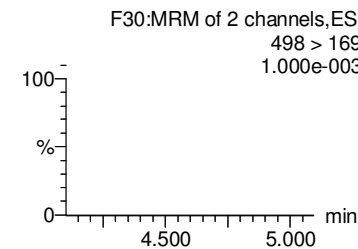
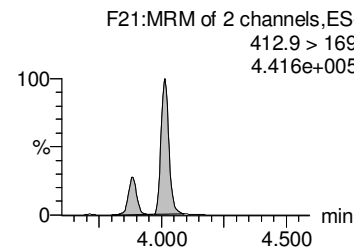
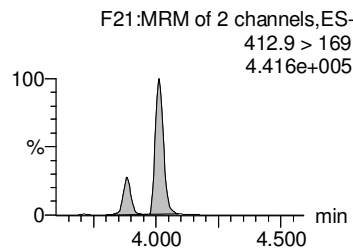
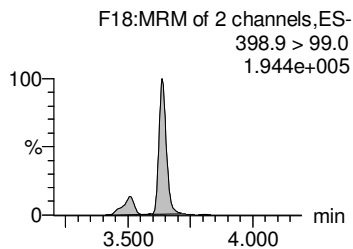
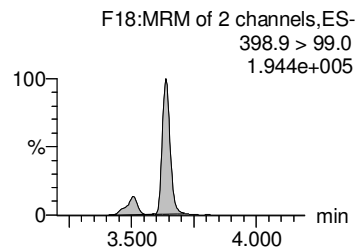
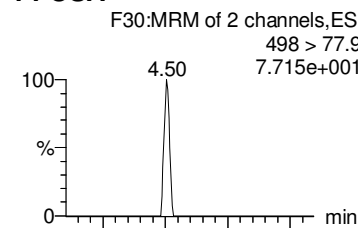
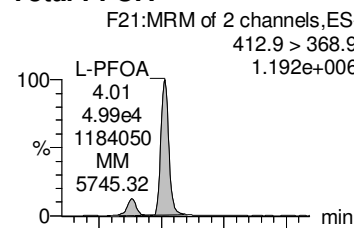
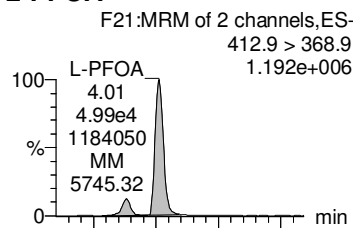
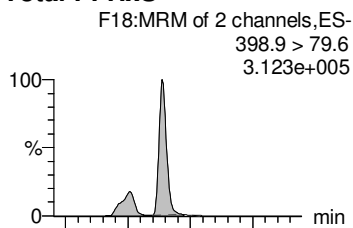
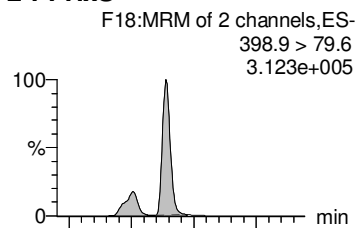
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



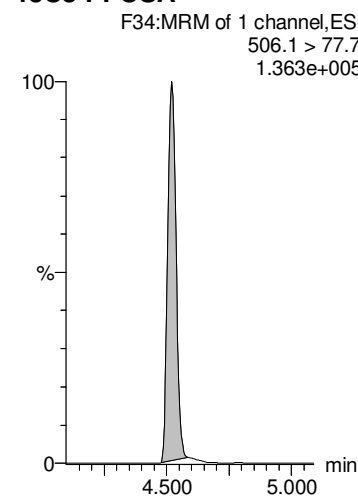
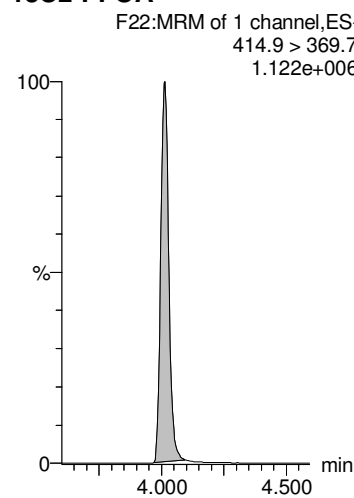
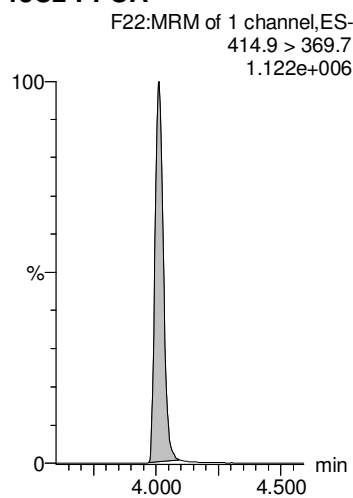
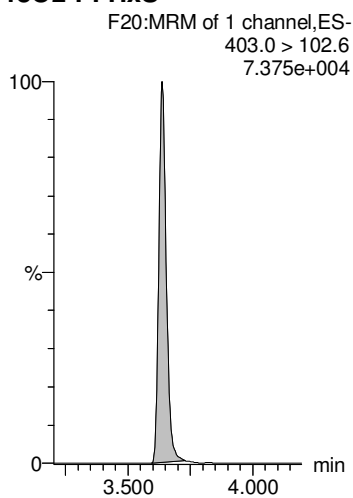
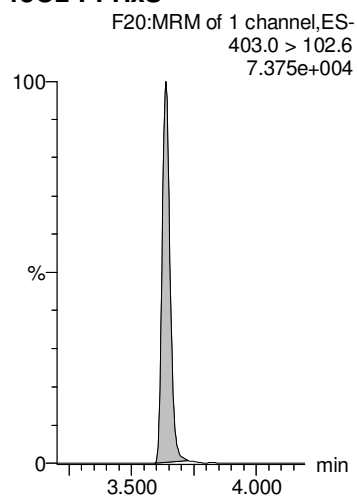
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**





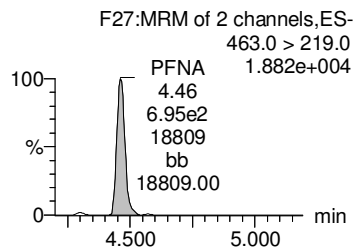
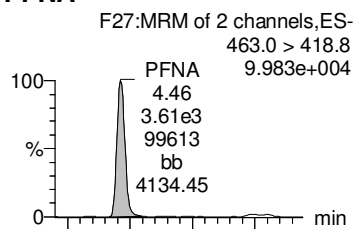
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

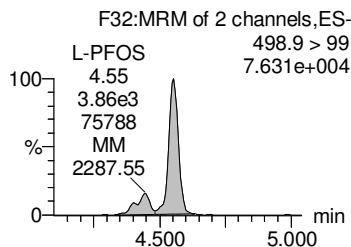
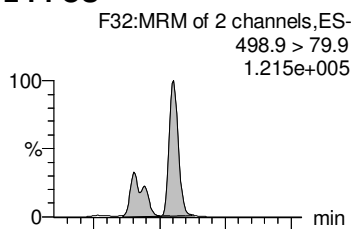
Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

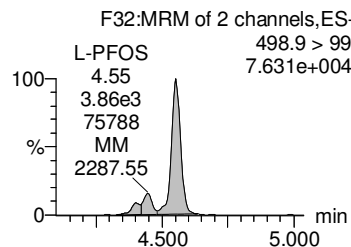
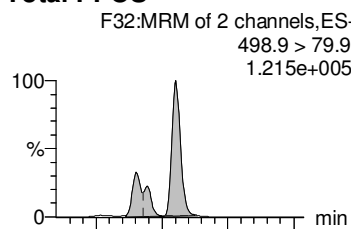
**PFNA**



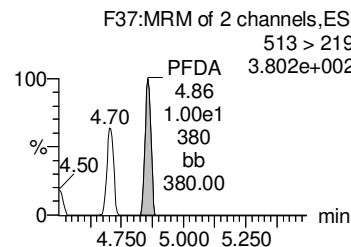
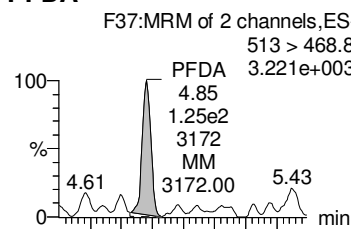
**L-PFOS**



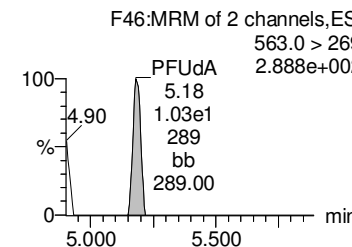
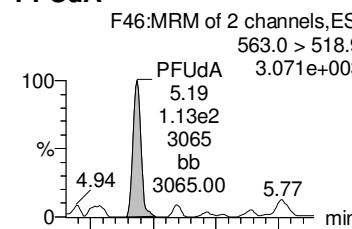
**Total PFOS**



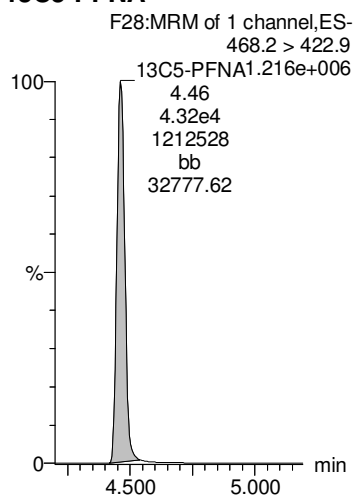
**PFDA**



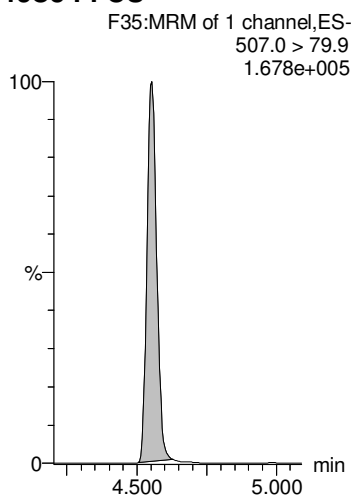
**PFUdA**



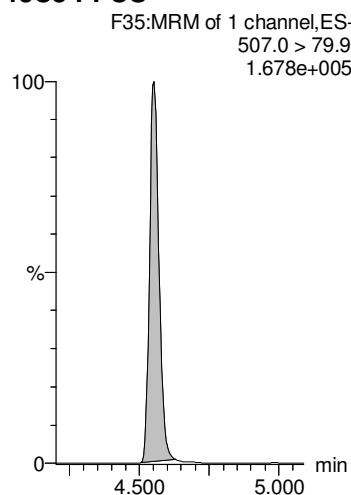
**13C5-PFNA**



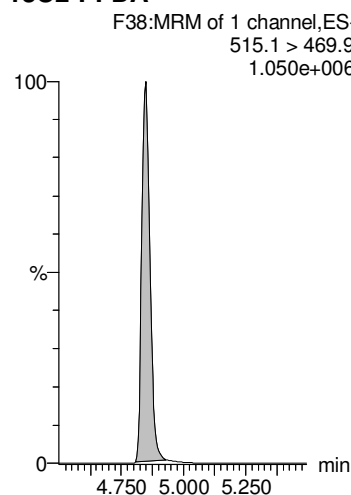
**13C8-PFOS**



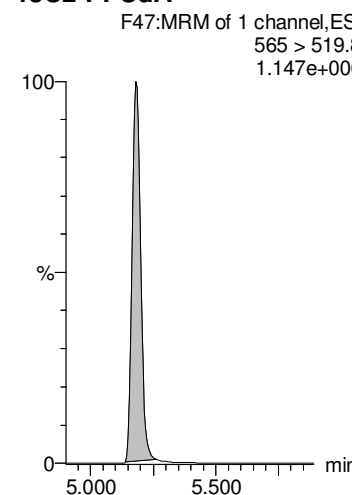
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

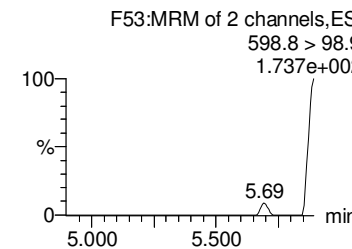
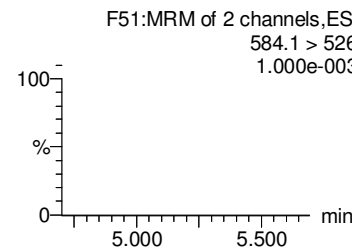
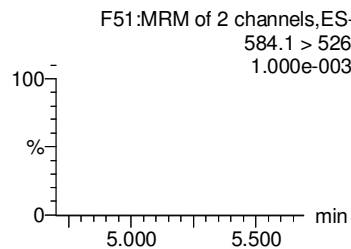
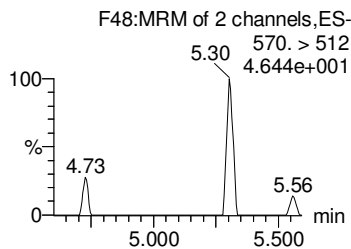
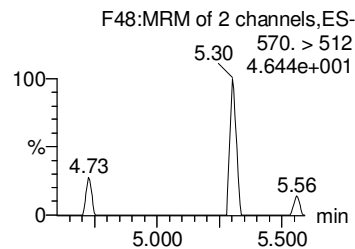
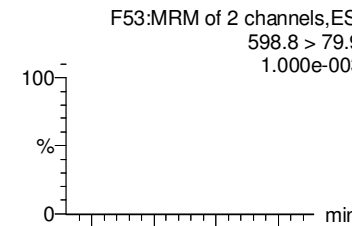
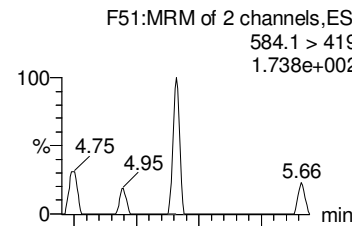
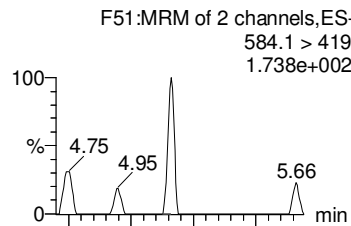
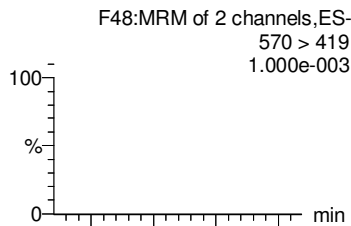
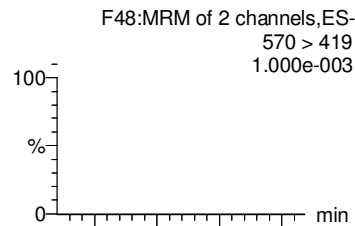
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



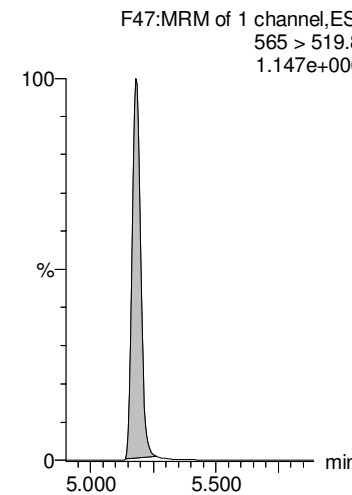
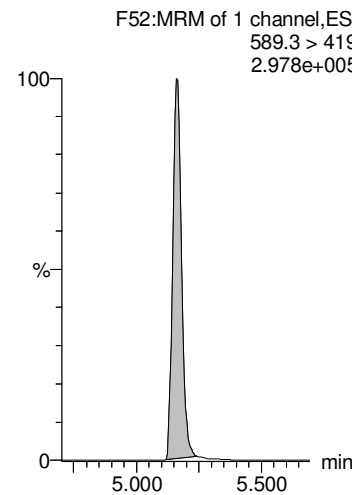
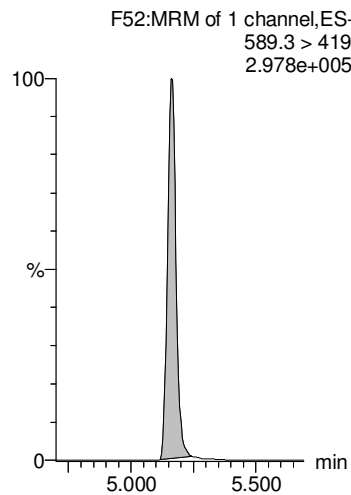
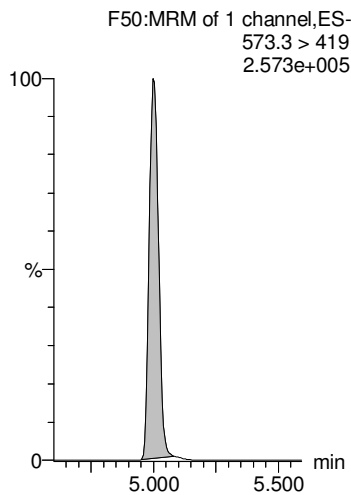
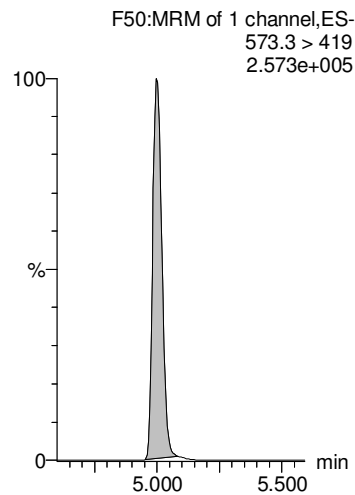
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

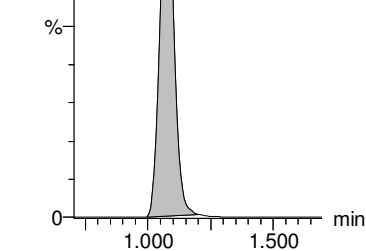
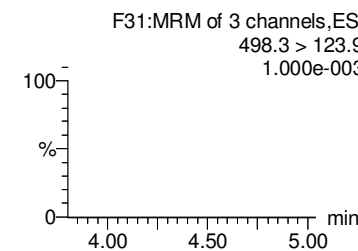
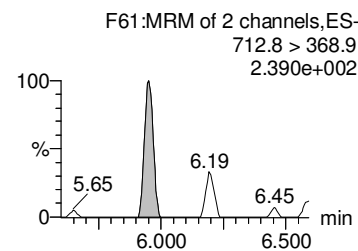
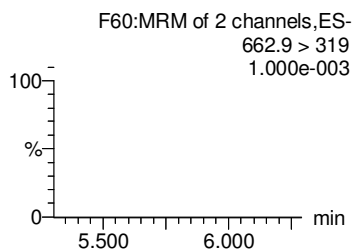
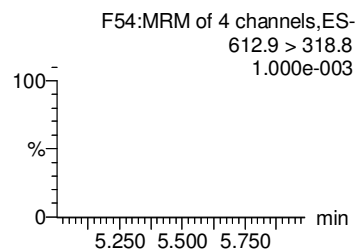
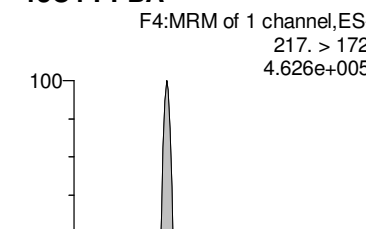
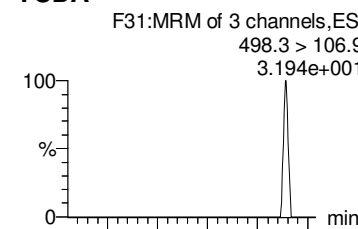
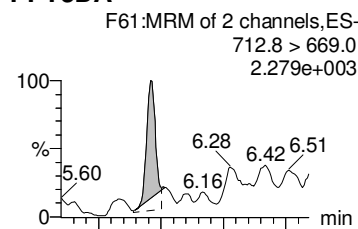
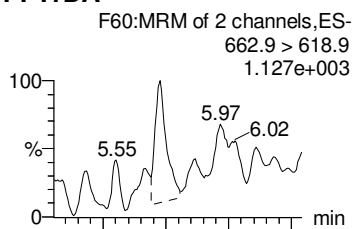
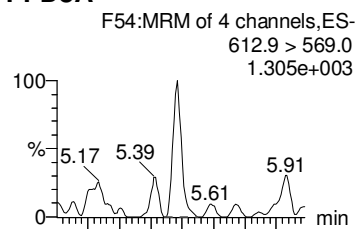
**PFD<sub>o</sub>A**

**PFT<sub>r</sub>DA**

**PFT<sub>e</sub>DA**

**TCDA**

**13C<sub>4</sub>-PFBA**



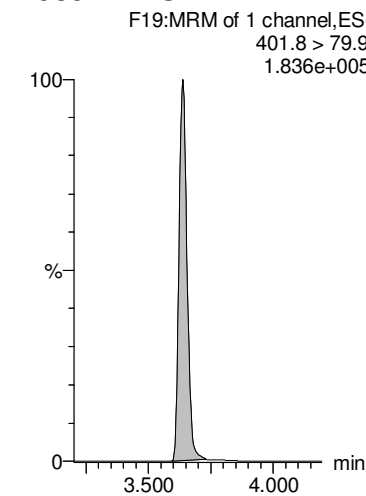
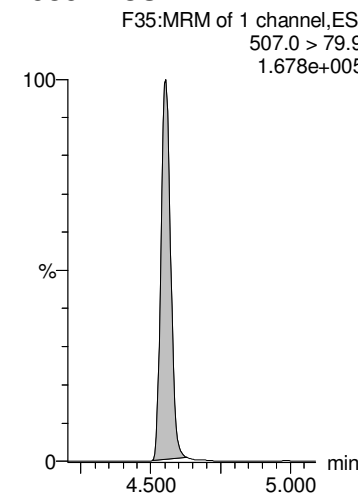
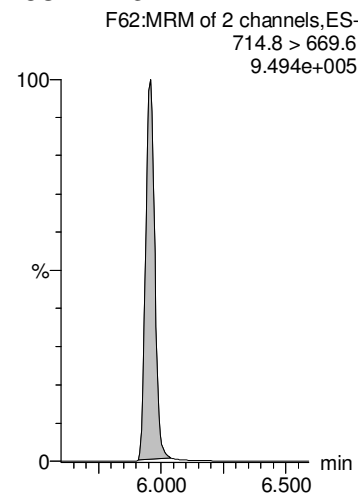
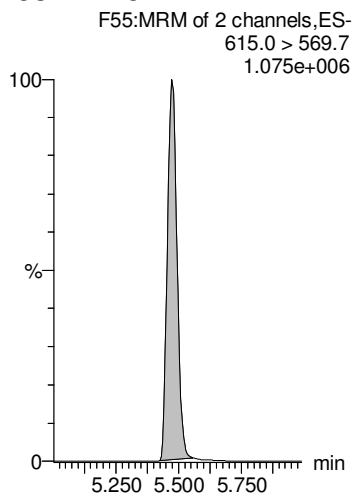
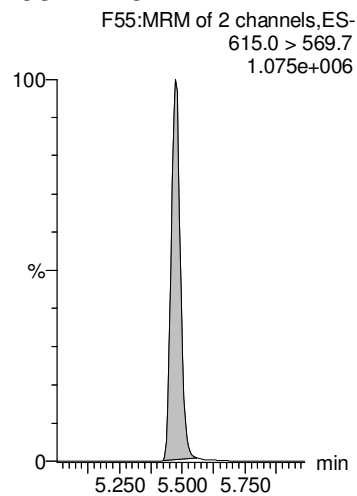
**13C<sub>2</sub>-PFD<sub>o</sub>A**

**13C<sub>2</sub>-PFD<sub>o</sub>A**

**13C<sub>2</sub>-PFT<sub>e</sub>DA**

**13C<sub>8</sub>-PFOS**

**13C<sub>3</sub>-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-38.qld

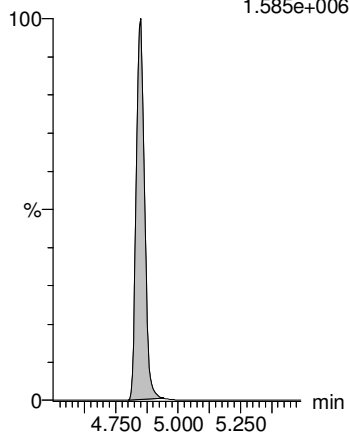
Last Altered: Tuesday, August 21, 2018 12:37:43 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 12:38:06 Pacific Daylight Time

Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518

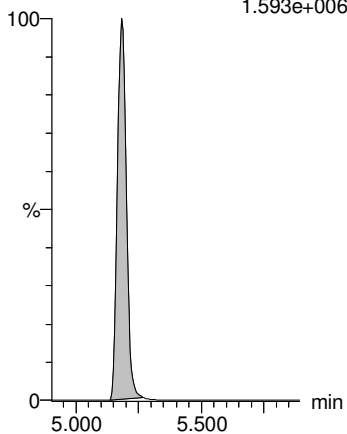
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.585e+006



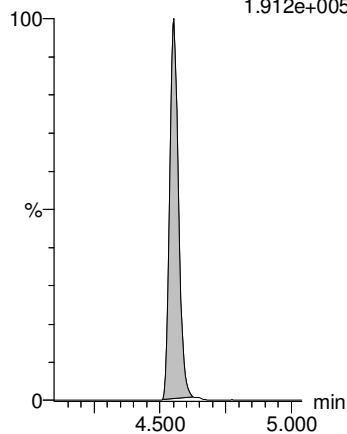
**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.593e+006



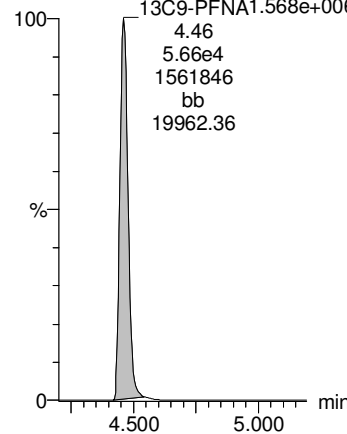
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.912e+005



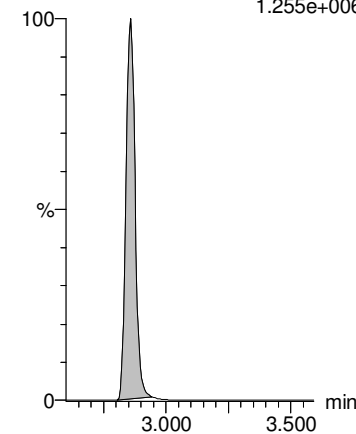
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.568e+006



**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.255e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		1.95e4	0.238		1.08						
2	2 PFPeA	263.1 > 218.9		2.76e4	0.238		2.04						
3	3 PFBS	299.0 > 79.7	2.61e0	2.98e3	0.238	0.000	2.34	2.35	0.0109	0.3242		0.516	YES
4	5 PFHxA	313 > 269		1.69e4	0.238		2.86						
5	7 PFHpA	363.0 > 318.9		2.46e4	0.238		3.49						
6	36 13C3-PFBA	216.1 > 171.8	1.95e4	2.53e4	0.238	0.770	1.16	1.08	9.62	49.1551	93.7		
7	37 13C3-PFPeA	266. > 221.8	2.76e4	4.60e4	0.238	0.601	2.14	2.04	7.52	64.9481	123.8		
8	38 13C3-PFBS	302. > 98.8	2.98e3	4.60e4	0.238	0.0648	2.44	2.34	0.810	67.6118	128.8		
9	40 13C2-PFHxA	315 > 270	1.69e4	4.60e4	0.238	0.919	2.95	2.86	4.59	19.7955	94.3		
10	41 13C4-PFHpA	367.2 > 321.8	2.46e4	4.60e4	0.238	0.536	3.56	3.49	6.69	45.9164	87.5		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	7.13e0	2.42e3	0.238	0.000	3.52	3.64	0.0368	0.1481		0.512	YES
13	68 Total PFHxS	398.9 > 79.6	7.13e0	2.42e3	0.238		3.65		0.0368	0.1481			
14	11 L-PFOA	412.9 > 368.9	3.54e2	3.70e4	0.238	0.000	4.00	4.02	0.120	0.3578		3.977	YES
15	69 Total PFOA	412.9 > 368.9	3.54e2	3.70e4	0.238		4.48		0.120	0.3578			
16	15 PFOSA	498 > 77.9		3.80e3	0.238		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.42e3	5.39e3	0.238	0.449	3.72	3.64	5.61	48.7669	92.9		
18	42 18O2-PFHxS	403.0 > 102.6	2.42e3	5.39e3	0.238	0.449	3.72	3.64	5.61	48.7669	92.9		
19	44 13C2-PFOA	414.9 > 369.7	3.70e4	4.99e4	0.238	0.742	4.09	4.01	9.28	47.4431	90.4		
20	44 13C2-PFOA	414.9 > 369.7	3.70e4	4.99e4	0.238	0.742	4.09	4.01	9.28	47.4431	90.4		
21	46 13C8-PFOSA	506.1 > 77.7	3.80e3	5.02e4	0.238	0.0757	4.60	4.52	0.946	22.6175	43.1		
22	-1												
23	14 PFNA	463.0 > 418.8		3.72e4	0.238		4.54						
24	16 L-PFOS	498.9 > 79.9	6.46e0	6.31e3	0.238	0.000	4.63	4.46	0.0128	0.1710		3.062	YES
25	70 Total PFOS	498.9 > 79.9	6.46e0	6.31e3	0.238		4.60		0.0128	0.1710			
26	18 PFDA	513 > 468.8		3.27e4	0.238		4.92						
27	25 PFUdA	563.0 > 518.9	8.56e1	3.44e4	0.238	0.000	5.25	5.19	0.0311	0.0392		12.184	NO
28	45 13C5-PFNA	468.2 > 422.9	3.72e4	4.64e4	0.238	0.801	4.54	4.47	10.0	43.2080	82.3		
29	47 13C8-PFOS	507.0 > 79.9	6.31e3	6.13e3	0.238	1.03	4.63	4.55	12.9	51.3385	97.8		
30	47 13C8-PFOS	507.0 > 79.9	6.31e3	6.13e3	0.238	1.03	4.63	4.55	12.9	51.3385	97.8		
31	48 13C2-PFDA	515.1 > 469.9	3.27e4	4.77e4	0.238	0.686	4.92	4.85	8.58	37.6175	71.7		
32	51 13C2-PFUdA	565 > 519.8	3.44e4	5.02e4	0.238	0.684	5.25	5.19	8.56	36.5384	69.6		
33	-1												
34	21 L-MeFOSAA	570 > 419		7.69e3	0.238		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	7.69e3	0.238		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		8.89e3	0.238		5.24						

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	8.89e3	0.238		5.23		0.000				
38	26 PFDS	598.8 > 79.9		6.31e3	0.238		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	7.69e3	5.02e4	0.238	0.153	5.08	5.00	1.91	33.2732	63.4		
40	50 d3-N-MeFOSAA	573.3 > 419	7.69e3	5.02e4	0.238	0.153	5.08	5.00	1.91	33.2732	63.4		
41	52 d5-N-EtFOSAA	589.3 > 419	8.89e3	5.02e4	0.238	0.177	5.23	5.17	2.21	35.4586	67.6		
42	52 d5-N-EtFOSAA	589.3 > 419	8.89e3	5.02e4	0.238	0.177	5.23	5.17	2.21	35.4586	67.6		
43	51 13C2-PFUDa	565 > 519.8	3.44e4	5.02e4	0.238	0.684	5.25	5.19	8.56	36.5384	69.6		
44	-1												
45	27 PFDoA	612.9 > 569.0	4.42e1	3.58e4	0.238	0.000	5.54	5.48	0.0155	0.0757		7.660	NO
46	29 PFTTrDA	662.9 > 618.9		3.58e4	0.238		5.79						
47	30 PFTTeDA	712.8 > 669.0	7.64e1	2.79e4	0.238	0.000	6.01	5.96	0.0342	0.1611		31.500	YES
48	73 TCDA	498.3>106.9			0.238		5.11						
49	60 13C4-PFBA	217. > 172	2.53e4	2.53e4	0.238	1.00	1.15	1.08	12.5	52.4791	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.58e4	4.77e4	0.238	0.750	5.54	5.48	9.37	36.3460	69.3		
51	53 13C2-PFDoA	615.0 > 569.7	3.58e4	4.77e4	0.238	0.750	5.54	5.48	9.37	36.3460	69.3		
52	55 13C2-PFTTeDA	714.8 > 669.6	2.79e4	5.02e4	0.238	0.557	6.01	5.96	6.96	37.5955	71.6		
53	47 13C8-PFOS	507.0 > 79.9	6.31e3	6.13e3	0.238	1.03	4.63	4.55	12.9	51.3385	97.8		
54	62 13C3-PFHxS	401.8 > 79.9	5.39e3	5.39e3	0.238	1.00	3.72	3.64	12.5	52.4791	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.77e4	4.77e4	0.238	1.00	4.92	4.85	12.5	52.4791	100.0		
57	67 13C7-PFUDa	570.1 > 524.8	5.02e4	5.02e4	0.238	1.00	5.25	5.19	12.5	52.4791	100.0		
58	65 13C4-PFOS	503 > 79.9	6.13e3	6.13e3	0.238	1.00	4.63	4.55	12.5	52.4791	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.64e4	4.64e4	0.238	1.00	4.54	4.47	12.5	52.4791	100.0		
60	61 13C5-PFHxS	318 > 272.9	4.60e4	4.60e4	0.238	1.00	2.95	2.86	12.5	52.4791	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57  
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

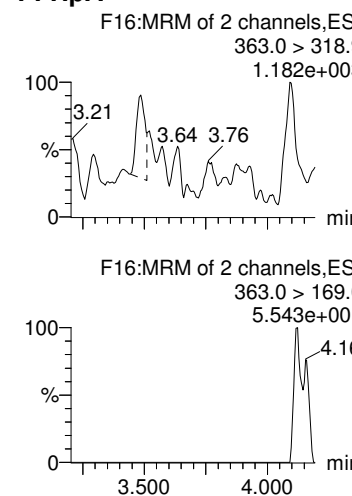
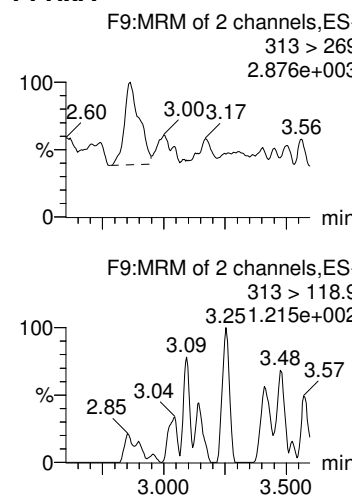
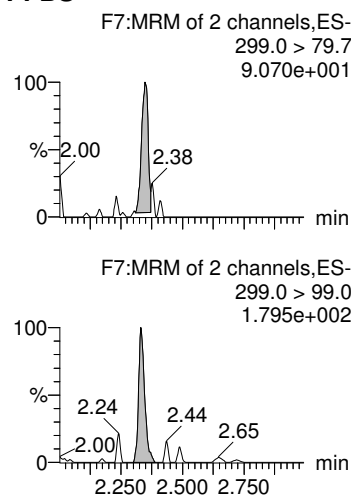
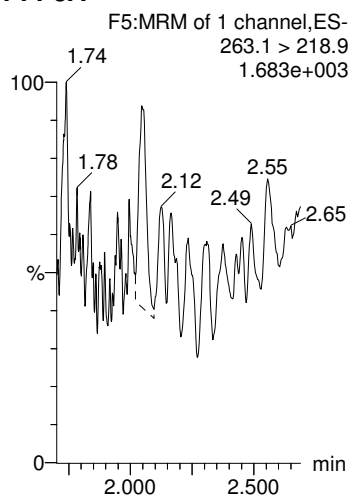
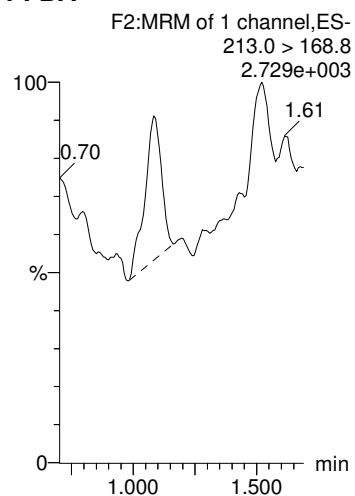
**PFBA**

**PFPeA**

**PFBS**

**PFHxA**

**PFHpA**



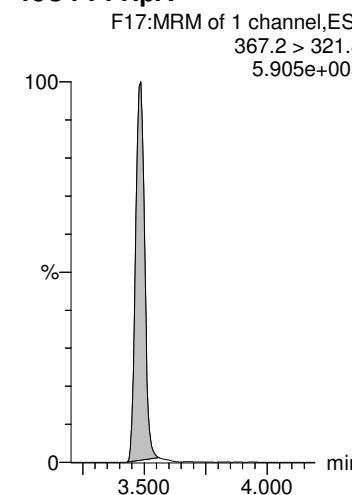
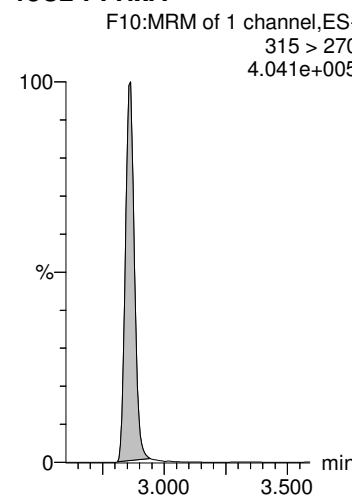
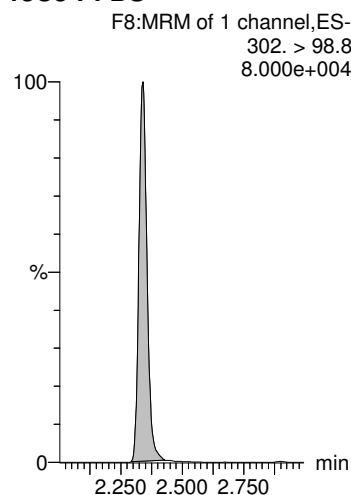
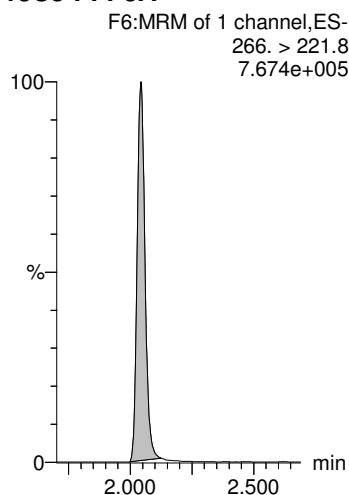
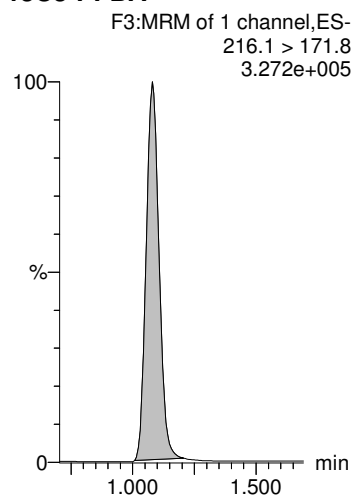
**13C3-PFBA**

**13C3-PFPeA**

**13C3-PFBS**

**13C2-PFHxA**

**13C4-PFHpA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

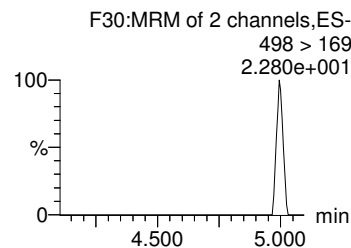
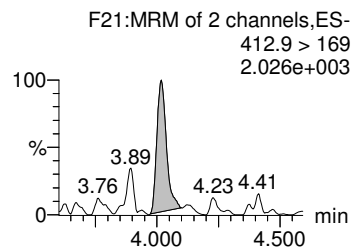
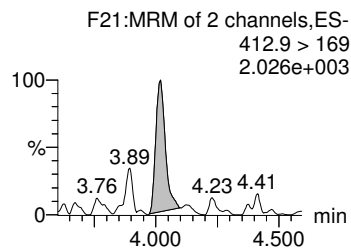
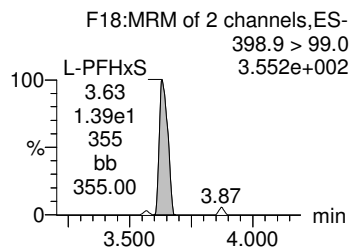
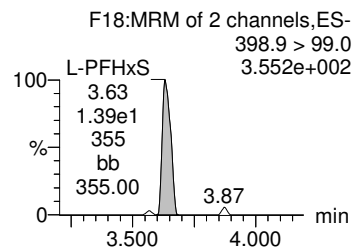
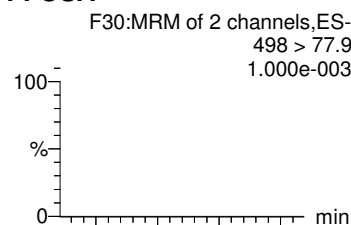
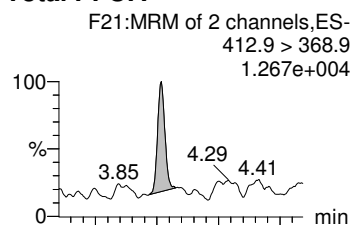
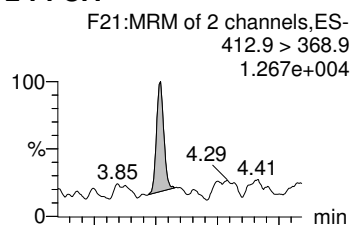
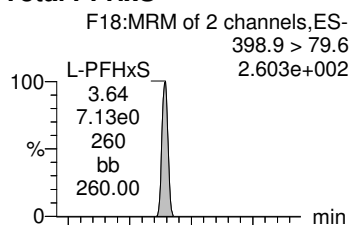
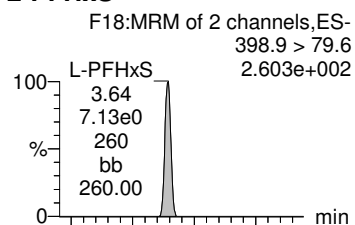
**L-PFHxS**

**Total PFHxS**

**L-PFOA**

**Total PFOA**

**PFOSA**



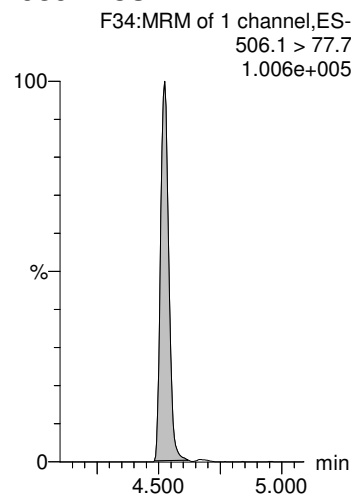
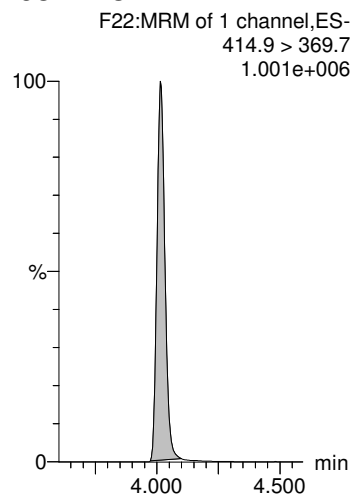
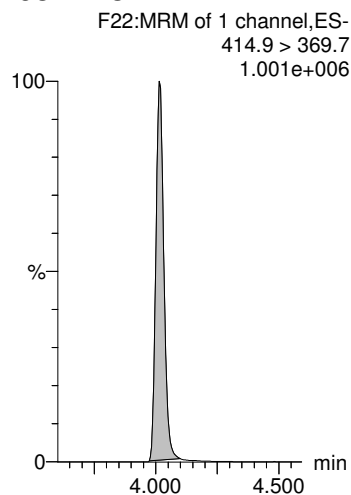
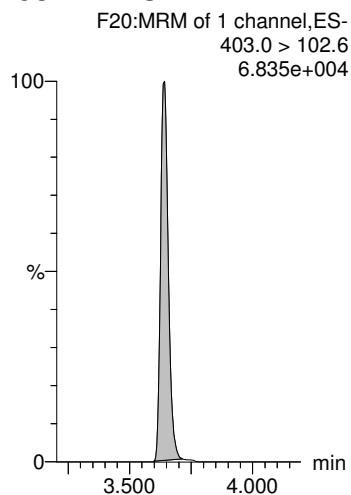
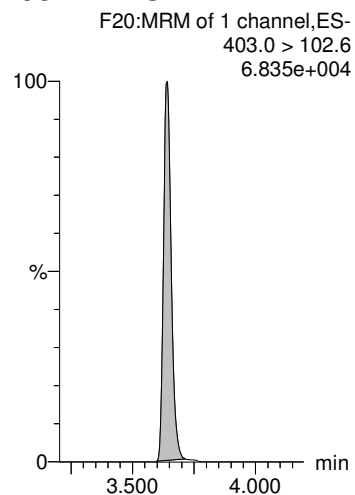
**18O2-PFHxS**

**18O2-PFHxS**

**13C2-PFOA**

**13C2-PFOA**

**13C8-PFOSA**



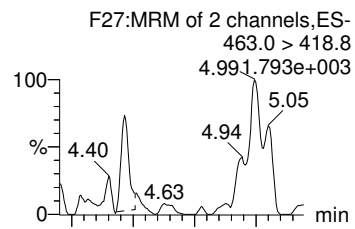


Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

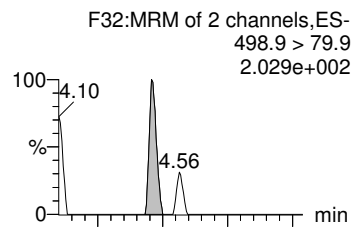
Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

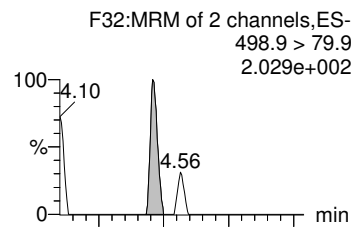
**PFNA**



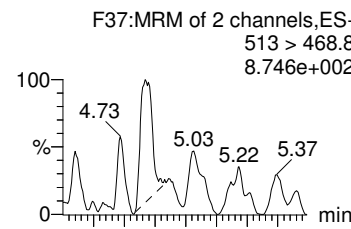
**L-PFOS**



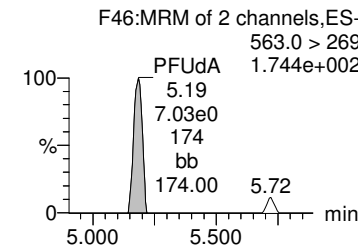
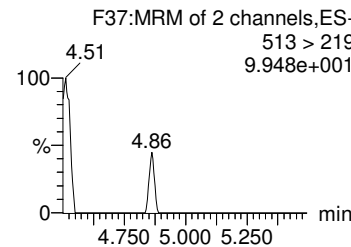
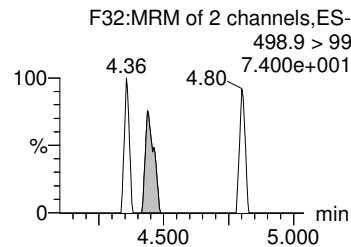
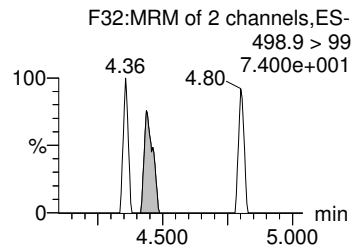
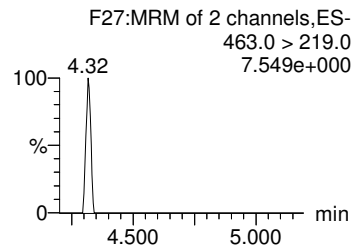
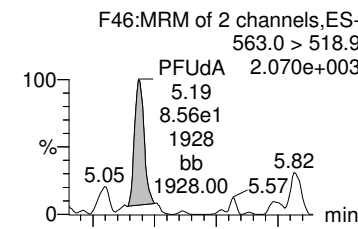
**Total PFOS**



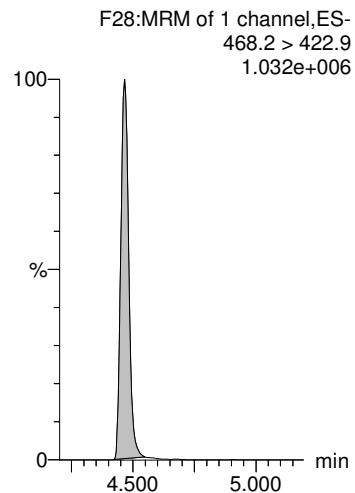
**PFDA**



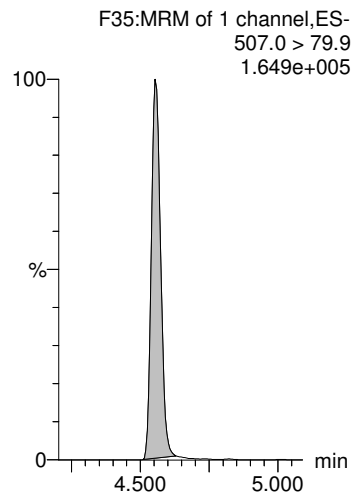
**PFUdA**



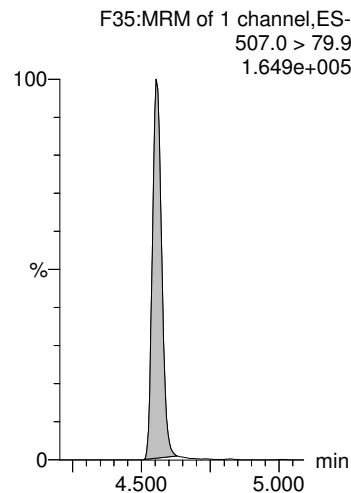
**13C5-PFNA**



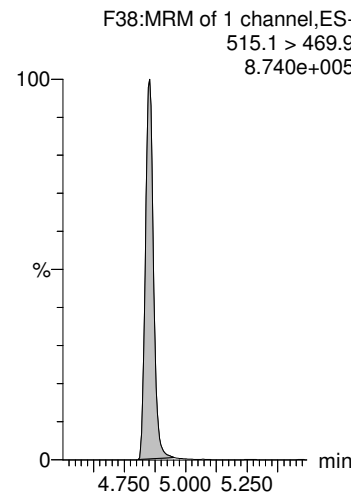
**13C8-PFOS**



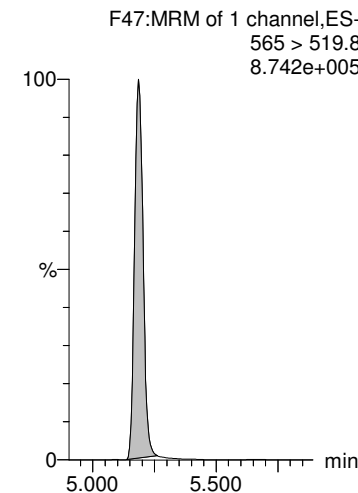
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

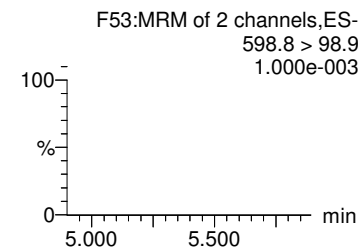
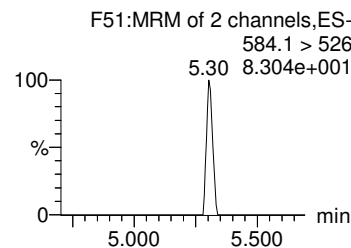
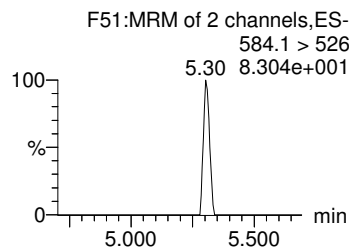
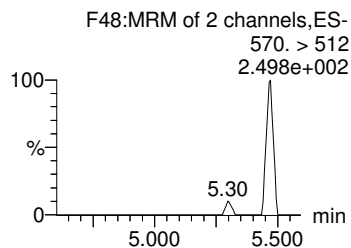
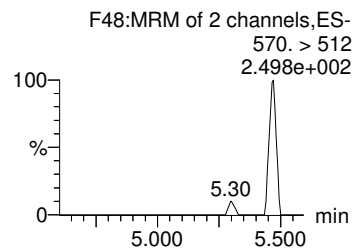
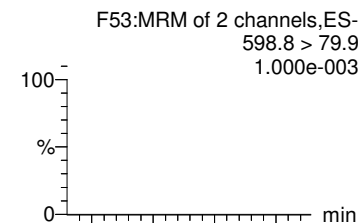
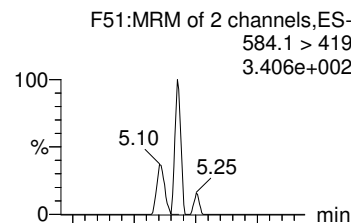
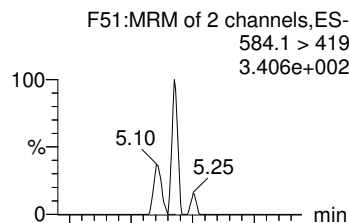
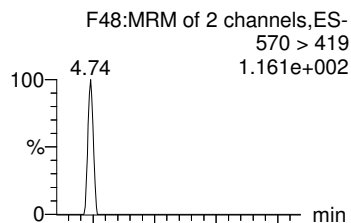
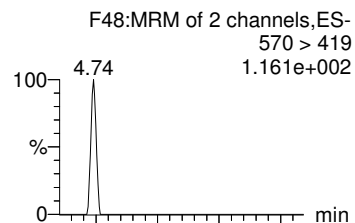
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



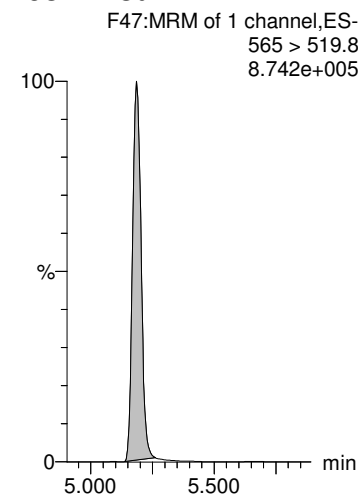
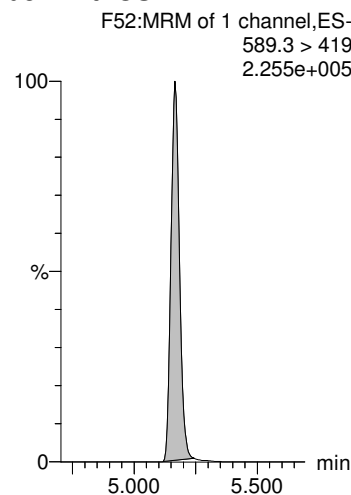
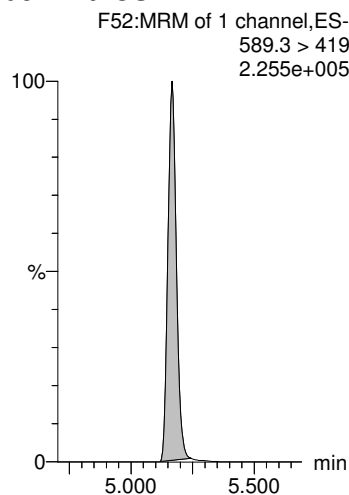
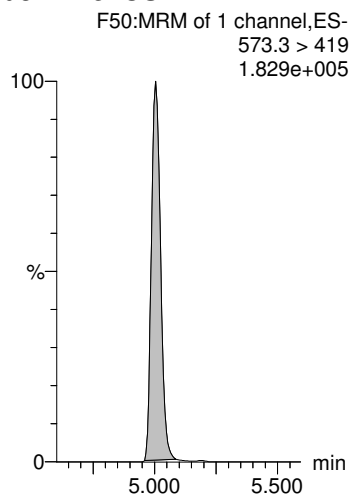
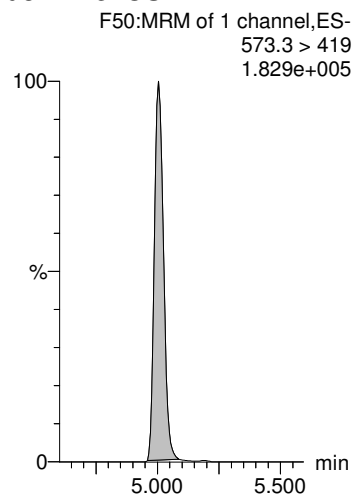
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**

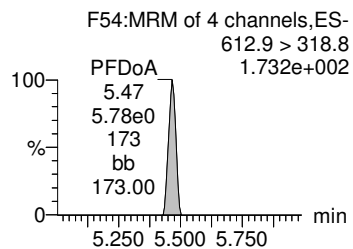
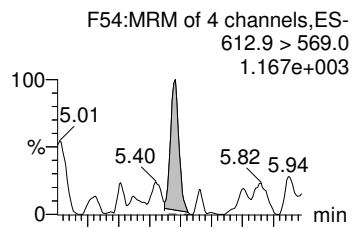


Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

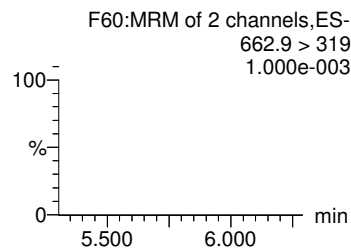
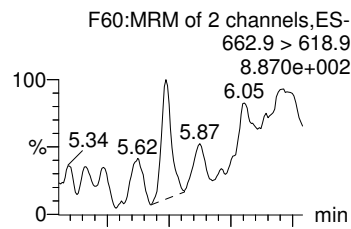
Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

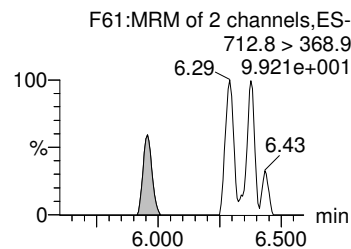
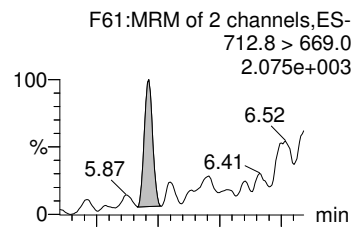
**PFDoA**



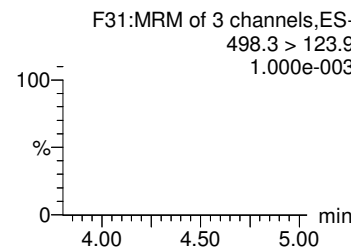
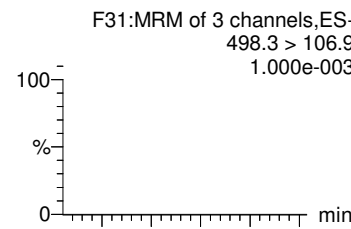
**PFTrDA**



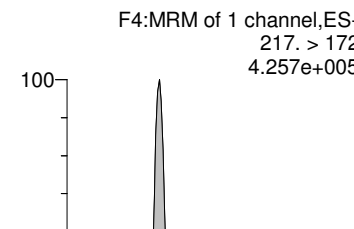
**PFTeDA**



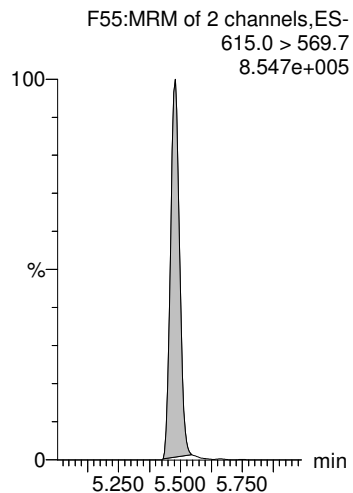
**TCDA**



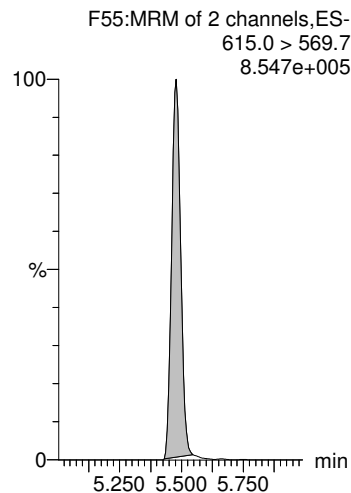
**13C4-PFBA**



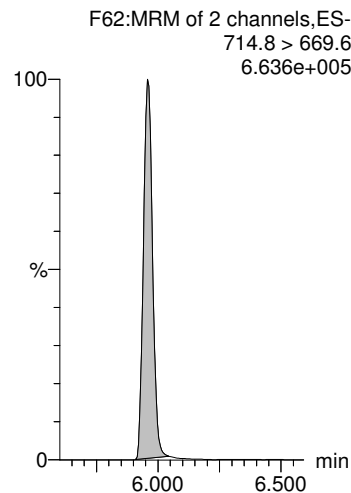
**13C2-PFDoA**



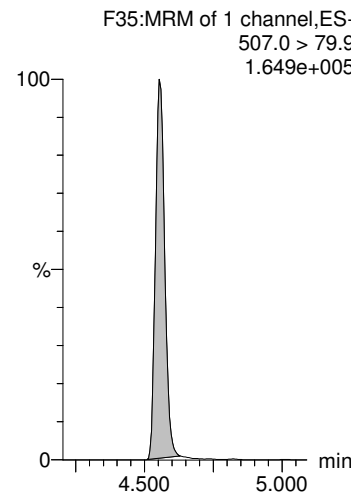
**13C2-PFDoA**



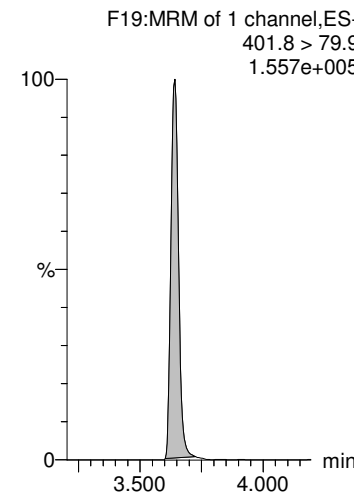
**13C2-PFTeDA**



**13C8-PFOS**



**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-39.qld

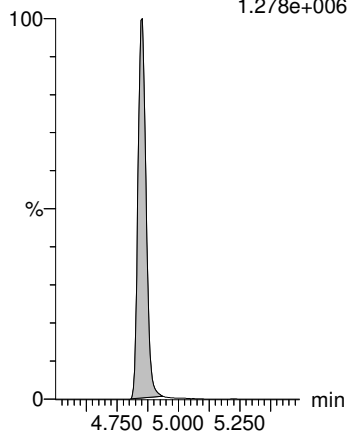
Last Altered: Tuesday, August 21, 2018 11:56:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:57:15 Pacific Daylight Time

Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518

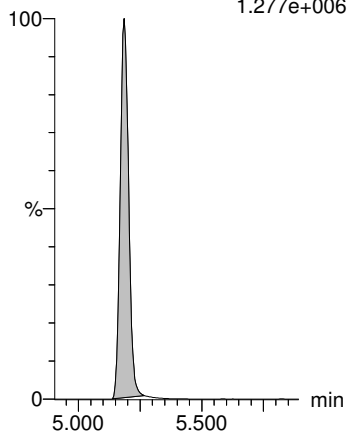
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.278e+006



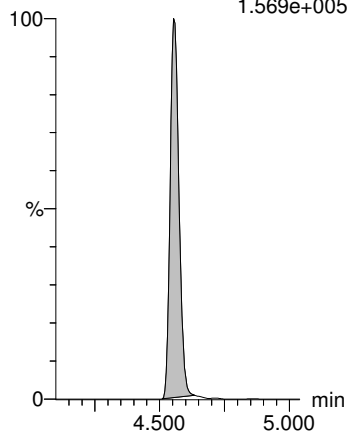
**13C7-PFUDa**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.277e+006



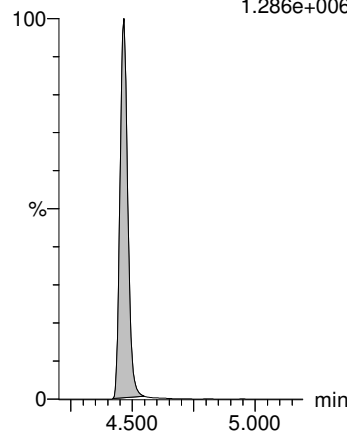
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.569e+005



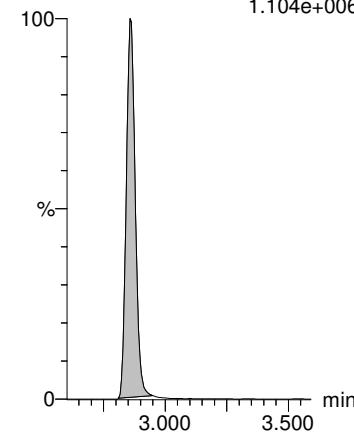
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.286e+006



**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.104e+006



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		1.88e4	0.249		1.08						
2	2 PFPeA	263.1 > 218.9		2.66e4	0.249		2.04						
3	3 PFBS	299.0 > 79.7		3.08e3	0.249		2.34						
4	5 PFHxA	313 > 269		1.58e4	0.249		2.86						
5	7 PFHpA	363.0 > 318.9		2.42e4	0.249		3.48						
6	36 13C3-PFBA	216.1 > 171.8	1.88e4	2.57e4	0.249	0.731	1.16	1.08	9.13	44.7059	88.9		
7	37 13C3-PFPeA	266. > 221.8	2.66e4	4.75e4	0.249	0.560	2.14	2.04	6.99	57.9063	115.2		
8	38 13C3-PFBS	302. > 98.8	3.08e3	4.75e4	0.249	0.0649	2.44	2.34	0.811	64.8668	129.0		
9	40 13C2-PFHxA	315 > 270	1.58e4	4.75e4	0.249	0.834	2.95	2.86	4.17	17.2123	85.6		
10	41 13C4-PFHpA	367.2 > 321.8	2.42e4	4.75e4	0.249	0.509	3.56	3.48	6.36	41.8008	83.1		
11	-1												
12	8 L-PFHxS	398.9 > 79.6	1.36e1	2.48e3	0.249	0.000	3.51	3.64	0.0684	0.2153		3.021	YES
13	68 Total PFHxS	398.9 > 79.6	1.36e1	2.48e3	0.249		3.65		0.0684	0.2153			
14	11 L-PFOA	412.9 > 368.9	3.36e2	3.77e4	0.249	0.000	4.00	4.01	0.111	0.3100		3.062	NO
15	69 Total PFOA	412.9 > 368.9	3.36e2	3.77e4	0.249		4.48		0.111	0.3100			
16	15 PFOSA	498 > 77.9		2.09e3	0.249		4.60						
17	42 18O2-PFHxS	403.0 > 102.6	2.48e3	5.76e3	0.249	0.431	3.72	3.64	5.38	44.8005	89.1		
18	42 18O2-PFHxS	403.0 > 102.6	2.48e3	5.76e3	0.249	0.431	3.72	3.64	5.38	44.8005	89.1		
19	44 13C2-PFOA	414.9 > 369.7	3.77e4	4.86e4	0.249	0.776	4.09	4.01	9.70	47.5488	94.6		
20	44 13C2-PFOA	414.9 > 369.7	3.77e4	4.86e4	0.249	0.776	4.09	4.01	9.70	47.5488	94.6		
21	46 13C8-PFOSA	506.1 > 77.7	2.09e3	5.00e4	0.249	0.0419	4.60	4.52	0.523	11.9842	23.8		
22	-1												
23	14 PFNA	463.0 > 418.8		3.65e4	0.249		4.54						
24	16 L-PFOS	498.9 > 79.9		6.39e3	0.249		4.63						
25	70 Total PFOS	498.9 > 79.9	0.00e0	6.39e3	0.249		4.60		0.000				
26	18 PFDA	513 > 468.8		3.17e4	0.249		4.92						
27	25 PFUdA	563.0 > 518.9		3.30e4	0.249		5.25						
28	45 13C5-PFNA	468.2 > 422.9	3.65e4	4.60e4	0.249	0.794	4.54	4.46	9.93	41.0416	81.6		
29	47 13C8-PFOS	507.0 > 79.9	6.39e3	7.16e3	0.249	0.892	4.63	4.55	11.2	42.6424	84.8		
30	47 13C8-PFOS	507.0 > 79.9	6.39e3	7.16e3	0.249	0.892	4.63	4.55	11.2	42.6424	84.8		
31	48 13C2-PFDA	515.1 > 469.9	3.17e4	4.67e4	0.249	0.679	4.92	4.85	8.48	35.6506	70.9		
32	51 13C2-PFUdA	565 > 519.8	3.30e4	5.00e4	0.249	0.659	5.25	5.19	8.23	33.6858	67.0		
33	-1												
34	21 L-MeFOSAA	570 > 419		7.95e3	0.249		4.98						
35	71 Total N-MeFOSAA	570. > 419	0.00e0	7.95e3	0.249		5.07		0.000				
36	23 L-EtFOSAA	584.1 > 419		8.93e3	0.249		5.24						

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
37	72 Total N-EtFOSAA	584.1 > 419	0.00e0	8.93e3	0.249		5.23		0.000				
38	26 PFDS	598.8 > 79.9		6.39e3	0.249		5.30						
39	50 d3-N-MeFOSAA	573.3 > 419	7.95e3	5.00e4	0.249	0.159	5.08	5.00	1.99	33.0767	65.8		
40	50 d3-N-MeFOSAA	573.3 > 419	7.95e3	5.00e4	0.249	0.159	5.08	5.00	1.99	33.0767	65.8		
41	52 d5-N-EtFOSAA	589.3 > 419	8.93e3	5.00e4	0.249	0.178	5.23	5.17	2.23	34.2384	68.1		
42	52 d5-N-EtFOSAA	589.3 > 419	8.93e3	5.00e4	0.249	0.178	5.23	5.17	2.23	34.2384	68.1		
43	51 13C2-PFUdA	565 > 519.8	3.30e4	5.00e4	0.249	0.659	5.25	5.19	8.23	33.6858	67.0		
44	-1												
45	27 PFDoA	612.9 > 569.0		3.53e4	0.249		5.54						
46	29 PFTTrDA	662.9 > 618.9		3.53e4	0.249		5.79						
47	30 PFTeDA	712.8 > 669.0		3.11e4	0.249		6.01						
48	73 TCDA	498.3>106.9			0.249		5.11						
49	60 13C4-PFBA	217. > 172	2.57e4	2.57e4	0.249	1.00	1.15	1.07	12.5	50.2856	100.0		
50	53 13C2-PFDoA	615.0 > 569.7	3.53e4	4.67e4	0.249	0.755	5.54	5.47	9.43	35.0453	69.7		
51	53 13C2-PFDoA	615.0 > 569.7	3.53e4	4.67e4	0.249	0.755	5.54	5.47	9.43	35.0453	69.7		
52	55 13C2-PFTeDA	714.8 > 669.6	3.11e4	5.00e4	0.249	0.622	6.01	5.96	7.77	40.2389	80.0		
53	47 13C8-PFOS	507.0 > 79.9	6.39e3	7.16e3	0.249	0.892	4.63	4.55	11.2	42.6424	84.8		
54	62 13C3-PFHxS	401.8 > 79.9	5.76e3	5.76e3	0.249	1.00	3.72	3.64	12.5	50.2856	100.0		
55	-1												
56	66 13C6-PFDA	519.1 > 473.7	4.67e4	4.67e4	0.249	1.00	4.92	4.85	12.5	50.2856	100.0		
57	67 13C7-PFUdA	570.1 > 524.8	5.00e4	5.00e4	0.249	1.00	5.25	5.18	12.5	50.2856	100.0		
58	65 13C4-PFOS	503 > 79.9	7.16e3	7.16e3	0.249	1.00	4.63	4.55	12.5	50.2856	100.0		
59	64 13C9-PFNA	472.2 > 426.9	4.60e4	4.60e4	0.249	1.00	4.54	4.46	12.5	50.2856	100.0		
60	61 13C5-PFHxS	318 > 272.9	4.75e4	4.75e4	0.249	1.00	2.95	2.86	12.5	50.2856	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57  
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

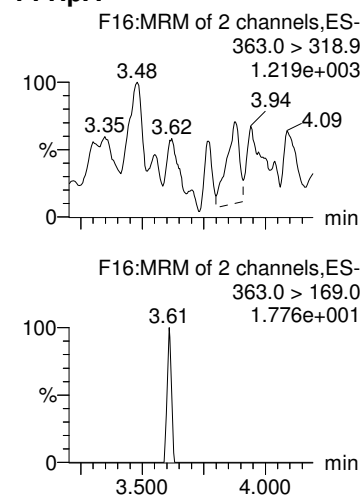
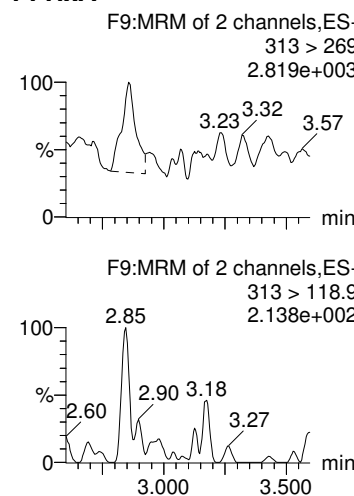
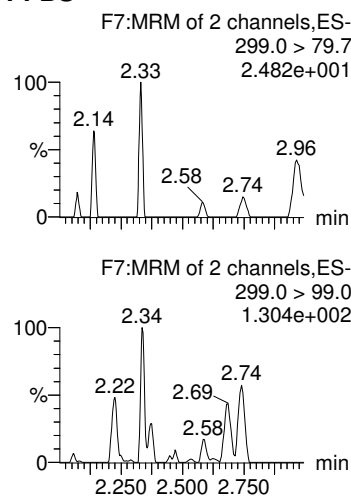
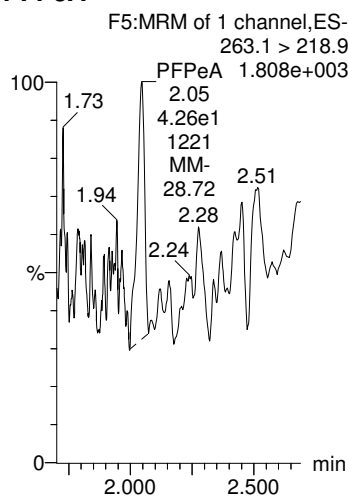
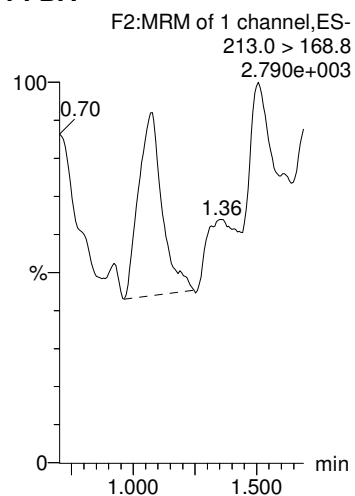
**PFBA**

**PFPeA**

**PFBS**

**PFHxA**

**PFHpA**



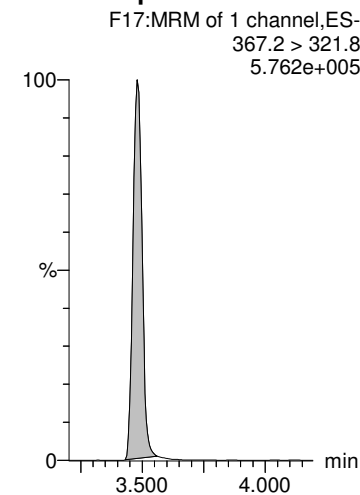
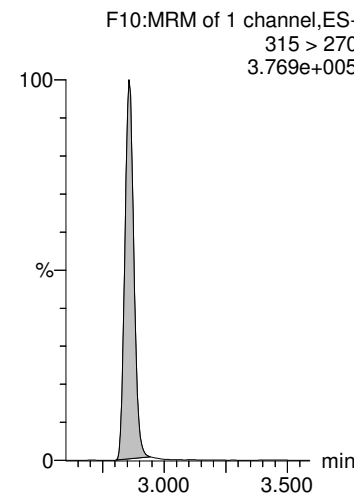
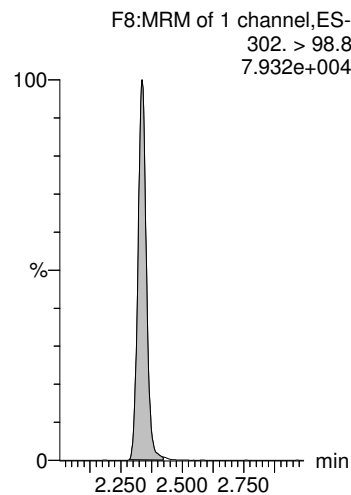
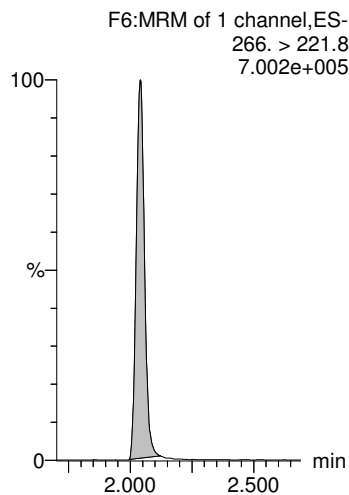
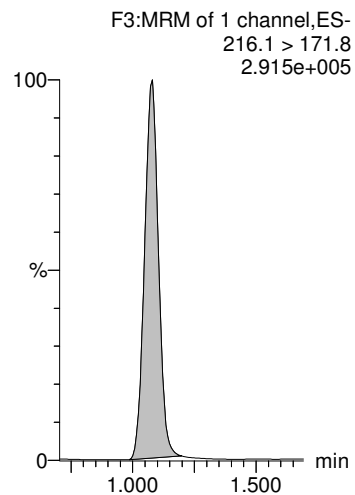
**13C3-PFBA**

**13C3-PFPeA**

**13C3-PFBS**

**13C2-PFHxA**

**13C4-PFHpA**



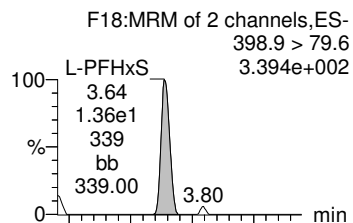
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

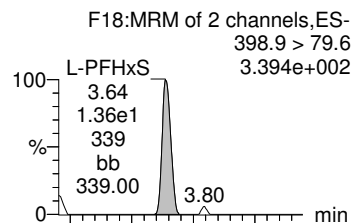
Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

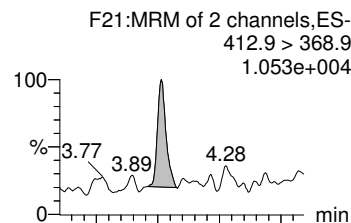
**L-PFHxS**



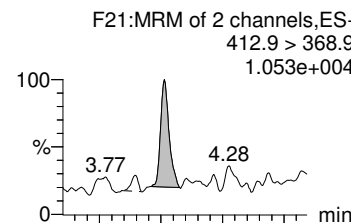
**Total PFHxS**



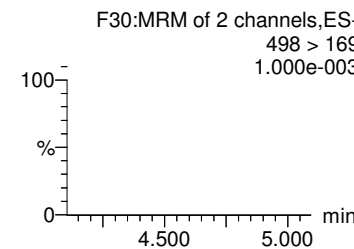
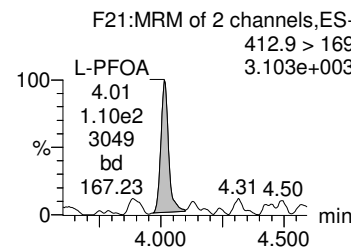
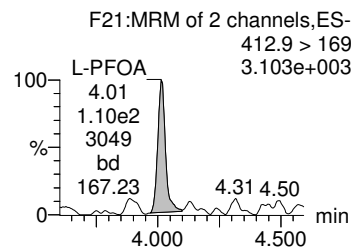
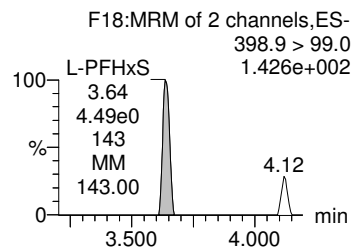
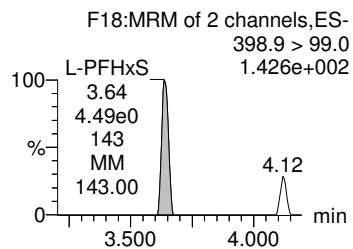
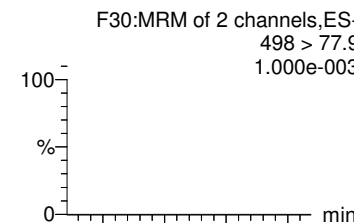
**L-PFOA**



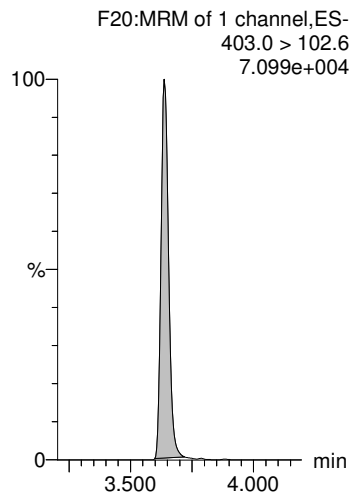
**Total PFOA**



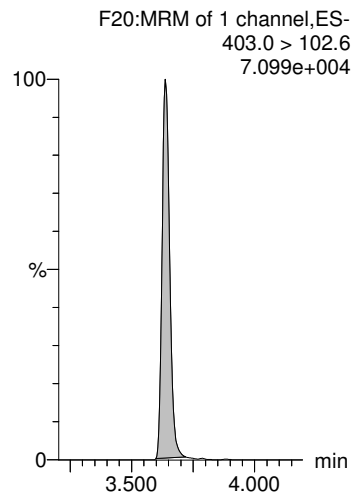
**PFOSA**



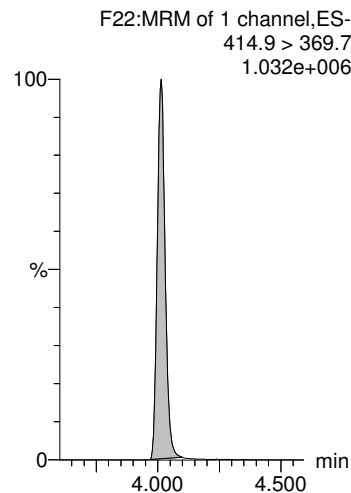
**18O2-PFHxS**



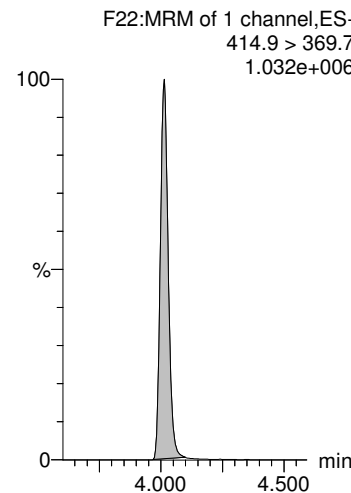
**18O2-PFHxS**



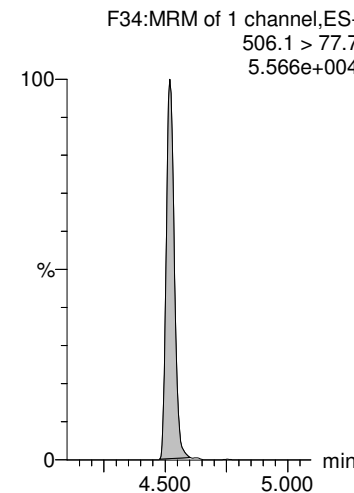
**13C2-PFOA**



**13C2-PFOA**



**13C8-PFOA**





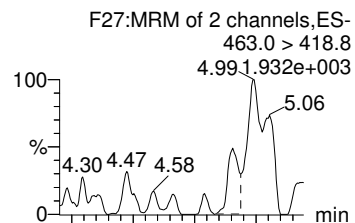
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

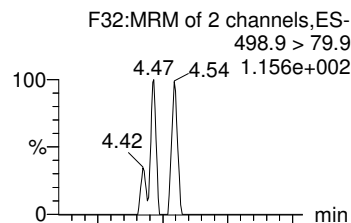
Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

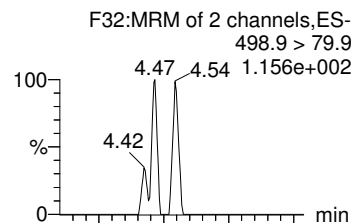
**PFNA**



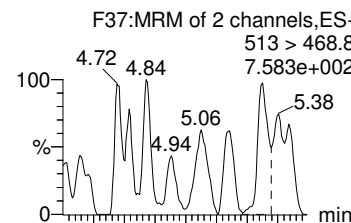
**L-PFOS**



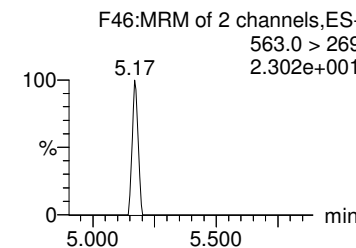
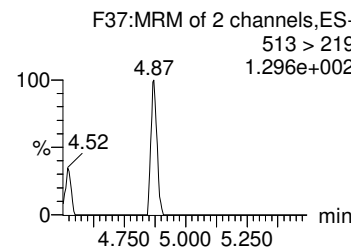
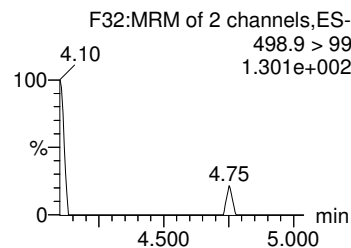
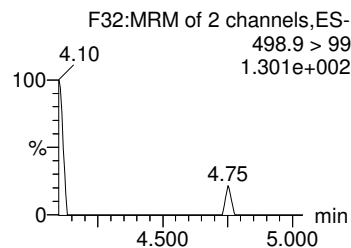
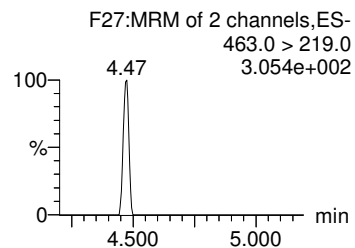
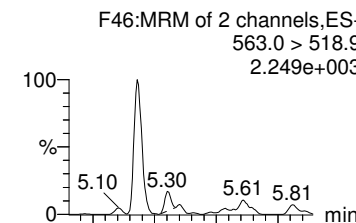
**Total PFOS**



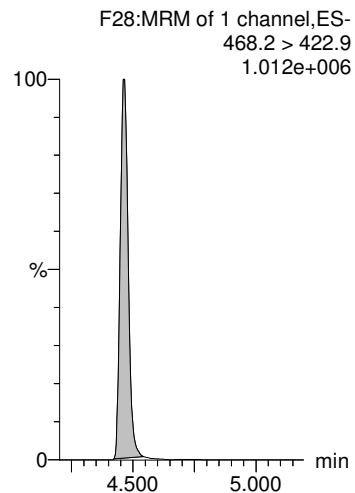
**PFDA**



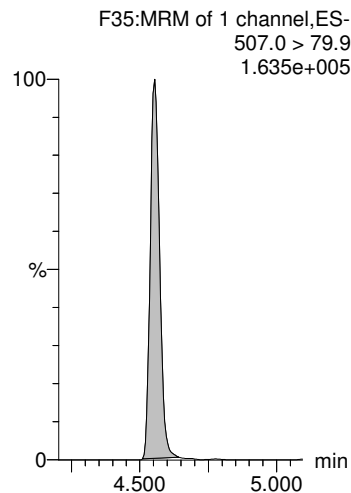
**PFUdA**



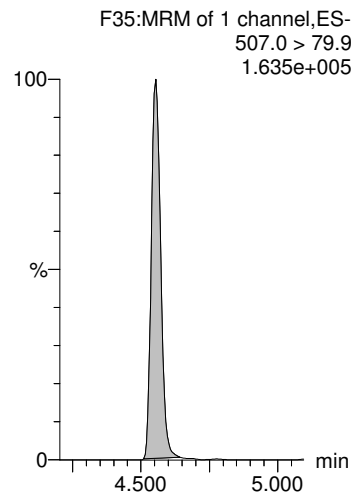
**13C5-PFNA**



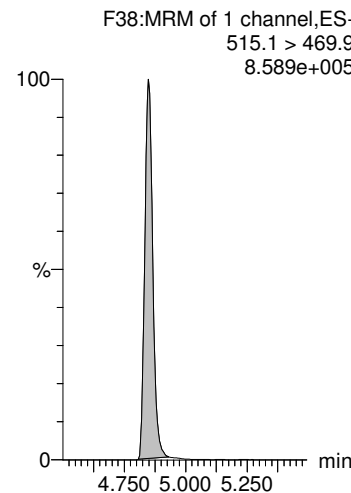
**13C8-PFOS**



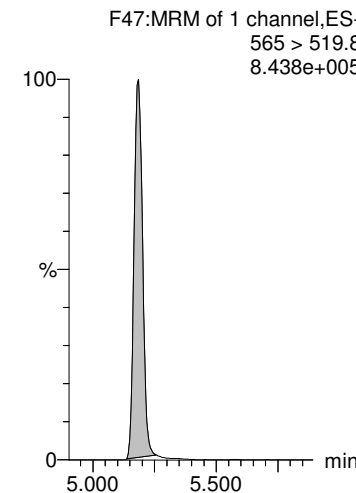
**13C8-PFOS**



**13C2-PFDA**



**13C2-PFUdA**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time  
Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

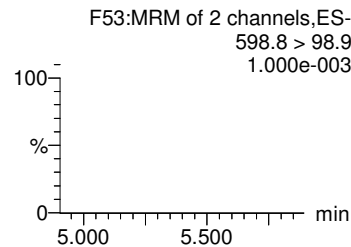
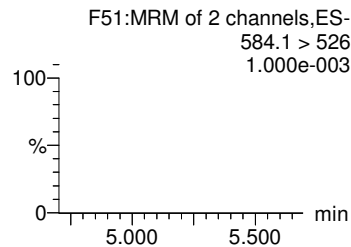
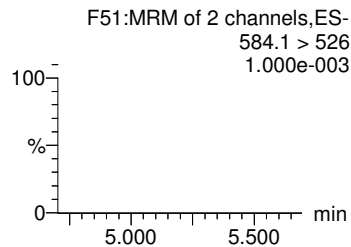
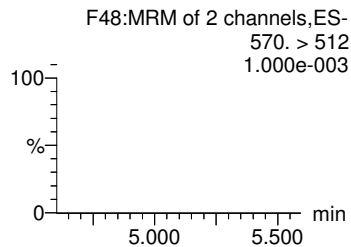
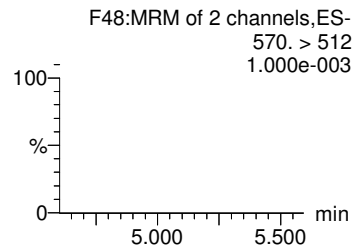
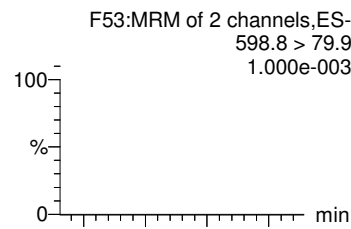
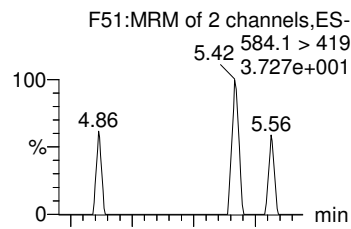
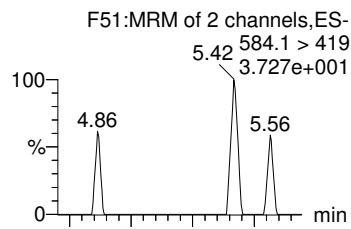
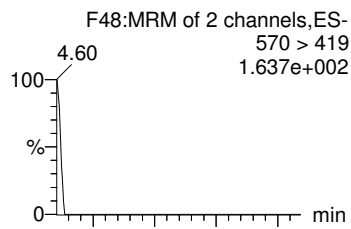
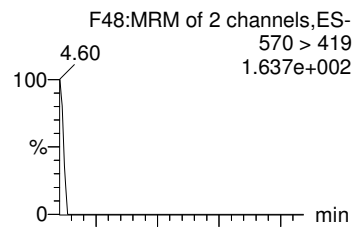
**L-MeFOSAA**

**Total N-MeFOSAA**

**L-EtFOSAA**

**Total N-EtFOSAA**

**PFDS**



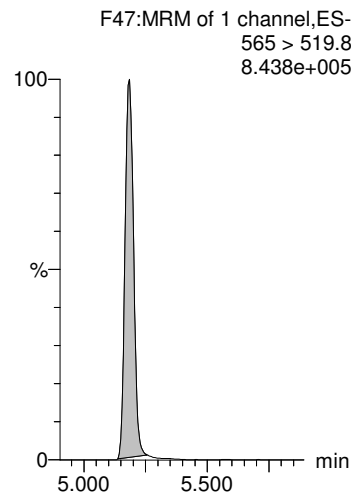
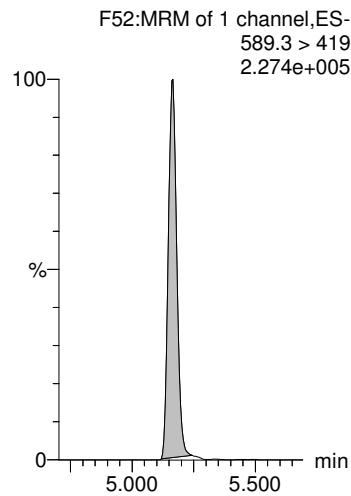
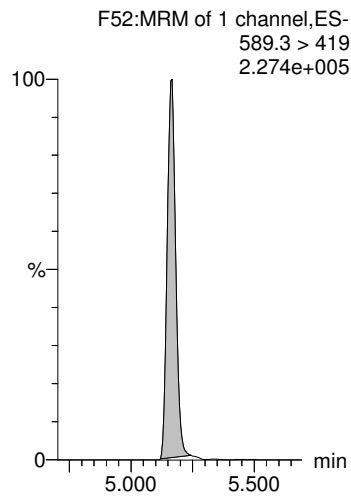
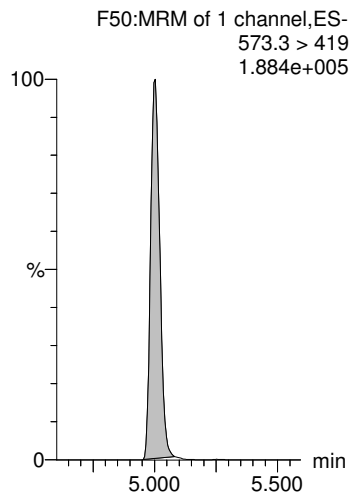
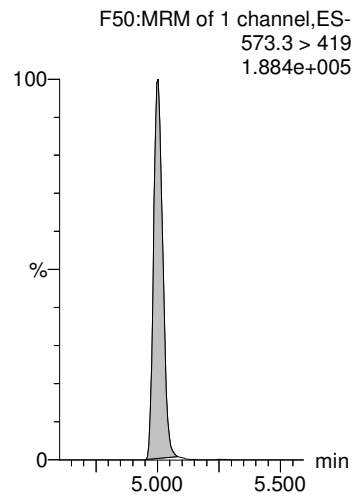
**d3-N-MeFOSAA**

**d3-N-MeFOSAA**

**d5-N-EtFOSAA**

**d5-N-EtFOSAA**

**13C2-PFUDa**



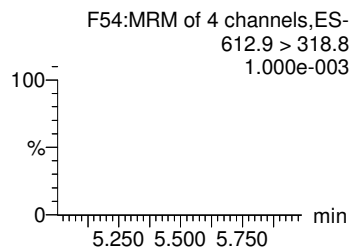
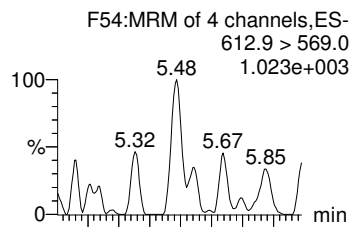
Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

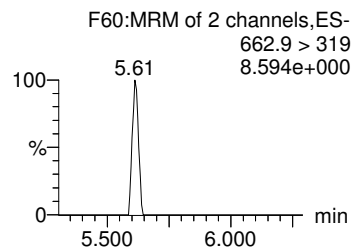
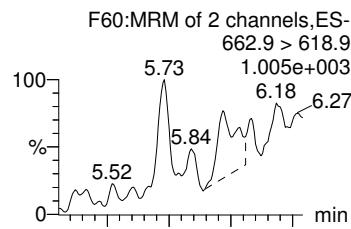
Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

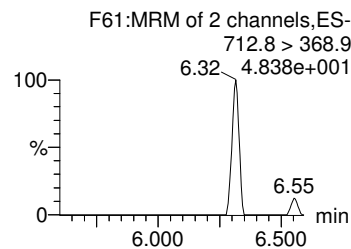
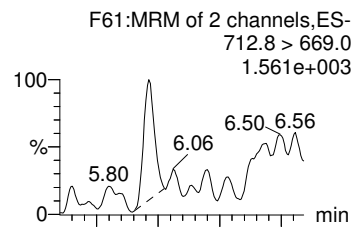
**PFDoA**



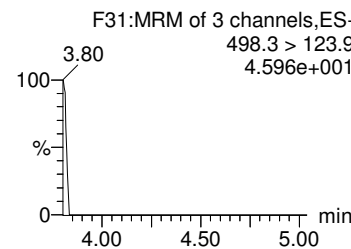
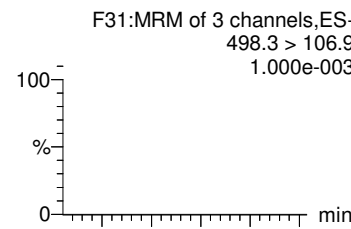
**PFTTrDA**



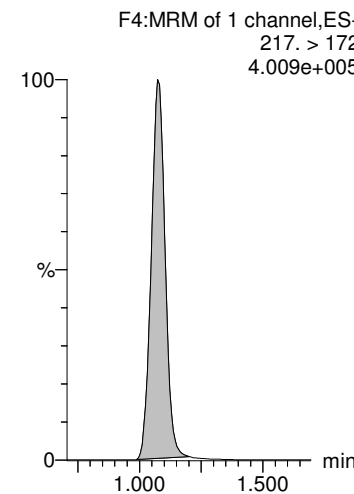
**PFTeDA**



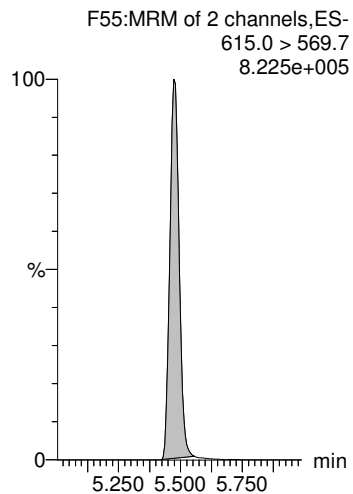
**TCDA**



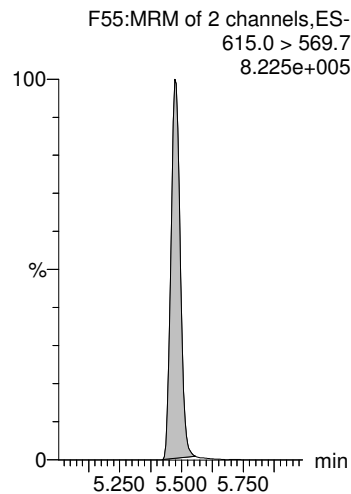
**13C4-PFBA**



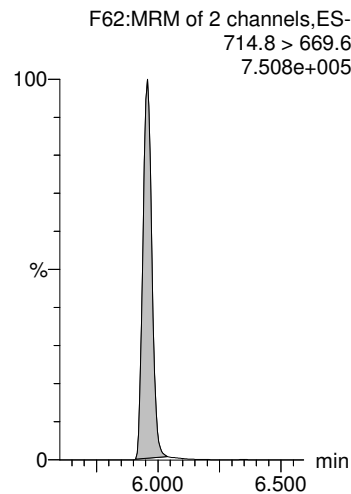
**13C2-PFDoA**



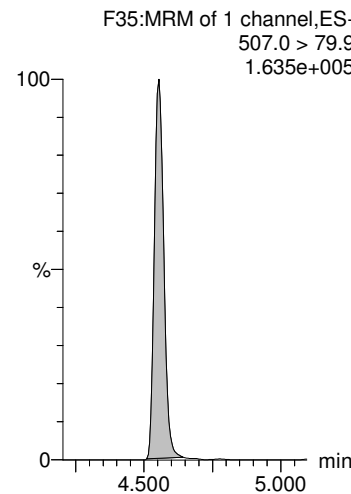
**13C2-PFDoA**



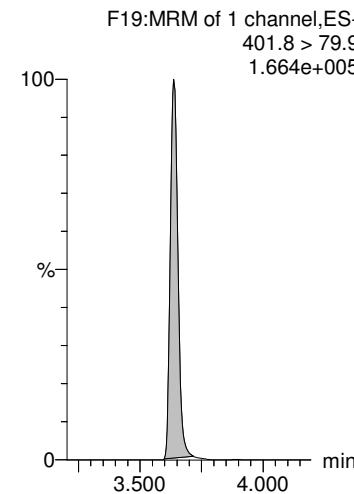
**13C2-PFTeDA**



**13C8-PFOS**



**13C3-PFHxS**



Dataset: Z:\Projects\PFAS.PRO\Results\180818M2\180818M2-40.qld

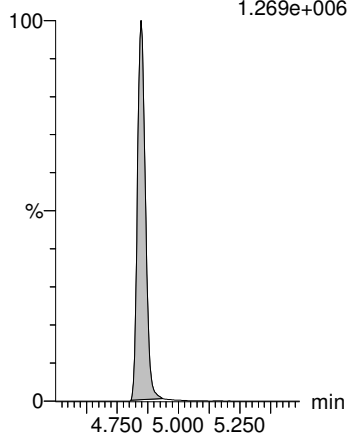
Last Altered: Tuesday, August 21, 2018 11:48:58 Pacific Daylight Time

Printed: Tuesday, August 21, 2018 11:49:38 Pacific Daylight Time

Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1

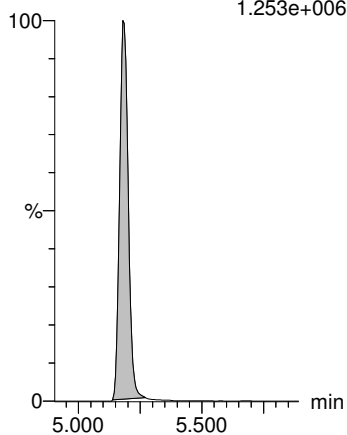
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.269e+006



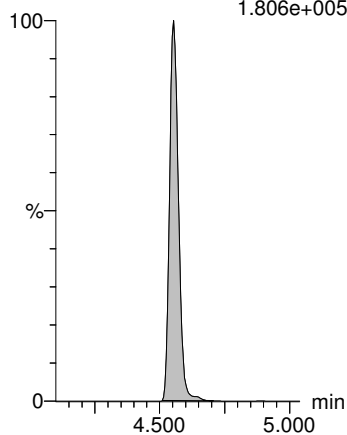
**13C7-PFUDa**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.253e+006



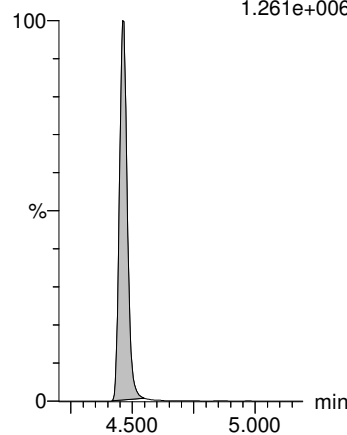
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.806e+005



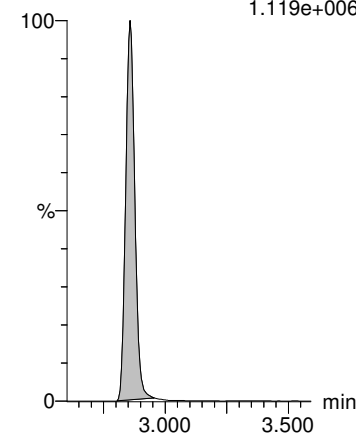
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.261e+006



**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.119e+006



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

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_RS-8-15-18.mdb 16 Aug 2018 12:25:46

Calibration: 19 Aug 2018 12:44:36

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-6 PFC CS3 18H0906	1.91e4	100.0	NO
2	2 13C5-PFHxA	ST180818M2-6 PFC CS3 18H0906	6.06e4	100.0	NO
3	3 13C3-PFHxS	ST180818M2-6 PFC CS3 18H0906	6.83e3	100.0	NO
4	4 13C8-PFOA	ST180818M2-6 PFC CS3 18H0906	6.38e4	100.0	NO
5	5 13C9-PFNA	ST180818M2-6 PFC CS3 18H0906	5.74e4	100.0	NO
6	6 13C4-PFOS	ST180818M2-6 PFC CS3 18H0906	8.13e3	100.0	NO
7	7 13C6-PFDA	ST180818M2-6 PFC CS3 18H0906	5.93e4	100.0	NO
8	8 13C7-PFUDa	ST180818M2-6 PFC CS3 18H0906	6.41e4	100.0	NO

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-7 PFC CS4 18H0907	1.89e4	98.9	NO
2	2 13C5-PFHxA	ST180818M2-7 PFC CS4 18H0907	5.93e4	98.0	NO
3	3 13C3-PFHxS	ST180818M2-7 PFC CS4 18H0907	7.01e3	102.6	NO
4	4 13C8-PFOA	ST180818M2-7 PFC CS4 18H0907	6.54e4	102.5	NO
5	5 13C9-PFNA	ST180818M2-7 PFC CS4 18H0907	5.75e4	100.2	NO
6	6 13C4-PFOS	ST180818M2-7 PFC CS4 18H0907	7.89e3	97.0	NO
7	7 13C6-PFDA	ST180818M2-7 PFC CS4 18H0907	5.78e4	97.5	NO
8	8 13C7-PFUDa	ST180818M2-7 PFC CS4 18H0907	6.25e4	97.5	NO

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-8 PFC CS5 18H0908	1.99e4	104.1	NO
2	2 13C5-PFHxA	ST180818M2-8 PFC CS5 18H0908	5.26e4	86.8	NO
3	3 13C3-PFHxS	ST180818M2-8 PFC CS5 18H0908	7.38e3	108.1	NO
4	4 13C8-PFOA	ST180818M2-8 PFC CS5 18H0908	6.58e4	103.1	NO
5	5 13C9-PFNA	ST180818M2-8 PFC CS5 18H0908	5.84e4	101.7	NO
6	6 13C4-PFOS	ST180818M2-8 PFC CS5 18H0908	8.12e3	99.9	NO
7	7 13C6-PFDA	ST180818M2-8 PFC CS5 18H0908	5.51e4	92.9	NO
8	8 13C7-PFUDa	ST180818M2-8 PFC CS5 18H0908	6.06e4	94.6	NO

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-9 PFC CS6 18H0909	1.90e4	99.3	NO
2	2 13C5-PFHxA	ST180818M2-9 PFC CS6 18H0909	5.46e4	90.1	NO
3	3 13C3-PFHxS	ST180818M2-9 PFC CS6 18H0909	5.73e3	83.9	NO
4	4 13C8-PFOA	ST180818M2-9 PFC CS6 18H0909	5.34e4	83.8	NO
5	5 13C9-PFNA	ST180818M2-9 PFC CS6 18H0909	4.50e4	78.5	NO
6	6 13C4-PFOS	ST180818M2-9 PFC CS6 18H0909	6.50e3	79.9	NO
7	7 13C6-PFDA	ST180818M2-9 PFC CS6 18H0909	4.73e4	79.8	NO
8	8 13C7-PFUDa	ST180818M2-9 PFC CS6 18H0909	4.63e4	72.3	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-10 PFC CS7 18H0910	1.83e4	95.9	NO
2	2 13C5-PFHxA	ST180818M2-10 PFC CS7 18H0910	4.69e4	77.5	NO
3	3 13C3-PFHxS	ST180818M2-10 PFC CS7 18H0910	4.64e3	67.8	NO
4	4 13C8-PFOA	ST180818M2-10 PFC CS7 18H0910	4.45e4	69.7	NO
5	5 13C9-PFNA	ST180818M2-10 PFC CS7 18H0910	3.76e4	65.5	NO
6	6 13C4-PFOS	ST180818M2-10 PFC CS7 18H0910	5.17e3	63.5	NO
7	7 13C6-PFDA	ST180818M2-10 PFC CS7 18H0910	3.83e4	64.5	NO
8	8 13C7-PFUDa	ST180818M2-10 PFC CS7 18H0910	3.92e4	61.2	NO

**Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	5.32e0	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: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV180818M2-1 PFC 537 ICV 18H0911	2.07e4	108.3	NO
2	2 13C5-PFHxA	ICV180818M2-1 PFC 537 ICV 18H0911	7.05e4	116.4	NO
3	3 13C3-PFHxS	ICV180818M2-1 PFC 537 ICV 18H0911	8.76e3	128.2	NO
4	4 13C8-PFOA	ICV180818M2-1 PFC 537 ICV 18H0911	8.10e4	126.9	NO
5	5 13C9-PFNA	ICV180818M2-1 PFC 537 ICV 18H0911	7.18e4	125.2	NO
6	6 13C4-PFOS	ICV180818M2-1 PFC 537 ICV 18H0911	9.91e3	121.9	NO
7	7 13C6-PFDA	ICV180818M2-1 PFC 537 ICV 18H0911	7.29e4	123.0	NO
8	8 13C7-PFUDa	ICV180818M2-1 PFC 537 ICV 18H0911	7.82e4	122.0	NO

**Name: 180818M2\_14, Date: 18-Aug-2018, Time: 17:23:17, ID: 1801963-01 Bemidji Pilot APR2 Lead 0.24828, Description: Bemidji Pilot APR2 Lead**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801963-01 Bemidji Pilot APR2 Lead 0.2...	2.75e4	143.6	NO
2	2 13C5-PFHxA	1801963-01 Bemidji Pilot APR2 Lead 0.2...	4.83e4	79.8	NO
3	3 13C3-PFHxS	1801963-01 Bemidji Pilot APR2 Lead 0.2...	6.45e3	94.3	NO
4	4 13C8-PFOA	1801963-01 Bemidji Pilot APR2 Lead 0.2...	5.65e4	88.5	NO
5	5 13C9-PFNA	1801963-01 Bemidji Pilot APR2 Lead 0.2...	5.16e4	90.0	NO
6	6 13C4-PFOS	1801963-01 Bemidji Pilot APR2 Lead 0.2...	7.42e3	91.3	NO
7	7 13C6-PFDA	1801963-01 Bemidji Pilot APR2 Lead 0.2...	5.45e4	91.9	NO
8	8 13C7-PFUDa	1801963-01 Bemidji Pilot APR2 Lead 0.2...	5.75e4	89.7	NO

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_15, Date: 18-Aug-2018, Time: 17:33:58, ID: 1801963-02 Bemidji Pilot PSR2 + 0.2439,**

**Description: Bemidji Pilot PSR2 +**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801963-02 Bemidji Pilot PSR2 + 0.2439	2.70e4	141.4	NO
2	2	13C5-PFHxA	1801963-02 Bemidji Pilot PSR2 + 0.2439	4.86e4	80.3	NO
3	3	13C3-PFHxS	1801963-02 Bemidji Pilot PSR2 + 0.2439	6.46e3	94.5	NO
4	4	13C8-PFOA	1801963-02 Bemidji Pilot PSR2 + 0.2439	5.50e4	86.2	NO
5	5	13C9-PFNA	1801963-02 Bemidji Pilot PSR2 + 0.2439	5.04e4	87.9	NO
6	6	13C4-PFOS	1801963-02 Bemidji Pilot PSR2 + 0.2439	7.60e3	93.5	NO
7	7	13C6-PFDA	1801963-02 Bemidji Pilot PSR2 + 0.2439	4.92e4	82.9	NO
8	8	13C7-PFUdA	1801963-02 Bemidji Pilot PSR2 + 0.2439	5.79e4	90.4	NO

**Name: 180818M2\_16, Date: 18-Aug-2018, Time: 17:44:36, ID: 1801963-03 Bemidji Pilot INF 0.24699, Description: Bemidji Pilot INF**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801963-03 Bemidji Pilot INF 0.24699	2.60e4	136.1	NO
2	2	13C5-PFHxA	1801963-03 Bemidji Pilot INF 0.24699	4.72e4	77.9	NO
3	3	13C3-PFHxS	1801963-03 Bemidji Pilot INF 0.24699	5.30e3	77.6	NO
4	4	13C8-PFOA	1801963-03 Bemidji Pilot INF 0.24699	5.30e4	83.0	NO
5	5	13C9-PFNA	1801963-03 Bemidji Pilot INF 0.24699	4.82e4	84.0	NO
6	6	13C4-PFOS	1801963-03 Bemidji Pilot INF 0.24699	7.19e3	88.5	NO
7	7	13C6-PFDA	1801963-03 Bemidji Pilot INF 0.24699	4.89e4	82.5	NO
8	8	13C7-PFUdA	1801963-03 Bemidji Pilot INF 0.24699	5.66e4	88.3	NO

**Name: 180818M2\_17, Date: 18-Aug-2018, Time: 17:55:23, ID: B8G0097-BS1 OPR 1, Description: OPR**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0097-BS1 OPR 1	2.49e4	130.3	NO
2	2	13C5-PFHxA	B8G0097-BS1 OPR 1	4.57e4	75.4	NO
3	3	13C3-PFHxS	B8G0097-BS1 OPR 1	6.22e3	91.1	NO
4	4	13C8-PFOA	B8G0097-BS1 OPR 1	4.87e4	76.4	NO
5	5	13C9-PFNA	B8G0097-BS1 OPR 1	4.56e4	79.5	NO
6	6	13C4-PFOS	B8G0097-BS1 OPR 1	7.20e3	88.6	NO
7	7	13C6-PFDA	B8G0097-BS1 OPR 1	4.83e4	81.4	NO
8	8	13C7-PFUdA	B8G0097-BS1 OPR 1	5.52e4	86.1	NO

**Name: 180818M2\_18, Date: 18-Aug-2018, Time: 18:06:09, ID: B8G0238-BS1 OPR 0.25, Description: OPR**

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0238-BS1 OPR 0.25	2.65e4	138.6	NO
2	2	13C5-PFHxA	B8G0238-BS1 OPR 0.25	4.78e4	78.9	NO
3	3	13C3-PFHxS	B8G0238-BS1 OPR 0.25	5.73e3	83.9	NO
4	4	13C8-PFOA	B8G0238-BS1 OPR 0.25	5.16e4	80.8	NO
5	5	13C9-PFNA	B8G0238-BS1 OPR 0.25	4.37e4	76.2	NO
6	6	13C4-PFOS	B8G0238-BS1 OPR 0.25	6.63e3	81.6	NO
7	7	13C6-PFDA	B8G0238-BS1 OPR 0.25	4.72e4	79.5	NO
8	8	13C7-PFUdA	B8G0238-BS1 OPR 0.25	5.08e4	79.2	NO



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_19, Date: 18-Aug-2018, Time: 18:16:50, ID: B8G0238-MS1 Matrix Spike 0.24901, Description: Matrix Spike**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0238-MS1 Matrix Spike 0.24901	2.41e4	126.2	NO
2	2 13C5-PFHxA	B8G0238-MS1 Matrix Spike 0.24901	4.25e4	70.1	NO
3	3 13C3-PFHxS	B8G0238-MS1 Matrix Spike 0.24901	5.39e3	78.9	NO
4	4 13C8-PFOA	B8G0238-MS1 Matrix Spike 0.24901	4.73e4	74.1	NO
5	5 13C9-PFNA	B8G0238-MS1 Matrix Spike 0.24901	4.05e4	70.6	NO
6	6 13C4-PFOS	B8G0238-MS1 Matrix Spike 0.24901	6.25e3	76.8	NO
7	7 13C6-PFDA	B8G0238-MS1 Matrix Spike 0.24901	4.25e4	71.7	NO
8	8 13C7-PFUDa	B8G0238-MS1 Matrix Spike 0.24901	4.78e4	74.6	NO

**Name: 180818M2\_20, Date: 18-Aug-2018, Time: 18:27:36, ID: B8G0238-MSD1 Matrix Spike Dup 0.24586, Description: Matrix Spike Dup**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0238-MSD1 Matrix Spike Dup 0.245...	2.29e4	119.7	NO
2	2 13C5-PFHxA	B8G0238-MSD1 Matrix Spike Dup 0.245...	4.26e4	70.4	NO
3	3 13C3-PFHxS	B8G0238-MSD1 Matrix Spike Dup 0.245...	5.27e3	77.2	NO
4	4 13C8-PFOA	B8G0238-MSD1 Matrix Spike Dup 0.245...	4.57e4	71.5	NO
5	5 13C9-PFNA	B8G0238-MSD1 Matrix Spike Dup 0.245...	4.23e4	73.7	NO
6	6 13C4-PFOS	B8G0238-MSD1 Matrix Spike Dup 0.245...	5.78e3	71.0	NO
7	7 13C6-PFDA	B8G0238-MSD1 Matrix Spike Dup 0.245...	4.09e4	69.0	NO
8	8 13C7-PFUDa	B8G0238-MSD1 Matrix Spike Dup 0.245...	4.60e4	71.8	NO

**Name: 180818M2\_21, Date: 18-Aug-2018, Time: 18:38:18, ID: B8G0238-BLK1 Method Blank 0.25, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0238-BLK1 Method Blank 0.25	2.86e4	149.4	NO
2	2 13C5-PFHxA	B8G0238-BLK1 Method Blank 0.25	5.36e4	88.6	NO
3	3 13C3-PFHxS	B8G0238-BLK1 Method Blank 0.25	6.37e3	93.2	NO
4	4 13C8-PFOA	B8G0238-BLK1 Method Blank 0.25	5.72e4	89.6	NO
5	5 13C9-PFNA	B8G0238-BLK1 Method Blank 0.25	5.07e4	88.4	NO
6	6 13C4-PFOS	B8G0238-BLK1 Method Blank 0.25	7.34e3	90.4	NO
7	7 13C6-PFDA	B8G0238-BLK1 Method Blank 0.25	5.56e4	93.8	NO
8	8 13C7-PFUDa	B8G0238-BLK1 Method Blank 0.25	5.81e4	90.6	NO

**Name: 180818M2\_22, Date: 18-Aug-2018, Time: 18:49:04, ID: 1802055-01 Clarks-DW-072518 0.24525, Description: Clarks-DW-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-01 Clarks-DW-072518 0.24525	2.36e4	123.6	NO
2	2 13C5-PFHxA	1802055-01 Clarks-DW-072518 0.24525	4.22e4	69.7	NO
3	3 13C3-PFHxS	1802055-01 Clarks-DW-072518 0.24525	5.34e3	78.1	NO
4	4 13C8-PFOA	1802055-01 Clarks-DW-072518 0.24525	4.79e4	75.1	NO
5	5 13C9-PFNA	1802055-01 Clarks-DW-072518 0.24525	4.21e4	73.4	NO
6	6 13C4-PFOS	1802055-01 Clarks-DW-072518 0.24525	6.10e3	75.0	NO
7	7 13C6-PFDA	1802055-01 Clarks-DW-072518 0.24525	4.38e4	73.9	NO
8	8 13C7-PFUDa	1802055-01 Clarks-DW-072518 0.24525	4.87e4	75.9	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_23, Date: 18-Aug-2018, Time: 18:59:44, ID: 1802055-02 Clarks-FB-072518 0.2438, Description: Clarks-FB-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-02 Clarks-FB-072518 0.2438	2.78e4	145.2	NO
2	2 13C5-PFHxA	1802055-02 Clarks-FB-072518 0.2438	5.18e4	85.5	NO
3	3 13C3-PFHxS	1802055-02 Clarks-FB-072518 0.2438	6.03e3	88.3	NO
4	4 13C8-PFOA	1802055-02 Clarks-FB-072518 0.2438	5.43e4	85.1	NO
5	5 13C9-PFNA	1802055-02 Clarks-FB-072518 0.2438	5.01e4	87.4	NO
6	6 13C4-PFOS	1802055-02 Clarks-FB-072518 0.2438	6.86e3	84.4	NO
7	7 13C6-PFDA	1802055-02 Clarks-FB-072518 0.2438	4.99e4	84.1	NO
8	8 13C7-PFUDa	1802055-02 Clarks-FB-072518 0.2438	5.34e4	83.2	NO

**Name: 180818M2\_24, Date: 18-Aug-2018, Time: 19:10:31, ID: 1802055-03 Shop Pasture-DW-072518 0.24056, Description: Shop Pasture-DW-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-03 Shop Pasture-DW-072518 ...	2.32e4	121.5	NO
2	2 13C5-PFHxA	1802055-03 Shop Pasture-DW-072518 ...	4.20e4	69.3	NO
3	3 13C3-PFHxS	1802055-03 Shop Pasture-DW-072518 ...	5.86e3	85.7	NO
4	4 13C8-PFOA	1802055-03 Shop Pasture-DW-072518 ...	4.73e4	74.2	NO
5	5 13C9-PFNA	1802055-03 Shop Pasture-DW-072518 ...	4.28e4	74.5	NO
6	6 13C4-PFOS	1802055-03 Shop Pasture-DW-072518 ...	6.63e3	81.5	NO
7	7 13C6-PFDA	1802055-03 Shop Pasture-DW-072518 ...	4.55e4	76.8	NO
8	8 13C7-PFUDa	1802055-03 Shop Pasture-DW-072518 ...	4.81e4	75.0	NO

**Name: 180818M2\_25, Date: 18-Aug-2018, Time: 19:21:11, ID: 1802055-04 Shop Pasture-FB-072518 0.24217, Description: Shop Pasture-FB-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-04 Shop Pasture-FB-072518 0...	2.41e4	125.8	NO
2	2 13C5-PFHxA	1802055-04 Shop Pasture-FB-072518 0...	4.53e4	74.9	NO
3	3 13C3-PFHxS	1802055-04 Shop Pasture-FB-072518 0...	5.25e3	76.9	NO
4	4 13C8-PFOA	1802055-04 Shop Pasture-FB-072518 0...	4.82e4	75.5	NO
5	5 13C9-PFNA	1802055-04 Shop Pasture-FB-072518 0...	4.30e4	75.0	NO
6	6 13C4-PFOS	1802055-04 Shop Pasture-FB-072518 0...	5.97e3	73.4	NO
7	7 13C6-PFDA	1802055-04 Shop Pasture-FB-072518 0...	4.44e4	74.8	NO
8	8 13C7-PFUDa	1802055-04 Shop Pasture-FB-072518 0...	4.79e4	74.7	NO

**Name: 180818M2\_26, Date: 18-Aug-2018, Time: 19:31:57, ID: 1802055-05 Welder HQ-DW-072518 0.24023, Description: Welder HQ-DW-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-05 Welder HQ-DW-072518 0.2...	2.42e4	126.5	NO
2	2 13C5-PFHxA	1802055-05 Welder HQ-DW-072518 0.2...	4.36e4	71.9	NO
3	3 13C3-PFHxS	1802055-05 Welder HQ-DW-072518 0.2...	6.04e3	88.4	NO
4	4 13C8-PFOA	1802055-05 Welder HQ-DW-072518 0.2...	5.04e4	79.0	NO
5	5 13C9-PFNA	1802055-05 Welder HQ-DW-072518 0.2...	4.64e4	80.9	NO
6	6 13C4-PFOS	1802055-05 Welder HQ-DW-072518 0.2...	7.03e3	86.5	NO
7	7 13C6-PFDA	1802055-05 Welder HQ-DW-072518 0.2...	4.47e4	75.4	NO
8	8 13C7-PFUDa	1802055-05 Welder HQ-DW-072518 0.2...	5.05e4	78.7	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_27, Date: 18-Aug-2018, Time: 19:42:38, ID: 1802055-06 Welder HQ-FB-072518 0.24084, Description: Welder HQ-FB-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-06 Welder HQ-FB-072518 0.2...	2.73e4	142.8	NO
2	2 13C5-PFHxA	1802055-06 Welder HQ-FB-072518 0.2...	4.91e4	81.1	NO
3	3 13C3-PFHxS	1802055-06 Welder HQ-FB-072518 0.2...	5.81e3	85.1	NO
4	4 13C8-PFOA	1802055-06 Welder HQ-FB-072518 0.2...	5.65e4	88.6	NO
5	5 13C9-PFNA	1802055-06 Welder HQ-FB-072518 0.2...	5.08e4	88.5	NO
6	6 13C4-PFOS	1802055-06 Welder HQ-FB-072518 0.2...	6.93e3	85.2	NO
7	7 13C6-PFDA	1802055-06 Welder HQ-FB-072518 0.2...	5.11e4	86.2	NO
8	8 13C7-PFUDa	1802055-06 Welder HQ-FB-072518 0.2...	5.60e4	87.4	NO

**Name: 180818M2\_28, Date: 18-Aug-2018, Time: 19:53:25, ID: 1802055-07 Lupes House-DW-072518 0.23934, Description: Lupes House-DW-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-07 Lupes House-DW-072518 ...	2.16e4	113.0	NO
2	2 13C5-PFHxA	1802055-07 Lupes House-DW-072518 ...	4.09e4	67.6	NO
3	3 13C3-PFHxS	1802055-07 Lupes House-DW-072518 ...	5.04e3	73.8	NO
4	4 13C8-PFOA	1802055-07 Lupes House-DW-072518 ...	4.50e4	70.5	NO
5	5 13C9-PFNA	1802055-07 Lupes House-DW-072518 ...	4.05e4	70.7	NO
6	6 13C4-PFOS	1802055-07 Lupes House-DW-072518 ...	5.60e3	68.9	NO
7	7 13C6-PFDA	1802055-07 Lupes House-DW-072518 ...	4.20e4	70.9	NO
8	8 13C7-PFUDa	1802055-07 Lupes House-DW-072518 ...	4.49e4	70.0	NO

**Name: 180818M2\_29, Date: 18-Aug-2018, Time: 20:04:11, ID: 1802055-08 Lupes House-FB-072518 0.22021, Description: Lupes House-FB-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-08 Lupes House-FB-072518 0....	2.52e4	131.7	NO
2	2 13C5-PFHxA	1802055-08 Lupes House-FB-072518 0....	4.63e4	76.5	NO
3	3 13C3-PFHxS	1802055-08 Lupes House-FB-072518 0....	5.51e3	80.7	NO
4	4 13C8-PFOA	1802055-08 Lupes House-FB-072518 0....	5.07e4	79.5	NO
5	5 13C9-PFNA	1802055-08 Lupes House-FB-072518 0....	4.46e4	77.8	NO
6	6 13C4-PFOS	1802055-08 Lupes House-FB-072518 0....	6.14e3	75.5	NO
7	7 13C6-PFDA	1802055-08 Lupes House-FB-072518 0....	4.44e4	74.8	NO
8	8 13C7-PFUDa	1802055-08 Lupes House-FB-072518 0....	5.01e4	78.2	NO

**Name: 180818M2\_30, Date: 18-Aug-2018, Time: 20:14:52, ID: 1802055-09 Charlies-DW-072518 0.24358, Description: Charlies-DW-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-09 Charlies-DW-072518 0.243...	2.56e4	133.9	NO
2	2 13C5-PFHxA	1802055-09 Charlies-DW-072518 0.243...	4.85e4	80.1	NO
3	3 13C3-PFHxS	1802055-09 Charlies-DW-072518 0.243...	6.33e3	92.6	NO
4	4 13C8-PFOA	1802055-09 Charlies-DW-072518 0.243...	5.39e4	84.5	NO
5	5 13C9-PFNA	1802055-09 Charlies-DW-072518 0.243...	4.86e4	84.7	NO
6	6 13C4-PFOS	1802055-09 Charlies-DW-072518 0.243...	7.57e3	93.1	NO
7	7 13C6-PFDA	1802055-09 Charlies-DW-072518 0.243...	4.97e4	83.8	NO
8	8 13C7-PFUDa	1802055-09 Charlies-DW-072518 0.243...	5.58e4	87.1	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_31, Date: 18-Aug-2018, Time: 20:25:39, ID: 1802055-10 Charlies-FB-072518 0.2447,**  
**Description: Charlies-FB-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-10 Charlies-FB-072518 0.2447	2.42e4	126.3	NO
2	2 13C5-PFHxA	1802055-10 Charlies-FB-072518 0.2447	4.44e4	73.4	NO
3	3 13C3-PFHxS	1802055-10 Charlies-FB-072518 0.2447	5.20e3	76.1	NO
4	4 13C8-PFOA	1802055-10 Charlies-FB-072518 0.2447	4.75e4	74.4	NO
5	5 13C9-PFNA	1802055-10 Charlies-FB-072518 0.2447	4.20e4	73.3	NO
6	6 13C4-PFOS	1802055-10 Charlies-FB-072518 0.2447	5.95e3	73.2	NO
7	7 13C6-PFDA	1802055-10 Charlies-FB-072518 0.2447	4.68e4	78.9	NO
8	8 13C7-PFUdA	1802055-10 Charlies-FB-072518 0.2447	4.78e4	74.6	NO

**Name: 180818M2\_32, Date: 18-Aug-2018, Time: 20:36:20, ID: 1802055-11 Hortzendorf-DW-072518 0.23788,**  
**Description: Hortzendorf-DW-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-11 Hortzendorf-DW-072518 0....	2.41e4	125.8	NO
2	2 13C5-PFHxA	1802055-11 Hortzendorf-DW-072518 0....	4.45e4	73.5	NO
3	3 13C3-PFHxS	1802055-11 Hortzendorf-DW-072518 0....	5.57e3	81.6	NO
4	4 13C8-PFOA	1802055-11 Hortzendorf-DW-072518 0....	5.17e4	81.0	NO
5	5 13C9-PFNA	1802055-11 Hortzendorf-DW-072518 0....	4.69e4	81.8	NO
6	6 13C4-PFOS	1802055-11 Hortzendorf-DW-072518 0....	6.38e3	78.5	NO
7	7 13C6-PFDA	1802055-11 Hortzendorf-DW-072518 0....	4.80e4	81.0	NO
8	8 13C7-PFUdA	1802055-11 Hortzendorf-DW-072518 0....	5.23e4	81.5	NO

**Name: 180818M2\_33, Date: 18-Aug-2018, Time: 20:47:07, ID: 1802055-12 Hortzendorf-FB-072518 0.2423,**  
**Description: Hortzendorf-FB-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-12 Hortzendorf-FB-072518 0.2...	2.56e4	133.7	NO
2	2 13C5-PFHxA	1802055-12 Hortzendorf-FB-072518 0.2...	4.68e4	77.2	NO
3	3 13C3-PFHxS	1802055-12 Hortzendorf-FB-072518 0.2...	5.73e3	83.9	NO
4	4 13C8-PFOA	1802055-12 Hortzendorf-FB-072518 0.2...	4.87e4	76.4	NO
5	5 13C9-PFNA	1802055-12 Hortzendorf-FB-072518 0.2...	4.68e4	81.6	NO
6	6 13C4-PFOS	1802055-12 Hortzendorf-FB-072518 0.2...	6.11e3	75.2	NO
7	7 13C6-PFDA	1802055-12 Hortzendorf-FB-072518 0.2...	5.04e4	84.9	NO
8	8 13C7-PFUdA	1802055-12 Hortzendorf-FB-072518 0.2...	5.13e4	79.9	NO

**Name: 180818M2\_34, Date: 18-Aug-2018, Time: 20:57:47, ID: 1802055-13 Charlies Pasture-DW-072518 0.24128,**  
**Description: Charlies Pasture-DW-072518**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-13 Charlies Pasture-DW-0725...	2.68e4	140.3	NO
2	2 13C5-PFHxA	1802055-13 Charlies Pasture-DW-0725...	4.59e4	75.8	NO
3	3 13C3-PFHxS	1802055-13 Charlies Pasture-DW-0725...	4.85e3	71.0	NO
4	4 13C8-PFOA	1802055-13 Charlies Pasture-DW-0725...	4.66e4	73.0	NO
5	5 13C9-PFNA	1802055-13 Charlies Pasture-DW-0725...	4.81e4	83.9	NO
6	6 13C4-PFOS	1802055-13 Charlies Pasture-DW-0725...	5.24e3	64.5	NO
7	7 13C6-PFDA	1802055-13 Charlies Pasture-DW-0725...	5.33e4	89.8	NO
8	8 13C7-PFUdA	1802055-13 Charlies Pasture-DW-0725...	5.52e4	86.2	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_35, Date: 18-Aug-2018, Time: 21:08:34, ID: 1802055-14 Charlies Pasture-FB-072518 0.23717, Description: Charlies Pasture-FB-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-14 Charlies Pasture-FB-07251...	2.62e4	136.8	NO
2	2 13C5-PFHxA	1802055-14 Charlies Pasture-FB-07251...	4.86e4	80.2	NO
3	3 13C3-PFHxS	1802055-14 Charlies Pasture-FB-07251...	5.68e3	83.2	NO
4	4 13C8-PFOA	1802055-14 Charlies Pasture-FB-07251...	5.20e4	81.4	NO
5	5 13C9-PFNA	1802055-14 Charlies Pasture-FB-07251...	4.70e4	81.9	NO
6	6 13C4-PFOS	1802055-14 Charlies Pasture-FB-07251...	6.43e3	79.0	NO
7	7 13C6-PFDA	1802055-14 Charlies Pasture-FB-07251...	5.09e4	85.8	NO
8	8 13C7-PFUdA	1802055-14 Charlies Pasture-FB-07251...	5.21e4	81.2	NO

**Name: 180818M2\_36, Date: 18-Aug-2018, Time: 21:19:13, ID: IPA, Description: IPA**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.86e0	0.0	YES
2	2 13C5-PFHxA	IPA	1.29e1	0.0	YES
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA	1.03e1	0.0	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: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-11 PFC CS3 18H0906	1.90e4	99.4	NO
2	2 13C5-PFHxA	ST180818M2-11 PFC CS3 18H0906	5.37e4	88.7	NO
3	3 13C3-PFHxS	ST180818M2-11 PFC CS3 18H0906	8.75e3	128.1	NO
4	4 13C8-PFOA	ST180818M2-11 PFC CS3 18H0906	7.34e4	115.0	NO
5	5 13C9-PFNA	ST180818M2-11 PFC CS3 18H0906	6.97e4	121.5	NO
6	6 13C4-PFOS	ST180818M2-11 PFC CS3 18H0906	9.08e3	111.7	NO
7	7 13C6-PFDA	ST180818M2-11 PFC CS3 18H0906	7.03e4	118.6	NO
8	8 13C7-PFUdA	ST180818M2-11 PFC CS3 18H0906	7.23e4	112.7	NO

**Name: 180818M2\_38, Date: 18-Aug-2018, Time: 21:40:41, ID: 1802055-15 Shooting Range 1-DW-072518 0.24283, Description: Shooting Range 1-DW-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-15 Shooting Range 1-DW-072...	2.84e4	148.3	NO
2	2 13C5-PFHxA	1802055-15 Shooting Range 1-DW-072...	5.25e4	86.7	NO
3	3 13C3-PFHxS	1802055-15 Shooting Range 1-DW-072...	6.55e3	95.9	NO
4	4 13C8-PFOA	1802055-15 Shooting Range 1-DW-072...	6.09e4	95.5	NO
5	5 13C9-PFNA	1802055-15 Shooting Range 1-DW-072...	5.66e4	98.6	NO
6	6 13C4-PFOS	1802055-15 Shooting Range 1-DW-072...	7.57e3	93.1	NO
7	7 13C6-PFDA	1802055-15 Shooting Range 1-DW-072...	5.95e4	100.4	NO
8	8 13C7-PFUdA	1802055-15 Shooting Range 1-DW-072...	6.29e4	98.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_39, Date: 18-Aug-2018, Time: 21:51:28, ID: 1802055-16 Shooting Range 1-FB-072518 0.23819, Description: Shooting Range 1-FB-072518**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-16 Shooting Range 1-FB-0725...	2.53e4	132.2	NO
2	2 13C5-PFHxA	1802055-16 Shooting Range 1-FB-0725...	4.60e4	75.9	NO
3	3 13C3-PFHxS	1802055-16 Shooting Range 1-FB-0725...	5.39e3	78.9	NO
4	4 13C8-PFOA	1802055-16 Shooting Range 1-FB-0725...	4.99e4	78.2	NO
5	5 13C9-PFNA	1802055-16 Shooting Range 1-FB-0725...	4.64e4	80.9	NO
6	6 13C4-PFOS	1802055-16 Shooting Range 1-FB-0725...	6.13e3	75.4	NO
7	7 13C6-PFDA	1802055-16 Shooting Range 1-FB-0725...	4.77e4	80.4	NO
8	8 13C7-PFUDa	1802055-16 Shooting Range 1-FB-0725...	5.02e4	78.3	NO

**Name: 180818M2\_40, Date: 18-Aug-2018, Time: 22:02:09, ID: 1802055-17 DUP-1 0.24858, Description: DUP-1**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802055-17 DUP-1 0.24858	2.57e4	134.2	NO
2	2 13C5-PFHxA	1802055-17 DUP-1 0.24858	4.75e4	78.4	NO
3	3 13C3-PFHxS	1802055-17 DUP-1 0.24858	5.76e3	84.2	NO
4	4 13C8-PFOA	1802055-17 DUP-1 0.24858	4.86e4	76.1	NO
5	5 13C9-PFNA	1802055-17 DUP-1 0.24858	4.60e4	80.2	NO
6	6 13C4-PFOS	1802055-17 DUP-1 0.24858	7.16e3	88.1	NO
7	7 13C6-PFDA	1802055-17 DUP-1 0.24858	4.67e4	78.8	NO
8	8 13C7-PFUDa	1802055-17 DUP-1 0.24858	5.00e4	78.1	NO

**Name: 180818M2\_41, Date: 18-Aug-2018, Time: 22:12:55, ID: B8G0245-BS1 OPR 0.125, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0245-BS1 OPR 0.125	3.33e4	174.3	YES
2	2 13C5-PFHxA	B8G0245-BS1 OPR 0.125	6.13e4	101.2	NO
3	3 13C3-PFHxS	B8G0245-BS1 OPR 0.125	7.68e3	112.4	NO
4	4 13C8-PFOA	B8G0245-BS1 OPR 0.125	6.39e4	100.1	NO
5	5 13C9-PFNA	B8G0245-BS1 OPR 0.125	5.95e4	103.8	NO
6	6 13C4-PFOS	B8G0245-BS1 OPR 0.125	8.80e3	108.2	NO
7	7 13C6-PFDA	B8G0245-BS1 OPR 0.125	6.38e4	107.7	NO
8	8 13C7-PFUDa	B8G0245-BS1 OPR 0.125	6.78e4	105.8	NO

**Name: 180818M2\_42, Date: 18-Aug-2018, Time: 22:23:35, ID: B8G0245-BSD1 LCSD 0.125, Description: LCSD**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0245-BSD1 LCSD 0.125	6.74e4	352.2	YES
2	2 13C5-PFHxA	B8G0245-BSD1 LCSD 0.125	1.24e5	204.8	YES
3	3 13C3-PFHxS	B8G0245-BSD1 LCSD 0.125	1.49e4	218.3	YES
4	4 13C8-PFOA	B8G0245-BSD1 LCSD 0.125	1.33e5	208.7	YES
5	5 13C9-PFNA	B8G0245-BSD1 LCSD 0.125	1.18e5	206.1	YES
6	6 13C4-PFOS	B8G0245-BSD1 LCSD 0.125	1.71e4	210.5	YES
7	7 13C6-PFDA	B8G0245-BSD1 LCSD 0.125	1.25e5	210.9	YES
8	8 13C7-PFUDa	B8G0245-BSD1 LCSD 0.125	1.31e5	203.6	YES

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_43, Date: 18-Aug-2018, Time: 22:34:22, ID: B8G0245-BLK1 Method Blank 0.125, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0245-BLK1 Method Blank 0.125	3.21e4	168.0	YES
2	2 13C5-PFHxA	B8G0245-BLK1 Method Blank 0.125	5.75e4	95.0	NO
3	3 13C3-PFHxS	B8G0245-BLK1 Method Blank 0.125	7.06e3	103.3	NO
4	4 13C8-PFOA	B8G0245-BLK1 Method Blank 0.125	6.11e4	95.7	NO
5	5 13C9-PFNA	B8G0245-BLK1 Method Blank 0.125	5.46e4	95.1	NO
6	6 13C4-PFOS	B8G0245-BLK1 Method Blank 0.125	8.22e3	101.1	NO
7	7 13C6-PFDA	B8G0245-BLK1 Method Blank 0.125	5.81e4	98.0	NO
8	8 13C7-PFUDa	B8G0245-BLK1 Method Blank 0.125	6.34e4	98.8	NO

**Name: 180818M2\_44, Date: 18-Aug-2018, Time: 22:45:02, ID: 1801974-01 PFAS-STP-SO-EB01 0.09701, Description: PFAS-STP-SO-EB01**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801974-01 PFAS-STP-SO-EB01 0.097...	3.03e4	158.7	YES
2	2 13C5-PFHxA	1801974-01 PFAS-STP-SO-EB01 0.097...	5.56e4	91.7	NO
3	3 13C3-PFHxS	1801974-01 PFAS-STP-SO-EB01 0.097...	7.35e3	107.6	NO
4	4 13C8-PFOA	1801974-01 PFAS-STP-SO-EB01 0.097...	6.13e4	96.1	NO
5	5 13C9-PFNA	1801974-01 PFAS-STP-SO-EB01 0.097...	5.72e4	99.8	NO
6	6 13C4-PFOS	1801974-01 PFAS-STP-SO-EB01 0.097...	8.21e3	100.9	NO
7	7 13C6-PFDA	1801974-01 PFAS-STP-SO-EB01 0.097...	6.21e4	104.7	NO
8	8 13C7-PFUDa	1801974-01 PFAS-STP-SO-EB01 0.097...	6.58e4	102.7	NO

**Name: 180818M2\_45, Date: 18-Aug-2018, Time: 22:55:48, ID: 1802091-01 REEPDW1212 0.11629, Description: REEPDW1212**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802091-01 REEPDW1212 0.11629	2.68e4	140.4	NO
2	2 13C5-PFHxA	1802091-01 REEPDW1212 0.11629	4.76e4	78.6	NO
3	3 13C3-PFHxS	1802091-01 REEPDW1212 0.11629	6.39e3	93.5	NO
4	4 13C8-PFOA	1802091-01 REEPDW1212 0.11629	5.05e4	79.1	NO
5	5 13C9-PFNA	1802091-01 REEPDW1212 0.11629	3.77e4	65.7	NO
6	6 13C4-PFOS	1802091-01 REEPDW1212 0.11629	7.42e3	91.3	NO
7	7 13C6-PFDA	1802091-01 REEPDW1212 0.11629	4.94e4	83.2	NO
8	8 13C7-PFUDa	1802091-01 REEPDW1212 0.11629	5.17e4	80.7	NO

**Name: 180818M2\_46, Date: 18-Aug-2018, Time: 23:06:29, ID: 1802091-02 REEPDW1213 0.12052, Description: REEPDW1213**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802091-02 REEPDW1213 0.12052	1.81e5	944.8	YES
2	2 13C5-PFHxA	1802091-02 REEPDW1213 0.12052	3.12e5	516.0	YES
3	3 13C3-PFHxS	1802091-02 REEPDW1213 0.12052	4.37e4	639.3	YES
4	4 13C8-PFOA	1802091-02 REEPDW1213 0.12052	3.40e5	533.0	YES
5	5 13C9-PFNA	1802091-02 REEPDW1213 0.12052	2.29e5	399.0	YES
6	6 13C4-PFOS	1802091-02 REEPDW1213 0.12052	4.75e4	584.8	YES
7	7 13C6-PFDA	1802091-02 REEPDW1213 0.12052	2.67e5	450.3	YES
8	8 13C7-PFUDa	1802091-02 REEPDW1213 0.12052	9.66e4	150.8	YES

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_47, Date: 18-Aug-2018, Time: 23:17:15, ID: 1802091-03 REEPDW1214 0.11773, Description: REEPDW1214**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802091-03 REEPDW1214 0.11773	2.99e4	156.2	YES
2	2 13C5-PFHxA	1802091-03 REEPDW1214 0.11773	5.28e4	87.3	NO
3	3 13C3-PFHxS	1802091-03 REEPDW1214 0.11773	6.76e3	99.0	NO
4	4 13C8-PFOA	1802091-03 REEPDW1214 0.11773	5.68e4	89.0	NO
5	5 13C9-PFNA	1802091-03 REEPDW1214 0.11773	4.28e4	74.6	NO
6	6 13C4-PFOS	1802091-03 REEPDW1214 0.11773	7.46e3	91.8	NO
7	7 13C6-PFDA	1802091-03 REEPDW1214 0.11773	5.22e4	87.9	NO
8	8 13C7-PFUDa	1802091-03 REEPDW1214 0.11773	5.81e4	90.6	NO

**Name: 180818M2\_48, Date: 18-Aug-2018, Time: 23:27:56, ID: 1802091-04 REEPDW1215 0.12338, Description: REEPDW1215**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802091-04 REEPDW1215 0.12338	2.60e4	135.7	NO
2	2 13C5-PFHxA	1802091-04 REEPDW1215 0.12338	4.54e4	75.0	NO
3	3 13C3-PFHxS	1802091-04 REEPDW1215 0.12338	6.16e3	90.1	NO
4	4 13C8-PFOA	1802091-04 REEPDW1215 0.12338	5.10e4	79.9	NO
5	5 13C9-PFNA	1802091-04 REEPDW1215 0.12338	4.31e4	75.2	NO
6	6 13C4-PFOS	1802091-04 REEPDW1215 0.12338	7.17e3	88.2	NO
7	7 13C6-PFDA	1802091-04 REEPDW1215 0.12338	4.65e4	78.4	NO
8	8 13C7-PFUDa	1802091-04 REEPDW1215 0.12338	4.78e4	74.6	NO

**Name: 180818M2\_49, Date: 18-Aug-2018, Time: 23:38:43, ID: 1802091-05 REEPDW1216 0.11745, Description: REEPDW1216**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802091-05 REEPDW1216 0.11745	2.65e4	138.7	NO
2	2 13C5-PFHxA	1802091-05 REEPDW1216 0.11745	4.92e4	81.3	NO
3	3 13C3-PFHxS	1802091-05 REEPDW1216 0.11745	6.48e3	94.9	NO
4	4 13C8-PFOA	1802091-05 REEPDW1216 0.11745	5.41e4	84.8	NO
5	5 13C9-PFNA	1802091-05 REEPDW1216 0.11745	4.31e4	75.1	NO
6	6 13C4-PFOS	1802091-05 REEPDW1216 0.11745	7.51e3	92.4	NO
7	7 13C6-PFDA	1802091-05 REEPDW1216 0.11745	4.92e4	82.9	NO
8	8 13C7-PFUDa	1802091-05 REEPDW1216 0.11745	5.22e4	81.4	NO

**Name: 180818M2\_50, Date: 18-Aug-2018, Time: 23:49:24, ID: 1802092-01 REEPDW1212FRB 0.11995, Description: REEPDW1212FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802092-01 REEPDW1212FRB 0.11995	3.98e4	208.2	YES
2	2 13C5-PFHxA	1802092-01 REEPDW1212FRB 0.11995	7.34e4	121.1	NO
3	3 13C3-PFHxS	1802092-01 REEPDW1212FRB 0.11995	8.83e3	129.3	NO
4	4 13C8-PFOA	1802092-01 REEPDW1212FRB 0.11995	8.04e4	125.9	NO
5	5 13C9-PFNA	1802092-01 REEPDW1212FRB 0.11995	7.22e4	125.9	NO
6	6 13C4-PFOS	1802092-01 REEPDW1212FRB 0.11995	1.04e4	128.1	NO
7	7 13C6-PFDA	1802092-01 REEPDW1212FRB 0.11995	7.68e4	129.5	NO
8	8 13C7-PFUDa	1802092-01 REEPDW1212FRB 0.11995	7.80e4	121.7	NO



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_51, Date: 19-Aug-2018, Time: 00:00:10, ID: 1802092-02 REEPDW1213FRB 0.1184, Description: REEPDW1213FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802092-02 REEPDW1213FRB 0.1184	3.14e4	164.4	YES
2	2 13C5-PFHxA	1802092-02 REEPDW1213FRB 0.1184	5.59e4	92.3	NO
3	3 13C3-PFHxS	1802092-02 REEPDW1213FRB 0.1184	7.31e3	107.0	NO
4	4 13C8-PFOA	1802092-02 REEPDW1213FRB 0.1184	6.33e4	99.1	NO
5	5 13C9-PFNA	1802092-02 REEPDW1213FRB 0.1184	5.64e4	98.2	NO
6	6 13C4-PFOS	1802092-02 REEPDW1213FRB 0.1184	7.94e3	97.6	NO
7	7 13C6-PFDA	1802092-02 REEPDW1213FRB 0.1184	6.02e4	101.4	NO
8	8 13C7-PFUDa	1802092-02 REEPDW1213FRB 0.1184	6.23e4	97.1	NO

**Name: 180818M2\_52, Date: 19-Aug-2018, Time: 00:10:56, ID: 1802092-03 REEPDW1214FRB 0.11426, Description: REEPDW1214FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802092-03 REEPDW1214FRB 0.11426	3.18e4	166.2	YES
2	2 13C5-PFHxA	1802092-03 REEPDW1214FRB 0.11426	5.85e4	96.6	NO
3	3 13C3-PFHxS	1802092-03 REEPDW1214FRB 0.11426	7.58e3	110.9	NO
4	4 13C8-PFOA	1802092-03 REEPDW1214FRB 0.11426	6.42e4	100.7	NO
5	5 13C9-PFNA	1802092-03 REEPDW1214FRB 0.11426	5.66e4	98.7	NO
6	6 13C4-PFOS	1802092-03 REEPDW1214FRB 0.11426	8.34e3	102.6	NO
7	7 13C6-PFDA	1802092-03 REEPDW1214FRB 0.11426	5.75e4	97.0	NO
8	8 13C7-PFUDa	1802092-03 REEPDW1214FRB 0.11426	6.37e4	99.3	NO

**Name: 180818M2\_53, Date: 19-Aug-2018, Time: 00:21:37, ID: 1802092-04 REEPDW1215FRB 0.11712, Description: REEPDW1215FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802092-04 REEPDW1215FRB 0.11712	3.30e4	172.3	YES
2	2 13C5-PFHxA	1802092-04 REEPDW1215FRB 0.11712	6.21e4	102.6	NO
3	3 13C3-PFHxS	1802092-04 REEPDW1215FRB 0.11712	7.25e3	106.1	NO
4	4 13C8-PFOA	1802092-04 REEPDW1215FRB 0.11712	6.54e4	102.4	NO
5	5 13C9-PFNA	1802092-04 REEPDW1215FRB 0.11712	5.59e4	97.4	NO
6	6 13C4-PFOS	1802092-04 REEPDW1215FRB 0.11712	8.63e3	106.2	NO
7	7 13C6-PFDA	1802092-04 REEPDW1215FRB 0.11712	6.08e4	102.6	NO
8	8 13C7-PFUDa	1802092-04 REEPDW1215FRB 0.11712	6.48e4	101.1	NO

**Name: 180818M2\_54, Date: 19-Aug-2018, Time: 00:32:24, ID: 1802092-05 REEPDW1216FRB 0.1201, Description: REEPDW1216FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802092-05 REEPDW1216FRB 0.1201	3.11e4	162.4	YES
2	2 13C5-PFHxA	1802092-05 REEPDW1216FRB 0.1201	5.91e4	97.6	NO
3	3 13C3-PFHxS	1802092-05 REEPDW1216FRB 0.1201	7.28e3	106.5	NO
4	4 13C8-PFOA	1802092-05 REEPDW1216FRB 0.1201	6.20e4	97.1	NO
5	5 13C9-PFNA	1802092-05 REEPDW1216FRB 0.1201	5.25e4	91.6	NO
6	6 13C4-PFOS	1802092-05 REEPDW1216FRB 0.1201	8.01e3	98.6	NO
7	7 13C6-PFDA	1802092-05 REEPDW1216FRB 0.1201	5.63e4	95.0	NO
8	8 13C7-PFUDa	1802092-05 REEPDW1216FRB 0.1201	6.13e4	95.7	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_55, Date: 19-Aug-2018, Time: 00:43:10, ID: 1802095-01 REEPDW1218 0.11778, Description: REEPDW1218**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802095-01 REEPDW1218 0.11778	3.88e4	202.9	YES
2	2 13C5-PFHxA	1802095-01 REEPDW1218 0.11778	7.33e4	121.1	NO
3	3 13C3-PFHxS	1802095-01 REEPDW1218 0.11778	9.22e3	135.0	NO
4	4 13C8-PFOA	1802095-01 REEPDW1218 0.11778	8.03e4	125.9	NO
5	5 13C9-PFNA	1802095-01 REEPDW1218 0.11778	6.50e4	113.4	NO
6	6 13C4-PFOS	1802095-01 REEPDW1218 0.11778	1.04e4	128.0	NO
7	7 13C6-PFDA	1802095-01 REEPDW1218 0.11778	7.31e4	123.3	NO
8	8 13C7-PFUDa	1802095-01 REEPDW1218 0.11778	7.69e4	119.9	NO

**Name: 180818M2\_56, Date: 19-Aug-2018, Time: 00:53:52, ID: IPA, Description: IPA**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	1.85e1	0.0	YES
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA	2.09e1	0.0	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: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-12 PFC CS3 18H0906	2.02e4	105.6	NO
2	2 13C5-PFHxA	ST180818M2-12 PFC CS3 18H0906	6.11e4	100.9	NO
3	3 13C3-PFHxS	ST180818M2-12 PFC CS3 18H0906	8.93e3	130.8	NO
4	4 13C8-PFOA	ST180818M2-12 PFC CS3 18H0906	8.15e4	127.8	NO
5	5 13C9-PFNA	ST180818M2-12 PFC CS3 18H0906	7.35e4	128.1	NO
6	6 13C4-PFOS	ST180818M2-12 PFC CS3 18H0906	9.50e3	116.9	NO
7	7 13C6-PFDA	ST180818M2-12 PFC CS3 18H0906	7.54e4	127.2	NO
8	8 13C7-PFUDa	ST180818M2-12 PFC CS3 18H0906	7.77e4	121.2	NO

**Name: 180818M2\_58, Date: 19-Aug-2018, Time: 01:15:16, ID: 1802095-02 REEPDW1217 0.12064, Description: REEPDW1217**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802095-02 REEPDW1217 0.12064	2.67e4	139.7	NO
2	2 13C5-PFHxA	1802095-02 REEPDW1217 0.12064	5.08e4	83.8	NO
3	3 13C3-PFHxS	1802095-02 REEPDW1217 0.12064	6.80e3	99.5	NO
4	4 13C8-PFOA	1802095-02 REEPDW1217 0.12064	5.68e4	88.9	NO
5	5 13C9-PFNA	1802095-02 REEPDW1217 0.12064	3.98e4	69.4	NO
6	6 13C4-PFOS	1802095-02 REEPDW1217 0.12064	8.04e3	98.9	NO
7	7 13C6-PFDA	1802095-02 REEPDW1217 0.12064	5.29e4	89.1	NO
8	8 13C7-PFUDa	1802095-02 REEPDW1217 0.12064	5.80e4	90.5	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_59, Date: 19-Aug-2018, Time: 01:25:58, ID: 1802095-03 REEPDW1219 0.1196, Description: REEPDW1219**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802095-03 REEPDW1219 0.1196	3.11e4	162.5	YES
2	2 13C5-PFHxA	1802095-03 REEPDW1219 0.1196	5.45e4	90.0	NO
3	3 13C3-PFHxS	1802095-03 REEPDW1219 0.1196	6.77e3	99.1	NO
4	4 13C8-PFOA	1802095-03 REEPDW1219 0.1196	6.34e4	99.3	NO
5	5 13C9-PFNA	1802095-03 REEPDW1219 0.1196	5.21e4	90.8	NO
6	6 13C4-PFOS	1802095-03 REEPDW1219 0.1196	8.18e3	100.6	NO
7	7 13C6-PFDA	1802095-03 REEPDW1219 0.1196	5.87e4	99.0	NO
8	8 13C7-PFUDa	1802095-03 REEPDW1219 0.1196	6.10e4	95.1	NO

**Name: 180818M2\_60, Date: 19-Aug-2018, Time: 01:36:45, ID: 1802096-01 REEPDW1218FRB 0.12181, Description: REEPDW1218FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802096-01 REEPDW1218FRB 0.12181	3.21e4	167.8	YES
2	2 13C5-PFHxA	1802096-01 REEPDW1218FRB 0.12181	5.87e4	97.0	NO
3	3 13C3-PFHxS	1802096-01 REEPDW1218FRB 0.12181	7.53e3	110.2	NO
4	4 13C8-PFOA	1802096-01 REEPDW1218FRB 0.12181	6.31e4	98.9	NO
5	5 13C9-PFNA	1802096-01 REEPDW1218FRB 0.12181	5.75e4	100.2	NO
6	6 13C4-PFOS	1802096-01 REEPDW1218FRB 0.12181	8.68e3	106.8	NO
7	7 13C6-PFDA	1802096-01 REEPDW1218FRB 0.12181	6.25e4	105.4	NO
8	8 13C7-PFUDa	1802096-01 REEPDW1218FRB 0.12181	6.50e4	101.4	NO

**Name: 180818M2\_61, Date: 19-Aug-2018, Time: 01:47:26, ID: 1802096-02 REEPDW1217FRB 0.12124, Description: REEPDW1217FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802096-02 REEPDW1217FRB 0.12124	3.06e4	160.0	YES
2	2 13C5-PFHxA	1802096-02 REEPDW1217FRB 0.12124	5.64e4	93.1	NO
3	3 13C3-PFHxS	1802096-02 REEPDW1217FRB 0.12124	7.28e3	106.6	NO
4	4 13C8-PFOA	1802096-02 REEPDW1217FRB 0.12124	6.31e4	98.9	NO
5	5 13C9-PFNA	1802096-02 REEPDW1217FRB 0.12124	5.64e4	98.3	NO
6	6 13C4-PFOS	1802096-02 REEPDW1217FRB 0.12124	8.23e3	101.2	NO
7	7 13C6-PFDA	1802096-02 REEPDW1217FRB 0.12124	5.94e4	100.2	NO
8	8 13C7-PFUDa	1802096-02 REEPDW1217FRB 0.12124	6.14e4	95.8	NO

**Name: 180818M2\_62, Date: 19-Aug-2018, Time: 01:58:12, ID: 1802096-03 REEPDW1219FRB 0.11784, Description: REEPDW1219FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802096-03 REEPDW1219FRB 0.11784	3.30e4	172.5	YES
2	2 13C5-PFHxA	1802096-03 REEPDW1219FRB 0.11784	6.07e4	100.2	NO
3	3 13C3-PFHxS	1802096-03 REEPDW1219FRB 0.11784	7.60e3	111.3	NO
4	4 13C8-PFOA	1802096-03 REEPDW1219FRB 0.11784	6.34e4	99.3	NO
5	5 13C9-PFNA	1802096-03 REEPDW1219FRB 0.11784	5.62e4	98.0	NO
6	6 13C4-PFOS	1802096-03 REEPDW1219FRB 0.11784	8.52e3	104.8	NO
7	7 13C6-PFDA	1802096-03 REEPDW1219FRB 0.11784	6.22e4	104.9	NO
8	8 13C7-PFUDa	1802096-03 REEPDW1219FRB 0.11784	6.44e4	100.4	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_63, Date: 19-Aug-2018, Time: 02:08:54, ID: 1802115-01 REEPDW1220FRB 0.1158, Description: REEPDW1220FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-01 REEPDW1220FRB 0.1158	2.97e4	155.2	YES
2	2 13C5-PFHxA	1802115-01 REEPDW1220FRB 0.1158	5.52e4	91.1	NO
3	3 13C3-PFHxS	1802115-01 REEPDW1220FRB 0.1158	6.27e3	91.8	NO
4	4 13C8-PFOA	1802115-01 REEPDW1220FRB 0.1158	6.05e4	94.8	NO
5	5 13C9-PFNA	1802115-01 REEPDW1220FRB 0.1158	5.29e4	92.3	NO
6	6 13C4-PFOS	1802115-01 REEPDW1220FRB 0.1158	7.19e3	88.4	NO
7	7 13C6-PFDA	1802115-01 REEPDW1220FRB 0.1158	5.51e4	92.9	NO
8	8 13C7-PFUDa	1802115-01 REEPDW1220FRB 0.1158	5.70e4	88.8	NO

**Name: 180818M2\_64, Date: 19-Aug-2018, Time: 02:19:40, ID: 1802115-02 REEPDW1221FRB 0.11562, Description: REEPDW1221FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-02 REEPDW1221FRB 0.11562	3.79e4	198.2	YES
2	2 13C5-PFHxA	1802115-02 REEPDW1221FRB 0.11562	6.74e4	111.3	NO
3	3 13C3-PFHxS	1802115-02 REEPDW1221FRB 0.11562	8.46e3	123.9	NO
4	4 13C8-PFOA	1802115-02 REEPDW1221FRB 0.11562	7.17e4	112.3	NO
5	5 13C9-PFNA	1802115-02 REEPDW1221FRB 0.11562	6.54e4	114.0	NO
6	6 13C4-PFOS	1802115-02 REEPDW1221FRB 0.11562	9.50e3	116.9	NO
7	7 13C6-PFDA	1802115-02 REEPDW1221FRB 0.11562	6.83e4	115.2	NO
8	8 13C7-PFUDa	1802115-02 REEPDW1221FRB 0.11562	7.22e4	112.6	NO

**Name: 180818M2\_65, Date: 19-Aug-2018, Time: 02:30:22, ID: 1802115-03 REEPDW1223FRB 0.11727, Description: REEPDW1223FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-03 REEPDW1223FRB 0.11727	2.68e4	140.1	NO
2	2 13C5-PFHxA	1802115-03 REEPDW1223FRB 0.11727	5.01e4	82.7	NO
3	3 13C3-PFHxS	1802115-03 REEPDW1223FRB 0.11727	5.79e3	84.8	NO
4	4 13C8-PFOA	1802115-03 REEPDW1223FRB 0.11727	5.42e4	85.0	NO
5	5 13C9-PFNA	1802115-03 REEPDW1223FRB 0.11727	4.61e4	80.4	NO
6	6 13C4-PFOS	1802115-03 REEPDW1223FRB 0.11727	6.48e3	79.7	NO
7	7 13C6-PFDA	1802115-03 REEPDW1223FRB 0.11727	4.95e4	83.5	NO
8	8 13C7-PFUDa	1802115-03 REEPDW1223FRB 0.11727	5.22e4	81.4	NO

**Name: 180818M2\_66, Date: 19-Aug-2018, Time: 02:41:08, ID: 1802115-04 REEPDW1224FRB 0.11767, Description: REEPDW1224FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-04 REEPDW1224FRB 0.11767	2.69e4	140.7	NO
2	2 13C5-PFHxA	1802115-04 REEPDW1224FRB 0.11767	4.90e4	80.9	NO
3	3 13C3-PFHxS	1802115-04 REEPDW1224FRB 0.11767	5.93e3	86.8	NO
4	4 13C8-PFOA	1802115-04 REEPDW1224FRB 0.11767	5.25e4	82.3	NO
5	5 13C9-PFNA	1802115-04 REEPDW1224FRB 0.11767	4.79e4	83.5	NO
6	6 13C4-PFOS	1802115-04 REEPDW1224FRB 0.11767	6.57e3	80.8	NO
7	7 13C6-PFDA	1802115-04 REEPDW1224FRB 0.11767	4.90e4	82.6	NO
8	8 13C7-PFUDa	1802115-04 REEPDW1224FRB 0.11767	5.28e4	82.3	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_67, Date: 19-Aug-2018, Time: 02:51:49, ID: 1802115-05 REEPDW1222FRB 0.11639, Description: REEPDW1222FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-05 REEPDW1222FRB 0.11639	3.48e4	181.7	YES
2	2 13C5-PFHxA	1802115-05 REEPDW1222FRB 0.11639	6.35e4	104.8	NO
3	3 13C3-PFHxS	1802115-05 REEPDW1222FRB 0.11639	7.58e3	110.9	NO
4	4 13C8-PFOA	1802115-05 REEPDW1222FRB 0.11639	6.91e4	108.3	NO
5	5 13C9-PFNA	1802115-05 REEPDW1222FRB 0.11639	5.78e4	100.7	NO
6	6 13C4-PFOS	1802115-05 REEPDW1222FRB 0.11639	8.69e3	106.9	NO
7	7 13C6-PFDA	1802115-05 REEPDW1222FRB 0.11639	6.38e4	107.6	NO
8	8 13C7-PFUDa	1802115-05 REEPDW1222FRB 0.11639	6.84e4	106.7	NO

**Name: 180818M2\_68, Date: 19-Aug-2018, Time: 03:02:28, ID: 1802115-06 REEPDW1225FRB 0.11206, Description: REEPDW1225FRB**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-06 REEPDW1225FRB 0.11206	3.79e4	198.2	YES
2	2 13C5-PFHxA	1802115-06 REEPDW1225FRB 0.11206	6.88e4	113.6	NO
3	3 13C3-PFHxS	1802115-06 REEPDW1225FRB 0.11206	8.67e3	126.9	NO
4	4 13C8-PFOA	1802115-06 REEPDW1225FRB 0.11206	7.40e4	116.0	NO
5	5 13C9-PFNA	1802115-06 REEPDW1225FRB 0.11206	6.19e4	107.9	NO
6	6 13C4-PFOS	1802115-06 REEPDW1225FRB 0.11206	9.50e3	116.9	NO
7	7 13C6-PFDA	1802115-06 REEPDW1225FRB 0.11206	6.67e4	112.4	NO
8	8 13C7-PFUDa	1802115-06 REEPDW1225FRB 0.11206	7.48e4	116.7	NO

**Name: 180818M2\_69, Date: 19-Aug-2018, Time: 03:13:14, ID: IPA, Description: IPA**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	2.12e1	0.0	YES
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA	1.58e1	0.0	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: 180818M2\_70, Date: 19-Aug-2018, Time: 03:23:52, ID: ST180818M2-13 PFC CS3 18H0906, Description: PFC CS3 18H0906**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-13 PFC CS3 18H0906	2.07e4	108.5	NO
2	2 13C5-PFHxA	ST180818M2-13 PFC CS3 18H0906	5.57e4	92.0	NO
3	3 13C3-PFHxS	ST180818M2-13 PFC CS3 18H0906	8.62e3	126.1	NO
4	4 13C8-PFOA	ST180818M2-13 PFC CS3 18H0906	8.56e4	134.2	NO
5	5 13C9-PFNA	ST180818M2-13 PFC CS3 18H0906	7.57e4	132.0	NO
6	6 13C4-PFOS	ST180818M2-13 PFC CS3 18H0906	1.06e4	130.8	NO
7	7 13C6-PFDA	ST180818M2-13 PFC CS3 18H0906	7.86e4	132.6	NO
8	8 13C7-PFUDa	ST180818M2-13 PFC CS3 18H0906	7.98e4	124.5	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_71, Date: 19-Aug-2018, Time: 03:34:39, ID: ST180818M2-14 PFC CS0 18H0903, Description: PFC CS0 18H0903**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-14 PFC CS0 18H0903	2.32e4	121.2	NO
2	2 13C5-PFHxA	ST180818M2-14 PFC CS0 18H0903	6.52e4	107.7	NO
3	3 13C3-PFHxS	ST180818M2-14 PFC CS0 18H0903	1.00e4	146.9	NO
4	4 13C8-PFOA	ST180818M2-14 PFC CS0 18H0903	9.50e4	148.9	NO
5	5 13C9-PFNA	ST180818M2-14 PFC CS0 18H0903	8.45e4	147.3	NO
6	6 13C4-PFOS	ST180818M2-14 PFC CS0 18H0903	1.10e4	135.9	NO
7	7 13C6-PFDA	ST180818M2-14 PFC CS0 18H0903	8.38e4	141.3	NO
8	8 13C7-PFUDa	ST180818M2-14 PFC CS0 18H0903	9.07e4	141.5	NO

**Name: 180818M2\_72, Date: 19-Aug-2018, Time: 03:45:25, ID: 1802115-07 REEPDW1229FRB 0.11554, Description: REEPDW1229FRB**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-07 REEPDW1229FRB 0.11554	3.17e4	166.0	YES
2	2 13C5-PFHxA	1802115-07 REEPDW1229FRB 0.11554	5.64e4	93.1	NO
3	3 13C3-PFHxS	1802115-07 REEPDW1229FRB 0.11554	6.54e3	95.8	NO
4	4 13C8-PFOA	1802115-07 REEPDW1229FRB 0.11554	6.03e4	94.6	NO
5	5 13C9-PFNA	1802115-07 REEPDW1229FRB 0.11554	5.64e4	98.3	NO
6	6 13C4-PFOS	1802115-07 REEPDW1229FRB 0.11554	7.61e3	93.6	NO
7	7 13C6-PFDA	1802115-07 REEPDW1229FRB 0.11554	5.74e4	96.9	NO
8	8 13C7-PFUDa	1802115-07 REEPDW1229FRB 0.11554	6.07e4	94.7	NO

**Name: 180818M2\_73, Date: 19-Aug-2018, Time: 03:56:07, ID: 1802115-08 REEPDW1230FRB 0.11545, Description: REEPDW1230FRB**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-08 REEPDW1230FRB 0.11545	3.53e4	184.4	YES
2	2 13C5-PFHxA	1802115-08 REEPDW1230FRB 0.11545	6.60e4	109.0	NO
3	3 13C3-PFHxS	1802115-08 REEPDW1230FRB 0.11545	7.98e3	116.8	NO
4	4 13C8-PFOA	1802115-08 REEPDW1230FRB 0.11545	7.07e4	110.9	NO
5	5 13C9-PFNA	1802115-08 REEPDW1230FRB 0.11545	6.54e4	114.0	NO
6	6 13C4-PFOS	1802115-08 REEPDW1230FRB 0.11545	9.26e3	113.9	NO
7	7 13C6-PFDA	1802115-08 REEPDW1230FRB 0.11545	6.87e4	115.9	NO
8	8 13C7-PFUDa	1802115-08 REEPDW1230FRB 0.11545	7.32e4	114.1	NO

**Name: 180818M2\_74, Date: 19-Aug-2018, Time: 04:06:53, ID: 1802115-09 REEPDW1231FRB 0.11589, Description: REEPDW1231FRB**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802115-09 REEPDW1231FRB 0.11589	3.08e4	161.2	YES
2	2 13C5-PFHxA	1802115-09 REEPDW1231FRB 0.11589	5.55e4	91.6	NO
3	3 13C3-PFHxS	1802115-09 REEPDW1231FRB 0.11589	6.59e3	96.4	NO
4	4 13C8-PFOA	1802115-09 REEPDW1231FRB 0.11589	6.10e4	95.6	NO
5	5 13C9-PFNA	1802115-09 REEPDW1231FRB 0.11589	5.22e4	91.0	NO
6	6 13C4-PFOS	1802115-09 REEPDW1231FRB 0.11589	7.39e3	90.9	NO
7	7 13C6-PFDA	1802115-09 REEPDW1231FRB 0.11589	5.60e4	94.4	NO
8	8 13C7-PFUDa	1802115-09 REEPDW1231FRB 0.11589	6.01e4	93.7	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_75, Date: 19-Aug-2018, Time: 04:17:34, ID: B8H0016-BS1 OPR 0.125, Description: OPR**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8H0016-BS1 OPR 0.125	3.11e4	162.4	YES
2	2 13C5-PFHxA	B8H0016-BS1 OPR 0.125	5.47e4	90.4	NO
3	3 13C3-PFHxS	B8H0016-BS1 OPR 0.125	7.06e3	103.4	NO
4	4 13C8-PFOA	B8H0016-BS1 OPR 0.125	6.19e4	97.0	NO
5	5 13C9-PFNA	B8H0016-BS1 OPR 0.125	5.53e4	96.4	NO
6	6 13C4-PFOS	B8H0016-BS1 OPR 0.125	7.96e3	98.0	NO
7	7 13C6-PFDA	B8H0016-BS1 OPR 0.125	5.96e4	100.5	NO
8	8 13C7-PFUDa	B8H0016-BS1 OPR 0.125	6.14e4	95.8	NO

**Name: 180818M2\_76, Date: 19-Aug-2018, Time: 04:28:20, ID: B8H0016-BLK1 Method Blank 0.125, Description: Method Blank**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8H0016-BLK1 Method Blank 0.125	3.31e4	173.2	YES
2	2 13C5-PFHxA	B8H0016-BLK1 Method Blank 0.125	6.19e4	102.2	NO
3	3 13C3-PFHxS	B8H0016-BLK1 Method Blank 0.125	7.63e3	111.7	NO
4	4 13C8-PFOA	B8H0016-BLK1 Method Blank 0.125	6.67e4	104.5	NO
5	5 13C9-PFNA	B8H0016-BLK1 Method Blank 0.125	6.04e4	105.3	NO
6	6 13C4-PFOS	B8H0016-BLK1 Method Blank 0.125	8.36e3	102.9	NO
7	7 13C6-PFDA	B8H0016-BLK1 Method Blank 0.125	6.01e4	101.4	NO
8	8 13C7-PFUDa	B8H0016-BLK1 Method Blank 0.125	6.72e4	104.8	NO

**Name: 180818M2\_77, Date: 19-Aug-2018, Time: 04:39:02, ID: B8H0016-MS1 Matrix Spike 0.11005, Description: Matrix Spike**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8H0016-MS1 Matrix Spike 0.11005	9.85e3	51.5	NO
2	2 13C5-PFHxA	B8H0016-MS1 Matrix Spike 0.11005	2.16e4	35.7	YES
3	3 13C3-PFHxS	B8H0016-MS1 Matrix Spike 0.11005	6.57e3	96.2	NO
4	4 13C8-PFOA	B8H0016-MS1 Matrix Spike 0.11005	3.02e4	47.4	YES
5	5 13C9-PFNA	B8H0016-MS1 Matrix Spike 0.11005	2.55e4	44.5	YES
6	6 13C4-PFOS	B8H0016-MS1 Matrix Spike 0.11005	8.09e3	99.6	NO
7	7 13C6-PFDA	B8H0016-MS1 Matrix Spike 0.11005	3.21e4	54.1	NO
8	8 13C7-PFUDa	B8H0016-MS1 Matrix Spike 0.11005	3.55e4	55.4	NO

**Name: 180818M2\_78, Date: 19-Aug-2018, Time: 04:49:48, ID: B8H0016-MSD1 Matrix Spike Dup 0.11459, Description: Matrix Spike Dup**

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8H0016-MSD1 Matrix Spike Dup 0.114...	1.74e4	91.1	NO
2	2 13C5-PFHxA	B8H0016-MSD1 Matrix Spike Dup 0.114...	3.33e4	55.0	NO
3	3 13C3-PFHxS	B8H0016-MSD1 Matrix Spike Dup 0.114...	7.59e3	111.0	NO
4	4 13C8-PFOA	B8H0016-MSD1 Matrix Spike Dup 0.114...	3.67e4	57.4	NO
5	5 13C9-PFNA	B8H0016-MSD1 Matrix Spike Dup 0.114...	3.02e4	52.6	NO
6	6 13C4-PFOS	B8H0016-MSD1 Matrix Spike Dup 0.114...	8.70e3	107.1	NO
7	7 13C6-PFDA	B8H0016-MSD1 Matrix Spike Dup 0.114...	3.83e4	64.5	NO
8	8 13C7-PFUDa	B8H0016-MSD1 Matrix Spike Dup 0.114...	4.40e4	68.6	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_79, Date: 19-Aug-2018, Time: 05:00:28, ID: 1802114-01 REEPDW1220 0.11573, Description: REEPDW1220**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-01 REEPDW1220 0.11573	1.44e4	75.4	NO
2	2 13C5-PFHxA	1802114-01 REEPDW1220 0.11573	2.99e4	49.4	YES
3	3 13C3-PFHxS	1802114-01 REEPDW1220 0.11573	6.48e3	94.9	NO
4	4 13C8-PFOA	1802114-01 REEPDW1220 0.11573	3.90e4	61.1	NO
5	5 13C9-PFNA	1802114-01 REEPDW1220 0.11573	3.10e4	54.0	NO
6	6 13C4-PFOS	1802114-01 REEPDW1220 0.11573	7.71e3	94.8	NO
7	7 13C6-PFDA	1802114-01 REEPDW1220 0.11573	4.07e4	68.7	NO
8	8 13C7-PFUDa	1802114-01 REEPDW1220 0.11573	4.54e4	70.8	NO

**Name: 180818M2\_80, Date: 19-Aug-2018, Time: 05:11:14, ID: 1802114-02 REEPDW571 0.11327, Description: REEPDW571**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-02 REEPDW571 0.11327	2.51e4	131.1	NO
2	2 13C5-PFHxA	1802114-02 REEPDW571 0.11327	5.26e4	86.8	NO
3	3 13C3-PFHxS	1802114-02 REEPDW571 0.11327	9.02e3	132.1	NO
4	4 13C8-PFOA	1802114-02 REEPDW571 0.11327	5.96e4	93.4	NO
5	5 13C9-PFNA	1802114-02 REEPDW571 0.11327	4.76e4	83.0	NO
6	6 13C4-PFOS	1802114-02 REEPDW571 0.11327	1.10e4	135.1	NO
7	7 13C6-PFDA	1802114-02 REEPDW571 0.11327	6.16e4	103.9	NO
8	8 13C7-PFUDa	1802114-02 REEPDW571 0.11327	7.04e4	109.9	NO

**Name: 180818M2\_81, Date: 19-Aug-2018, Time: 05:21:56, ID: 1802114-03 REEPDW1221 0.11667, Description: REEPDW1221**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-03 REEPDW1221 0.11667	1.19e4	62.2	NO
2	2 13C5-PFHxA	1802114-03 REEPDW1221 0.11667	2.96e4	48.8	YES
3	3 13C3-PFHxS	1802114-03 REEPDW1221 0.11667	7.10e3	104.0	NO
4	4 13C8-PFOA	1802114-03 REEPDW1221 0.11667	3.71e4	58.2	NO
5	5 13C9-PFNA	1802114-03 REEPDW1221 0.11667	3.01e4	52.4	NO
6	6 13C4-PFOS	1802114-03 REEPDW1221 0.11667	7.80e3	95.9	NO
7	7 13C6-PFDA	1802114-03 REEPDW1221 0.11667	3.89e4	65.5	NO
8	8 13C7-PFUDa	1802114-03 REEPDW1221 0.11667	4.48e4	69.9	NO

**Name: 180818M2\_82, Date: 19-Aug-2018, Time: 05:32:34, ID: 1802114-04 REEPDW1223 0.11625, Description: REEPDW1223**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-04 REEPDW1223 0.11625	2.50e4	130.9	NO
2	2 13C5-PFHxA	1802114-04 REEPDW1223 0.11625	4.80e4	79.2	NO
3	3 13C3-PFHxS	1802114-04 REEPDW1223 0.11625	7.07e3	103.5	NO
4	4 13C8-PFOA	1802114-04 REEPDW1223 0.11625	5.56e4	87.1	NO
5	5 13C9-PFNA	1802114-04 REEPDW1223 0.11625	4.55e4	79.4	NO
6	6 13C4-PFOS	1802114-04 REEPDW1223 0.11625	8.57e3	105.4	NO
7	7 13C6-PFDA	1802114-04 REEPDW1223 0.11625	5.46e4	92.0	NO
8	8 13C7-PFUDa	1802114-04 REEPDW1223 0.11625	5.90e4	92.1	NO



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_83, Date: 19-Aug-2018, Time: 05:43:20, ID: 1802114-05 REEPDW1224 0.11585, Description: REEPDW1224**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-05 REEPDW1224 0.11585	2.97e4	155.4	YES
2	2 13C5-PFHxA	1802114-05 REEPDW1224 0.11585	5.49e4	90.7	NO
3	3 13C3-PFHxS	1802114-05 REEPDW1224 0.11585	7.52e3	110.1	NO
4	4 13C8-PFOA	1802114-05 REEPDW1224 0.11585	5.76e4	90.3	NO
5	5 13C9-PFNA	1802114-05 REEPDW1224 0.11585	4.46e4	77.8	NO
6	6 13C4-PFOS	1802114-05 REEPDW1224 0.11585	8.46e3	104.0	NO
7	7 13C6-PFDA	1802114-05 REEPDW1224 0.11585	5.52e4	93.0	NO
8	8 13C7-PFUDa	1802114-05 REEPDW1224 0.11585	5.93e4	92.4	NO

**Name: 180818M2\_84, Date: 19-Aug-2018, Time: 05:54:07, ID: 1802114-06 REEPDW1222 0.11698, Description: REEPDW1222**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-06 REEPDW1222 0.11698	1.76e4	92.1	NO
2	2 13C5-PFHxA	1802114-06 REEPDW1222 0.11698	3.54e4	58.5	NO
3	3 13C3-PFHxS	1802114-06 REEPDW1222 0.11698	7.46e3	109.2	NO
4	4 13C8-PFOA	1802114-06 REEPDW1222 0.11698	4.72e4	74.0	NO
5	5 13C9-PFNA	1802114-06 REEPDW1222 0.11698	3.78e4	65.9	NO
6	6 13C4-PFOS	1802114-06 REEPDW1222 0.11698	8.18e3	100.6	NO
7	7 13C6-PFDA	1802114-06 REEPDW1222 0.11698	4.23e4	71.4	NO
8	8 13C7-PFUDa	1802114-06 REEPDW1222 0.11698	4.91e4	76.6	NO

**Name: 180818M2\_85, Date: 19-Aug-2018, Time: 06:04:48, ID: 1802114-07 REEPDW1225 0.11542, Description: REEPDW1225**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-07 REEPDW1225 0.11542	2.78e4	145.5	NO
2	2 13C5-PFHxA	1802114-07 REEPDW1225 0.11542	5.23e4	86.3	NO
3	3 13C3-PFHxS	1802114-07 REEPDW1225 0.11542	8.66e3	126.8	NO
4	4 13C8-PFOA	1802114-07 REEPDW1225 0.11542	5.36e4	84.0	NO
5	5 13C9-PFNA	1802114-07 REEPDW1225 0.11542	4.43e4	77.2	NO
6	6 13C4-PFOS	1802114-07 REEPDW1225 0.11542	9.85e3	121.2	NO
7	7 13C6-PFDA	1802114-07 REEPDW1225 0.11542	5.54e4	93.4	NO
8	8 13C7-PFUDa	1802114-07 REEPDW1225 0.11542	5.99e4	93.4	NO

**Name: 180818M2\_86, Date: 19-Aug-2018, Time: 06:15:35, ID: 1802114-08 REEPDW1229 0.11627, Description: REEPDW1229**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-08 REEPDW1229 0.11627	2.71e4	141.8	NO
2	2 13C5-PFHxA	1802114-08 REEPDW1229 0.11627	5.28e4	87.2	NO
3	3 13C3-PFHxS	1802114-08 REEPDW1229 0.11627	7.90e3	115.7	NO
4	4 13C8-PFOA	1802114-08 REEPDW1229 0.11627	5.53e4	86.6	NO
5	5 13C9-PFNA	1802114-08 REEPDW1229 0.11627	4.56e4	79.5	NO
6	6 13C4-PFOS	1802114-08 REEPDW1229 0.11627	8.98e3	110.5	NO
7	7 13C6-PFDA	1802114-08 REEPDW1229 0.11627	5.65e4	95.2	NO
8	8 13C7-PFUDa	1802114-08 REEPDW1229 0.11627	6.02e4	94.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\IIS.qld

Last Altered: Sunday, August 19, 2018 13:12:05 Pacific Daylight Time

Printed: Sunday, August 19, 2018 13:12:14 Pacific Daylight Time

**Name: 180818M2\_87, Date: 19-Aug-2018, Time: 06:26:16, ID: 1802114-09 REEPDW1230 0.11256, Description: REEPDW1230**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-09 REEPDW1230 0.11256	2.85e4	149.1	NO
2	2 13C5-PFHxA	1802114-09 REEPDW1230 0.11256	5.99e4	98.8	NO
3	3 13C3-PFHxS	1802114-09 REEPDW1230 0.11256	8.40e3	122.9	NO
4	4 13C8-PFOA	1802114-09 REEPDW1230 0.11256	6.73e4	105.4	NO
5	5 13C9-PFNA	1802114-09 REEPDW1230 0.11256	5.55e4	96.8	NO
6	6 13C4-PFOS	1802114-09 REEPDW1230 0.11256	1.07e4	131.3	NO
7	7 13C6-PFDA	1802114-09 REEPDW1230 0.11256	6.60e4	111.3	NO
8	8 13C7-PFUDa	1802114-09 REEPDW1230 0.11256	7.20e4	112.3	NO

**Name: 180818M2\_88, Date: 19-Aug-2018, Time: 06:37:02, ID: 1802114-10 REEPDW572 0.1165, Description: REEPDW572**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-10 REEPDW572 0.1165	2.12e4	111.0	NO
2	2 13C5-PFHxA	1802114-10 REEPDW572 0.1165	4.83e4	79.8	NO
3	3 13C3-PFHxS	1802114-10 REEPDW572 0.1165	7.81e3	114.3	NO
4	4 13C8-PFOA	1802114-10 REEPDW572 0.1165	5.63e4	88.2	NO
5	5 13C9-PFNA	1802114-10 REEPDW572 0.1165	4.77e4	83.1	NO
6	6 13C4-PFOS	1802114-10 REEPDW572 0.1165	9.44e3	116.1	NO
7	7 13C6-PFDA	1802114-10 REEPDW572 0.1165	5.78e4	97.5	NO
8	8 13C7-PFUDa	1802114-10 REEPDW572 0.1165	6.15e4	96.0	NO

**Name: 180818M2\_89, Date: 19-Aug-2018, Time: 06:47:43, ID: IPA, Description: IPA**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	1.05e1	0.0	YES
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA	2.05e1	0.0	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: 180818M2\_90, Date: 19-Aug-2018, Time: 06:58:30, ID: ST180818M2-15 PFC CS3 18H0906, Description: PFC CS3 18H0906**

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180818M2-15 PFC CS3 18H0906	2.20e4	115.1	NO
2	2 13C5-PFHxA	ST180818M2-15 PFC CS3 18H0906	6.36e4	105.1	NO
3	3 13C3-PFHxS	ST180818M2-15 PFC CS3 18H0906	1.09e4	159.6	YES
4	4 13C8-PFOA	ST180818M2-15 PFC CS3 18H0906	9.69e4	151.9	YES
5	5 13C9-PFNA	ST180818M2-15 PFC CS3 18H0906	8.92e4	155.4	YES
6	6 13C4-PFOS	ST180818M2-15 PFC CS3 18H0906	1.18e4	144.8	NO
7	7 13C6-PFDA	ST180818M2-15 PFC CS3 18H0906	8.77e4	147.9	NO
8	8 13C7-PFUDa	ST180818M2-15 PFC CS3 18H0906	8.90e4	138.9	NO

Dataset: Untitled

Last Altered: Monday, August 20, 2018 19:15:54 Pacific Daylight Time

Printed: Monday, August 20, 2018 19:17:36 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_RS-8-15-18.mdb 16 Aug 2018 12:25:46

Calibration: 20 Aug 2018 19:15:53

Name: 180818M2\_91, Date: 19-Aug-2018, Time: 07:09:12, ID: 1802114-11 REEPDW1231 0.11483, Description: REEPDW1231

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802114-11 REEPDW1231 0.11483	2.93e4	157.7	YES
2	2 13C5-PFHxA	1802114-11 REEPDW1231 0.11483	5.89e4	97.2	NO
3	3 13C3-PFHxS	1802114-11 REEPDW1231 0.11483	8.23e3	120.4	NO
4	4 13C8-PFOA	1802114-11 REEPDW1231 0.11483	6.47e4	101.5	NO
5	5 13C9-PFNA	1802114-11 REEPDW1231 0.11483	5.16e4	90.0	NO
6	6 13C4-PFOS	1802114-11 REEPDW1231 0.11483	9.47e3	116.6	NO
7	7 13C6-PFDA	1802114-11 REEPDW1231 0.11483	6.10e4	102.9	NO
8	8 13C7-PFUDa	1802114-11 REEPDW1231 0.11483	6.55e4	102.2	NO

Name: 180818M2\_92, Date: 19-Aug-2018, Time: 07:19:58, ID: 1802144-01 YEAGR-ML-FL014-MW004-072718 0.11628, Description: YEAGR-ML-FL014-MW004-072718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802144-01 YEAGR-ML-FL014-MW004...	2.89e4	155.4	YES
2	2 13C5-PFHxA	1802144-01 YEAGR-ML-FL014-MW004...	4.38e4	72.3	NO
3	3 13C3-PFHxS	1802144-01 YEAGR-ML-FL014-MW004...	3.89e3	57.0	NO
4	4 13C8-PFOA	1802144-01 YEAGR-ML-FL014-MW004...	6.14e4	96.1	NO
5	5 13C9-PFNA	1802144-01 YEAGR-ML-FL014-MW004...	5.70e4	99.3	NO
6	6 13C4-PFOS	1802144-01 YEAGR-ML-FL014-MW004...	5.81e3	71.4	NO
7	7 13C6-PFDA	1802144-01 YEAGR-ML-FL014-MW004...	6.45e4	108.7	NO
8	8 13C7-PFUDa	1802144-01 YEAGR-ML-FL014-MW004...	7.44e4	116.0	NO

Name: 180818M2\_93, Date: 19-Aug-2018, Time: 07:30:39, ID: 1802144-02 YEAGR-DUP1-072718 0.11135, Description: YEAGR-DUP1-072718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1802144-02 YEAGR-DUP1-072718 0.1...	2.84e4	152.9	YES
2	2 13C5-PFHxA	1802144-02 YEAGR-DUP1-072718 0.1...	4.26e4	70.4	NO
3	3 13C3-PFHxS	1802144-02 YEAGR-DUP1-072718 0.1...	3.88e3	56.8	NO
4	4 13C8-PFOA	1802144-02 YEAGR-DUP1-072718 0.1...	5.74e4	89.9	NO
5	5 13C9-PFNA	1802144-02 YEAGR-DUP1-072718 0.1...	5.45e4	95.0	NO
6	6 13C4-PFOS	1802144-02 YEAGR-DUP1-072718 0.1...	5.61e3	69.0	NO
7	7 13C6-PFDA	1802144-02 YEAGR-DUP1-072718 0.1...	6.16e4	103.9	NO
8	8 13C7-PFUDa	1802144-02 YEAGR-DUP1-072718 0.1...	6.75e4	105.3	NO

Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

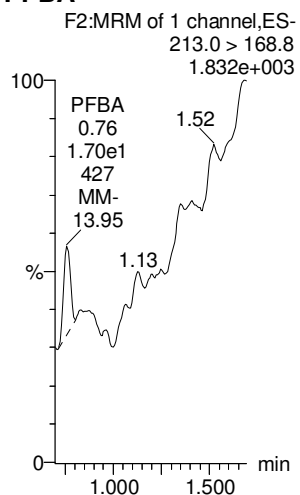
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

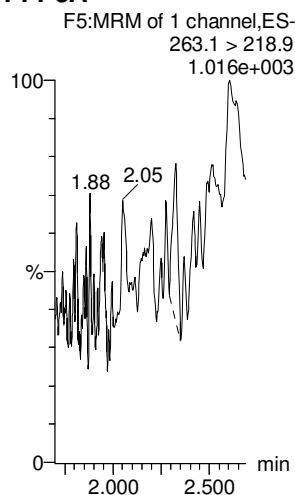
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

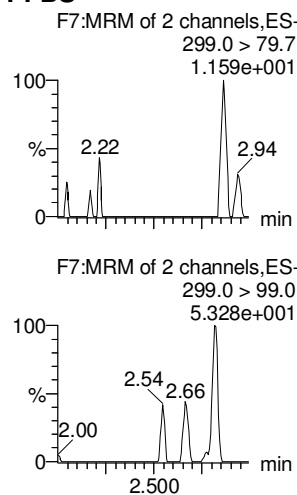
**PFBA**



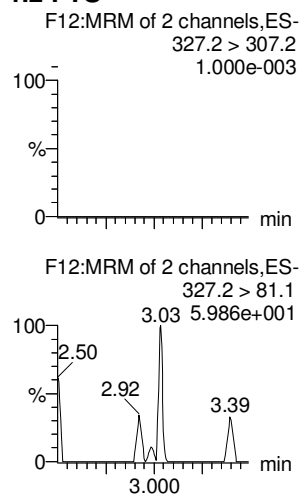
**PFPeA**



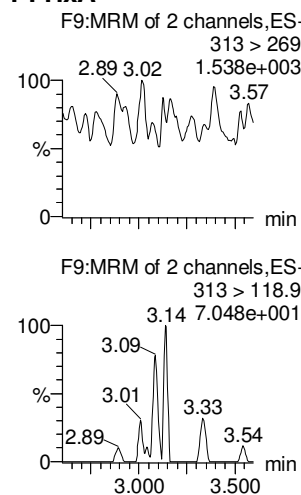
**PFBS**



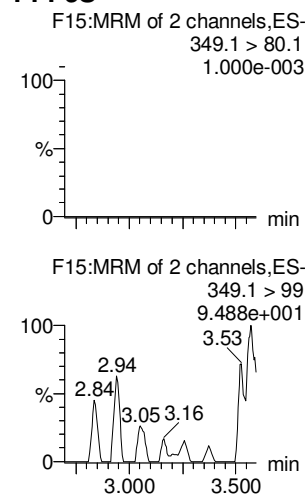
**4:2 FTS**



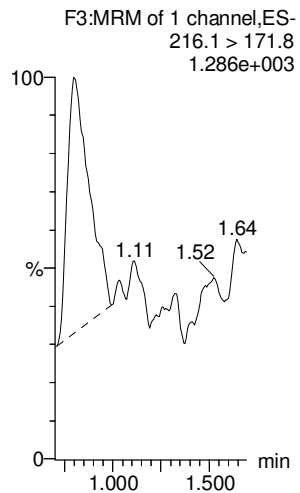
**PFHxA**



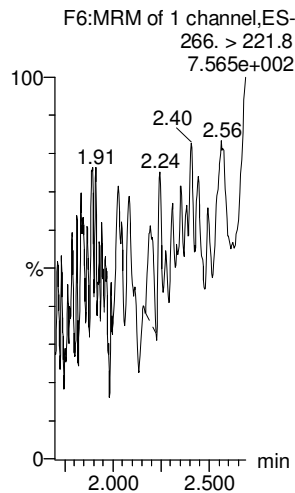
**PFPeS**



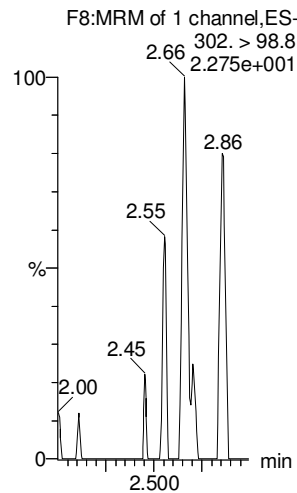
**13C3-PFBA**



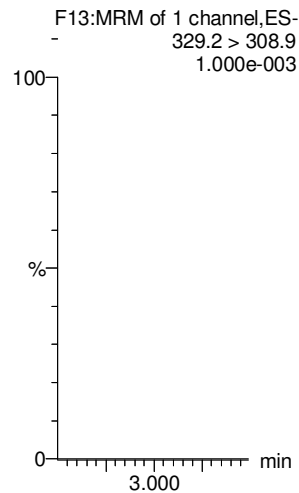
**13C3-PFPeA**



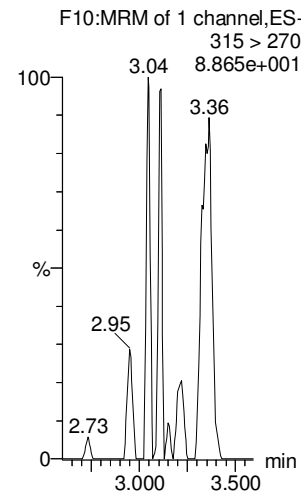
**13C3-PFBS**



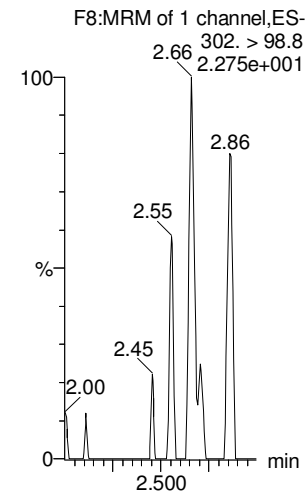
**13C2-4:2 FTS**



**13C3-PFHxA**



**13C3-PFBS**



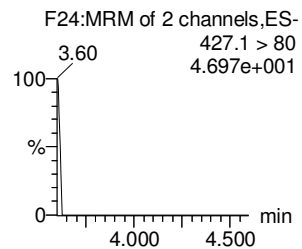
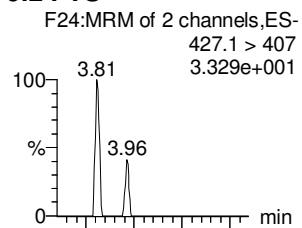
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

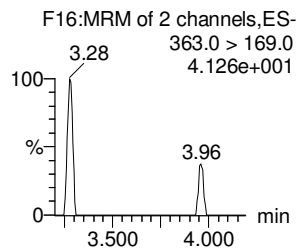
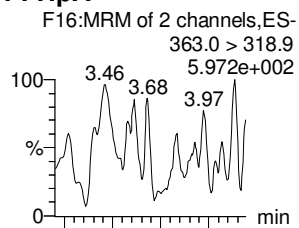
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

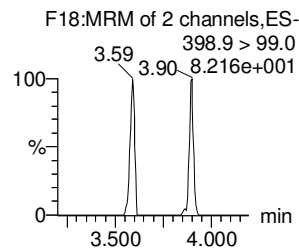
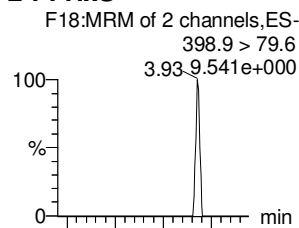
**6:2 FTS**



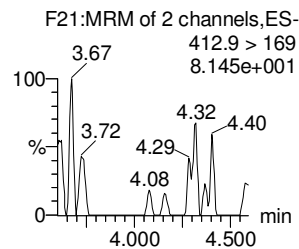
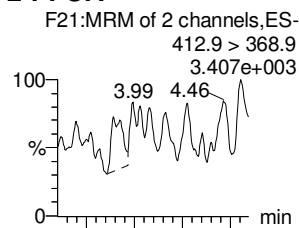
**PFHpA**



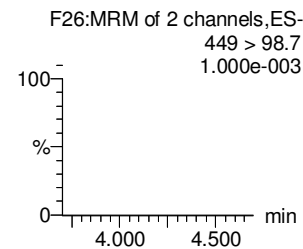
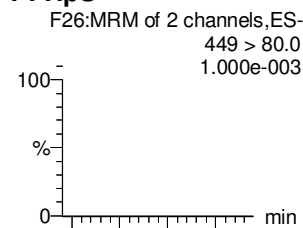
**L-PFHxS**



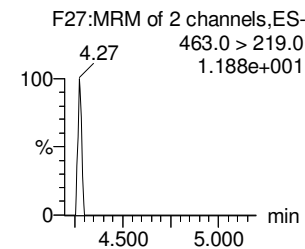
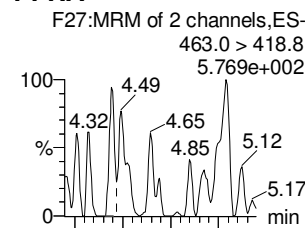
**L-PFOA**



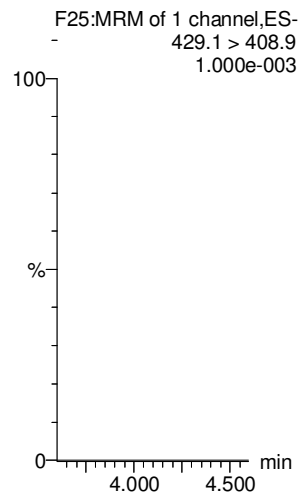
**PFHpS**



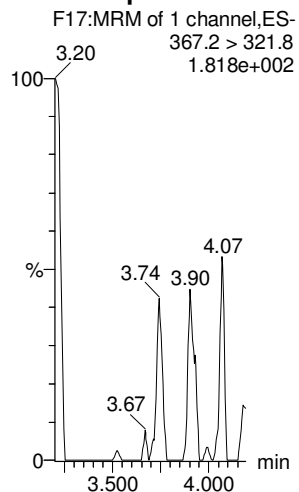
**PFNA**



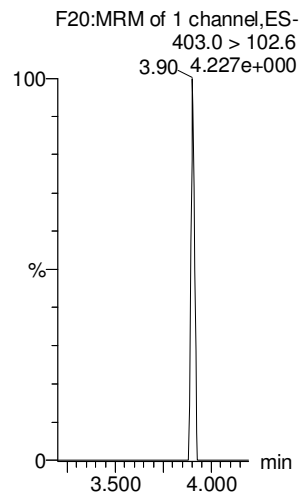
**13C2-6:2 FTS**



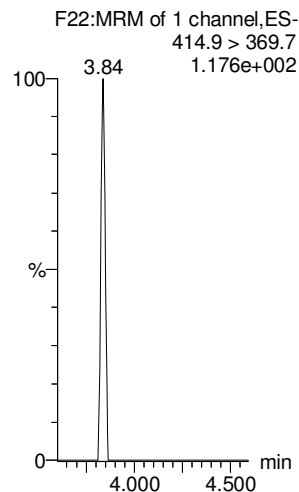
**13C4-PFHpA**



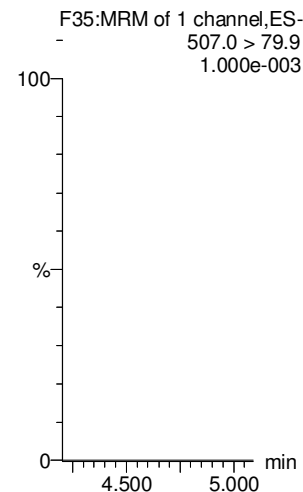
**18O2-PFHxS**



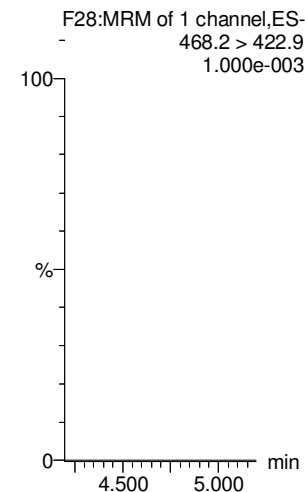
**13C2-PFOA**



**13C8-PFOS**



**13C5-PFNA**



Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

**PFOSA**

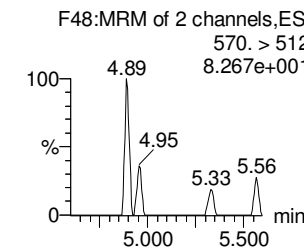
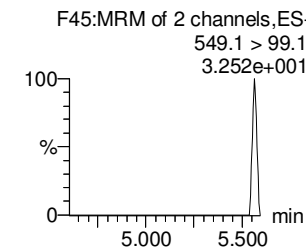
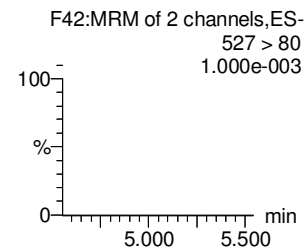
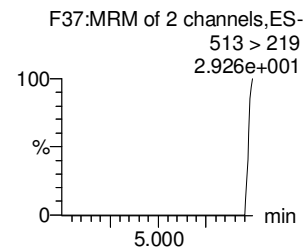
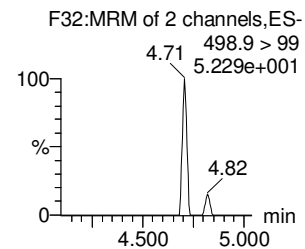
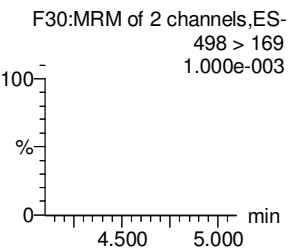
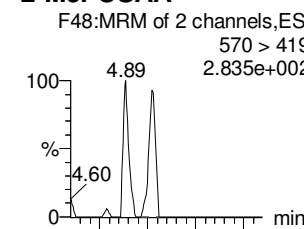
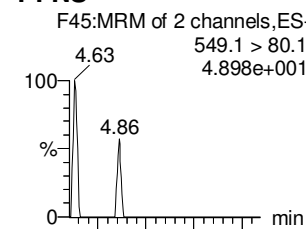
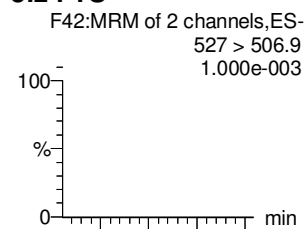
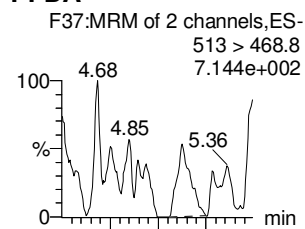
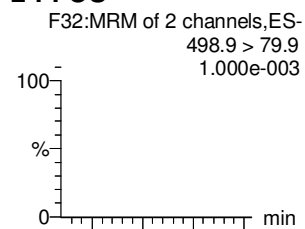
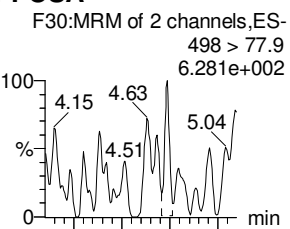
**L-PFOS**

**PFDA**

**8:2 FTS**

**PFNS**

**L-MeFOSAA**



**13C8-PFOSA**

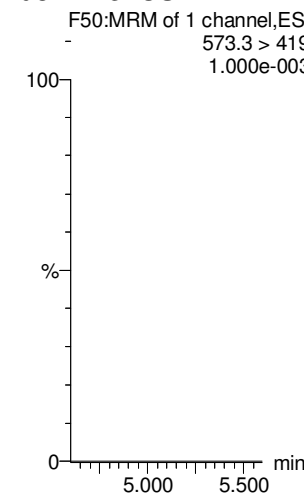
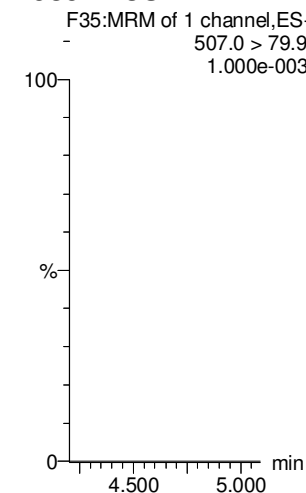
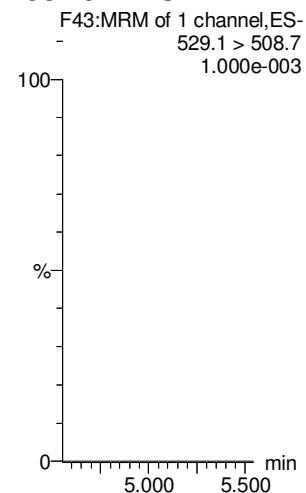
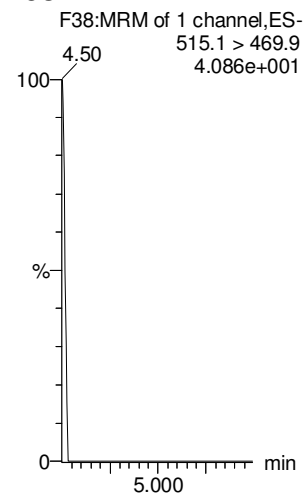
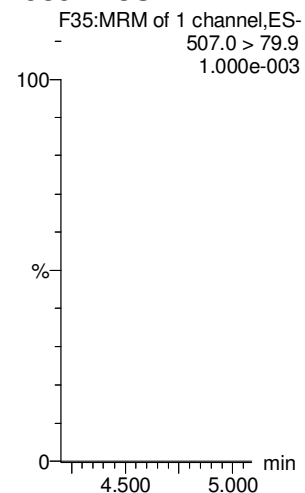
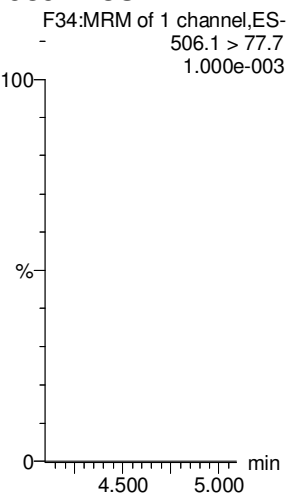
**13C8-PFOS**

**13C2-PFDA**

**13C2-8:2 FTS**

**13C8-PFOS**

**d3-N-MeFOSAA**



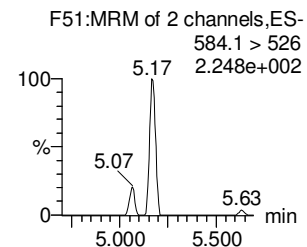
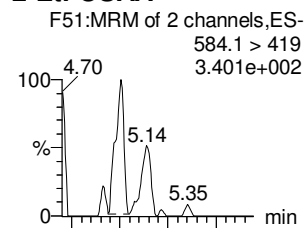
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

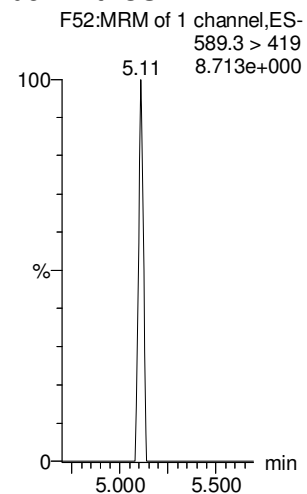
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

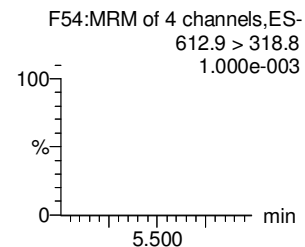
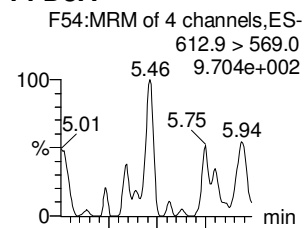
**L-EtFOSAA**



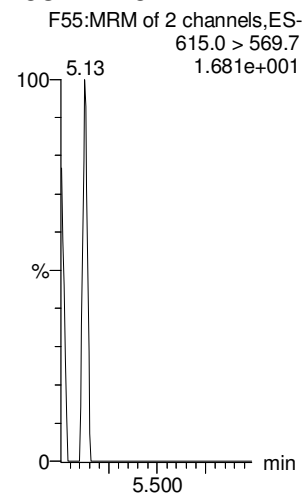
**d5-N-EtFOSAA**



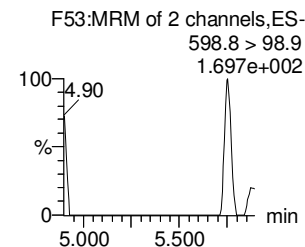
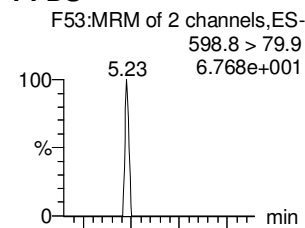
**PFDoA**



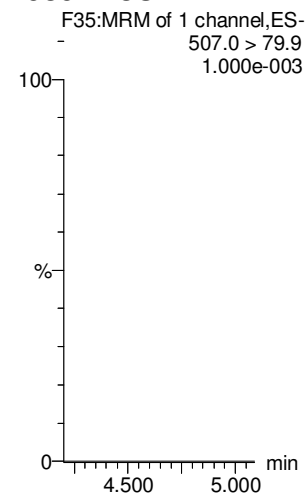
**13C2-PFDoA**



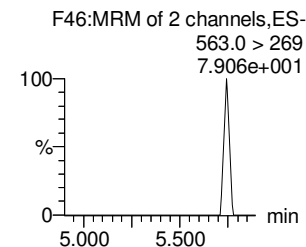
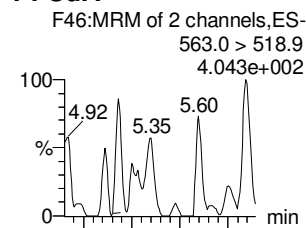
**PFDS**



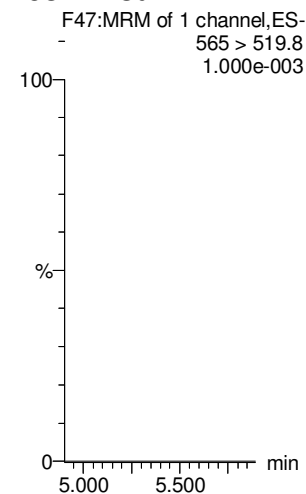
**13C8-PFOS**



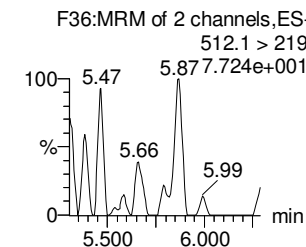
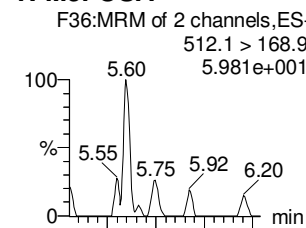
**PFUdA**



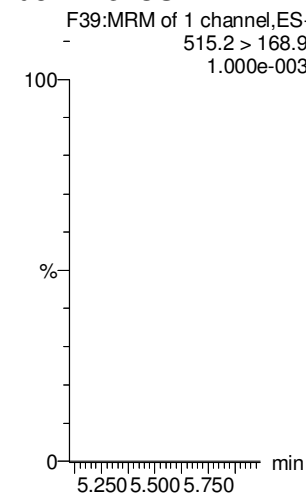
**13C2-PFUdA**



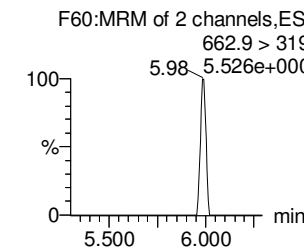
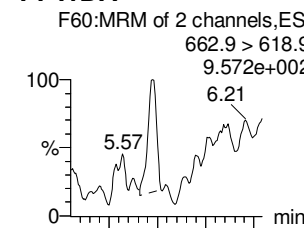
**N-MeFOSA**



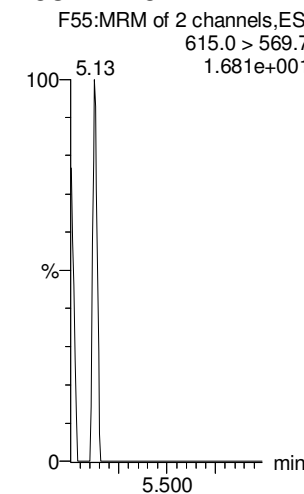
**d3-N-MeFOSA**



**PFTrDA**



**13C2-PFDoA**



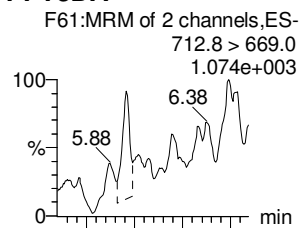
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

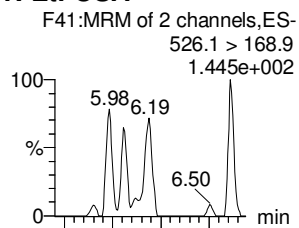
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

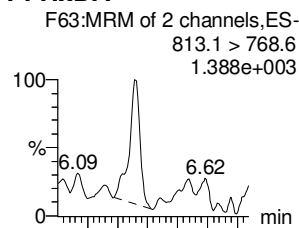
**PFTeDA**



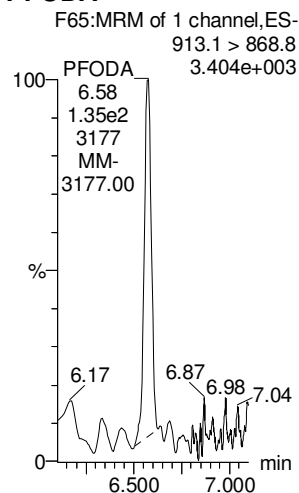
**N-EtFOFA**



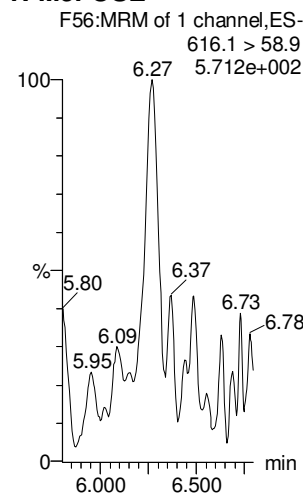
**PFHxDA**



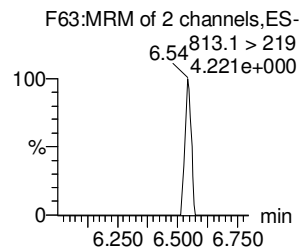
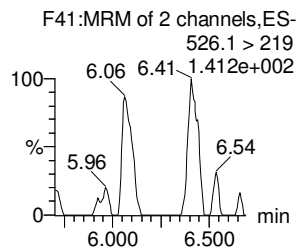
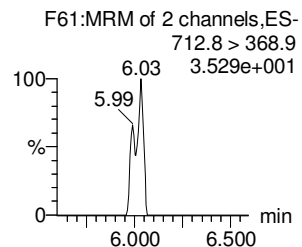
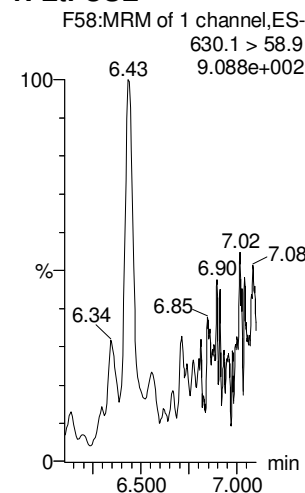
**PFODA**



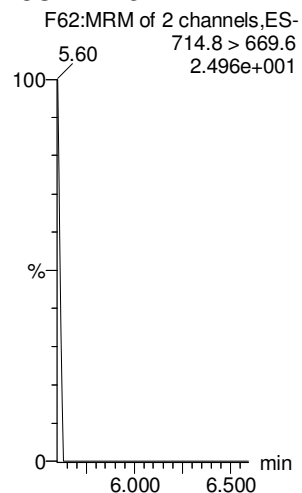
**N-MeFOSE**



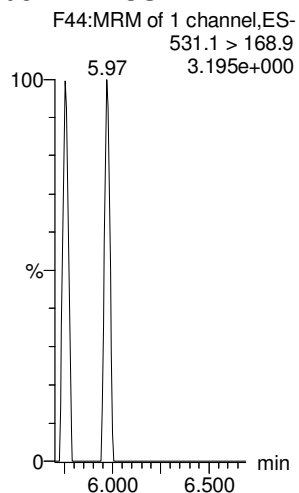
**N-EtFOSE**



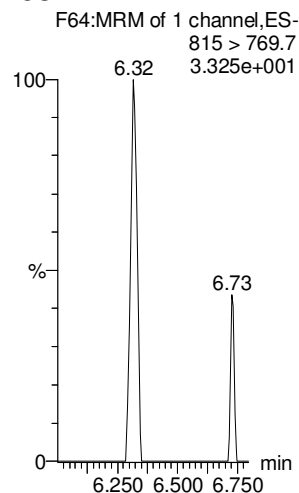
**13C2-PFTeDA**



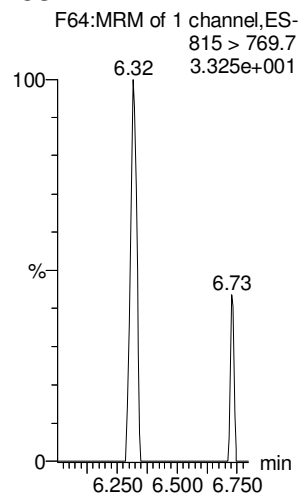
**d5-N-ETFOFA**



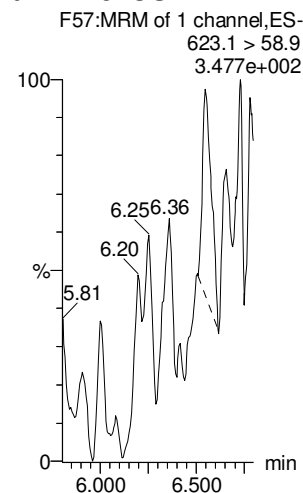
**13C2-PFHxDA**



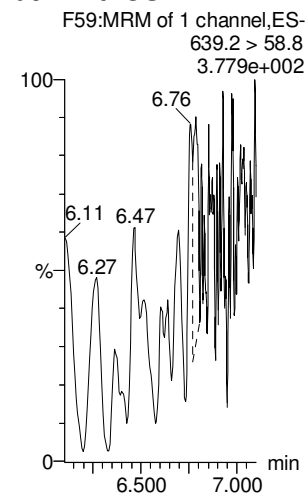
**13C2-PFHxDA**



**d7-N-MeFOSE**



**d9-N-EtFOSE**





Dataset: Untitled

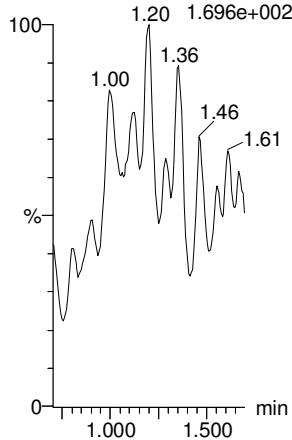
Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

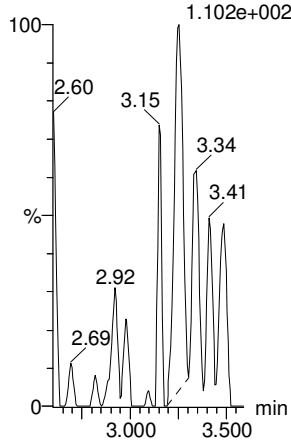
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
1.696e+002



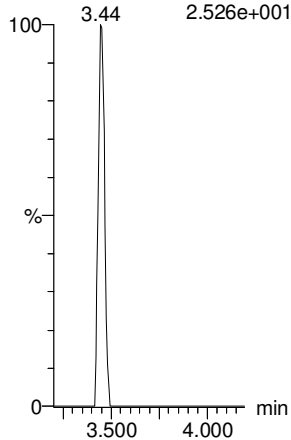
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.102e+002



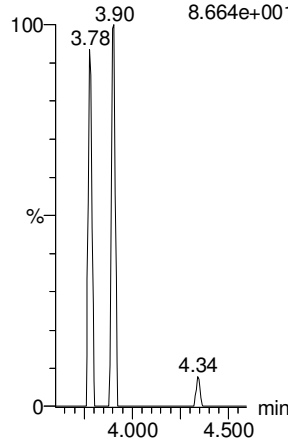
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.526e+001



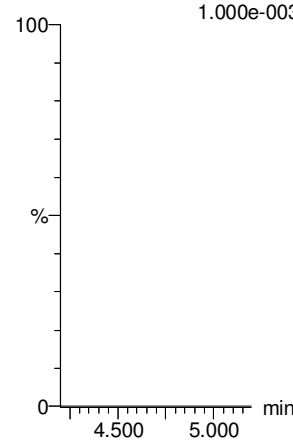
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
8.664e+001



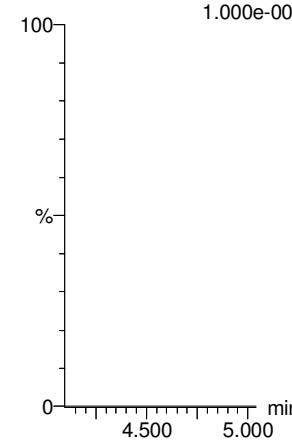
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
-  
472.2 > 426.9  
1.000e-003



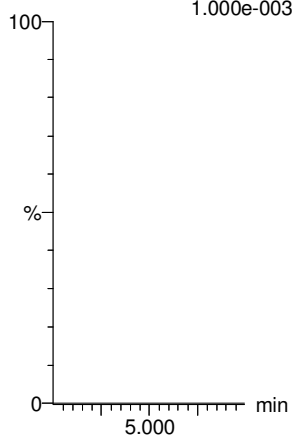
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
-  
503 > 79.9  
1.000e-003



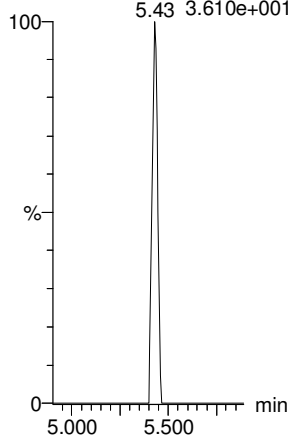
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
-  
519.1 > 473.7  
1.000e-003



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
3.610e+001



# LC Calibration Standards Review Checklist Q4

		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
Calibration ID: <u>ST180818M2-11</u>	LMH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-12</u>	LMH	<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 type="checkbox"/>
Calibration ID: <u>-13</u>	LMH	<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 type="checkbox"/>
Calibration ID: <u>-14</u>	LMH	<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 type="checkbox"/>
Calibration ID: <u>-15</u>	LMH	<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 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>

Full Mass Cal. Date: 8/13/18

Run Log Present:

# of Samples per Sequence Checked:

Instrument Blank Saved

IIS Area Saved

Reviewed By: JM 8/20/18  
Initials/Date

**Comments:**

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

AD 8/20/18

JDM 8/20/18

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	13252.726	15574.649	1.00	1.08	10.636	9.3	92.5	NO		
2	2 PFPeA	263.1 > 218.9	19955.186	28475.139	1.00	2.05	8.760	9.2	92.3	NO		
3	3 PFBS	299.0 > 79.7	4388.046	3042.752	1.00	2.34	18.027	9.0	90.3	NO	2.837	NO
4	4 4:2 FTS	327.2>307.2	6143.104	7789.811	1.00	2.77	9.858	10.3	103.3	NO	1.586	NO
5	5 PFHxA	313 > 269	38399.652	21552.824	1.00	2.86	8.908	9.3	92.7	NO	14.556	NO
6	6 PFPeS	349.1>80.1	5020.589	3042.752	1.00	3.06	20.625	9.6	96.2	NO	1.742	NO
7	36 13C3-PFBA	216.1 > 171.8	15574.649	19007.918	1.00	1.08	10.242	12.5	99.7	NO		
8	37 13C3-PFPeA	266. > 221.8	28475.139	53710.250	1.00	2.05	6.627	13.6	109.1	NO		
9	38 13C3-PFBS	302. > 98.8	3042.752	53710.250	1.00	2.34	0.708	14.1	112.6	NO		
10	39 13C2-4:2 FTS	329.2>308.9	7789.811	53710.250	1.00	2.77	1.813	12.3	98.3	NO		
11	40 13C2-PFHxA	315 > 270	21552.824	53710.250	1.00	2.86	5.016	5.1	102.9	NO		
12	38 13C3-PFBS	302. > 98.8	3042.752	53710.250	1.00	2.34	0.708	14.1	112.6	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	8555.606	10122.124	1.00	3.95	10.565	10.4	103.8	NO	2.801	NO
15	7 PFHpA	363.0 > 318.9	36035.523	41942.797	1.00	3.48	10.739	9.6	96.0	NO	21.104	NO
16	8 L-PFHxS	398.9 > 79.6	5107.691	4044.109	1.00	3.64	15.787	9.1	91.1	NO	1.666	NO
17	11 L-PFOA	412.9 > 368.9	47603.035	63880.578	1.00	4.01	9.315	9.2	92.1	NO	2.676	NO
18	13 PFHpS	449 > 80.0	6552.856	9672.263	1.00	4.13	8.469	10.0	99.5	NO	1.813	NO
19	14 PFNA	463.0 > 418.8	58900.605	67321.078	1.00	4.46	10.937	9.3	92.9	NO	5.053	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	10122.124	73419.523	1.00	3.95	1.723	12.1	96.5	NO		
21	41 13C4-PFHpA	367.2 > 321.8	41942.797	53710.250	1.00	3.48	9.761	15.9	127.6	NO		
22	42 18O2-PFHxS	403.0 > 102.6	4044.109	8750.057	1.00	3.63	5.777	12.0	95.6	NO		
23	44 13C2-PFOA	414.9 > 369.7	63880.578	73419.523	1.00	4.01	10.876	13.3	106.0	NO		
24	47 13C8-PFOS	507.0 > 79.9	9672.263	9082.230	1.00	4.55	13.312	12.7	101.2	NO		
25	45 13C5-PFNA	468.2 > 422.9	67321.078	69720.258	1.00	4.46	12.070	12.4	99.2	NO		
26	-1											
27	15 PFOSA	498 > 77.9	10247.875	12730.859	1.00	4.52	10.062	9.7	97.3	NO	33.606	NO
28	16 L-PFOS	498.9 > 79.9	6895.816	9672.263	1.00	4.55	8.912	9.7	96.8	NO	1.949	NO
29	18 PFDA	513 > 468.8	61564.297	64445.148	1.00	4.85	11.941	9.6	95.8	NO	6.235	NO
30	19 8:2 FTS	527 > 506.9	8585.313	8650.400	1.00	4.81	12.406	9.7	97.5	NO	2.376	NO
31	20 PFNS	549.1 > 80.1	6375.328	9672.263	1.00	4.91	8.239	10.0	100.3	NO	1.602	NO
32	21 L-MeFOSAA	570 > 419	16353.750	16768.961	1.00	5.00	12.190	10.1	100.9	NO	2.652	NO
33	46 13C8-PFOA	506.1 > 77.7	12730.859	72257.266	1.00	4.52	2.202	12.5	100.3	NO		
34	47 13C8-PFOS	507.0 > 79.9	9672.263	9082.230	1.00	4.55	13.312	12.7	101.2	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	64445.148	70316.766	1.00	4.85	11.456	12.0	95.7	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	8650.400	73419.523	1.00	4.81	1.473	12.4	99.3	NO		
37	47 13C8-PFOS	507.0 > 79.9	9672.263	9082.230	1.00	4.55	13.312	12.7	101.2	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	16768.961	72257.266	1.00	5.00	2.901	12.0	96.1	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	13131.035	18184.529	1.00	5.17	9.026	9.7	96.5	NO	1.418	NO
41	27 PFDoA	612.9 > 569.0	60392.445	76442.594	1.00	5.47	9.875	8.9	89.1	NO	8.339	NO
42	26 PFDS	598.8 > 79.9	7220.747	9672.263	1.00	5.23	9.332	10.1	101.4	NO	1.644	NO
43	25 PFUdA	563.0 > 518.9	53686.176	72367.617	1.00	5.18	9.273	9.6	96.4	NO	12.135	NO
44	28 N-MeFOSA	512.1 > 168.9	16965.395	51640.625	1.00	5.60	49.279	51.5	103.0	NO	1.410	NO
45	29 PFTrDA	662.9 > 618.9	65016.098	76442.594	1.00	5.73	10.632	9.2	92.4	NO	32.592	NO
46	52 d5-N-EtFOSAA	589.3 > 419	18184.529	72257.266	1.00	5.16	3.146	12.0	96.1	NO		
47	53 13C2-PFDoA	615.0 > 569.7	76442.594	70316.766	1.00	5.47	13.589	12.5	100.4	NO		
48	47 13C8-PFOS	507.0 > 79.9	9672.263	9082.230	1.00	4.55	13.312	12.7	101.2	NO		
49	51 13C2-PFUdA	565 > 519.8	72367.617	72257.266	1.00	5.18	12.519	12.7	101.9	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	51640.625	72257.266	1.00	5.64	8.933	140.8	93.8	NO		
51	53 13C2-PFDoA	615.0 > 569.7	76442.594	70316.766	1.00	5.47	13.589	12.5	100.4	NO		
52	-1											
53	30 PFTeDA	712.8 > 669.0	51934.773	56559.059	1.00	5.96	11.478	9.0	90.1	NO	11.469	NO
54	31 N-EtFOSA	526.1 > 168.9	19598.676	65698.320	1.00	6.06	44.747	48.6	97.2	NO	1.456	NO
55	32 PFHxDA	813.1 > 768.6	40966.422	29911.973	1.00	6.32	6.848	10.2	102.2	NO	41.852	NO
56	33 PFODA	913.1 > 868.8	45463.551	29911.973	1.00	6.57	7.600	9.9	99.4	NO		
57	34 N-MeFOSE	616.1 > 58.9	13322.794	40296.969	1.00	6.29	49.592	52.6	105.2	NO		
58	35 N-EtFOSE	630.1 > 58.9	15344.029	40915.637	1.00	6.44	56.252	51.1	102.3	NO		
59	55 13C2-PFTeDA	714.8 > 669.6	56559.059	72257.266	1.00	5.96	9.784	12.6	100.8	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	65698.320	72257.266	1.00	6.08	11.365	146.6	97.7	NO		
61	57 13C2-PFHxDA	815 > 769.7	29911.973	72257.266	1.00	6.32	5.175	5.2	104.5	NO		
62	57 13C2-PFHxDA	815 > 769.7	29911.973	72257.266	1.00	6.32	5.175	5.2	104.5	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	40296.969	72257.266	1.00	6.27	6.971	141.6	94.4	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	40915.637	72257.266	1.00	6.43	7.078	144.4	96.3	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	19007.918	19007.918	1.00	1.08	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	53710.250	53710.250	1.00	2.85	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	8750.057	8750.057	1.00	3.63	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	420.9 > 376	73419.523	73419.523	1.00	4.01	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	69720.258	69720.258	1.00	4.46	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	9082.230	9082.230	1.00	4.55	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	70316.766	70316.766	1.00	4.85	12.500	12.5	100.0		NO	
73	67 13C7-PFUdA	570.1 > 524.8	72257.266	72257.266	1.00	5.18	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180818M2_1	IPA	18-Aug-18	15:03:29
2	2 180818M2_2	ST180818M2-1 PFC CS-2 18H0901	18-Aug-18	15:14:28
3	3 180818M2_3	ST180818M2-2 PFC CS-1 18H0902	18-Aug-18	15:25:13
4	4 180818M2_4	ST180818M2-3 PFC CS0 18H0903	18-Aug-18	15:35:53
5	5 180818M2_5	ST180818M2-4 PFC CS1 18H0904	18-Aug-18	15:46:40
6	6 180818M2_6	ST180818M2-5 PFC CS2 18H0905	18-Aug-18	15:57:21
7	7 180818M2_7	ST180818M2-6 PFC CS3 18H0906	18-Aug-18	16:08:07
8	8 180818M2_8	ST180818M2-7 PFC CS4 18H0907	18-Aug-18	16:18:53
9	9 180818M2_9	ST180818M2-8 PFC CS5 18H0908	18-Aug-18	16:29:34
10	10 180818M2_10	ST180818M2-9 PFC CS6 18H0909	18-Aug-18	16:40:21
11	11 180818M2_11	ST180818M2-10 PFC CS7 18H0910	18-Aug-18	16:51:02
12	12 180818M2_12	IPA	18-Aug-18	17:01:48
13	13 180818M2_13	ICV180818M2-1 PFC 537 ICV 18H0911	18-Aug-18	17:12:30
14	14 180818M2_14	1801963-01 Bemidji Pilot APR2 Lead 0.2...	18-Aug-18	17:23:17
15	15 180818M2_15	1801963-02 Bemidji Pilot PSR2 + 0.2439	18-Aug-18	17:33:58
16	16 180818M2_16	1801963-03 Bemidji Pilot INF 0.24699	18-Aug-18	17:44:36
17	17 180818M2_17	B8G0097-BS1 OPR 1	18-Aug-18	17:55:23
18	18 180818M2_18	B8G0238-BS1 OPR 0.25	18-Aug-18	18:06:09
19	19 180818M2_19	B8G0238-MS1 Matrix Spike 0.24901	18-Aug-18	18:16:50
20	20 180818M2_20	B8G0238-MSD1 Matrix Spike Dup 0.245...	18-Aug-18	18:27:36
21	21 180818M2_21	B8G0238-BLK1 Method Blank 0.25	18-Aug-18	18:38:18
22	22 180818M2_22	1802055-01 Clarks-DW-072518 0.24525	18-Aug-18	18:49:04
23	23 180818M2_23	1802055-02 Clarks-FB-072518 0.2438	18-Aug-18	18:59:44
24	24 180818M2_24	1802055-03 Shop Pasture-DW-072518 ...	18-Aug-18	19:10:31
25	25 180818M2_25	1802055-04 Shop Pasture-FB-072518 0...	18-Aug-18	19:21:11
26	26 180818M2_26	1802055-05 Welder HQ-DW-072518 0.2...	18-Aug-18	19:31:57
27	27 180818M2_27	1802055-06 Welder HQ-FB-072518 0.2...	18-Aug-18	19:42:38
28	28 180818M2_28	1802055-07 Lupes House-DW-072518 ...	18-Aug-18	19:53:25
29	29 180818M2_29	1802055-08 Lupes House-FB-072518 0....	18-Aug-18	20:04:11
30	30 180818M2_30	1802055-09 Charlies-DW-072518 0.243...	18-Aug-18	20:14:52
31	31 180818M2_31	1802055-10 Charlies-FB-072518 0.2447	18-Aug-18	20:25:39
32	32 180818M2_32	1802055-11 Hortzendorf-DW-072518 0....	18-Aug-18	20:36:20

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180818M2_33	1802055-12 Hortendorf-FB-072518 0.2...	18-Aug-18	20:47:07
34	34 180818M2_34	1802055-13 Charlies Pasture-DW-0725...	18-Aug-18	20:57:47
35	35 180818M2_35	1802055-14 Charlies Pasture-FB-07251...	18-Aug-18	21:08:34
36	36 180818M2_36	IPA	18-Aug-18	21:19:13
37	37 180818M2_37	ST180818M2-11 PFC CS3 18H0906	18-Aug-18	21:30:00
38	38 180818M2_38	1802055-15 Shooting Range 1-DW-072...	18-Aug-18	21:40:41
39	39 180818M2_39	1802055-16 Shooting Range 1-FB-0725...	18-Aug-18	21:51:28
40	40 180818M2_40	1802055-17 DUP-1 0.24858	18-Aug-18	22:02:09
41	41 180818M2_41	B8G0245-BS1 OPR 0.125	18-Aug-18	22:12:55
42	42 180818M2_42	B8G0245-BSD1 LCSO 0.125	18-Aug-18	22:23:35
43	43 180818M2_43	B8G0245-BLK1 Method Blank 0.125	18-Aug-18	22:34:22
44	44 180818M2_44	1801974-01 PFAS-STP-SO-EB01 0.097...	18-Aug-18	22:45:02
45	45 180818M2_45	1802091-01 REEPDW1212 0.11629	18-Aug-18	22:55:48
46	46 180818M2_46	1802091-02 REEPDW1213 0.12052	18-Aug-18	23:06:29
47	47 180818M2_47	1802091-03 REEPDW1214 0.11773	18-Aug-18	23:17:15
48	48 180818M2_48	1802091-04 REEPDW1215 0.12338	18-Aug-18	23:27:56
49	49 180818M2_49	1802091-05 REEPDW1216 0.11745	18-Aug-18	23:38:43
50	50 180818M2_50	1802092-01 REEPDW1212FRB 0.11995	18-Aug-18	23:49:24
51	51 180818M2_51	1802092-02 REEPDW1213FRB 0.1184	19-Aug-18	00:00:10
52	52 180818M2_52	1802092-03 REEPDW1214FRB 0.11426	19-Aug-18	00:10:56
53	53 180818M2_53	1802092-04 REEPDW1215FRB 0.11712	19-Aug-18	00:21:37
54	54 180818M2_54	1802092-05 REEPDW1216FRB 0.1201	19-Aug-18	00:32:24
55	55 180818M2_55	1802095-01 REEPDW1218 0.11778	19-Aug-18	00:43:10
56	56 180818M2_56	IPA	19-Aug-18	00:53:52
57	57 180818M2_57	ST180818M2-12 PFC CS3 18H0906	19-Aug-18	01:04:30
58	58 180818M2_58	1802095-02 REEPDW1217 0.12064	19-Aug-18	01:15:16
59	59 180818M2_59	1802095-03 REEPDW1219 0.1196	19-Aug-18	01:25:58
60	60 180818M2_60	1802096-01 REEPDW1218FRB 0.12181	19-Aug-18	01:36:45
61	61 180818M2_61	1802096-02 REEPDW1217FRB 0.12124	19-Aug-18	01:47:26
62	62 180818M2_62	1802096-03 REEPDW1219FRB 0.11784	19-Aug-18	01:58:12
63	63 180818M2_63	1802115-01 REEPDW1220FRB 0.1158	19-Aug-18	02:08:54
64	64 180818M2_64	1802115-02 REEPDW1221FRB 0.11562	19-Aug-18	02:19:40
65	65 180818M2_65	1802115-03 REEPDW1223FRB 0.11727	19-Aug-18	02:30:22
66	66 180818M2_66	1802115-04 REEPDW1224FRB 0.11767	19-Aug-18	02:41:08
67	67 180818M2_67	1802115-05 REEPDW1222FRB 0.11639	19-Aug-18	02:51:49
68	68 180818M2_68	1802115-06 REEPDW1225FRB 0.11206	19-Aug-18	03:02:28

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180818M2_69	IPA	19-Aug-18	03:13:14
70	70 180818M2_70	ST180818M2-13 PFC CS3 18H0906	19-Aug-18	03:23:52
71	71 180818M2_71	ST180818M2-14 PFC CS0 18H0903	19-Aug-18	03:34:39
72	72 180818M2_72	1802115-07 REEPDW1229FRB 0.11554	19-Aug-18	03:45:25
73	73 180818M2_73	1802115-08 REEPDW1230FRB 0.11545	19-Aug-18	03:56:07
74	74 180818M2_74	1802115-09 REEPDW1231FRB 0.11589	19-Aug-18	04:06:53
75	75 180818M2_75	B8H0016-BS1 OPR 0.125	19-Aug-18	04:17:34
76	76 180818M2_76	B8H0016-BLK1 Method Blank 0.125	19-Aug-18	04:28:20
77	77 180818M2_77	B8H0016-MS1 Matrix Spike 0.11005	19-Aug-18	04:39:02
78	78 180818M2_78	B8H0016-MSD1 Matrix Spike Dup 0.114...	19-Aug-18	04:49:48
79	79 180818M2_79	1802114-01 REEPDW1220 0.11573	19-Aug-18	05:00:28
80	80 180818M2_80	1802114-02 REEPDW571 0.11327	19-Aug-18	05:11:14
81	81 180818M2_81	1802114-03 REEPDW1221 0.11667	19-Aug-18	05:21:56
82	82 180818M2_82	1802114-04 REEPDW1223 0.11625	19-Aug-18	05:32:34
83	83 180818M2_83	1802114-05 REEPDW1224 0.11585	19-Aug-18	05:43:20
84	84 180818M2_84	1802114-06 REEPDW1222 0.11698	19-Aug-18	05:54:07
85	85 180818M2_85	1802114-07 REEPDW1225 0.11542	19-Aug-18	06:04:48
86	86 180818M2_86	1802114-08 REEPDW1229 0.11627	19-Aug-18	06:15:35
87	87 180818M2_87	1802114-09 REEPDW1230 0.11256	19-Aug-18	06:26:16
88	88 180818M2_88	1802114-10 REEPDW572 0.1165	19-Aug-18	06:37:02
89	89 180818M2_89	IPA	19-Aug-18	06:47:43
90	90 180818M2_90	ST180818M2-15 PFC CS3 18H0906	19-Aug-18	06:58:30

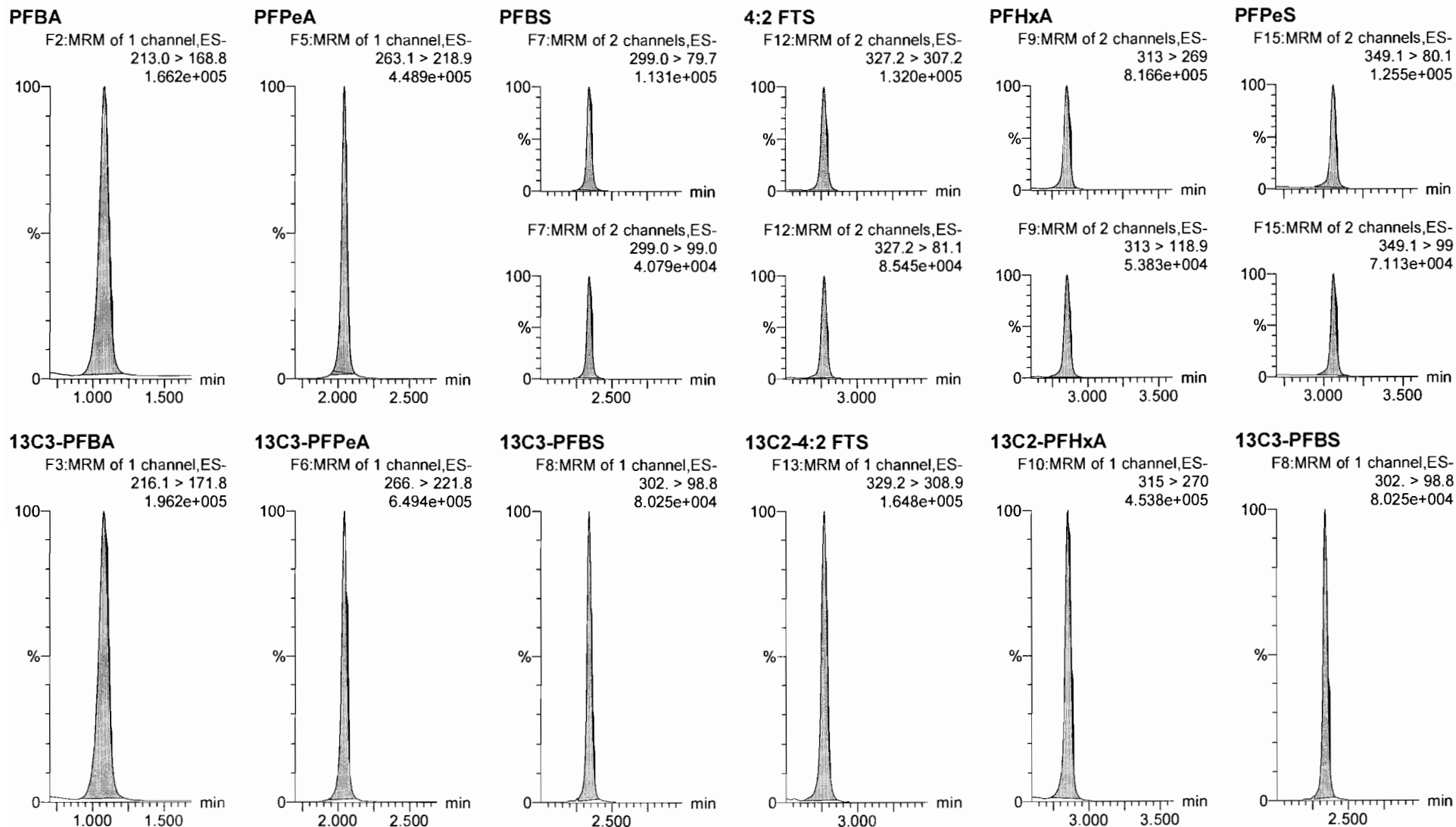


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time  
Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52  
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

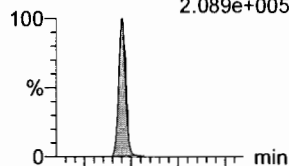
Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

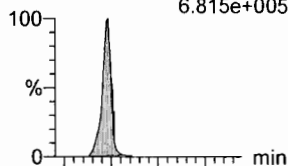
**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
2.089e+005



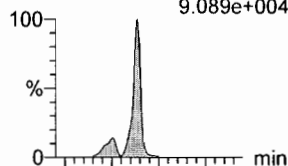
**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
6.815e+005



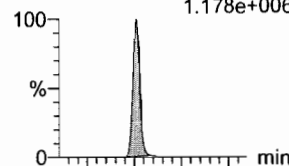
**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
9.089e+004



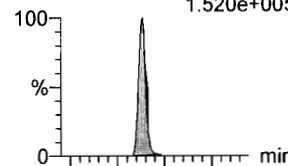
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
1.178e+006



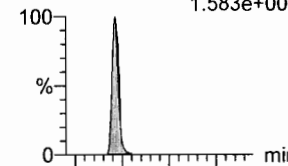
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
1.520e+005

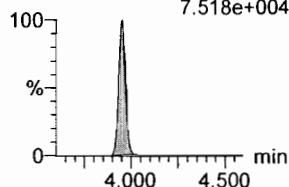


**PFNA**

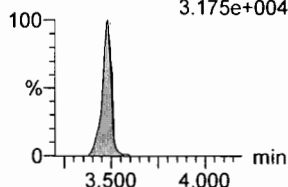
F27:MRM of 2 channels,ES-  
463.0 > 418.8  
1.583e+006



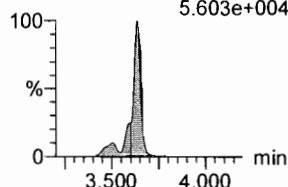
F24:MRM of 2 channels,ES-  
427.1 > 80  
7.518e+004



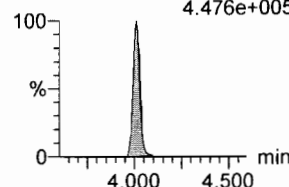
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
3.175e+004



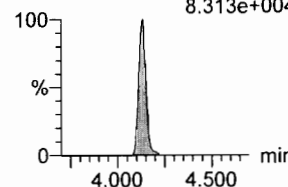
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
5.603e+004



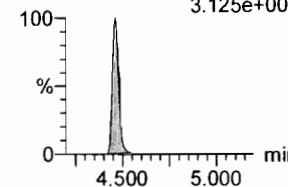
F21:MRM of 2 channels,ES-  
412.9 > 169  
4.476e+005



F26:MRM of 2 channels,ES-  
449 > 98.7  
8.313e+004

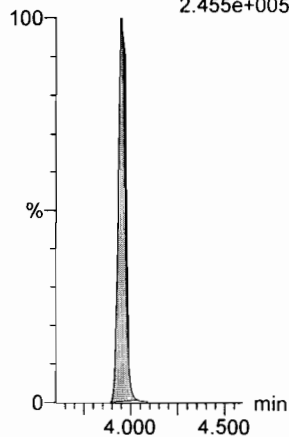


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
3.125e+005



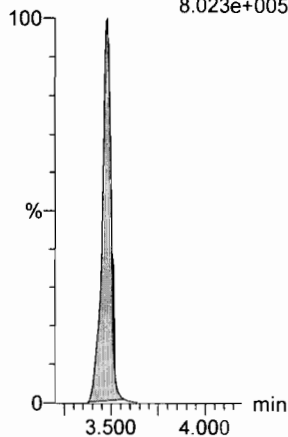
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.455e+005



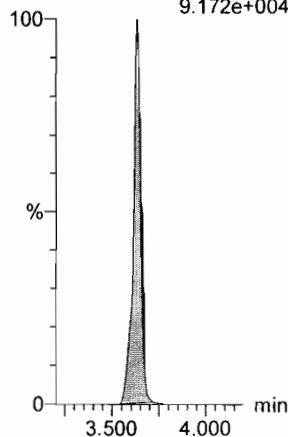
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
8.023e+005



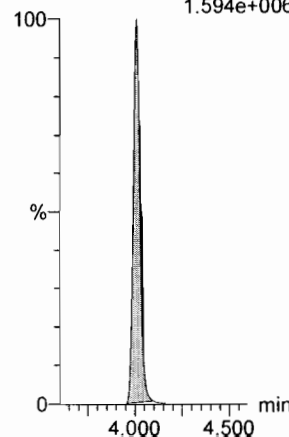
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
9.172e+004



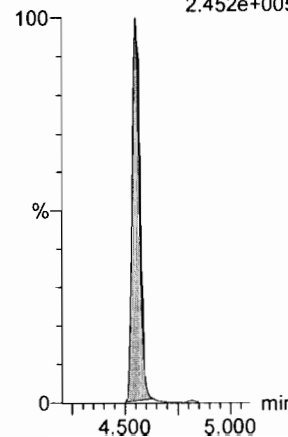
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.594e+006



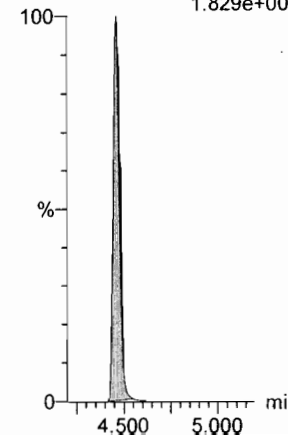
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.452e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.829e+006

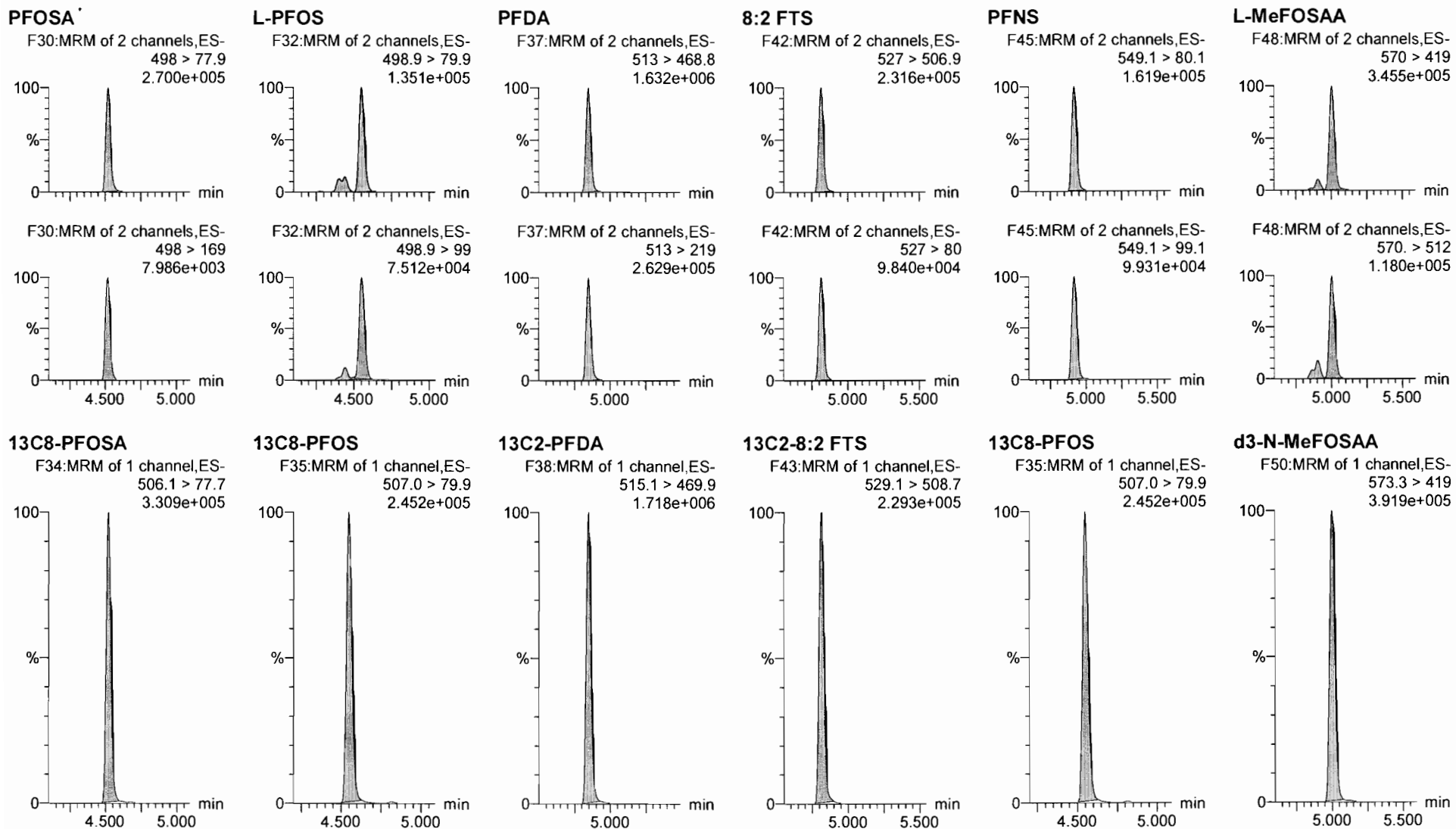


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

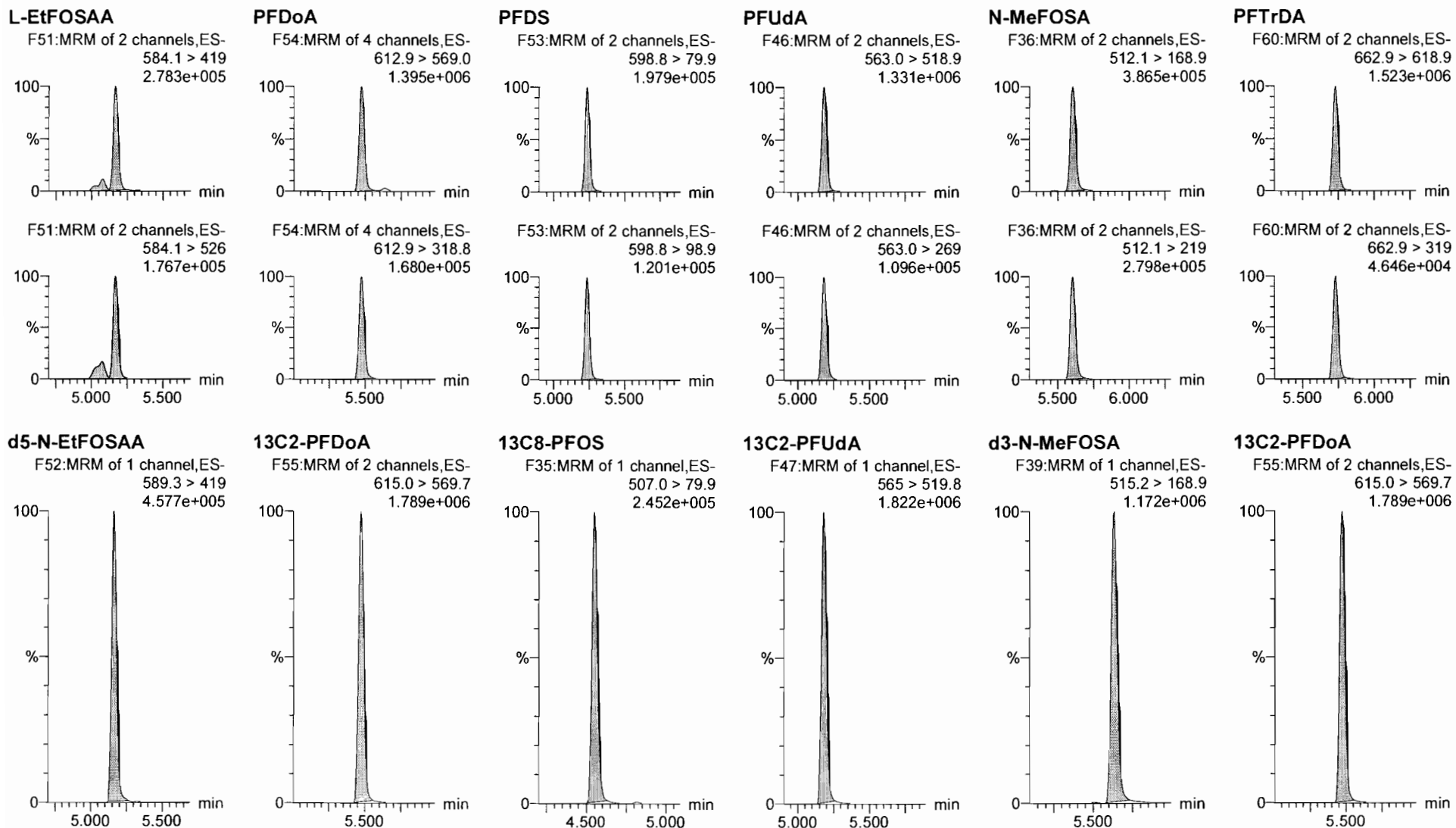


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

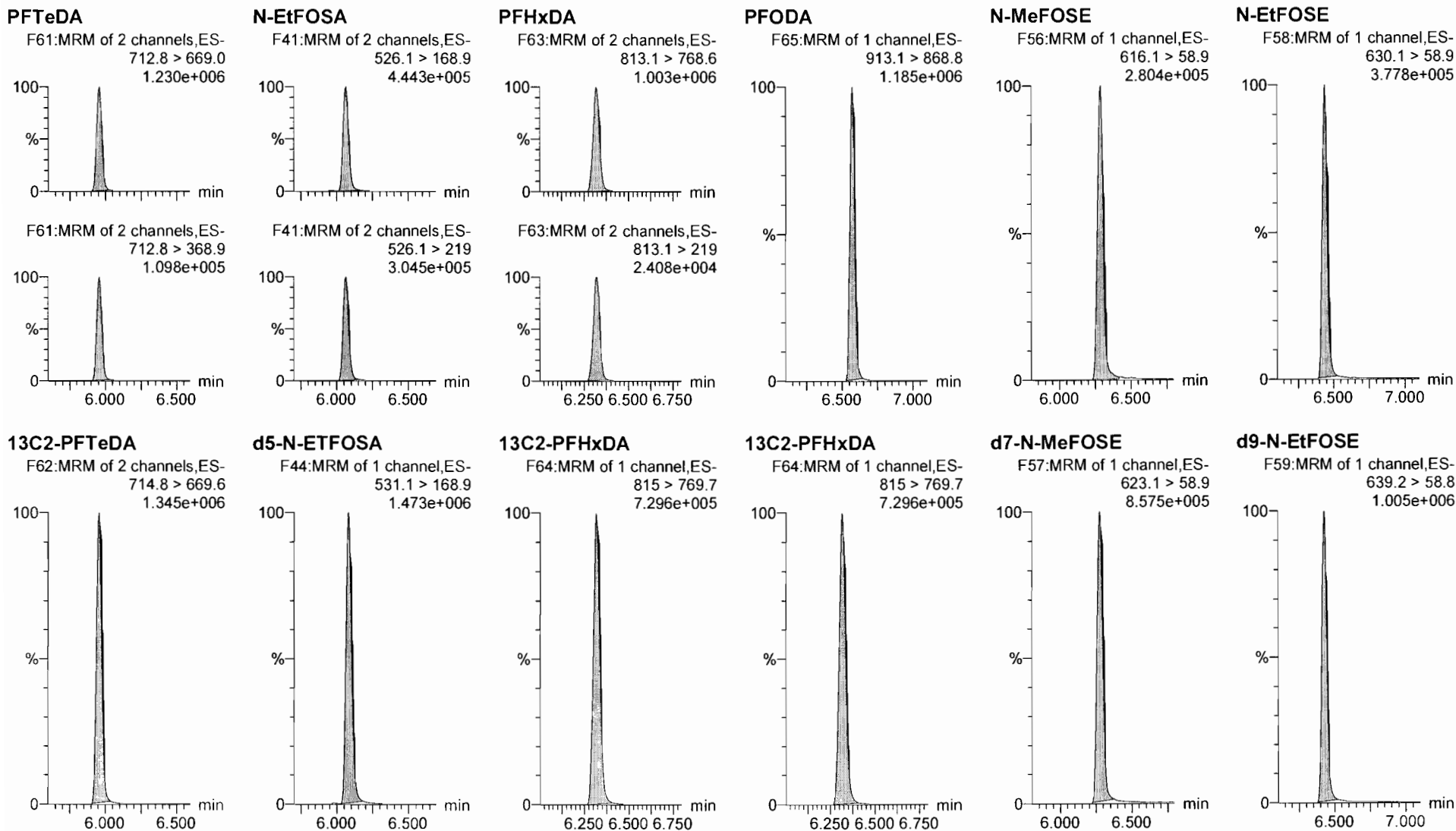
Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time  
Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-37.qld

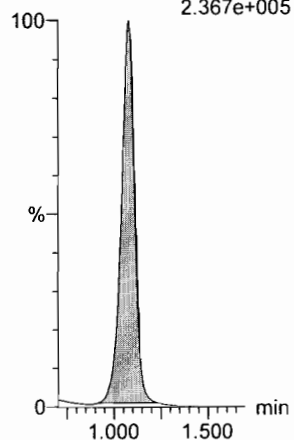
Last Altered: Monday, August 20, 2018 15:29:31 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:29:35 Pacific Daylight Time

Name: 180818M2\_37, Date: 18-Aug-2018, Time: 21:30:00, ID: ST180818M2-11 PFC CS3 18H0906, Description: PFC CS3 18H0906

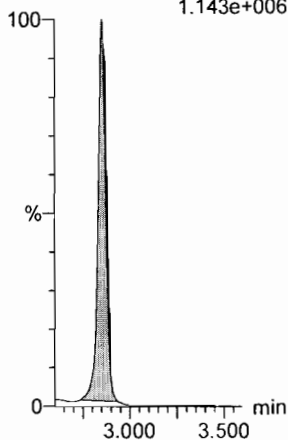
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.367e+005



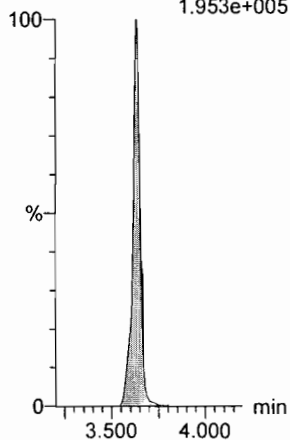
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.143e+006



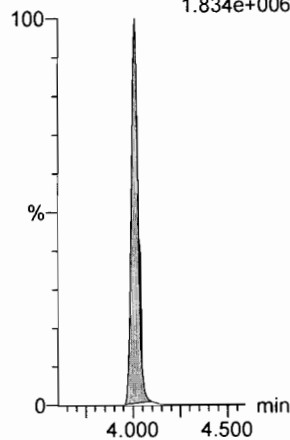
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.953e+005



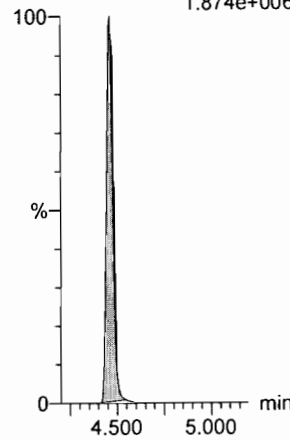
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.834e+006



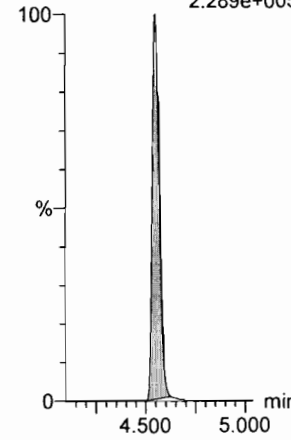
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.874e+006



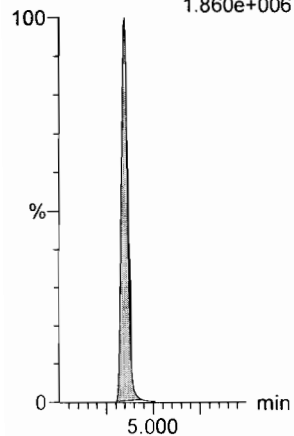
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.289e+005



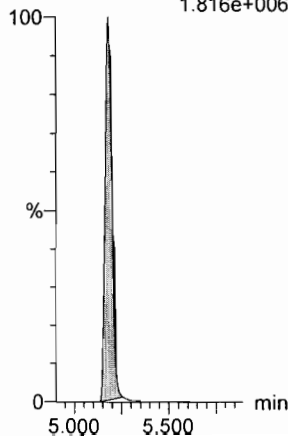
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.860e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.816e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

*AD 8/20/18*

*Jm 8/20/18*

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	14039.901	16618.297	1.00	1.08	10.561	9.2	91.9	NO		
2	2 PFPeA	263.1 > 218.9	21041.301	29763.879	1.00	2.04	8.837	9.3	93.2	NO		
3	3 PFBS	299.0 > 79.7	4759.815	3135.793	1.00	2.34	18.974	9.5	95.0	NO	2.818	NO
4	4 4:2 FTS	327.2>307.2	6068.699	7777.750	1.00	2.77	9.753	10.2	102.2	NO	1.564	NO
5	5 PFHxA	313 > 269	42002.422	22708.416	1.00	2.86	9.248	9.6	96.2	NO	14.398	NO
6	6 PFPeS	349.1>80.1	5888.136	3135.793	1.00	3.06	23.471	11.0	109.5	NO	1.809	NO
7	36 13C3-PFBA	216.1 > 171.8	16618.297	20201.195	1.00	1.08	10.283	12.5	100.1	NO		
8	37 13C3-PFPeA	266. > 221.8	29763.879	61089.570	1.00	2.04	6.090	12.5	100.3	NO		
9	38 13C3-PFBS	302. > 98.8	3135.793	61089.570	1.00	2.34	0.642	12.8	102.1	NO		
10	39 13C2-4:2 FTS	329.2>308.9	7777.750	61089.570	1.00	2.77	1.591	10.8	86.3	NO		
11	40 13C2-PFHxA	315 > 270	22708.416	61089.570	1.00	2.86	4.647	4.8	95.4	NO		
12	38 13C3-PFBS	302. > 98.8	3135.793	61089.570	1.00	2.34	0.642	12.8	102.1	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	8431.771	9825.228	1.00	3.95	10.727	10.5	105.5	NO	2.832	NO
15	7 PFHpA	363.0 > 318.9	38285.113	43779.016	1.00	3.48	10.931	9.8	97.7	NO	21.032	NO
16	8 L-PFHxS	398.9 > 79.6	5823.272	4353.916	1.00	3.63	16.718	9.6	96.5	NO	1.708	NO
17	11 L-PFOA	412.9 > 368.9	50344.637	65715.195	1.00	4.01	9.576	9.5	94.7	NO	2.623	NO
18	13 PFHpS	449 > 80.0	7181.626	10760.848	1.00	4.13	8.342	9.8	98.0	NO	1.803	NO
19	14 PFNA	463.0 > 418.8	64886.102	68739.578	1.00	4.46	11.799	10.0	100.2	NO	5.272	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	9825.228	81542.023	1.00	3.95	1.506	10.5	84.4	NO		
21	41 13C4-PFHpA	367.2 > 321.8	43779.016	61089.570	1.00	3.48	8.958	14.6	117.1	NO		
22	42 18O2-PFHxS	403.0 > 102.6	4353.916	8933.705	1.00	3.63	6.092	12.6	100.8	NO		
23	44 13C2-PFOA	414.9 > 369.7	65715.195	81542.023	1.00	4.01	10.074	12.3	98.2	NO		
24	47 13C8-PFOS	507.0 > 79.9	10760.848	9504.548	1.00	4.55	14.152	13.5	107.6	NO		
25	45 13C5-PFNA	468.2 > 422.9	68739.578	73475.914	1.00	4.46	11.694	12.0	96.2	NO		
26	-1											
27	15 PFOSA	498 > 77.9	10008.408	12727.533	1.00	4.52	9.829	9.5	95.0	NO	33.064	NO
28	16 L-PFOS	498.9 > 79.9	7357.818	10760.848	1.00	4.55	8.547	9.3	92.9	NO	1.858	NO
29	18 PFDA	513 > 468.8	64974.051	67524.703	1.00	4.85	12.028	9.7	96.5	NO	6.228	NO
30	19 8:2 FTS	527 > 506.9	8725.648	7920.577	1.00	4.82	13.771	10.9	108.6	NO	2.385	NO
31	20 PFNS	549.1 > 80.1	6465.174	10760.848	1.00	4.91	7.510	9.1	91.4	NO	1.546	NO
32	21 L-MeFOSAA	570 > 419	16607.482	17357.988	1.00	5.00	11.960	9.9	99.0	NO	2.663	NO
33	46 13C8-PFOSA	506.1 > 77.7	12727.533	77707.539	1.00	4.52	2.047	11.7	93.3	NO		
34	47 13C8-PFOS	507.0 > 79.9	10760.848	9504.548	1.00	4.55	14.152	13.5	107.6	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	67524.703	75448.430	1.00	4.85	11.187	11.7	93.5	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	7920.577	81542.023	1.00	4.82	1.214	10.2	81.8	NO		
37	47 13C8-PFOS	507.0 > 79.9	10760.848	9504.548	1.00	4.55	14.152	13.5	107.6	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	17357.988	77707.539	1.00	5.00	2.792	11.6	92.5	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	14073.591	18601.039	1.00	5.17	9.458	10.1	101.1	NO	1.552	NO
41	27 PFDoA	612.9 > 569.0	62971.797	79650.359	1.00	5.47	9.883	8.9	89.2	NO	7.991	NO
42	26 PFDS	598.8 > 79.9	7538.469	10760.848	1.00	5.23	8.757	9.5	95.2	NO	1.641	NO
43	25 PFUdA	563.0 > 518.9	56402.793	75002.695	1.00	5.18	9.400	9.8	97.7	NO	11.289	NO
44	28 N-MeFOSA	512.1 > 168.9	17812.959	53904.574	1.00	5.60	49.568	51.8	103.6	NO	1.429	NO
45	29 PFTrDA	662.9 > 618.9	69615.359	79650.359	1.00	5.73	10.925	9.5	95.0	NO	29.554	NO
46	52 d5-N-EtFOSAA	589.3 > 419	18601.039	77707.539	1.00	5.16	2.992	11.4	91.4	NO		
47	53 13C2-PFDoA	615.0 > 569.7	79650.359	75448.430	1.00	5.47	13.196	12.2	97.5	NO		
48	47 13C8-PFOS	507.0 > 79.9	10760.848	9504.548	1.00	4.55	14.152	13.5	107.6	NO		
49	51 13C2-PFUdA	565 > 519.8	75002.695	77707.539	1.00	5.18	12.065	12.3	98.2	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	53904.574	77707.539	1.00	5.63	8.671	136.6	91.1	NO		
51	53 13C2-PFDoA	615.0 > 569.7	79650.359	75448.430	1.00	5.47	13.196	12.2	97.5	NO		
52	-1											
53	30 PFTeDA	712.8 > 669.0	55629.410	60039.180	1.00	5.96	11.582	9.1	90.9	NO	12.020	NO
54	31 N-EtFOSA	526.1 > 168.9	20882.195	70435.977	1.00	6.06	44.471	48.3	96.6	NO	1.441	NO
55	32 PFHxDA	813.1 > 768.6	41293.422	29889.945	1.00	6.32	6.908	10.3	103.1	NO	40.838	NO
56	33 PFODA	913.1 > 868.8	46969.770	29889.945	1.00	6.57	7.857	10.3	102.8	NO		
57	34 N-MeFOSE	616.1 > 58.9	13887.640	42727.660	1.00	6.29	48.754	51.7	103.4	NO		
58	35 N-EtFOSE	630.1 > 58.9	15962.124	42789.230	1.00	6.44	55.956	50.9	101.7	NO		
59	55 13C2-PFTeDA	714.8 > 669.6	60039.180	77707.539	1.00	5.96	9.658	12.4	99.5	NO		
60	56 d5-N-ETFOSE	531.1 > 168.9	70435.977	77707.539	1.00	6.08	11.330	146.2	97.4	NO		
61	57 13C2-PFHxDA	815 > 769.7	29889.945	77707.539	1.00	6.32	4.808	4.9	97.1	NO		
62	57 13C2-PFHxDA	815 > 769.7	29889.945	77707.539	1.00	6.32	4.808	4.9	97.1	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	42727.660	77707.539	1.00	6.27	6.873	139.6	93.1	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	42789.230	77707.539	1.00	6.43	6.883	140.5	93.6	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	20201.195	20201.195	1.00	1.07	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	61089.570	61089.570	1.00	2.86	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	8933.705	8933.705	1.00	3.63	12.500	12.5	100.0	NO		



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	420.9 > 376	81542.023	81542.023	1.00	4.01	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	73475.914	73475.914	1.00	4.46	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	9504.548	9504.548	1.00	4.55	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	75448.430	75448.430	1.00	4.85	12.500	12.5	100.0		NO	
73	67 13C7-PFUdA	570.1 > 524.8	77707.539	77707.539	1.00	5.18	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180818M2_1	IPA	18-Aug-18	15:03:29
2	2 180818M2_2	ST180818M2-1 PFC CS-2 18H0901	18-Aug-18	15:14:28
3	3 180818M2_3	ST180818M2-2 PFC CS-1 18H0902	18-Aug-18	15:25:13
4	4 180818M2_4	ST180818M2-3 PFC CS0 18H0903	18-Aug-18	15:35:53
5	5 180818M2_5	ST180818M2-4 PFC CS1 18H0904	18-Aug-18	15:46:40
6	6 180818M2_6	ST180818M2-5 PFC CS2 18H0905	18-Aug-18	15:57:21
7	7 180818M2_7	ST180818M2-6 PFC CS3 18H0906	18-Aug-18	16:08:07
8	8 180818M2_8	ST180818M2-7 PFC CS4 18H0907	18-Aug-18	16:18:53
9	9 180818M2_9	ST180818M2-8 PFC CS5 18H0908	18-Aug-18	16:29:34
10	10 180818M2_10	ST180818M2-9 PFC CS6 18H0909	18-Aug-18	16:40:21
11	11 180818M2_11	ST180818M2-10 PFC CS7 18H0910	18-Aug-18	16:51:02
12	12 180818M2_12	IPA	18-Aug-18	17:01:48
13	13 180818M2_13	ICV180818M2-1 PFC 537 ICV 18H0911	18-Aug-18	17:12:30
14	14 180818M2_14	1801963-01 Bemidji Pilot APR2 Lead 0.2...	18-Aug-18	17:23:17
15	15 180818M2_15	1801963-02 Bemidji Pilot PSR2 + 0.2439	18-Aug-18	17:33:58
16	16 180818M2_16	1801963-03 Bemidji Pilot INF 0.24699	18-Aug-18	17:44:36
17	17 180818M2_17	B8G0097-BS1 OPR 1	18-Aug-18	17:55:23
18	18 180818M2_18	B8G0238-BS1 OPR 0.25	18-Aug-18	18:06:09
19	19 180818M2_19	B8G0238-MS1 Matrix Spike 0.24901	18-Aug-18	18:16:50
20	20 180818M2_20	B8G0238-MSD1 Matrix Spike Dup 0.245...	18-Aug-18	18:27:36
21	21 180818M2_21	B8G0238-BLK1 Method Blank 0.25	18-Aug-18	18:38:18
22	22 180818M2_22	1802055-01 Clarks-DW-072518 0.24525	18-Aug-18	18:49:04
23	23 180818M2_23	1802055-02 Clarks-FB-072518 0.2438	18-Aug-18	18:59:44
24	24 180818M2_24	1802055-03 Shop Pasture-DW-072518 ...	18-Aug-18	19:10:31
25	25 180818M2_25	1802055-04 Shop Pasture-FB-072518 0...	18-Aug-18	19:21:11
26	26 180818M2_26	1802055-05 Welder HQ-DW-072518 0.2...	18-Aug-18	19:31:57
27	27 180818M2_27	1802055-06 Welder HQ-FB-072518 0.2...	18-Aug-18	19:42:38
28	28 180818M2_28	1802055-07 Lupes House-DW-072518 ...	18-Aug-18	19:53:25
29	29 180818M2_29	1802055-08 Lupes House-FB-072518 0....	18-Aug-18	20:04:11
30	30 180818M2_30	1802055-09 Charlies-DW-072518 0.243...	18-Aug-18	20:14:52
31	31 180818M2_31	1802055-10 Charlies-FB-072518 0.2447	18-Aug-18	20:25:39
32	32 180818M2_32	1802055-11 Horticendorf-DW-072518 0....	18-Aug-18	20:36:20

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180818M2_33	1802055-12 Hortzendorf-FB-072518 0.2...	18-Aug-18	20:47:07
34	34 180818M2_34	1802055-13 Charlies Pasture-DW-0725...	18-Aug-18	20:57:47
35	35 180818M2_35	1802055-14 Charlies Pasture-FB-07251...	18-Aug-18	21:08:34
36	36 180818M2_36	IPA	18-Aug-18	21:19:13
37	37 180818M2_37	ST180818M2-11 PFC CS3 18H0906	18-Aug-18	21:30:00
38	38 180818M2_38	1802055-15 Shooting Range 1-DW-072...	18-Aug-18	21:40:41
39	39 180818M2_39	1802055-16 Shooting Range 1-FB-0725...	18-Aug-18	21:51:28
40	40 180818M2_40	1802055-17 DUP-1 0.24858	18-Aug-18	22:02:09
41	41 180818M2_41	B8G0245-BS1 OPR 0.125	18-Aug-18	22:12:55
42	42 180818M2_42	B8G0245-BSD1 LCSD 0.125	18-Aug-18	22:23:35
43	43 180818M2_43	B8G0245-BLK1 Method Blank 0.125	18-Aug-18	22:34:22
44	44 180818M2_44	1801974-01 PFAS-STP-SO-EB01 0.097...	18-Aug-18	22:45:02
45	45 180818M2_45	1802091-01 REEPDW1212 0.11629	18-Aug-18	22:55:48
46	46 180818M2_46	1802091-02 REEPDW1213 0.12052	18-Aug-18	23:06:29
47	47 180818M2_47	1802091-03 REEPDW1214 0.11773	18-Aug-18	23:17:15
48	48 180818M2_48	1802091-04 REEPDW1215 0.12338	18-Aug-18	23:27:56
49	49 180818M2_49	1802091-05 REEPDW1216 0.11745	18-Aug-18	23:38:43
50	50 180818M2_50	1802092-01 REEPDW1212FRB 0.11995	18-Aug-18	23:49:24
51	51 180818M2_51	1802092-02 REEPDW1213FRB 0.1184	19-Aug-18	00:00:10
52	52 180818M2_52	1802092-03 REEPDW1214FRB 0.11426	19-Aug-18	00:10:56
53	53 180818M2_53	1802092-04 REEPDW1215FRB 0.11712	19-Aug-18	00:21:37
54	54 180818M2_54	1802092-05 REEPDW1216FRB 0.1201	19-Aug-18	00:32:24
55	55 180818M2_55	1802095-01 REEPDW1218 0.11778	19-Aug-18	00:43:10
56	56 180818M2_56	IPA	19-Aug-18	00:53:52
57	57 180818M2_57	ST180818M2-12 PFC CS3 18H0906	19-Aug-18	01:04:30
58	58 180818M2_58	1802095-02 REEPDW1217 0.12064	19-Aug-18	01:15:16
59	59 180818M2_59	1802095-03 REEPDW1219 0.1196	19-Aug-18	01:25:58
60	60 180818M2_60	1802096-01 REEPDW1218FRB 0.12181	19-Aug-18	01:36:45
61	61 180818M2_61	1802096-02 REEPDW1217FRB 0.12124	19-Aug-18	01:47:26
62	62 180818M2_62	1802096-03 REEPDW1219FRB 0.11784	19-Aug-18	01:58:12
63	63 180818M2_63	1802115-01 REEPDW1220FRB 0.1158	19-Aug-18	02:08:54
64	64 180818M2_64	1802115-02 REEPDW1221FRB 0.11562	19-Aug-18	02:19:40
65	65 180818M2_65	1802115-03 REEPDW1223FRB 0.11727	19-Aug-18	02:30:22
66	66 180818M2_66	1802115-04 REEPDW1224FRB 0.11767	19-Aug-18	02:41:08
67	67 180818M2_67	1802115-05 REEPDW1222FRB 0.11639	19-Aug-18	02:51:49
68	68 180818M2_68	1802115-06 REEPDW1225FRB 0.11206	19-Aug-18	03:02:28

Dataset: Untitled

Last Altered: Monday, August 20, 2018 15:35:27 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:35:41 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180818M2_69	IPA	19-Aug-18	03:13:14
70	70 180818M2_70	ST180818M2-13 PFC CS3 18H0906	19-Aug-18	03:23:52
71	71 180818M2_71	ST180818M2-14 PFC CS0 18H0903	19-Aug-18	03:34:39
72	72 180818M2_72	1802115-07 REEPDW1229FRB 0.11554	19-Aug-18	03:45:25
73	73 180818M2_73	1802115-08 REEPDW1230FRB 0.11545	19-Aug-18	03:56:07
74	74 180818M2_74	1802115-09 REEPDW1231FRB 0.11589	19-Aug-18	04:06:53
75	75 180818M2_75	B8H0016-BS1 OPR 0.125	19-Aug-18	04:17:34
76	76 180818M2_76	B8H0016-BLK1 Method Blank 0.125	19-Aug-18	04:28:20
77	77 180818M2_77	B8H0016-MS1 Matrix Spike 0.11005	19-Aug-18	04:39:02
78	78 180818M2_78	B8H0016-MSD1 Matrix Spike Dup 0.114...	19-Aug-18	04:49:48
79	79 180818M2_79	1802114-01 REEPDW1220 0.11573	19-Aug-18	05:00:28
80	80 180818M2_80	1802114-02 REEPDW571 0.11327	19-Aug-18	05:11:14
81	81 180818M2_81	1802114-03 REEPDW1221 0.11667	19-Aug-18	05:21:56
82	82 180818M2_82	1802114-04 REEPDW1223 0.11625	19-Aug-18	05:32:34
83	83 180818M2_83	1802114-05 REEPDW1224 0.11585	19-Aug-18	05:43:20
84	84 180818M2_84	1802114-06 REEPDW1222 0.11698	19-Aug-18	05:54:07
85	85 180818M2_85	1802114-07 REEPDW1225 0.11542	19-Aug-18	06:04:48
86	86 180818M2_86	1802114-08 REEPDW1229 0.11627	19-Aug-18	06:15:35
87	87 180818M2_87	1802114-09 REEPDW1230 0.11256	19-Aug-18	06:26:16
88	88 180818M2_88	1802114-10 REEPDW572 0.1165	19-Aug-18	06:37:02
89	89 180818M2_89	IPA	19-Aug-18	06:47:43
90	90 180818M2_90	ST180818M2-15 PFC CS3 18H0906	19-Aug-18	06:58:30

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

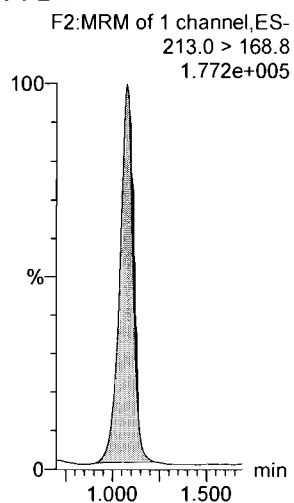
Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

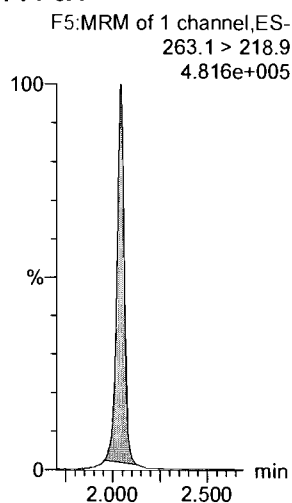
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

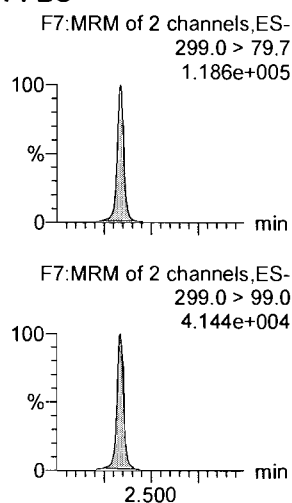
**PFBA**



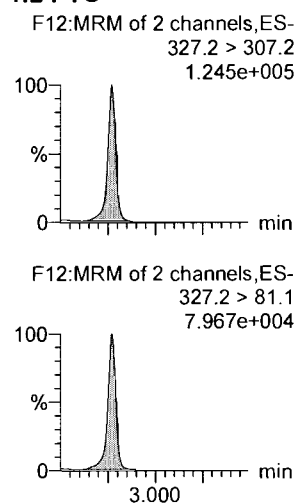
**PFPeA**



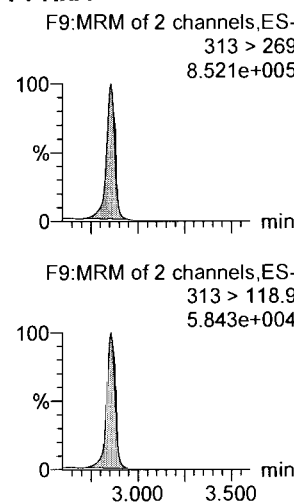
**PFBS**



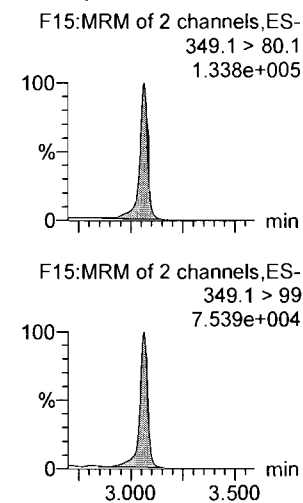
**4:2 FTS**



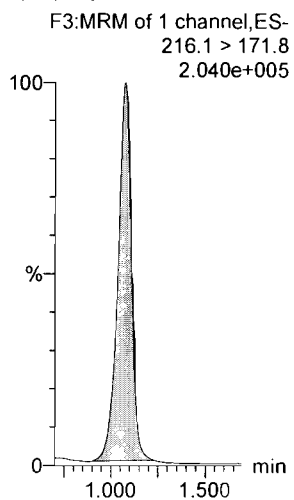
**PFHxA**



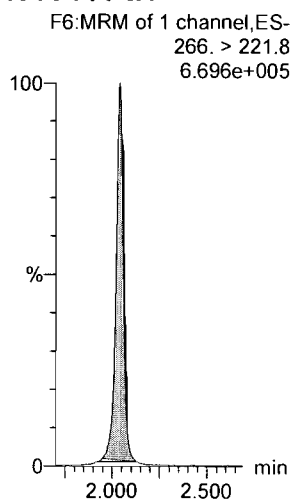
**PFPeS**



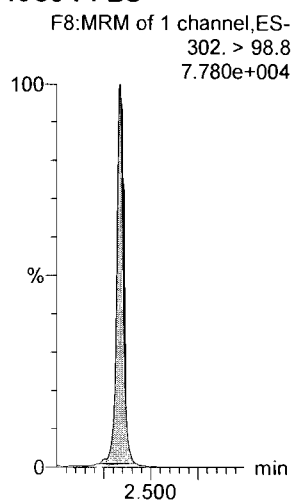
**13C3-PFBA**



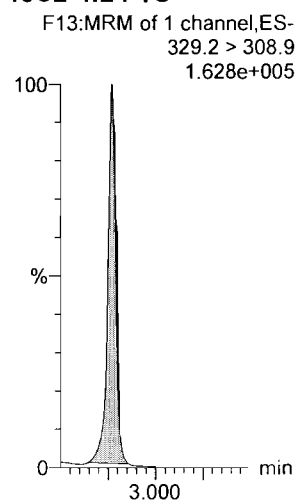
**13C3-PFPeA**



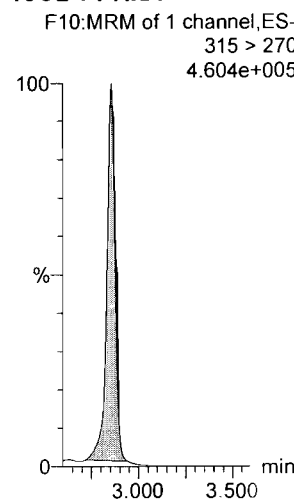
**13C3-PFBS**



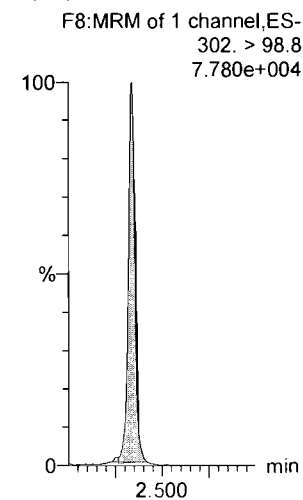
**13C2-4:2 FTS**



**13C2-PFHxA**



**13C3-PFBS**

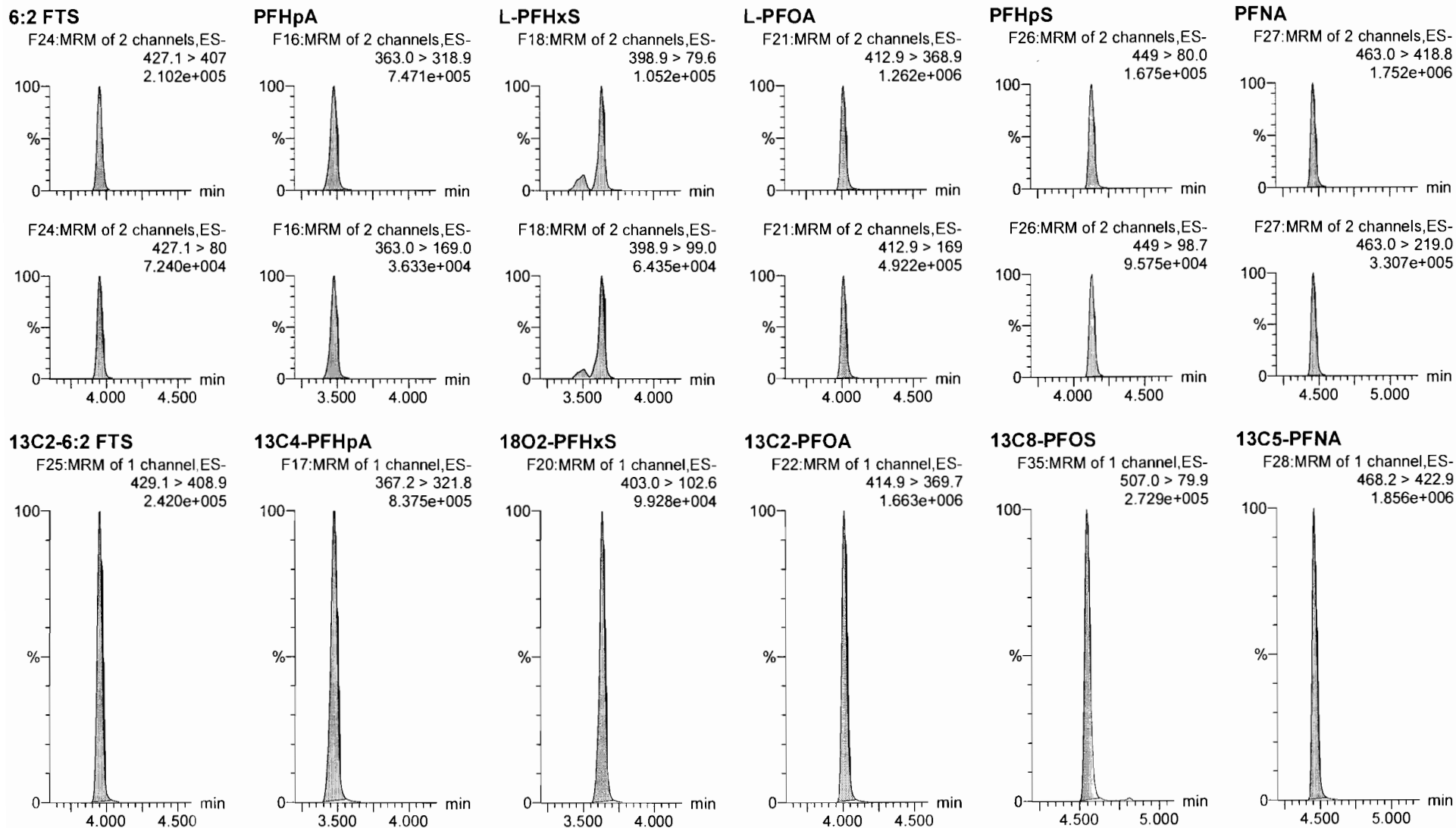


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

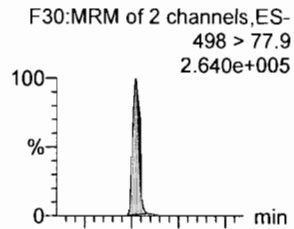


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

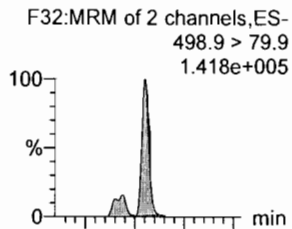
Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time  
Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

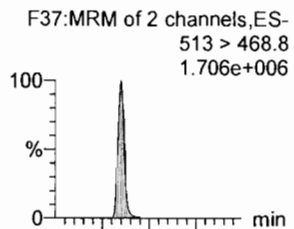
**PFOSA**



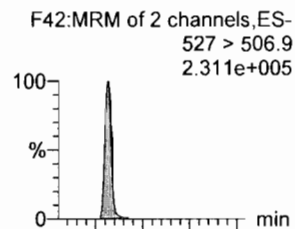
**L-PFOS**



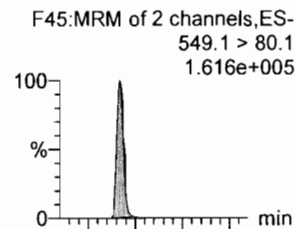
**PFDA**



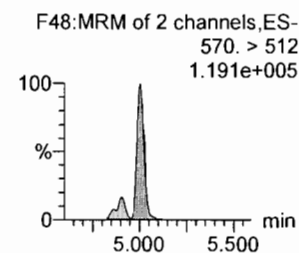
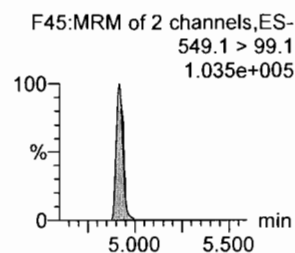
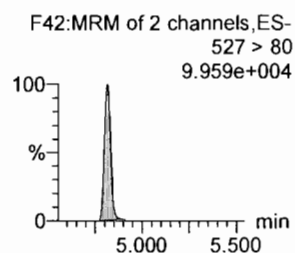
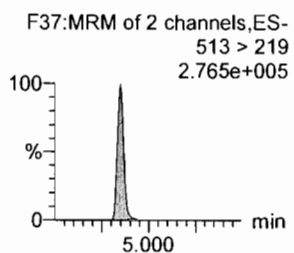
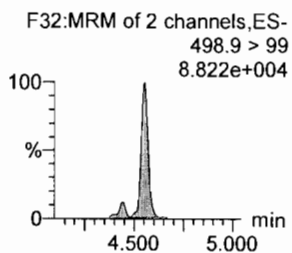
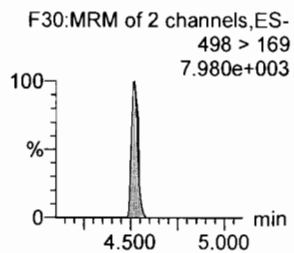
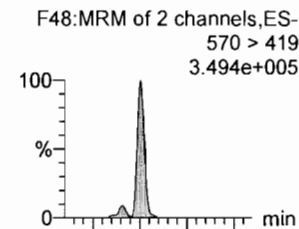
**8:2 FTS**



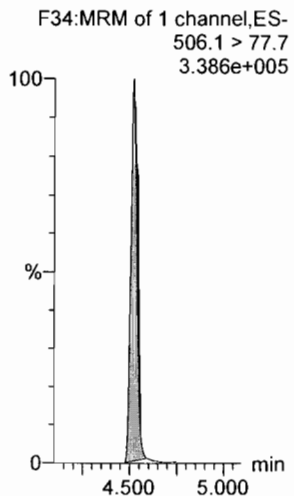
**PFNS**



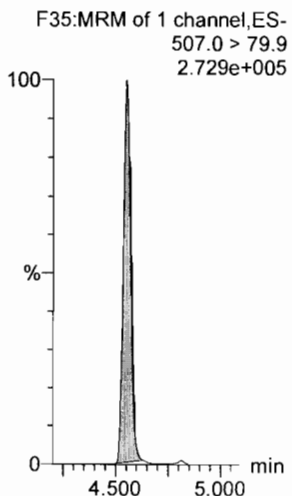
**L-MeFOSAA**



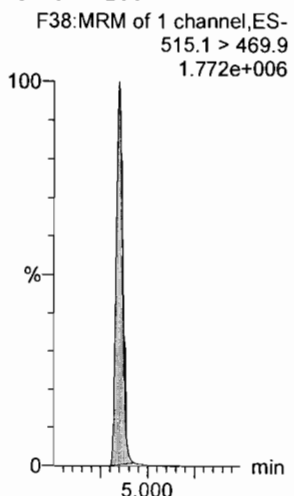
**13C8-PFOA**



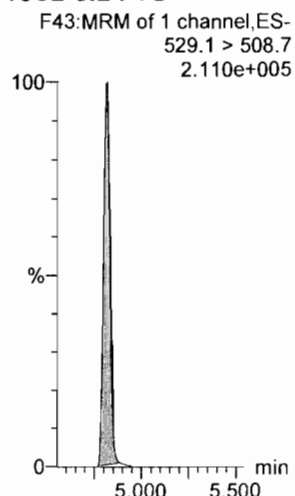
**13C8-PFOS**



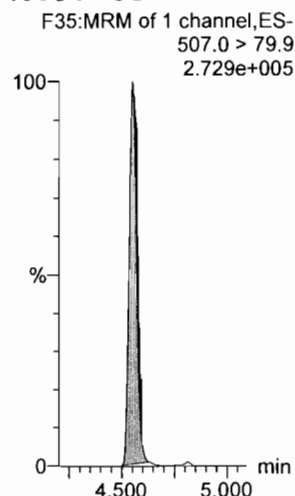
**13C2-PFDA**



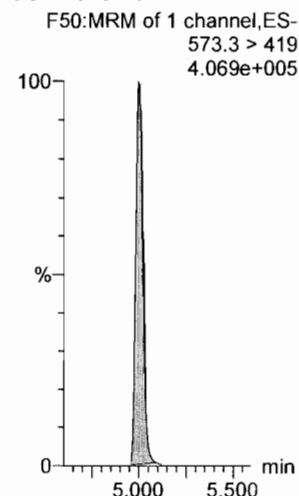
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**

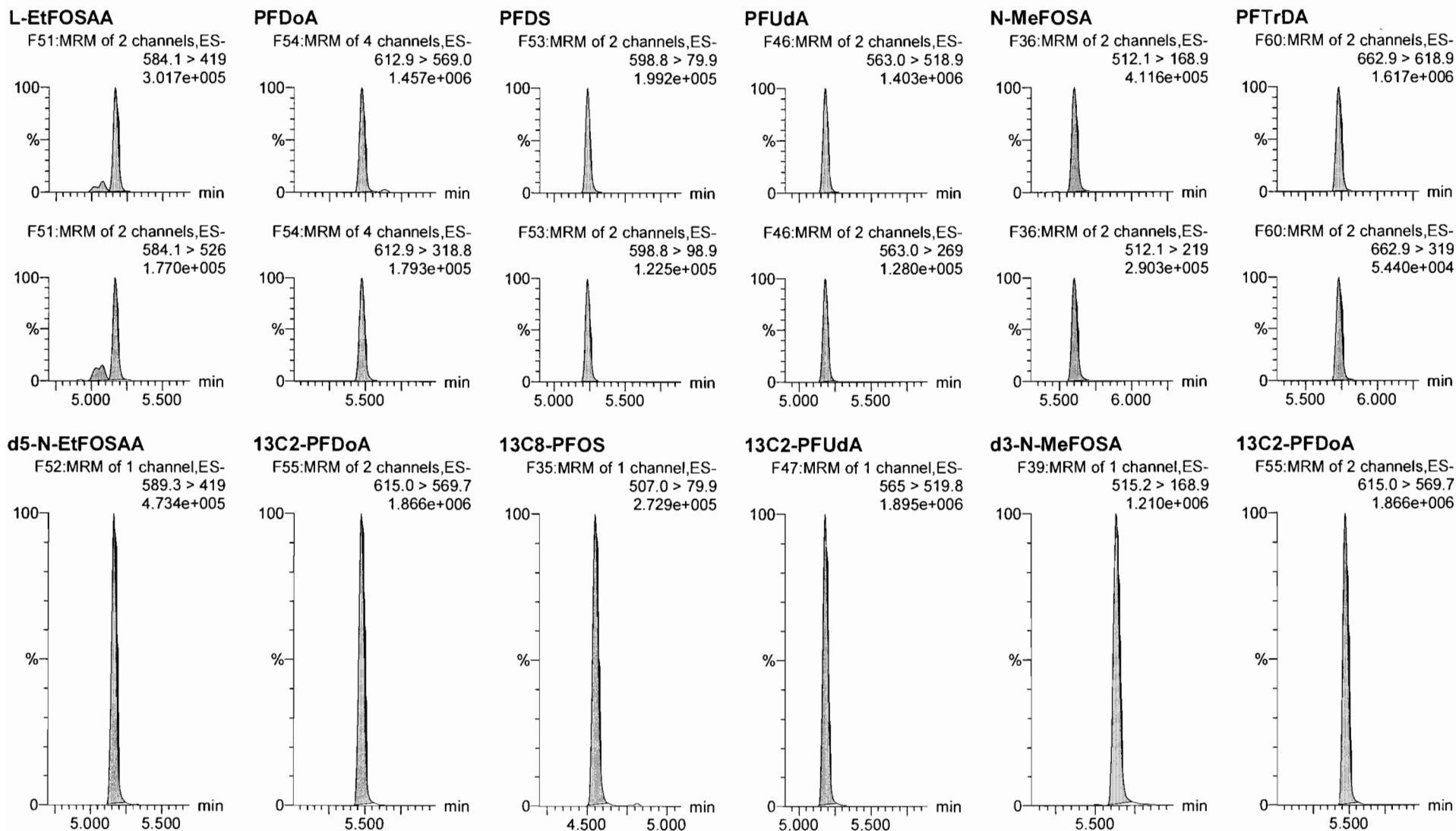


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906



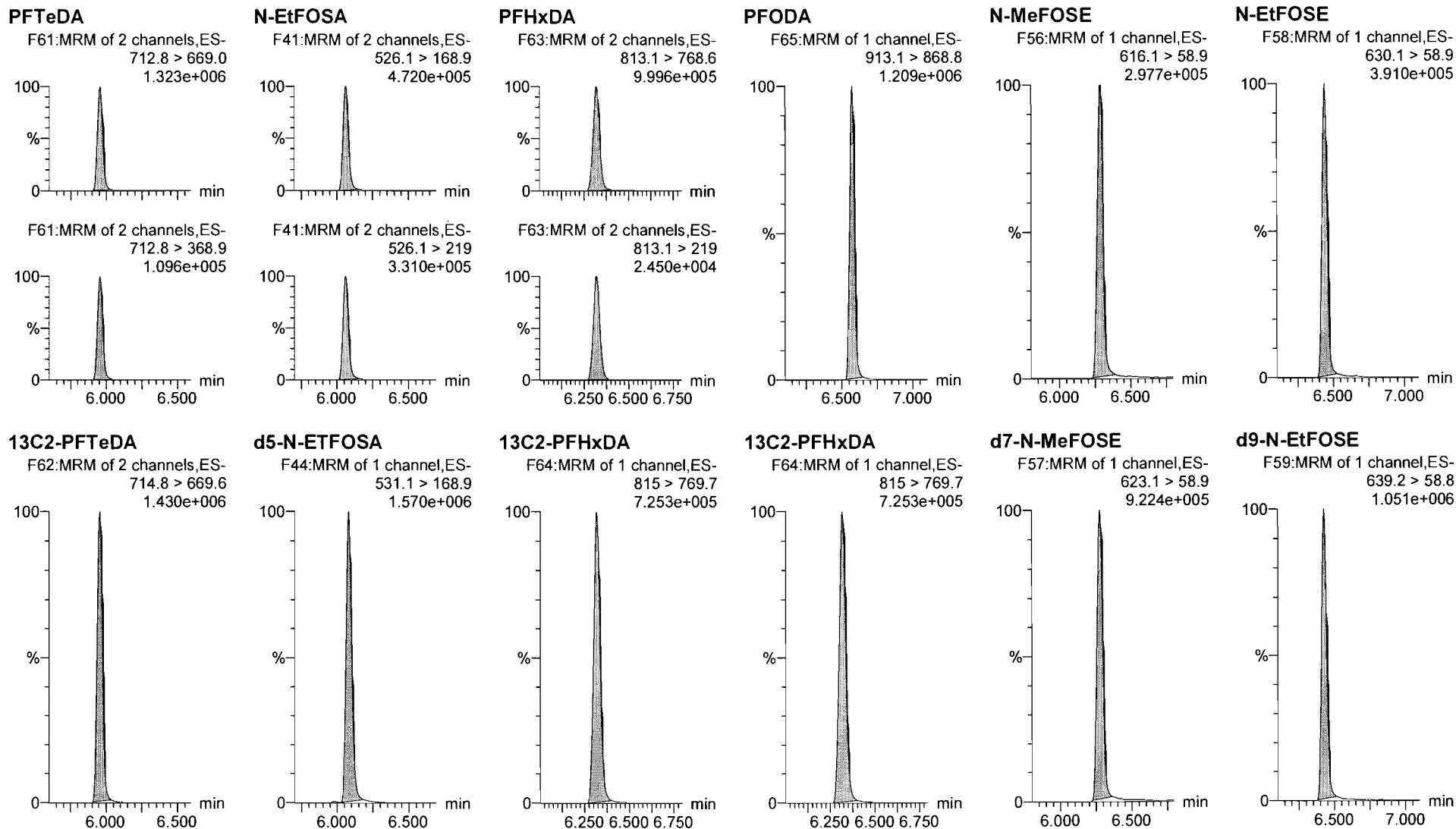


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-57.qld

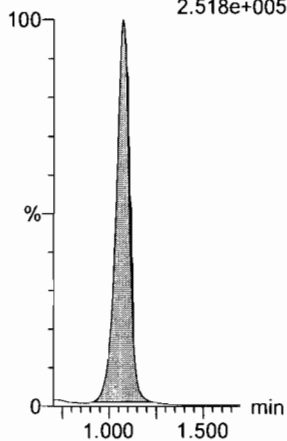
Last Altered: Monday, August 20, 2018 14:43:39 Pacific Daylight Time

Printed: Monday, August 20, 2018 15:26:56 Pacific Daylight Time

Name: 180818M2\_57, Date: 19-Aug-2018, Time: 01:04:30, ID: ST180818M2-12 PFC CS3 18H0906, Description: PFC CS3 18H0906

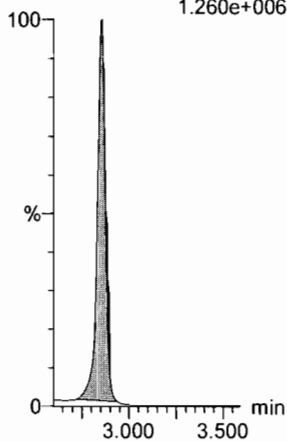
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.518e+005



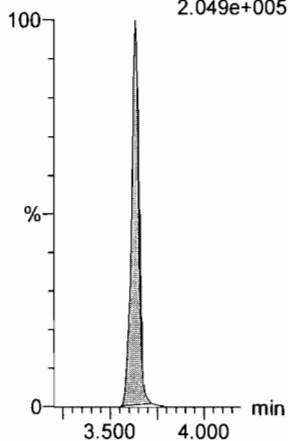
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.260e+006



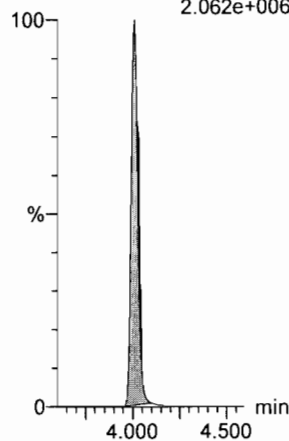
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.049e+005



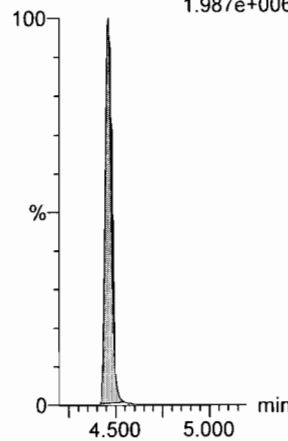
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
2.062e+006



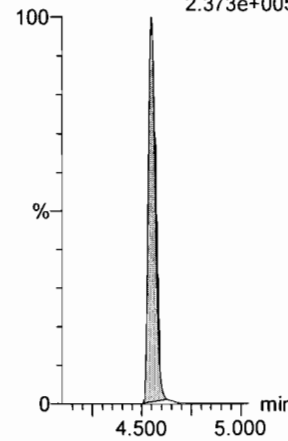
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.987e+006



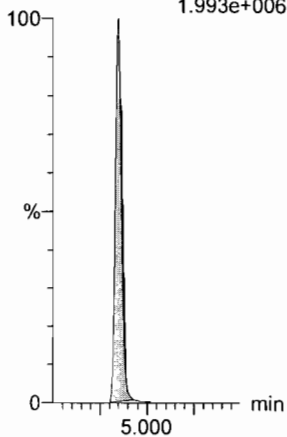
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.373e+005



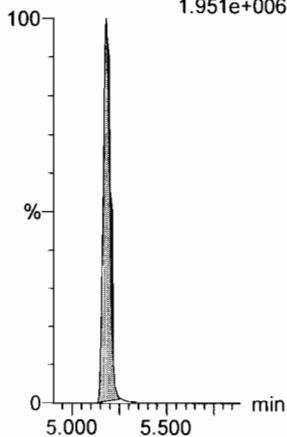
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.993e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.951e+006



**INITIAL CALIBRATION (ICAL)**  
**INCLUDING ASSOCIATED**  
**INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)**

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

*low pt*  
 NO low pts applied.

*high pt*  
 4 ZFTS = 100  
 0.2 FTS  
 0.2 FTS  
 we rose = 1250  
 670 SE

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 18 Aug 2018 13:22:04  
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

**Compound name: PFBA**

Correlation coefficient:  $r = 0.999330$ ,  $r^2 = 0.998661$

Calibration curve:  $1.15285 * x + -0.0303052$

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

*VAD 8/20/18*

*QMG 8/16/18*  
*SM 8/19/18*

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	1.08	423.307	16862.027	0.314	0.3	19.4	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	1.07	770.326	16590.260	0.580	0.5	5.9	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	1.07	1514.561	17001.100	1.114	1.0	-0.8	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	1.08	3181.158	17616.727	2.257	2.0	-0.8	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	1.08	7261.215	16770.859	5.412	4.7	-5.6	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	1.08	13177.488	15416.279	10.685	9.3	-7.1	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	1.08	66335.195	15517.040	53.437	46.4	-7.2	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	1.08	140296.219	16507.361	106.238	92.2	-7.8	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	1.08	369470.031	15571.950	296.583	257.3	2.9	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	1.08	704233.625	15118.513	582.261	505.1	1.0	NO	0.999	NO	bb

**Compound name: PFPeA**

Coefficient of Determination:  $R^2 = 0.999227$

Calibration curve:  $0.000205882 * x^2 + 0.949168 * x + -0.0231284$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	2.04	591.345	31119.863	0.238	0.3	9.8	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	2.03	1094.114	30241.293	0.452	0.5	0.2	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	2.04	2191.382	31089.707	0.881	1.0	-4.8	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	2.04	4855.573	32188.441	1.886	2.0	0.5	NO	0.999	NO	MM
5	5 180818M2_6	Standard	5.000	2.04	11403.508	30398.725	4.689	5.0	-0.8	NO	0.999	NO	MM
6	6 180818M2_7	Standard	10.000	2.04	20704.387	27457.793	9.426	9.9	-0.7	NO	0.999	NO	db
7	7 180818M2_8	Standard	50.000	2.04	103483.750	27672.750	46.744	48.8	-2.5	NO	0.999	NO	MM
8	8 180818M2_9	Standard	100.000	2.04	205954.188	27978.475	92.015	95.0	-5.0	NO	0.999	NO	MM
9	9 180818M2_10	Standard	250.000	2.04	563131.938	27028.801	260.431	259.8	3.9	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: PFPeA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180818M2_11	Standard	500.000	2.04	1051267.000	25174.316	521.994	496.5	-0.7	NO	0.999	NO	bb

**Compound name: PFBS**

Coefficient of Determination: R<sup>2</sup> = 0.997535

Calibration curve: 0.000367652 \* x<sup>2</sup> + 2.00967 \* x + -0.144232

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	2.34	133.175	3425.504	0.486	0.3	25.4	NO	0.998	NO	bb
2	2 180818M2_3	Standard	0.500	2.34	206.924	3268.840	0.791	0.5	-6.9	NO	0.998	NO	bb
3	3 180818M2_4	Standard	1.000	2.33	506.046	3351.717	1.887	1.0	1.1	NO	0.998	NO	MM
4	4 180818M2_5	Standard	2.000	2.34	1031.386	3458.118	3.728	1.9	-3.7	NO	0.998	NO	MM
5	5 180818M2_6	Standard	5.000	2.33	2498.523	3280.868	9.519	4.8	-3.9	NO	0.998	NO	MM
6	6 180818M2_7	Standard	10.000	2.34	4573.160	3003.423	19.033	9.5	-4.7	NO	0.998	NO	MM
7	7 180818M2_8	Standard	50.000	2.34	21770.242	2824.817	96.335	47.6	-4.8	NO	0.998	NO	bb
8	8 180818M2_9	Standard	100.000	2.34	42270.688	2820.908	187.310	91.7	-8.3	NO	0.998	NO	bb
9	9 180818M2_10	Standard	250.000	2.34	110647.141	2450.505	564.410	267.8	7.1	NO	0.998	NO	bb
10	10 180818M2_11	Standard	500.000	2.34	202513.969	2341.784	1080.981	493.4	-1.3	NO	0.998	NO	MM

**Compound name: 4:2 FTS**

Coefficient of Determination: R<sup>2</sup> = 0.999041

Calibration curve: -0.00237094 \* x<sup>2</sup> + 0.975754 \* x + 0.0265581

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 180818M2_2	Standard	0.250	2.76	182.885	9398.976	0.243	0.2	-11.1	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	2.76	307.848	8641.103	0.445	0.4	-14.1	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	2.76	831.884	9554.598	1.088	1.1	9.1	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	2.76	1728.104	9964.151	2.168	2.2	10.3	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	2.76	3600.502	8542.848	5.268	5.4	8.9	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	2.76	6507.632	8634.214	9.421	9.9	-1.4	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	2.76	31094.889	9268.626	41.936	48.7	-2.6	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: 4:2 FTS**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180818M2_9	Standard	100.000	2.77	55605.281	9347.930	74.355	100.9	0.9	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	2.76	148233.094	13780.060	134.463			NO	0.999	NO	bbXI
10	10 180818M2_11	Standard	500.000	2.76	239023.016	17019.105	175.555			NO	0.999	NO	bbXI

**Compound name: PFHxA**

Coefficient of Determination: R<sup>2</sup> = 0.998963

Calibration curve:  $-2.04136e-005 * x^2 + 0.96052 * x + 0.00577971$

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 180818M2_2	Standard	0.250	2.85	1261.667	24885.418	0.253	0.3	3.2	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	2.85	2227.981	23492.553	0.474	0.5	-2.5	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	2.85	5394.629	26398.832	1.022	1.1	5.8	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	2.85	10859.796	27189.494	1.997	2.1	3.7	NO	0.999	NO	MM
5	5 180818M2_6	Standard	5.000	2.85	21674.938	23211.816	4.669	4.9	-2.9	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	2.85	43638.652	22833.115	9.556	9.9	-0.6	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	2.85	220114.891	23433.619	46.966	48.9	-2.1	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	2.85	377231.844	20898.920	90.252	94.1	-5.9	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	2.85	1096163.375	21941.959	249.787	261.5	4.6	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	2.85	1829942.375	19429.326	470.923	495.5	-0.9	NO	0.999	NO	bb

**Compound name: PFPeS**

Coefficient of Determination: R<sup>2</sup> = 0.997009

Calibration curve:  $0.00155504 * x^2 + 2.11043 * x + 0.175165$

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	3.05	156.187	3425.504	0.570	0.2	-25.2	NO	0.997	NO	bb
2	2 180818M2_3	Standard	0.500	3.06	294.267	3268.840	1.125	0.5	-10.0	NO	0.997	NO	MM
3	3 180818M2_4	Standard	1.000	3.06	701.524	3351.717	2.616	1.2	15.6	NO	0.997	NO	MM
4	4 180818M2_5	Standard	2.000	3.06	1317.619	3458.118	4.763	2.2	8.5	NO	0.997	NO	bb
5	5 180818M2_6	Standard	5.000	3.06	2882.000	3280.868	10.980	5.1	2.0	NO	0.997	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: PFPeS**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180818M2_7	Standard	10.000	3.06	5438.072	3003.423	22.633	10.6	5.6	NO	0.997	NO	bb
7	7 180818M2_8	Standard	50.000	3.06	27482.553	2824.817	121.612	55.3	10.6	NO	0.997	NO	bb
8	8 180818M2_9	Standard	100.000	3.06	46876.660	2820.908	207.720	92.1	-7.9	NO	0.997	NO	bb
9	9 180818M2_10	Standard	250.000	3.06	123531.156	2450.505	630.131	251.8	0.7	NO	0.997	NO	bb
10	10 180818M2_11	Standard	500.000	3.06	192078.750	2341.784	1025.280	379.6	-24.1	NO	0.997	NO	bbX

**Compound name: PFHpA**

Correlation coefficient:  $r = 0.999647$ ,  $r^2 = 0.999294$

Calibration curve:  $1.1179 * x + 0.0128617$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	3.47	967.404	38171.957	0.317	0.3	8.8	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	3.47	1996.501	43881.137	0.569	0.5	-0.6	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	3.47	3902.777	42102.074	1.159	1.0	2.5	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	3.47	7467.800	41441.453	2.253	2.0	0.2	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	3.47	18580.955	42992.613	5.402	4.8	-3.6	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	3.47	30000.426	34422.707	10.894	9.7	-2.7	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	3.47	148614.703	35637.738	52.127	46.6	-6.8	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	3.47	325511.625	36613.141	111.132	99.4	-0.6	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	3.47	677825.938	29231.311	289.854	259.3	3.7	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	3.47	1068614.625	24133.641	553.488	495.1	-1.0	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: L-PFHxS**

Coefficient of Determination: R<sup>2</sup> = 0.997922

Calibration curve: 0.000203599 \* x<sup>2</sup> + 1.73343 \* x + -0.0243523

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	3.63	151.485	3553.420	0.533	0.3	28.6	NO	0.998	NO	MM
2	2 180818M2_3	Standard	0.500	3.63	267.969	4187.483	0.800	0.5	-4.9	NO	0.998	NO	MM
3	3 180818M2_4	Standard	1.000	3.63	541.838	3932.398	1.722	1.0	0.8	NO	0.998	NO	MM
4	4 180818M2_5	Standard	2.000	3.63	1043.601	4165.946	3.131	1.8	-9.0	NO	0.998	NO	MM
5	5 180818M2_6	Standard	5.000	3.63	2684.297	4079.768	8.224	4.8	-4.9	NO	0.998	NO	MM
6	6 180818M2_7	Standard	10.000	3.63	4318.796	3481.321	15.507	9.0	-10.5	NO	0.998	NO	MM
7	7 180818M2_8	Standard	50.000	3.63	22494.629	3379.221	83.209	47.7	-4.5	NO	0.998	NO	MM
8	8 180818M2_9	Standard	100.000	3.63	45717.910	3490.108	163.741	93.4	-6.6	NO	0.998	NO	MM
9	9 180818M2_10	Standard	250.000	3.63	101724.641	2668.053	476.586	266.6	6.6	NO	0.998	NO	MM
10	10 180818M2_11	Standard	500.000	3.63	170312.016	2352.161	905.083	493.5	-1.3	NO	0.998	NO	MM

**Compound name: 6:2 FTS**

Coefficient of Determination: R<sup>2</sup> = 0.999516

Calibration curve: -0.00268909 \* x<sup>2</sup> + 1.04265 \* x + 0.0289747

Response type: Internal Std ( Ref 43 ), 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 180818M2_2	Standard	0.250	3.94	215.317	9431.319	0.285	0.2	-1.6	NO	1.000	NO	bb
2	2 180818M2_3	Standard	0.500	3.95	419.465	10141.290	0.517	0.5	-6.3	NO	1.000	NO	bb
3	3 180818M2_4	Standard	1.000	3.94	934.008	10143.395	1.151	1.1	7.9	NO	1.000	NO	bb
4	4 180818M2_5	Standard	2.000	3.95	1896.080	10481.923	2.261	2.2	7.6	NO	1.000	NO	bb
5	5 180818M2_6	Standard	5.000	3.95	4685.175	10899.463	5.373	5.2	3.9	NO	1.000	NO	bd
6	6 180818M2_7	Standard	10.000	3.95	7500.816	9096.012	10.308	10.1	1.2	NO	1.000	NO	bb
7	7 180818M2_8	Standard	50.000	3.95	34399.855	9674.704	44.446	48.7	-2.6	NO	1.000	NO	bb
8	8 180818M2_9	Standard	100.000	3.95	70522.367	11319.962	77.874	100.9	0.9	NO	1.000	NO	bb
9	9 180818M2_10	Standard	250.000	3.95	148154.594	13611.778	136.054			NO	1.000	NO	bbXI
10	10 180818M2_11	Standard	500.000	3.95	243781.281	16687.102	182.612			NO	1.000	NO	bdXI



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: L-PFOA**

Coefficient of Determination:  $R^2 = 0.999468$

Calibration curve:  $-8.79959e-006 * x^2 + 1.00823 * x + 0.0337205$

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 180818M2_2	Standard	0.250	4.00	1384.479	55137.438	0.314	0.3	11.1	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	4.01	2735.611	65210.105	0.524	0.5	-2.7	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	4.01	5236.560	61690.871	1.061	1.0	1.9	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	4.01	10376.735	61767.570	2.100	2.0	2.5	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	4.01	24557.604	64177.371	4.783	4.7	-5.8	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	4.01	40836.488	52006.926	9.815	9.7	-3.0	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	4.01	202313.125	52737.410	47.953	47.5	-4.9	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	4.01	429793.688	54281.266	98.974	98.2	-1.8	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	4.01	913373.500	43936.016	259.859	258.3	3.3	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	4.01	1497387.750	37554.445	498.406	496.5	-0.7	NO	0.999	NO	bb

**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.999677$

Calibration curve:  $6.52795e-005 * x^2 + 0.854196 * x + -0.0385694$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	4.12	124.049	8633.845	0.180	0.3	2.2	NO	1.000	NO	bb
2	2 180818M2_3	Standard	0.500	4.12	317.887	10369.880	0.383	0.5	-1.3	NO	1.000	NO	bd
3	3 180818M2_4	Standard	1.000	4.13	657.739	9934.047	0.828	1.0	1.4	NO	1.000	NO	bb
4	4 180818M2_5	Standard	2.000	4.13	1444.079	10066.318	1.793	2.1	7.2	NO	1.000	NO	bb
5	5 180818M2_6	Standard	5.000	4.13	3351.316	10378.202	4.036	4.8	-4.6	NO	1.000	NO	bb
6	6 180818M2_7	Standard	10.000	4.13	5627.268	8346.830	8.427	9.9	-1.0	NO	1.000	NO	bb
7	7 180818M2_8	Standard	50.000	4.13	27179.934	8381.159	40.537	47.3	-5.3	NO	1.000	NO	bb
8	8 180818M2_9	Standard	100.000	4.13	57403.723	8365.459	85.775	99.7	-0.3	NO	1.000	NO	bb
9	9 180818M2_10	Standard	250.000	4.13	117787.461	6619.503	222.425	255.4	2.2	NO	1.000	NO	bb
10	10 180818M2_11	Standard	500.000	4.13	192319.672	5448.193	441.246	497.7	-0.5	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: PFNA**

Coefficient of Determination:  $R^2 = 0.998633$

Calibration curve:  $1.80742e-005 * x^2 + 1.18056 * x + -0.0313309$

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 180818M2_2	Standard	0.250	4.45	1407.033	59863.574	0.294	0.3	10.2	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	4.45	3033.410	67695.180	0.560	0.5	0.2	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	4.46	6261.305	68340.672	1.145	1.0	-0.3	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	4.46	12200.357	65656.313	2.323	2.0	-0.3	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	4.46	30204.719	65899.203	5.729	4.9	-2.4	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	4.46	49717.344	52856.008	11.758	10.0	-0.2	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	4.46	253497.734	57781.816	54.839	46.4	-7.1	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	4.46	515379.594	56983.832	113.054	95.6	-4.4	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	4.46	1095300.625	43836.965	312.322	263.5	5.4	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	4.46	1760302.000	37410.160	588.176	494.5	-1.1	NO	0.999	NO	bb

**Compound name: PFOSA**

Coefficient of Determination:  $R^2 = 0.999077$

Calibration curve:  $0.000189127 * x^2 + 1.03389 * x + -0.0115339$

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 180818M2_2	Standard	0.250	4.51	258.119	10995.329	0.293	0.3	18.0	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	4.51	508.276	12783.603	0.497	0.5	-1.6	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	4.51	1021.575	13021.618	0.981	1.0	-4.1	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	4.52	2132.589	12909.742	2.065	2.0	0.4	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	4.51	5332.720	13243.235	5.033	4.9	-2.5	NO	0.999	NO	MM
6	6 180818M2_7	Standard	10.000	4.51	8502.894	10939.443	9.716	9.4	-6.1	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	4.51	42648.820	10537.659	50.591	48.5	-3.0	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	4.51	91395.930	11397.892	100.233	95.3	-4.7	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	4.51	205798.859	9101.704	282.638	260.9	4.4	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	4.51	350301.625	7830.218	559.214	495.9	-0.8	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: L-PFOS**

Coefficient of Determination:  $R^2 = 0.999247$

Calibration curve:  $0.000319688 * x^2 + 0.920147 * x + -0.0246865$

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 180818M2_2	Standard	0.250	4.54	148.640	8633.845	0.215	0.3	4.3	NO	0.999	NO	MM
2	2 180818M2_3	Standard	0.500	4.54	364.570	10369.880	0.439	0.5	0.9	NO	0.999	NO	MM
3	3 180818M2_4	Standard	1.000	4.55	697.430	9934.047	0.878	1.0	-2.0	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	4.55	1445.762	10066.318	1.795	2.0	-1.2	NO	0.999	NO	MM
5	5 180818M2_6	Standard	5.000	4.55	3618.635	10378.202	4.358	4.8	-4.9	NO	0.999	NO	MM
6	6 180818M2_7	Standard	10.000	4.55	5915.105	8346.830	8.858	9.6	-3.8	NO	0.999	NO	MM
7	7 180818M2_8	Standard	50.000	4.55	30452.424	8381.159	45.418	48.6	-2.9	NO	0.999	NO	MM
8	8 180818M2_9	Standard	100.000	4.55	60799.625	8365.459	90.849	95.6	-4.4	NO	0.999	NO	MM
9	9 180818M2_10	Standard	250.000	4.55	137989.094	6619.503	260.573	259.8	3.9	NO	0.999	NO	MM
10	10 180818M2_11	Standard	500.000	4.55	233485.031	5448.193	535.694	496.5	-0.7	NO	0.999	NO	MM

**Compound name: PFDA**

Coefficient of Determination:  $R^2 = 0.999189$

Calibration curve:  $3.65304e-005 * x^2 + 1.24693 * x + -0.0114924$

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	4.84	1606.701	58127.895	0.346	0.3	14.5	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	4.84	3319.247	67683.633	0.613	0.5	0.2	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	4.84	6387.964	66775.727	1.196	1.0	-3.2	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	4.84	12969.352	64549.098	2.512	2.0	1.2	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	4.84	32398.484	65588.977	6.175	5.0	-0.8	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	4.84	52588.594	57213.297	11.490	9.2	-7.8	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	4.84	262833.500	54863.512	59.883	48.0	-4.1	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	4.84	533894.625	55216.570	120.864	96.7	-3.3	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	4.84	1145557.625	43763.000	327.205	260.4	4.2	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	4.84	1871033.125	37295.633	627.095	495.7	-0.9	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.999620$

Calibration curve:  $-0.00373101 * x^2 + 1.30929 * x + -0.00481343$

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 180818M2_2	Standard	0.250	4.81	195.921	7778.789	0.315	0.2	-2.3	NO	1.000	NO	bb
2	2 180818M2_3	Standard	0.500	4.81	412.965	8695.693	0.594	0.5	-8.5	NO	1.000	NO	bb
3	3 180818M2_4	Standard	1.000	4.81	939.390	8813.728	1.332	1.0	2.4	NO	1.000	NO	bb
4	4 180818M2_5	Standard	2.000	4.81	1905.598	8295.932	2.871	2.2	10.5	NO	1.000	NO	bb
5	5 180818M2_6	Standard	5.000	4.81	4534.209	8706.074	6.510	5.0	1.0	NO	1.000	NO	bb
6	6 180818M2_7	Standard	10.000	4.81	7491.750	7622.302	12.286	9.7	-3.5	NO	1.000	NO	bb
7	7 180818M2_8	Standard	50.000	4.81	36086.043	8009.803	56.315	50.2	0.4	NO	1.000	NO	bb
8	8 180818M2_9	Standard	100.000	4.81	71413.336	9541.461	93.557	99.9	-0.1	NO	1.000	NO	bb
9	9 180818M2_10	Standard	250.000	4.81	145419.688	11108.309	163.638			NO	1.000	NO	bbXI
10	10 180818M2_11	Standard	500.000	4.81	239532.609	14178.939	211.169			NO	1.000	NO	MMXI

**Compound name: PFNS**

Coefficient of Determination:  $R^2 = 0.999247$

Calibration curve:  $-1.97777e-006 * x^2 + 0.822519 * x + -0.00791944$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	4.90	163.978	8633.845	0.237	0.3	19.3	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	4.91	287.916	10369.880	0.347	0.4	-13.7	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	4.91	649.622	9934.047	0.817	1.0	0.3	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	4.91	1367.136	10066.318	1.698	2.1	3.7	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	4.91	3359.878	10378.202	4.047	4.9	-1.4	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	4.91	5273.820	8346.830	7.898	9.6	-3.9	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	4.91	26455.525	8381.159	39.457	48.0	-4.0	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	4.92	53084.125	8365.459	79.320	96.5	-3.5	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	4.92	113205.461	6619.503	213.773	260.1	4.0	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	4.91	177555.875	5448.193	407.373	495.9	-0.8	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:22 Pacific Daylight Time

**Compound name: L-MeFOSAA**

Coefficient of Determination: R<sup>2</sup> = 0.999629

Calibration curve: 7.43899e-005 \* x<sup>2</sup> + 1.21424 \* x + -0.0674876

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 180818M2_2	Standard	0.250	5.00	267.553	16529.104	0.202	0.2	-11.1	NO	1.000	NO	MM
2	2 180818M2_3	Standard	0.500	4.99	670.015	18098.533	0.463	0.4	-12.7	NO	1.000	NO	MM
3	3 180818M2_4	Standard	1.000	5.00	1643.462	17750.582	1.157	1.0	0.9	NO	1.000	NO	MM
4	4 180818M2_5	Standard	2.000	5.00	3156.333	16554.553	2.383	2.0	0.9	NO	1.000	NO	MM
5	5 180818M2_6	Standard	5.000	5.00	8542.593	17478.945	6.109	5.1	1.7	NO	1.000	NO	MM
6	6 180818M2_7	Standard	10.000	5.00	14312.285	15061.185	11.878	9.8	-1.7	NO	1.000	NO	MM
7	7 180818M2_8	Standard	50.000	5.00	71302.648	14306.636	62.299	51.2	2.4	NO	1.000	NO	MM
8	8 180818M2_9	Standard	100.000	5.00	142653.047	15261.081	116.844	95.7	-4.3	NO	1.000	NO	MM
9	9 180818M2_10	Standard	250.000	5.00	319980.250	12727.530	314.260	254.9	2.0	NO	1.000	NO	MM
10	10 180818M2_11	Standard	500.000	5.00	543670.375	10899.607	623.498	498.3	-0.3	NO	1.000	NO	MM

**Compound name: L-EtFOSAA**

Coefficient of Determination: R<sup>2</sup> = 0.999446

Calibration curve: 5.42069e-005 \* x<sup>2</sup> + 0.942918 \* x + -0.0792023

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 180818M2_2	Standard	0.250	5.16	282.673	18343.074	0.193	0.3	15.3	NO	0.999	NO	MM
2	2 180818M2_3	Standard	0.500	5.16	661.297	20424.609	0.405	0.5	2.6	NO	0.999	NO	MM
3	3 180818M2_4	Standard	1.000	5.17	1445.758	20656.152	0.875	1.0	1.2	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	5.17	2705.975	19447.291	1.739	1.9	-3.6	NO	0.999	NO	MM
5	5 180818M2_6	Standard	5.000	5.16	6848.165	20906.459	4.095	4.4	-11.5	NO	0.999	NO	MM
6	6 180818M2_7	Standard	10.000	5.16	12474.176	16866.777	9.245	9.9	-1.2	NO	0.999	NO	MM
7	7 180818M2_8	Standard	50.000	5.16	58925.141	16007.185	46.015	48.7	-2.5	NO	0.999	NO	MM
8	8 180818M2_9	Standard	100.000	5.17	114905.859	15638.135	91.847	97.0	-3.0	NO	0.999	NO	MM
9	9 180818M2_10	Standard	250.000	5.16	243159.938	12299.023	247.133	258.3	3.3	NO	0.999	NO	MM
10	10 180818M2_11	Standard	500.000	5.16	386116.406	10021.877	481.592	496.7	-0.7	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:30 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 18 Aug 2018 13:22:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

**Compound name: PFUDa**

Coefficient of Determination:  $R^2 = 0.999065$

Calibration curve:  $-4.78243e-005 * x^2 + 0.960284 * x + 0.0221714$

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	5.18	1460.390	66091.742	0.276	0.3	5.8	NO	0.999	NO	MM
2	2 180818M2_3	Standard	0.500	5.18	3001.582	74524.586	0.503	0.5	0.2	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	5.18	6192.402	78484.578	0.986	1.0	0.4	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	5.18	11417.934	70985.984	2.011	2.1	3.5	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	5.17	28671.596	73522.391	4.875	5.1	1.1	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	5.18	45061.969	63111.082	8.925	9.3	-7.2	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	5.18	220125.109	59074.332	46.578	48.6	-2.8	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	5.18	442740.906	60681.059	91.202	95.4	-4.6	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	5.18	972187.063	49082.266	247.591	261.2	4.5	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	5.18	1490154.250	40145.508	463.985	495.4	-0.9	NO	0.999	NO	MM

**Compound name: PFDS**

Coefficient of Determination:  $R^2 = 0.999417$

Calibration curve:  $4.4146e-005 * x^2 + 0.922936 * x + -0.032404$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	5.23	159.146	8633.845	0.230	0.3	13.9	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	5.23	317.179	10369.880	0.382	0.4	-10.1	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	5.23	708.136	9934.047	0.891	1.0	0.1	NO	0.999	NO	MM
4	4 180818M2_5	Standard	2.000	5.23	1490.051	10066.318	1.850	2.0	2.0	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	5.23	3810.323	10378.202	4.589	5.0	0.1	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	5.23	6087.710	8346.830	9.117	9.9	-0.9	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	5.23	29293.486	8381.159	43.689	47.3	-5.5	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	5.23	60621.570	8365.459	90.583	97.7	-2.3	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	5.23	127901.945	6619.503	241.525	258.5	3.4	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:28:30 Pacific Daylight Time

**Compound name: PFDS**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180818M2_11	Standard	500.000	5.23	204468.125	5448.193	469.119	496.5	-0.7	NO	0.999	NO	bb

**Compound name: PFDoA**

Coefficient of Determination: R<sup>2</sup> = 0.999456  
 Calibration curve:  $-7.09846e-005 * x^2 + 1.10919 * x + -0.00452959$   
 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 180818M2_2	Standard	0.250	5.47	1686.908	70010.047	0.301	0.3	10.3	NO	0.999	NO	MM
2	2 180818M2_3	Standard	0.500	5.47	3331.655	77373.563	0.538	0.5	-2.1	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	5.47	6842.675	76983.148	1.111	1.0	0.6	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	5.47	13256.827	73777.406	2.246	2.0	1.5	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	5.47	33560.453	76534.656	5.481	4.9	-1.1	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	5.47	53697.969	65452.387	10.255	9.3	-7.4	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	5.47	257042.313	58383.484	55.033	49.8	-0.4	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	5.47	505326.500	59575.656	106.026	96.2	-3.8	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	5.47	1085230.375	48172.324	281.601	258.1	3.3	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	5.47	1774482.125	41588.434	533.346	496.6	-0.7	NO	0.999	NO	bb

**Compound name: N-MeFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999843  
 Calibration curve:  $-6.96714e-005 * x^2 + 0.956469 * x + 0.187477$   
 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 180818M2_2	Standard	1.250	5.60	432.164	44773.813	1.448	1.3	5.4	NO	1.000	NO	bb
2	2 180818M2_3	Standard	2.500	5.60	895.890	51491.996	2.610	2.5	1.3	NO	1.000	NO	bb
3	3 180818M2_4	Standard	5.000	5.60	1708.047	51600.301	4.965	5.0	-0.1	NO	1.000	NO	bb
4	4 180818M2_5	Standard	10.000	5.60	3359.082	50768.145	9.925	10.2	1.9	NO	1.000	NO	bb
5	5 180818M2_6	Standard	25.000	5.60	8922.490	52514.934	25.486	26.5	6.0	NO	1.000	NO	bb
6	6 180818M2_7	Standard	50.000	5.60	14235.632	43841.633	48.706	50.9	1.8	NO	1.000	NO	bb
7	7 180818M2_8	Standard	250.000	5.60	72740.102	45911.469	237.653	252.9	1.2	NO	1.000	NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:30 Pacific Daylight Time

**Compound name: N-MeFOSA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	180818M2_9	Standard	500.000	5.60	148306.719	49512.461	449.301	486.8	-2.6	NO	1.000	NO	bb
9	180818M2_10	Standard	1250.000	5.60	330908.719	45301.340	1095.692	1261.2	0.9	NO	1.000	NO	bb
10	180818M2_11	Standard	2500.000	5.60	550442.813	42264.555	1953.562	2496.1	-0.2	NO	1.000	NO	bb

**Compound name: PFTrDA**

Coefficient of Determination: R<sup>2</sup> = 0.999328

Calibration curve: 3.73082e-005 \* x<sup>2</sup> + 1.15239 \* x + -0.0207788

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	180818M2_2	Standard	0.250	5.73	1601.522	70010.047	0.286	0.3	6.5	NO	0.999	NO	bb
2	180818M2_3	Standard	0.500	5.73	3361.040	77373.563	0.543	0.5	-2.2	NO	0.999	NO	bb
3	180818M2_4	Standard	1.000	5.73	7425.577	76983.148	1.206	1.1	6.4	NO	0.999	NO	db
4	180818M2_5	Standard	2.000	5.73	13715.206	73777.406	2.324	2.0	1.7	NO	0.999	NO	bb
5	180818M2_6	Standard	5.000	5.73	35123.156	76534.656	5.736	5.0	-0.1	NO	0.999	NO	bb
6	180818M2_7	Standard	10.000	5.73	53685.059	65452.387	10.253	8.9	-10.9	NO	0.999	NO	bb
7	180818M2_8	Standard	50.000	5.73	269264.844	58383.484	57.650	50.0	-0.1	NO	0.999	NO	bb
8	180818M2_9	Standard	100.000	5.73	528023.688	59575.656	110.788	95.9	-4.1	NO	0.999	NO	bb
9	180818M2_10	Standard	250.000	5.73	1157680.875	48172.324	300.401	258.5	3.4	NO	0.999	NO	bb
10	180818M2_11	Standard	500.000	5.73	1934685.125	41588.434	581.497	496.6	-0.7	NO	0.999	NO	bb

**Compound name: PFTeDA**

Coefficient of Determination: R<sup>2</sup> = 0.996826

Calibration curve: -0.000215569 \* x<sup>2</sup> + 1.2779 \* x + -0.0148886

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	180818M2_2	Standard	0.250	5.95	1384.525	50619.387	0.342	0.3	11.7	NO	0.997	NO	bb
2	180818M2_3	Standard	0.500	5.95	2985.539	56865.844	0.656	0.5	5.0	NO	0.997	NO	bb
3	180818M2_4	Standard	1.000	5.95	6036.139	59517.680	1.268	1.0	0.4	NO	0.997	NO	bb
4	180818M2_5	Standard	2.000	5.95	11282.568	56915.176	2.478	2.0	-2.4	NO	0.997	NO	bb
5	180818M2_6	Standard	5.000	5.95	27926.244	55854.156	6.250	4.9	-1.9	NO	0.997	NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:30 Pacific Daylight Time

**Compound name: PFTeDA**

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180818M2_7	Standard	10.000	5.95	47165.668	48188.223	12.235	9.6	-4.0	NO	0.997	NO	bb
7	7 180818M2_8	Standard	50.000	5.95	226104.250	48413.898	58.378	46.1	-7.9	NO	0.997	NO	bb
8	8 180818M2_9	Standard	100.000	5.95	450190.969	48423.512	116.212	92.4	-7.6	NO	0.997	NO	bb
9	9 180818M2_10	Standard	250.000	5.95	1009180.938	38090.109	331.182	271.6	8.6	NO	0.997	NO	bb
10	10 180818M2_11	Standard	500.000	5.95	1651667.375	35915.945	574.838	490.4	-1.9	NO	0.997	NO	bb

**Compound name: N-EtFOSA**

Coefficient of Determination: R<sup>2</sup> = 0.999793

Calibration curve:  $-4.67046e-005 * x^2 + 0.922037 * x + 0.0631164$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	1.250	6.06	464.404	58448.145	1.192	1.2	-2.1	NO	1.000	NO	MM
2	2 180818M2_3	Standard	2.500	6.06	989.070	64586.906	2.297	2.4	-3.1	NO	1.000	NO	bb
3	3 180818M2_4	Standard	5.000	6.06	2195.490	66674.164	4.939	5.3	5.8	NO	1.000	NO	bb
4	4 180818M2_5	Standard	10.000	6.06	4042.972	64937.117	9.339	10.1	0.7	NO	1.000	NO	MM
5	5 180818M2_6	Standard	25.000	6.06	10391.835	67264.133	23.174	25.1	0.4	NO	1.000	NO	bb
6	6 180818M2_7	Standard	50.000	6.06	17178.572	55709.906	46.254	50.2	0.4	NO	1.000	NO	bb
7	7 180818M2_8	Standard	250.000	6.06	85742.945	57302.891	224.447	246.4	-1.4	NO	1.000	NO	bb
8	8 180818M2_9	Standard	500.000	6.06	171677.125	58649.422	439.076	488.2	-2.4	NO	1.000	NO	bb
9	9 180818M2_10	Standard	1250.000	6.06	378531.125	51576.227	1100.888	1276.4	2.1	NO	1.000	NO	bb
10	10 180818M2_11	Standard	2500.000	6.06	614917.125	46003.680	2005.004	2488.0	-0.5	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: PFHxDA**

Coefficient of Determination: R<sup>2</sup> = 0.999740

Calibration curve: -0.000134784 \* x<sup>2</sup> + 0.66615 \* x + 0.0546142

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	6.31	1069.170	25528.365	0.209	0.2	-7.0	NO	1.000	NO	bb
2	2 180818M2_3	Standard	0.500	6.32	2134.618	27699.385	0.385	0.5	-0.7	NO	1.000	NO	bb
3	3 180818M2_4	Standard	1.000	6.32	4429.484	28805.168	0.769	1.1	7.2	NO	1.000	NO	bb
4	4 180818M2_5	Standard	2.000	6.32	8376.618	28361.713	1.477	2.1	6.8	NO	1.000	NO	bb
5	5 180818M2_6	Standard	5.000	6.32	19177.992	28547.113	3.359	5.0	-0.7	NO	1.000	NO	bb
6	6 180818M2_7	Standard	10.000	6.32	32978.973	25459.727	6.477	9.7	-3.4	NO	1.000	NO	bb
7	7 180818M2_8	Standard	50.000	6.32	155561.219	24005.527	32.401	49.0	-1.9	NO	1.000	NO	bb
8	8 180818M2_9	Standard	100.000	6.32	316492.719	24727.877	63.995	97.9	-2.1	NO	1.000	NO	bb
9	9 180818M2_10	Standard	250.000	6.32	667713.625	20652.566	161.654	255.8	2.3	NO	1.000	NO	bb
10	10 180818M2_11	Standard	500.000	6.32	1133490.500	19016.867	298.022	497.3	-0.5	NO	1.000	NO	bb

**Compound name: PFODA**

Coefficient of Determination: R<sup>2</sup> = 0.999246

Calibration curve: -0.000128997 \* x<sup>2</sup> + 0.764394 \* x + 0.0122833

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	0.250	6.57	1049.912	25528.365	0.206	0.3	1.2	NO	0.999	NO	bb
2	2 180818M2_3	Standard	0.500	6.57	2347.857	27699.385	0.424	0.5	7.7	NO	0.999	NO	bb
3	3 180818M2_4	Standard	1.000	6.57	4600.492	28805.168	0.799	1.0	2.9	NO	0.999	NO	bb
4	4 180818M2_5	Standard	2.000	6.57	8558.239	28361.713	1.509	2.0	-2.1	NO	0.999	NO	bb
5	5 180818M2_6	Standard	5.000	6.57	23484.049	28547.113	4.113	5.4	7.4	NO	0.999	NO	bb
6	6 180818M2_7	Standard	10.000	6.57	35950.766	25459.727	7.060	9.2	-7.7	NO	0.999	NO	bb
7	7 180818M2_8	Standard	50.000	6.57	178824.688	24005.527	37.247	49.1	-1.8	NO	0.999	NO	bb
8	8 180818M2_9	Standard	100.000	6.57	356280.000	24727.877	72.040	95.8	-4.2	NO	0.999	NO	bb
9	9 180818M2_10	Standard	250.000	6.57	783873.000	20652.566	189.776	259.6	3.9	NO	0.999	NO	bb
10	10 180818M2_11	Standard	500.000	6.57	1320894.125	19016.867	347.295	495.8	-0.8	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: N-MeFOSE**

Coefficient of Determination: R<sup>2</sup> = 0.999661

Calibration curve: 5.21489e-005 \* x<sup>2</sup> + 0.937354 \* x + 0.147332

Response type: Internal Std ( Ref 58 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	1.250	6.28	349.166	35733.289	1.466	1.4	12.5	NO	1.000	NO	bd
2	2 180818M2_3	Standard	2.500	6.28	593.203	40950.051	2.173	2.2	-13.6	NO	1.000	NO	MM
3	3 180818M2_4	Standard	5.000	6.28	1301.902	42570.203	4.587	4.7	-5.3	NO	1.000	NO	bb
4	4 180818M2_5	Standard	10.000	6.29	2647.369	40184.625	9.882	10.4	3.8	NO	1.000	NO	bb
5	5 180818M2_6	Standard	25.000	6.28	6968.292	43143.895	24.227	25.7	2.6	NO	1.000	NO	bb
6	6 180818M2_7	Standard	50.000	6.28	10800.368	34918.051	46.396	49.2	-1.6	NO	1.000	NO	bb
7	7 180818M2_8	Standard	250.000	6.28	59661.703	36313.754	246.443	259.0	3.6	NO	1.000	NO	bb
8	8 180818M2_9	Standard	500.000	6.29	126687.070	40383.000	470.571	488.6	-2.3	NO	1.000	NO	bb
9	9 180818M2_10	Standard	1250.000	6.29	327002.656	39049.277	1256.115	1252.6	0.2	NO	1.000	NO	bb
10	10 180818M2_11	Standard	2500.000	6.29	634777.813	35719.961	2665.643	2496.8	-0.1	NO	1.000	NO	bbX

**Compound name: N-EtFOSE**

Coefficient of Determination: R<sup>2</sup> = 0.999844

Calibration curve: 0.000111078 \* x<sup>2</sup> + 1.0899 \* x + 0.234412

Response type: Internal Std ( Ref 59 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	1.250	6.44	360.893	35642.957	1.519	1.2	-5.7	NO	1.000	NO	bb
2	2 180818M2_3	Standard	2.500	6.44	740.002	40088.063	2.769	2.3	-7.0	NO	1.000	NO	bb
3	3 180818M2_4	Standard	5.000	6.44	1633.138	41865.727	5.851	5.2	3.0	NO	1.000	NO	bb
4	4 180818M2_5	Standard	10.000	6.44	3172.614	41116.570	11.574	10.4	3.9	NO	1.000	NO	bb
5	5 180818M2_6	Standard	25.000	6.44	7952.483	41904.371	28.467	25.8	3.3	NO	1.000	NO	bb
6	6 180818M2_7	Standard	50.000	6.44	13524.389	36053.895	56.267	51.1	2.3	NO	1.000	NO	MM
7	7 180818M2_8	Standard	250.000	6.44	70120.906	36943.488	284.709	254.4	1.8	NO	1.000	NO	bb
8	8 180818M2_9	Standard	500.000	6.44	151821.750	40509.668	562.169	491.0	-1.8	NO	1.000	NO	bb
9	9 180818M2_10	Standard	1250.000	6.44	387835.875	37790.797	1539.406	1252.4	0.2	NO	1.000	NO	bb
10	10 180818M2_11	Standard	2500.000	6.44	742202.688	36181.387	3077.008	2289.0	-8.4	NO	1.000	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C3-PFBA**

Response Factor: 0.822009

RRF SD: 0.0106484, Relative SD: 1.29542

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 180818M2_2	Standard	12.500	1.07	16862.027	20677.113	10.194	12.4	-0.8	NO		NO	bb
2	2 180818M2_3	Standard	12.500	1.07	16590.260	19772.443	10.488	12.8	2.1	NO		NO	bb
3	3 180818M2_4	Standard	12.500	1.07	17001.100	20584.115	10.324	12.6	0.5	NO		NO	bb
4	4 180818M2_5	Standard	12.500	1.07	17616.727	21518.971	10.233	12.4	-0.4	NO		NO	bb
5	5 180818M2_6	Standard	12.500	1.07	16770.859	21002.646	9.981	12.1	-2.9	NO		NO	bb
6	6 180818M2_7	Standard	12.500	1.08	15416.279	18607.313	10.356	12.6	0.8	NO		NO	bb
7	7 180818M2_8	Standard	12.500	1.08	15517.040	18923.059	10.250	12.5	-0.2	NO		NO	bb
8	8 180818M2_9	Standard	12.500	1.07	16507.361	19906.555	10.366	12.6	0.9	NO		NO	bb
9	9 180818M2_10	Standard	12.500	1.07	15571.950	18987.369	10.252	12.5	-0.2	NO		NO	bb
10	10 180818M2_11	Standard	12.500	1.07	15118.513	18335.430	10.307	12.5	0.3	NO		NO	bb

**Compound name: 13C3-PFPeA**

Response Factor: 0.485943

RRF SD: 0.0331819, Relative SD: 6.82836

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 180818M2_2	Standard	12.500	2.04	31119.863	64932.156	5.991	12.3	-1.4	NO		NO	MM
2	2 180818M2_3	Standard	12.500	2.03	30241.293	59719.254	6.330	13.0	4.2	NO		NO	MM
3	3 180818M2_4	Standard	12.500	2.03	31089.707	70511.906	5.511	11.3	-9.3	NO		NO	MM
4	4 180818M2_5	Standard	12.500	2.04	32188.441	71153.563	5.655	11.6	-6.9	NO		NO	bb
5	5 180818M2_6	Standard	12.500	2.04	30398.725	60391.453	6.292	12.9	3.6	NO		NO	MM
6	6 180818M2_7	Standard	12.500	2.04	27457.793	60555.043	5.668	11.7	-6.7	NO		NO	MM
7	7 180818M2_8	Standard	12.500	2.04	27672.750	59694.457	5.795	11.9	-4.6	NO		NO	MM
8	8 180818M2_9	Standard	12.500	2.04	27978.475	52964.211	6.603	13.6	8.7	NO		NO	MM
9	9 180818M2_10	Standard	12.500	2.04	27028.801	54561.313	6.192	12.7	1.9	NO		NO	MM
10	10 180818M2_11	Standard	12.500	2.04	25174.316	46925.996	6.706	13.8	10.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C3-PFBS**

Response Factor: 0.050295

RRF SD: 0.00332956, Relative SD: 6.62005

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 180818M2_2	Standard	12.500	2.33	3425.504	64932.156	0.659	13.1	4.9	NO		NO	MM
2	2 180818M2_3	Standard	12.500	2.33	3268.840	59719.254	0.684	13.6	8.8	NO		NO	bb
3	3 180818M2_4	Standard	12.500	2.33	3351.717	70511.906	0.594	11.8	-5.5	NO		NO	MM
4	4 180818M2_5	Standard	12.500	2.34	3458.118	71153.563	0.608	12.1	-3.4	NO		NO	MM
5	5 180818M2_6	Standard	12.500	2.33	3280.868	60391.453	0.679	13.5	8.0	NO		NO	MM
6	6 180818M2_7	Standard	12.500	2.34	3003.423	60555.043	0.620	12.3	-1.4	NO		NO	MM
7	7 180818M2_8	Standard	12.500	2.34	2824.817	59694.457	0.592	11.8	-5.9	NO		NO	MM
8	8 180818M2_9	Standard	12.500	2.33	2820.908	52964.211	0.666	13.2	5.9	NO		NO	bb
9	9 180818M2_10	Standard	12.500	2.34	2450.505	54561.313	0.561	11.2	-10.7	NO		NO	MM
10	10 180818M2_11	Standard	12.500	2.34	2341.784	46925.996	0.624	12.4	-0.8	NO		NO	MM

**Compound name: 13C2-4:2 FTS**

Response Factor: 0.147599

RRF SD: 0.0129653, Relative SD: 8.78412

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 180818M2_2	Standard	12.500	2.76	9398.976	64932.156	1.809	12.3	-1.9	NO		NO	bb
2	2 180818M2_3	Standard	12.500	2.76	8641.103	59719.254	1.809	12.3	-2.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	2.76	9554.598	70511.906	1.694	11.5	-8.2	NO		NO	bb
4	4 180818M2_5	Standard	12.500	2.76	9964.151	71153.563	1.750	11.9	-5.1	NO		NO	MM
5	5 180818M2_6	Standard	12.500	2.76	8542.848	60391.453	1.768	12.0	-4.2	NO		NO	bb
6	6 180818M2_7	Standard	12.500	2.76	8634.214	60555.043	1.782	12.1	-3.4	NO		NO	MM
7	7 180818M2_8	Standard	12.500	2.76	9268.626	59694.457	1.941	13.1	5.2	NO		NO	MM
8	8 180818M2_9	Standard	12.500	2.76	9347.930	52964.211	2.206	14.9	19.6	NO		NO	bb
9	9 180818M2_10	Standard	12.500	2.76	13780.060	54561.313	3.157	21.4	71.1	NO		NO	bbX
10	10 180818M2_11	Standard	12.500	2.76	17019.105	46925.996	4.533	30.7	145.7	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C2-PFHxA**

Response Factor: 0.974477

RRF SD: 0.0302163, Relative SD: 3.10078

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 180818M2_2	Standard	5.000	2.85	24885.418	64932.156	4.791	4.9	-1.7	NO		NO	bb
2	2 180818M2_3	Standard	5.000	2.85	23492.553	59719.254	4.917	5.0	0.9	NO		NO	bb
3	3 180818M2_4	Standard	5.000	2.85	26398.832	70511.906	4.680	4.8	-4.0	NO		NO	MM
4	4 180818M2_5	Standard	5.000	2.85	27189.494	71153.563	4.777	4.9	-2.0	NO		NO	bb
5	5 180818M2_6	Standard	5.000	2.85	23211.816	60391.453	4.804	4.9	-1.4	NO		NO	bb
6	6 180818M2_7	Standard	5.000	2.85	22833.115	60555.043	4.713	4.8	-3.3	NO		NO	bb
7	7 180818M2_8	Standard	5.000	2.85	23433.619	59694.457	4.907	5.0	0.7	NO		NO	bb
8	8 180818M2_9	Standard	5.000	2.85	20898.920	52964.211	4.932	5.1	1.2	NO		NO	bb
9	9 180818M2_10	Standard	5.000	2.85	21941.959	54561.313	5.027	5.2	3.2	NO		NO	bb
10	10 180818M2_11	Standard	5.000	2.85	19429.326	46925.996	5.176	5.3	6.2	NO		NO	bb

**Compound name: 13C4-PFHpA**

Response Factor: 0.612086

RRF SD: 0.0749102, Relative SD: 12.2385

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 180818M2_2	Standard	12.500	3.47	38171.957	64932.156	7.348	12.0	-4.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	3.47	43881.137	59719.254	9.185	15.0	20.0	NO		NO	MM
3	3 180818M2_4	Standard	12.500	3.47	42102.074	70511.906	7.464	12.2	-2.4	NO		NO	bb
4	4 180818M2_5	Standard	12.500	3.47	41441.453	71153.563	7.280	11.9	-4.8	NO		NO	bb
5	5 180818M2_6	Standard	12.500	3.47	42992.613	60391.453	8.899	14.5	16.3	NO		NO	bb
6	6 180818M2_7	Standard	12.500	3.47	34422.707	60555.043	7.106	11.6	-7.1	NO		NO	bb
7	7 180818M2_8	Standard	12.500	3.47	35637.738	59694.457	7.463	12.2	-2.5	NO		NO	bb
8	8 180818M2_9	Standard	12.500	3.47	36613.141	52964.211	8.641	14.1	12.9	NO		NO	bb
9	9 180818M2_10	Standard	12.500	3.47	29231.311	54561.313	6.697	10.9	-12.5	NO		NO	bb
10	10 180818M2_11	Standard	12.500	3.47	24133.641	46925.996	6.429	10.5	-16.0	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 18O2-PFHxS**

Response Factor: 0.483279

RRF SD: 0.0179324, Relative SD: 3.71057

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 180818M2_2	Standard	12.500	3.63	3553.420	7520.662	5.906	12.2	-2.2	NO		NO	bb
2	2 180818M2_3	Standard	12.500	3.63	4187.483	8401.556	6.230	12.9	3.1	NO		NO	bb
3	3 180818M2_4	Standard	12.500	3.63	3932.398	8380.712	5.865	12.1	-2.9	NO		NO	bb
4	4 180818M2_5	Standard	12.500	3.63	4165.946	8421.528	6.183	12.8	2.4	NO		NO	bb
5	5 180818M2_6	Standard	12.500	3.63	4079.768	8854.837	5.759	11.9	-4.7	NO		NO	bb
6	6 180818M2_7	Standard	12.500	3.63	3481.321	6831.630	6.370	13.2	5.4	NO		NO	bb
7	7 180818M2_8	Standard	12.500	3.63	3379.221	7009.080	6.027	12.5	-0.2	NO		NO	bb
8	8 180818M2_9	Standard	12.500	3.63	3490.108	7382.166	5.910	12.2	-2.2	NO		NO	bb
9	9 180818M2_10	Standard	12.500	3.63	2668.053	5734.201	5.816	12.0	-3.7	NO		NO	bb
10	10 180818M2_11	Standard	12.500	3.63	2352.161	4635.053	6.343	13.1	5.0	NO		NO	bb

**Compound name: 13C2-6:2 FTS**

Response Factor: 0.142828

RRF SD: 0.0132182, Relative SD: 9.2546

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 180818M2_2	Standard	12.500	3.94	9431.319	68346.336	1.725	12.1	-3.4	NO		NO	bd
2	2 180818M2_3	Standard	12.500	3.94	10141.290	78179.555	1.621	11.4	-9.2	NO		NO	bb
3	3 180818M2_4	Standard	12.500	3.94	10143.395	77180.250	1.643	11.5	-8.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	3.95	10481.923	75186.430	1.743	12.2	-2.4	NO		NO	bb
5	5 180818M2_6	Standard	12.500	3.95	10899.463	77046.625	1.768	12.4	-1.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	3.95	9096.012	63815.621	1.782	12.5	-0.2	NO		NO	bb
7	7 180818M2_8	Standard	12.500	3.95	9674.704	65389.000	1.849	12.9	3.6	NO		NO	bb
8	8 180818M2_9	Standard	12.500	3.95	11319.962	65768.984	2.151	15.1	20.5	NO		NO	bb
9	9 180818M2_10	Standard	12.500	3.95	13611.778	53449.152	3.183	22.3	78.3	NO		NO	bdX
10	10 180818M2_11	Standard	12.500	3.95	16687.102	44476.480	4.690	32.8	162.7	NO		NO	bdX

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C2-PFOA**

Response Factor: 0.820783

RRF SD: 0.0141454, Relative SD: 1.72341

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 180818M2_2	Standard	12.500	4.00	55137.438	68346.336	10.084	12.3	-1.7	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.01	65210.105	78179.555	10.426	12.7	1.6	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.01	61690.871	77180.250	9.991	12.2	-2.6	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.01	61767.570	75186.430	10.269	12.5	0.1	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.01	64177.371	77046.625	10.412	12.7	1.5	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.01	52006.926	63815.621	10.187	12.4	-0.7	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.01	52737.410	65389.000	10.081	12.3	-1.7	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.01	54281.266	65768.984	10.317	12.6	0.6	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.01	43936.016	53449.152	10.275	12.5	0.2	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.01	37554.445	44476.480	10.555	12.9	2.9	NO		NO	bb

**Compound name: 13C5-PFNA**

Response Factor: 0.97294

RRF SD: 0.0269307, Relative SD: 2.76797

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 180818M2_2	Standard	12.500	4.45	59863.574	60236.574	12.423	12.8	2.1	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.45	67695.180	69971.438	12.093	12.4	-0.6	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.46	68340.672	68446.469	12.481	12.8	2.6	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.46	65656.313	69046.750	11.886	12.2	-2.3	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.46	65899.203	69602.227	11.835	12.2	-2.7	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.46	52856.008	57365.023	11.517	11.8	-5.3	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.46	57781.816	57463.102	12.569	12.9	3.4	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.46	56983.832	58368.438	12.203	12.5	0.3	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.46	43836.965	45043.316	12.165	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.46	37410.160	37577.844	12.444	12.8	2.3	NO		NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C8-PFOSA**

Response Factor: 0.175632

RRF SD: 0.0138859, Relative SD: 7.90627

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.51	10995.329	68719.063	2.000	11.4	-8.9	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.51	12783.603	73581.734	2.172	12.4	-1.1	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.51	13021.618	78171.188	2.082	11.9	-5.2	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.51	12909.742	77203.648	2.090	11.9	-4.8	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.51	13243.235	79956.359	2.070	11.8	-5.7	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.51	10939.443	64108.160	2.133	12.1	-2.8	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.51	10537.659	62536.273	2.106	12.0	-4.1	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.51	11397.892	60626.645	2.350	13.4	7.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.51	9101.704	46332.266	2.456	14.0	11.8	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.51	7830.218	39236.113	2.495	14.2	13.6	NO		NO	MM

**Compound name: 13C8-PFOS**

Response Factor: 1.05202

RRF SD: 0.0238088, Relative SD: 2.26314

Response type: Internal Std ( Ref 65 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.54	8633.845	8226.517	13.119	12.5	-0.2	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.54	10369.880	9467.807	13.691	13.0	4.1	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.54	9934.047	9296.621	13.357	12.7	1.6	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.55	10066.318	9678.090	13.001	12.4	-1.1	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.54	10378.202	9664.661	13.423	12.8	2.1	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.54	8346.830	8129.179	12.835	12.2	-2.4	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.54	8381.159	7887.626	13.282	12.6	1.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.55	8365.459	8123.365	12.873	12.2	-2.1	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.55	6619.503	6495.429	12.739	12.1	-3.1	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.55	5448.193	5165.695	13.184	12.5	0.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C2-PFDA**

Response Factor: 0.957327

RRF SD: 0.0369467, Relative SD: 3.85936

Response type: Internal Std ( Ref 66 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.84	58127.895	61335.047	11.846	12.4	-1.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.84	67683.633	70602.953	11.983	12.5	0.1	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.84	66775.727	65152.938	12.811	13.4	7.1	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.84	64549.098	71362.758	11.307	11.8	-5.5	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.84	65588.977	71196.141	11.516	12.0	-3.8	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.84	57213.297	59303.586	12.059	12.6	0.8	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.84	54863.512	57831.332	11.859	12.4	-0.9	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.84	55216.570	55064.656	12.534	13.1	4.7	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.84	43763.000	47301.477	11.565	12.1	-3.4	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.84	37295.633	38257.684	12.186	12.7	1.8	NO		NO	bb

**Compound name: 13C2-8:2 FTS**

Response Factor: 0.118698

RRF SD: 0.0114208, Relative SD: 9.62171

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 180818M2_2	Standard	12.500	4.81	7778.789	68346.336	1.423	12.0	-4.1	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.81	8695.693	78179.555	1.390	11.7	-6.3	NO		NO	MM
3	3 180818M2_4	Standard	12.500	4.81	8813.728	77180.250	1.427	12.0	-3.8	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.81	8295.932	75186.430	1.379	11.6	-7.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.81	8706.074	77046.625	1.412	11.9	-4.8	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.81	7622.302	63815.621	1.493	12.6	0.6	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.81	8009.803	65389.000	1.531	12.9	3.2	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.81	9541.461	65768.984	1.813	15.3	22.2	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.81	11108.309	53449.152	2.598	21.9	75.1	NO		NO	MMX
10	10 180818M2_11	Standard	12.500	4.81	14178.939	44476.480	3.985	33.6	168.6	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: d3-N-MeFOSAA**

Response Factor: 0.241453

RRF SD: 0.0216418, Relative SD: 8.96315

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180818M2_2	Standard	12.500	4.99	16529.104	68719.063	3.007	12.5	-0.4	NO		NO	bb
2	180818M2_3	Standard	12.500	4.99	18098.533	73581.734	3.075	12.7	1.9	NO		NO	bb
3	180818M2_4	Standard	12.500	4.99	17750.582	78171.188	2.838	11.8	-6.0	NO		NO	bb
4	180818M2_5	Standard	12.500	5.00	16554.553	77203.648	2.680	11.1	-11.2	NO		NO	bb
5	180818M2_6	Standard	12.500	5.00	17478.945	79956.359	2.733	11.3	-9.5	NO		NO	bb
6	180818M2_7	Standard	12.500	4.99	15061.185	64108.160	2.937	12.2	-2.7	NO		NO	bb
7	180818M2_8	Standard	12.500	5.00	14306.636	62536.273	2.860	11.8	-5.3	NO		NO	bb
8	180818M2_9	Standard	12.500	5.00	15261.081	60626.645	3.147	13.0	4.3	NO		NO	bb
9	180818M2_10	Standard	12.500	5.00	12727.530	46332.266	3.434	14.2	13.8	NO		NO	bb
10	180818M2_11	Standard	12.500	5.00	10899.607	39236.113	3.472	14.4	15.1	NO		NO	bb

**Compound name: 13C2-PFUdA**

Response Factor: 0.98301

RRF SD: 0.0460484, Relative SD: 4.68443

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180818M2_2	Standard	12.500	5.18	66091.742	68719.063	12.022	12.2	-2.2	NO		NO	bb
2	180818M2_3	Standard	12.500	5.18	74524.586	73581.734	12.660	12.9	3.0	NO		NO	bb
3	180818M2_4	Standard	12.500	5.18	78484.578	78171.188	12.550	12.8	2.1	NO		NO	bb
4	180818M2_5	Standard	12.500	5.18	70985.984	77203.648	11.493	11.7	-6.5	NO		NO	bb
5	180818M2_6	Standard	12.500	5.18	73522.391	79956.359	11.494	11.7	-6.5	NO		NO	bb
6	180818M2_7	Standard	12.500	5.18	63111.082	64108.160	12.306	12.5	0.1	NO		NO	bb
7	180818M2_8	Standard	12.500	5.18	59074.332	62536.273	11.808	12.0	-3.9	NO		NO	bb
8	180818M2_9	Standard	12.500	5.18	60681.059	60626.645	12.511	12.7	1.8	NO		NO	bb
9	180818M2_10	Standard	12.500	5.18	49082.266	46332.266	13.242	13.5	7.8	NO		NO	bb
10	180818M2_11	Standard	12.500	5.18	40145.508	39236.113	12.790	13.0	4.1	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: d5-N-EtFOSAA**

Response Factor: 0.262

RRF SD: 0.00733008, Relative SD: 2.79774

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	5.16	18343.074	68719.063	3.337	12.7	1.9	NO		NO	bb
2	2 180818M2_3	Standard	12.500	5.16	20424.609	73581.734	3.470	13.2	5.9	NO		NO	bb
3	3 180818M2_4	Standard	12.500	5.16	20656.152	78171.188	3.303	12.6	0.9	NO		NO	bb
4	4 180818M2_5	Standard	12.500	5.16	19447.291	77203.648	3.149	12.0	-3.9	NO		NO	bb
5	5 180818M2_6	Standard	12.500	5.16	20906.459	79956.359	3.268	12.5	-0.2	NO		NO	bb
6	6 180818M2_7	Standard	12.500	5.16	16866.777	64108.160	3.289	12.6	0.4	NO		NO	bb
7	7 180818M2_8	Standard	12.500	5.16	16007.185	62536.273	3.200	12.2	-2.3	NO		NO	bd
8	8 180818M2_9	Standard	12.500	5.16	15638.135	60626.645	3.224	12.3	-1.5	NO		NO	bb
9	9 180818M2_10	Standard	12.500	5.16	12299.023	46332.266	3.318	12.7	1.3	NO		NO	bb
10	10 180818M2_11	Standard	12.500	5.16	10021.877	39236.113	3.193	12.2	-2.5	NO		NO	bb

**Compound name: 13C2-PFDoA**

Response Factor: 1.08284

RRF SD: 0.0535329, Relative SD: 4.94377

Response type: Internal Std ( Ref 66 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	5.47	70010.047	61335.047	14.268	13.2	5.4	NO		NO	bb
2	2 180818M2_3	Standard	12.500	5.47	77373.563	70602.953	13.699	12.7	1.2	NO		NO	bb
3	3 180818M2_4	Standard	12.500	5.47	76983.148	65152.938	14.770	13.6	9.1	NO		NO	bb
4	4 180818M2_5	Standard	12.500	5.47	73777.406	71362.758	12.923	11.9	-4.5	NO		NO	bb
5	5 180818M2_6	Standard	12.500	5.47	76534.656	71196.141	13.437	12.4	-0.7	NO		NO	bb
6	6 180818M2_7	Standard	12.500	5.47	65452.387	59303.586	13.796	12.7	1.9	NO		NO	bb
7	7 180818M2_8	Standard	12.500	5.47	58383.484	57831.332	12.619	11.7	-6.8	NO		NO	bb
8	8 180818M2_9	Standard	12.500	5.47	59575.656	55064.656	13.524	12.5	-0.1	NO		NO	bb
9	9 180818M2_10	Standard	12.500	5.47	48172.324	47301.477	12.730	11.8	-5.9	NO		NO	bb
10	10 180818M2_11	Standard	12.500	5.47	41588.434	38257.684	13.588	12.5	0.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: d3-N-MeFOSA**

Response Factor: 0.0634621

RRF SD: 0.0125518, Relative SD: 19.7784

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	150.000	5.63	44773.813	68719.063	8.144	128.3	-14.4	NO		NO	bb
2	2 180818M2_3	Standard	150.000	5.63	51491.996	73581.734	8.747	137.8	-8.1	NO		NO	bb
3	3 180818M2_4	Standard	150.000	5.63	51600.301	78171.188	8.251	130.0	-13.3	NO		NO	bb
4	4 180818M2_5	Standard	150.000	5.63	50768.145	77203.648	8.220	129.5	-13.7	NO		NO	bb
5	5 180818M2_6	Standard	150.000	5.63	52514.934	79956.359	8.210	129.4	-13.8	NO		NO	bb
6	6 180818M2_7	Standard	150.000	5.63	43841.633	64108.160	8.548	134.7	-10.2	NO		NO	bb
7	7 180818M2_8	Standard	150.000	5.63	45911.469	62536.273	9.177	144.6	-3.6	NO		NO	bb
8	8 180818M2_9	Standard	150.000	5.63	49512.461	60626.645	10.208	160.9	7.2	NO		NO	bb
9	9 180818M2_10	Standard	150.000	5.63	45301.340	46332.266	12.222	192.6	28.4	NO		NO	bb
10	10 180818M2_11	Standard	150.000	5.63	42264.555	39236.113	13.465	212.2	41.4	NO		NO	bb

**Compound name: 13C2-PFTeDA**

Response Factor: 0.776863

RRF SD: 0.0595667, Relative SD: 7.6676

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	5.95	50619.387	68719.063	9.208	11.9	-5.2	NO		NO	bb
2	2 180818M2_3	Standard	12.500	5.95	56865.844	73581.734	9.660	12.4	-0.5	NO		NO	bb
3	3 180818M2_4	Standard	12.500	5.95	59517.680	78171.188	9.517	12.3	-2.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	5.95	56915.176	77203.648	9.215	11.9	-5.1	NO		NO	bb
5	5 180818M2_6	Standard	12.500	5.95	55854.156	79956.359	8.732	11.2	-10.1	NO		NO	bb
6	6 180818M2_7	Standard	12.500	5.95	48188.223	64108.160	9.396	12.1	-3.2	NO		NO	bb
7	7 180818M2_8	Standard	12.500	5.95	48413.898	62536.273	9.677	12.5	-0.3	NO		NO	bb
8	8 180818M2_9	Standard	12.500	5.95	48423.512	60626.645	9.984	12.9	2.8	NO		NO	bb
9	9 180818M2_10	Standard	12.500	5.95	38090.109	46332.266	10.276	13.2	5.8	NO		NO	bb
10	10 180818M2_11	Standard	12.500	5.95	35915.945	39236.113	11.442	14.7	17.8	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: d5-N-ETFOSA**

Response Factor: 0.0775163

RRF SD: 0.00995433, Relative SD: 12.8416

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	150.000	6.08	58448.145	68719.063	10.632	137.2	-8.6	NO		NO	bb
2	2 180818M2_3	Standard	150.000	6.08	64586.906	73581.734	10.972	141.5	-5.6	NO		NO	bb
3	3 180818M2_4	Standard	150.000	6.08	66674.164	78171.188	10.662	137.5	-8.3	NO		NO	bb
4	4 180818M2_5	Standard	150.000	6.08	64937.117	77203.648	10.514	135.6	-9.6	NO		NO	bb
5	5 180818M2_6	Standard	150.000	6.08	67264.133	79956.359	10.516	135.7	-9.6	NO		NO	bb
6	6 180818M2_7	Standard	150.000	6.08	55709.906	64108.160	10.862	140.1	-6.6	NO		NO	bb
7	7 180818M2_8	Standard	150.000	6.08	57302.891	62536.273	11.454	147.8	-1.5	NO		NO	bb
8	8 180818M2_9	Standard	150.000	6.08	58649.422	60626.645	12.092	156.0	4.0	NO		NO	bb
9	9 180818M2_10	Standard	150.000	6.08	51576.227	46332.266	13.915	179.5	19.7	NO		NO	bb
10	10 180818M2_11	Standard	150.000	6.08	46003.680	39236.113	14.656	189.1	26.0	NO		NO	bb

**Compound name: 13C2-PFHxDA**

Response Factor: 0.990029

RRF SD: 0.10106, Relative SD: 10.2077

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	5.000	6.31	25528.365	68719.063	4.644	4.7	-6.2	NO		NO	bb
2	2 180818M2_3	Standard	5.000	6.32	27699.385	73581.734	4.706	4.8	-4.9	NO		NO	bb
3	3 180818M2_4	Standard	5.000	6.32	28805.168	78171.188	4.606	4.7	-7.0	NO		NO	bb
4	4 180818M2_5	Standard	5.000	6.32	28361.713	77203.648	4.592	4.6	-7.2	NO		NO	bb
5	5 180818M2_6	Standard	5.000	6.32	28547.113	79956.359	4.463	4.5	-9.8	NO		NO	bb
6	6 180818M2_7	Standard	5.000	6.32	25459.727	64108.160	4.964	5.0	0.3	NO		NO	bb
7	7 180818M2_8	Standard	5.000	6.32	24005.527	62536.273	4.798	4.8	-3.1	NO		NO	bb
8	8 180818M2_9	Standard	5.000	6.32	24727.877	60626.645	5.098	5.1	3.0	NO		NO	bb
9	9 180818M2_10	Standard	5.000	6.32	20652.566	46332.266	5.572	5.6	12.6	NO		NO	bb
10	10 180818M2_11	Standard	5.000	6.32	19016.867	39236.113	6.058	6.1	22.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: d7-N-MeFOSE**

Response Factor: 0.0492171

RRF SD: 0.00870509, Relative SD: 17.6871

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	150.000	6.28	35733.289	68719.063	6.500	132.1	-12.0	NO		NO	MM
2	2 180818M2_3	Standard	150.000	6.27	40950.051	73581.734	6.957	141.3	-5.8	NO		NO	MM
3	3 180818M2_4	Standard	150.000	6.27	42570.203	78171.188	6.807	138.3	-7.8	NO		NO	bb
4	4 180818M2_5	Standard	150.000	6.27	40184.625	77203.648	6.506	132.2	-11.9	NO		NO	bb
5	5 180818M2_6	Standard	150.000	6.27	43143.895	79956.359	6.745	137.0	-8.6	NO		NO	MM
6	6 180818M2_7	Standard	150.000	6.27	34918.051	64108.160	6.808	138.3	-7.8	NO		NO	bb
7	7 180818M2_8	Standard	150.000	6.27	36313.754	62536.273	7.259	147.5	-1.7	NO		NO	bb
8	8 180818M2_9	Standard	150.000	6.27	40383.000	60626.645	8.326	169.2	12.8	NO		NO	bb
9	9 180818M2_10	Standard	150.000	6.27	39049.277	46332.266	10.535	214.1	42.7	NO		NO	bb
10	10 180818M2_11	Standard	150.000	6.27	35719.961	39236.113	11.380	231.2	54.1	NO		NO	bbX

**Compound name: d9-N-EtFOSE**

Response Factor: 0.0490064

RRF SD: 0.0080952, Relative SD: 16.5187

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	150.000	6.43	35642.957	68719.063	6.483	132.3	-11.8	NO		NO	bb
2	2 180818M2_3	Standard	150.000	6.43	40088.063	73581.734	6.810	139.0	-7.4	NO		NO	bb
3	3 180818M2_4	Standard	150.000	6.43	41865.727	78171.188	6.695	136.6	-8.9	NO		NO	bb
4	4 180818M2_5	Standard	150.000	6.43	41116.570	77203.648	6.657	135.8	-9.4	NO		NO	bb
5	5 180818M2_6	Standard	150.000	6.43	41904.371	79956.359	6.551	133.7	-10.9	NO		NO	bb
6	6 180818M2_7	Standard	150.000	6.43	36053.895	64108.160	7.030	143.4	-4.4	NO		NO	bb
7	7 180818M2_8	Standard	150.000	6.43	36943.488	62536.273	7.384	150.7	0.5	NO		NO	bb
8	8 180818M2_9	Standard	150.000	6.43	40509.668	60626.645	8.352	170.4	13.6	NO		NO	bb
9	9 180818M2_10	Standard	150.000	6.43	37790.797	46332.266	10.196	208.0	38.7	NO		NO	bb
10	10 180818M2_11	Standard	150.000	6.43	36181.387	39236.113	11.527	235.2	56.8	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C4-PFBA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 60 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180818M2_2	Standard	12.500	1.07	20677.113	20677.113	12.500	12.5	0.0	NO		NO	bb
2	180818M2_3	Standard	12.500	1.07	19772.443	19772.443	12.500	12.5	0.0	NO		NO	bb
3	180818M2_4	Standard	12.500	1.07	20584.115	20584.115	12.500	12.5	0.0	NO		NO	bb
4	180818M2_5	Standard	12.500	1.07	21518.971	21518.971	12.500	12.5	0.0	NO		NO	bb
5	180818M2_6	Standard	12.500	1.07	21002.646	21002.646	12.500	12.5	0.0	NO		NO	bb
6	180818M2_7	Standard	12.500	1.07	18607.313	18607.313	12.500	12.5	0.0	NO		NO	bb
7	180818M2_8	Standard	12.500	1.07	18923.059	18923.059	12.500	12.5	0.0	NO		NO	bb
8	180818M2_9	Standard	12.500	1.07	19906.555	19906.555	12.500	12.5	0.0	NO		NO	bb
9	180818M2_10	Standard	12.500	1.07	18987.369	18987.369	12.500	12.5	0.0	NO		NO	bb
10	180818M2_11	Standard	12.500	1.07	18335.430	18335.430	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C5-PFHxA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 61 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180818M2_2	Standard	12.500	2.85	64932.156	64932.156	12.500	12.5	0.0	NO		NO	bb
2	180818M2_3	Standard	12.500	2.85	59719.254	59719.254	12.500	12.5	0.0	NO		NO	bb
3	180818M2_4	Standard	12.500	2.85	70511.906	70511.906	12.500	12.5	0.0	NO		NO	bb
4	180818M2_5	Standard	12.500	2.85	71153.563	71153.563	12.500	12.5	0.0	NO		NO	bb
5	180818M2_6	Standard	12.500	2.85	60391.453	60391.453	12.500	12.5	0.0	NO		NO	bb
6	180818M2_7	Standard	12.500	2.85	60555.043	60555.043	12.500	12.5	0.0	NO		NO	bb
7	180818M2_8	Standard	12.500	2.85	59694.457	59694.457	12.500	12.5	0.0	NO		NO	MM
8	180818M2_9	Standard	12.500	2.85	52964.211	52964.211	12.500	12.5	0.0	NO		NO	MM
9	180818M2_10	Standard	12.500	2.85	54561.313	54561.313	12.500	12.5	0.0	NO		NO	bb
10	180818M2_11	Standard	12.500	2.85	46925.996	46925.996	12.500	12.5	0.0	NO		NO	bb



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time  
 Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C3-PFHxS**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	3.63	7520.662	7520.662	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	3.63	8401.556	8401.556	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	3.63	8380.712	8380.712	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	3.63	8421.528	8421.528	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	3.63	8854.837	8854.837	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	3.63	6831.630	6831.630	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	3.63	7009.080	7009.080	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	3.63	7382.166	7382.166	12.500	12.5	0.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	3.63	5734.201	5734.201	12.500	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	3.63	4635.053	4635.053	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C8-PFOA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.00	68346.336	68346.336	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.00	78179.555	78179.555	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.01	77180.250	77180.250	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.01	75186.430	75186.430	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.01	77046.625	77046.625	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.01	63815.621	63815.621	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.01	65389.000	65389.000	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.01	65768.984	65768.984	12.500	12.5	0.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.01	53449.152	53449.152	12.500	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.01	44476.480	44476.480	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-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 180818M2_2	Standard	12.500	4.45	60236.574	60236.574	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.45	69971.438	69971.438	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.46	68446.469	68446.469	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.46	69046.750	69046.750	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.46	69602.227	69602.227	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.46	57365.023	57365.023	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.46	57463.102	57463.102	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.46	58368.438	58368.438	12.500	12.5	0.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.46	45043.316	45043.316	12.500	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.46	37577.844	37577.844	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C4-PFOS**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 65 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.54	8226.517	8226.517	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.54	9467.807	9467.807	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.54	9296.621	9296.621	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.55	9678.090	9678.090	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.54	9664.661	9664.661	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.55	8129.179	8129.179	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.55	7887.626	7887.626	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.55	8123.365	8123.365	12.500	12.5	0.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.55	6495.429	6495.429	12.500	12.5	0.0	NO		NO	bd
10	10 180818M2_11	Standard	12.500	4.55	5165.695	5165.695	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:13 Pacific Daylight Time

**Compound name: 13C6-PFDA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 66 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	4.84	61335.047	61335.047	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	4.84	70602.953	70602.953	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	4.84	65152.938	65152.938	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	4.84	71362.758	71362.758	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	4.84	71196.141	71196.141	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	4.84	59303.586	59303.586	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	4.84	57831.332	57831.332	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	4.84	55064.656	55064.656	12.500	12.5	0.0	NO		NO	bb
9	9 180818M2_10	Standard	12.500	4.84	47301.477	47301.477	12.500	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	4.84	38257.684	38257.684	12.500	12.5	0.0	NO		NO	bb

**Compound name: 13C7-PFUdA**

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

Response type: Internal Std ( Ref 67 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180818M2_2	Standard	12.500	5.18	68719.063	68719.063	12.500	12.5	0.0	NO		NO	bb
2	2 180818M2_3	Standard	12.500	5.18	73581.734	73581.734	12.500	12.5	0.0	NO		NO	bb
3	3 180818M2_4	Standard	12.500	5.18	78171.188	78171.188	12.500	12.5	0.0	NO		NO	bb
4	4 180818M2_5	Standard	12.500	5.18	77203.648	77203.648	12.500	12.5	0.0	NO		NO	bb
5	5 180818M2_6	Standard	12.500	5.18	79956.359	79956.359	12.500	12.5	0.0	NO		NO	bb
6	6 180818M2_7	Standard	12.500	5.18	64108.160	64108.160	12.500	12.5	0.0	NO		NO	bb
7	7 180818M2_8	Standard	12.500	5.18	62536.273	62536.273	12.500	12.5	0.0	NO		NO	bb
8	8 180818M2_9	Standard	12.500	5.18	60626.645	60626.645	12.500	12.5	0.0	NO		NO	bd
9	9 180818M2_10	Standard	12.500	5.18	46332.266	46332.266	12.500	12.5	0.0	NO		NO	bb
10	10 180818M2_11	Standard	12.500	5.18	39236.113	39236.113	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:31:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 18 Aug 2018 13:22:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

	# Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9987	NO	
2	2 PFPeA	37	0.9992	NO	
3	3 PFBS	38	0.9975	NO	
4	4 4:2 FTS	39	0.9990	NO	
5	5 PFHxA	40	0.9990	NO	
6	6 PFPeS	38	0.9970	NO	
7	7 PFHpA	41	0.9993	NO	
8	8 L-PFHxS	42	0.9979	NO	
9	10 6:2 FTS	43	0.9995	NO	
10	11 L-PFOA	44	0.9995	NO	
11	13 PFHpS	47	0.9997	NO	
12	14 PFNA	45	0.9986	NO	
13	15 PFOSA	46	0.9991	NO	
14	16 L-PFOS	47	0.9992	NO	
15	18 PFDA	48	0.9992	NO	
16	19 8:2 FTS	49	0.9996	NO	
17	20 PFNS	47	0.9992	NO	
18	21 L-MeFOSAA	50	0.9996	NO	
19	23 L-EtFOSAA	52	0.9994	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:47 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	51	0.9991	NO	
2	26 PFDS	47	0.9994	NO	
3	27 PFDoA	53	0.9995	NO	
4	28 N-MeFOSA	54	0.9998	NO	
5	29 PFTrDA	53	0.9993	NO	
6	30 PFTeDA	55	0.9968	NO	
7	31 N-EtFOSA	56	0.9998	NO	
8	32 PFHxDA	57	0.9997	NO	
9	33 PFOA	57	0.9992	NO	
10	34 N-MeFOSE	58	0.9997	NO	
11	35 N-EtFOSE	59	0.9998	NO	
12	36 13C3-PFBA	60		NO	1.295
13	37 13C3-PFPeA	61		NO	6.828
14	38 13C3-PFBS	61		NO	6.620
15	39 13C2-4:2 FTS	61		NO	8.784
16	40 13C2-PFHxA	61		NO	3.101
17	41 13C4-PFHpA	61		NO	12.239
18	42 18O2-PFHxS	62		NO	3.711
19	43 13C2-6:2 FTS	63		NO	9.255
20	44 13C2-PFOA	63		NO	1.723
21	45 13C5-PFNA	64		NO	2.768
22	46 13C8-PFOSA	67		NO	7.906
23	47 13C8-PFOS	65		NO	2.263
24	48 13C2-PFDA	66		NO	3.859
25	49 13C2-8:2 FTS	63		NO	9.622
26	50 d3-N-MeFOSAA	67		NO	8.963
27	51 13C2-PFUdA	67		NO	4.684
28	52 d5-N-EtFOSAA	67		NO	2.798
29	53 13C2-PFDoA	66		NO	4.944
30	54 d3-N-MeFOSA	67		NO	19.778
31	55 13C2-PFTeDA	67		NO	7.668

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:47 Pacific Daylight Time

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

	# Name	IS#	CoD	CoD Flag	%RSD
32	56 d5-N-ETFOSA	67		NO	12.842
33	57 13C2-PFHxDA	67		NO	10.208
34	58 d7-N-MeFOSE	67		NO	17.687
35	59 d9-N-EtFOSE	67		NO	16.519
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUDa	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:00:59 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.824	NO
4	4:2 FTS	1.519	NO
5	PFHxA	15.306	NO
6	PFPeS	1.709	NO
7	PFHpA	20.977	NO
8	L-PFHxS	1.574	NO
9	6:2 FTS	2.710	NO
10	L-PFOA	2.691	NO
11	PFHpS	1.811	NO
12	PFNA	5.003	NO
13	PFOSA	27.943	NO
14	L-PFOS	1.768	NO
15	PFDA	6.273	NO
16	8:2 FTS	2.188	NO
17	PFNS	1.569	NO
18	L-MeFOSAA	2.760	NO
19	L-EtFOSAA	1.538	NO

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:01:04 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

	Name	Ion Ratio	Ratio out?
1	PFUdA	12.173	NO
2	PFDS	1.640	NO
3	PFDoA	8.230	NO
4	N-MeFOSA	1.374	NO
5	PFTTrDA	30.537	NO
6	PFTeDA	11.898	NO
7	N-EtFOSA	1.480	NO
8	PFHxDA	37.577	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		



Dataset: Untitled

Last Altered: Sunday, August 19, 2018 12:05:50 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:06:57 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180818M2_1	IPA	18-Aug-18	15:03:29
2	2 180818M2_2	ST180818M2-1 PFC CS-2 18H0901	18-Aug-18	15:14:28
3	3 180818M2_3	ST180818M2-2 PFC CS-1 18H0902	18-Aug-18	15:25:13
4	4 180818M2_4	ST180818M2-3 PFC CS0 18H0903	18-Aug-18	15:35:53
5	5 180818M2_5	ST180818M2-4 PFC CS1 18H0904	18-Aug-18	15:46:40
6	6 180818M2_6	ST180818M2-5 PFC CS2 18H0905	18-Aug-18	15:57:21
7	7 180818M2_7	ST180818M2-6 PFC CS3 18H0906	18-Aug-18	16:08:07
8	8 180818M2_8	ST180818M2-7 PFC CS4 18H0907	18-Aug-18	16:18:53
9	9 180818M2_9	ST180818M2-8 PFC CS5 18H0908	18-Aug-18	16:29:34
10	10 180818M2_10	ST180818M2-9 PFC CS6 18H0909	18-Aug-18	16:40:21
11	11 180818M2_11	ST180818M2-10 PFC CS7 18H0910	18-Aug-18	16:51:02
12	12 180818M2_12	IPA	18-Aug-18	17:01:48
13	13 180818M2_13	ICV180818M2-1 PFC 537 ICV 18H0911	18-Aug-18	17:12:30

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

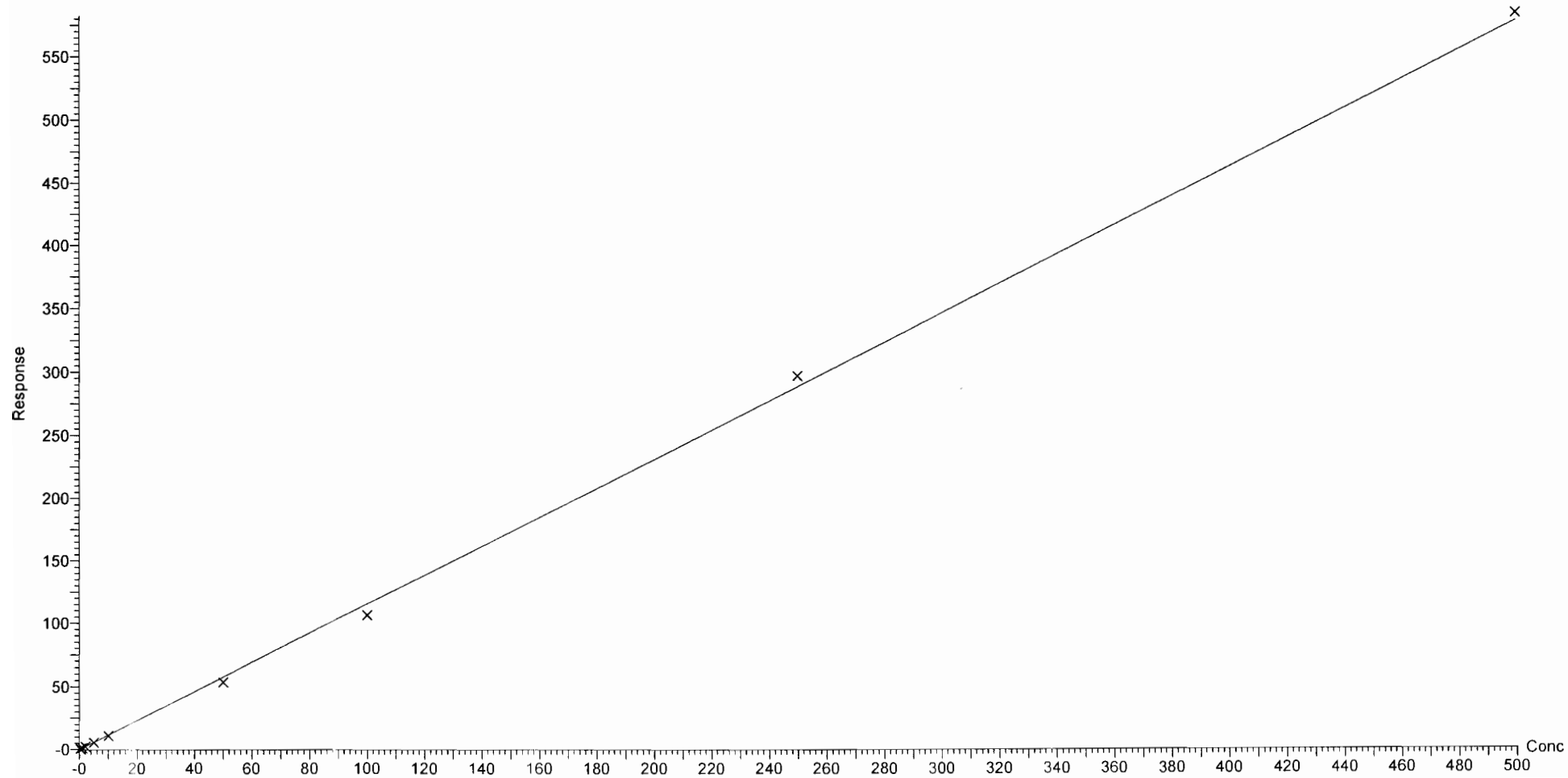
Compound name: PFBA

Correlation coefficient:  $r = 0.999330$ ,  $r^2 = 0.998661$

Calibration curve:  $1.15285 * x + -0.0303052$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

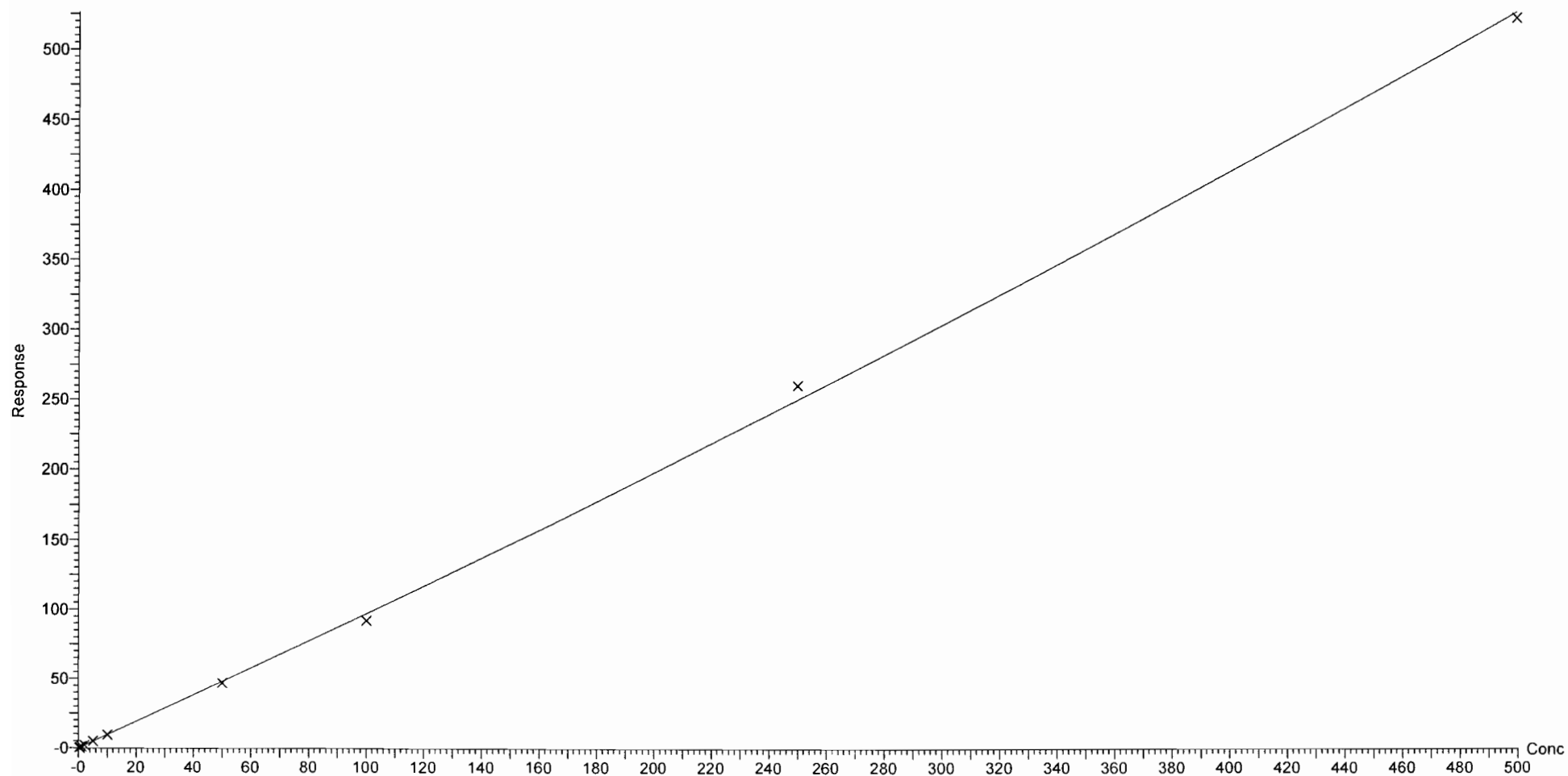
Compound name: PFPeA

Coefficient of Determination:  $R^2 = 0.999227$

Calibration curve:  $0.000205882 * x^2 + 0.949168 * x - 0.0231284$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

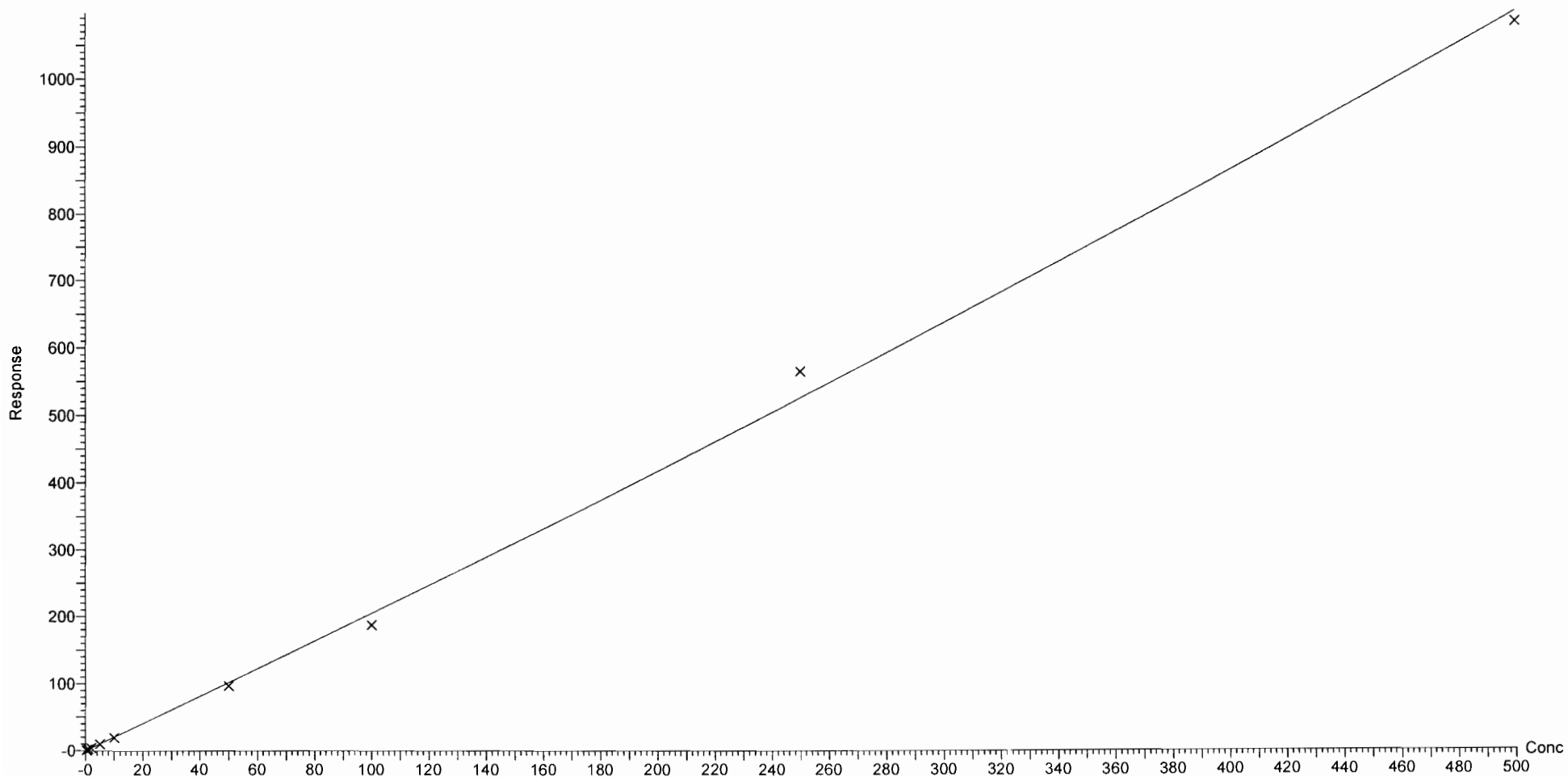
Compound name: PFBS

Coefficient of Determination:  $R^2 = 0.997535$

Calibration curve:  $0.000367652 * x^2 + 2.00967 * x + -0.144232$

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

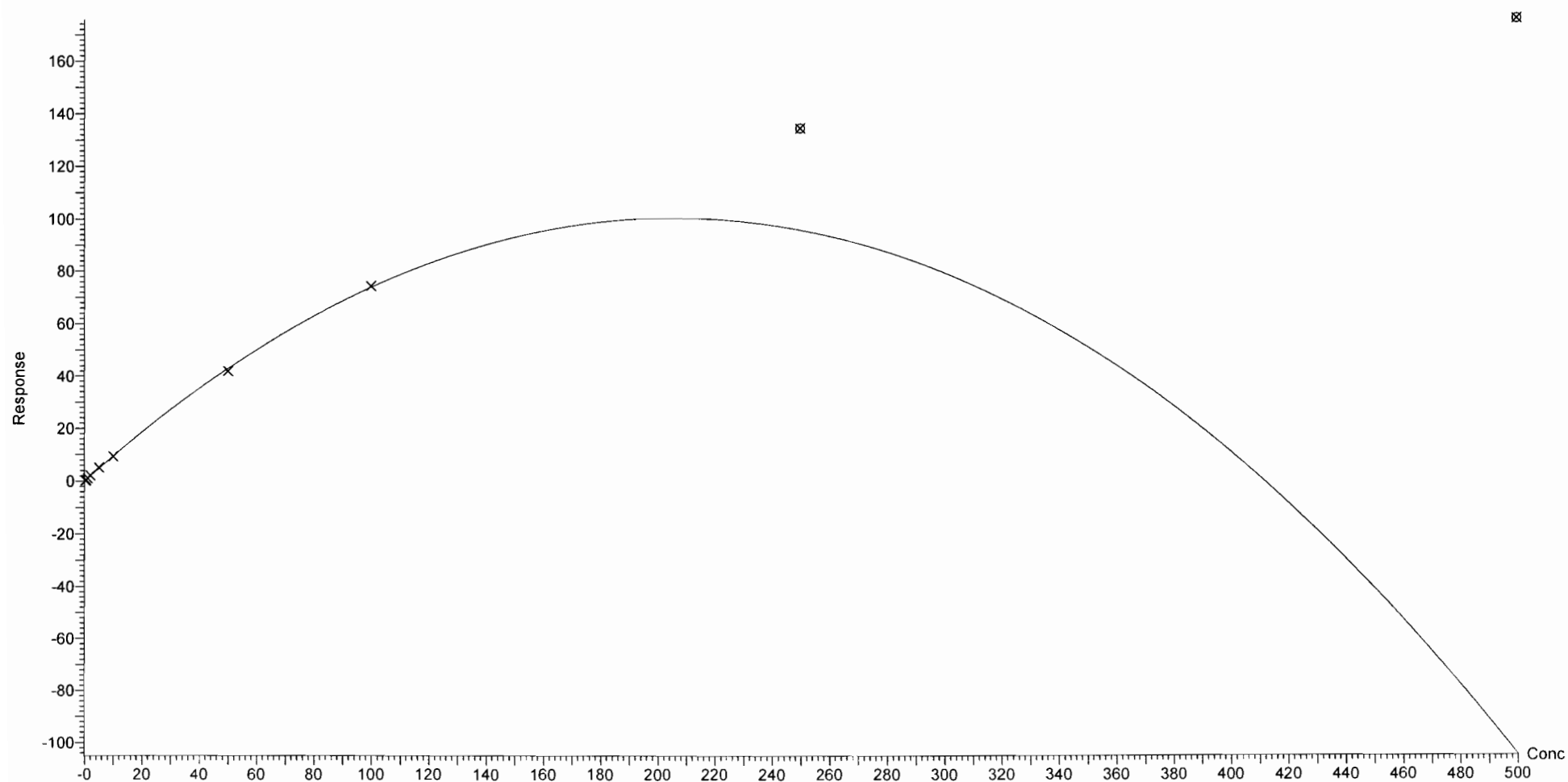
Compound name: 4:2 FTS

Coefficient of Determination:  $R^2 = 0.999041$

Calibration curve:  $-0.00237094 * x^2 + 0.975754 * x + 0.0265581$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

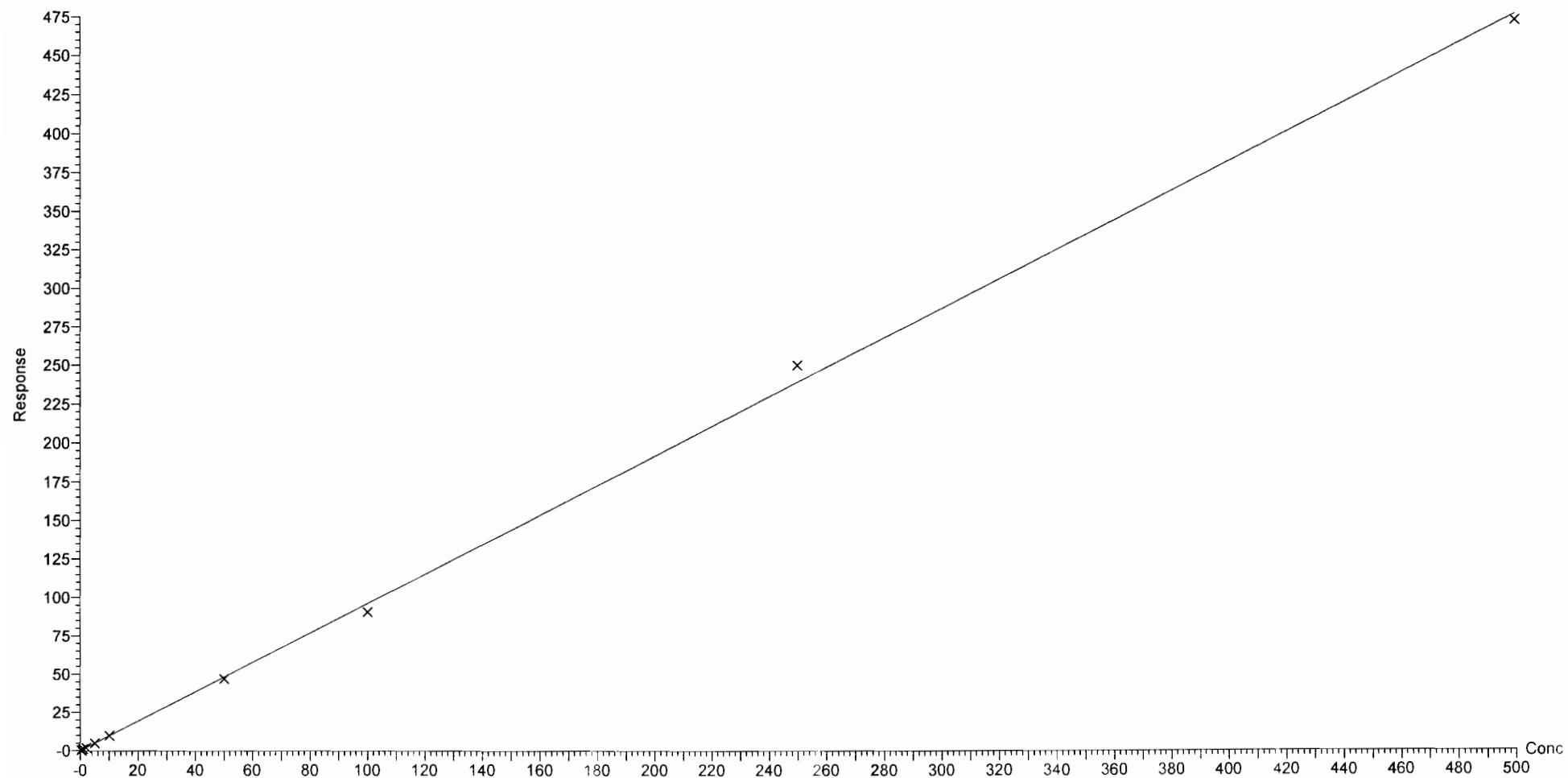
Compound name: PFHxA

Coefficient of Determination:  $R^2 = 0.998963$

Calibration curve:  $-2.04136e-005 * x^2 + 0.96052 * x + 0.00577971$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 12:26:56 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:28:07 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 18 Aug 2018 13:22:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

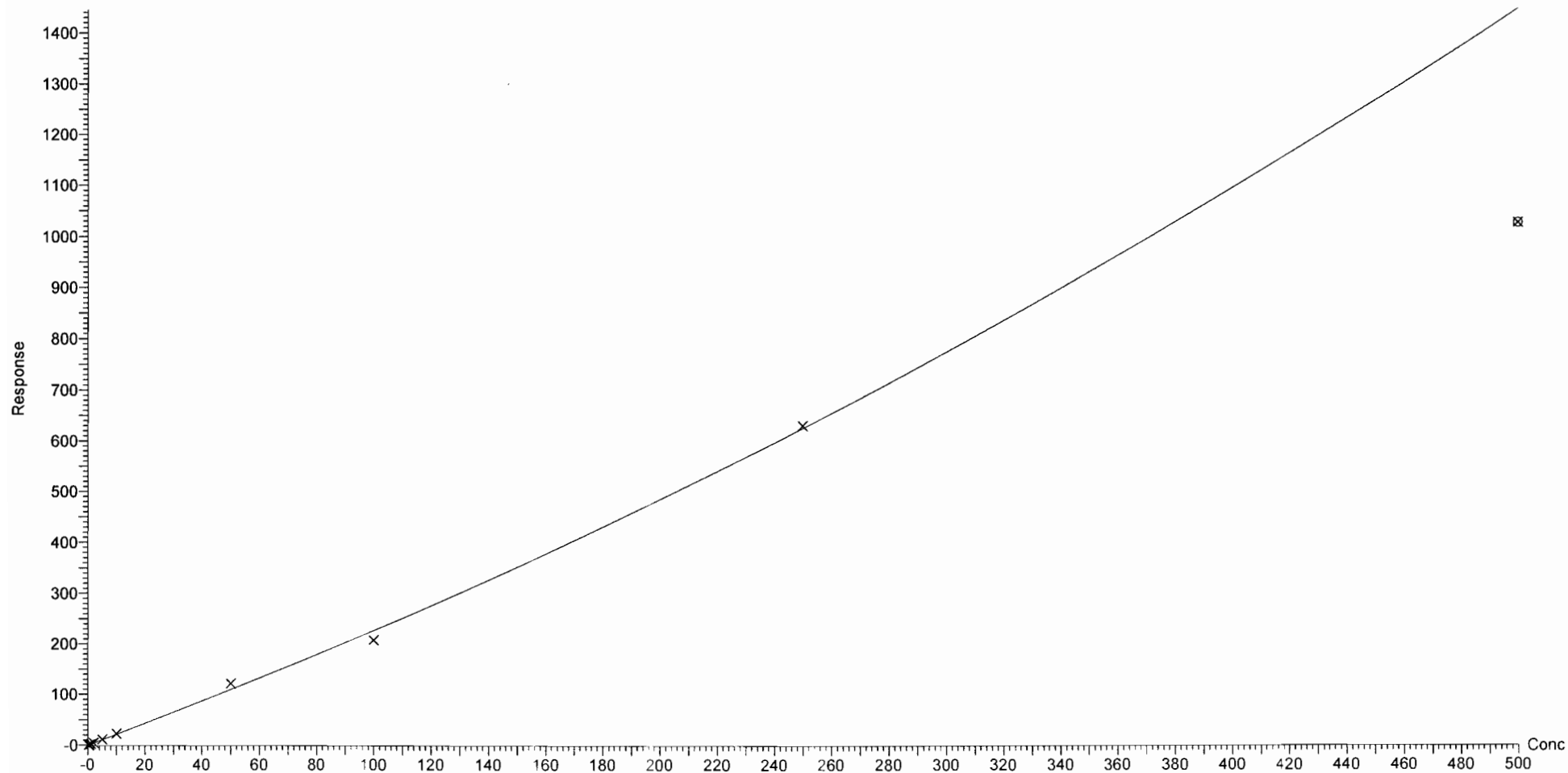
Compound name: PFPeS

Coefficient of Determination:  $R^2 = 0.997009$

Calibration curve:  $0.00155504 * x^2 + 2.11043 * x + 0.175165$

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

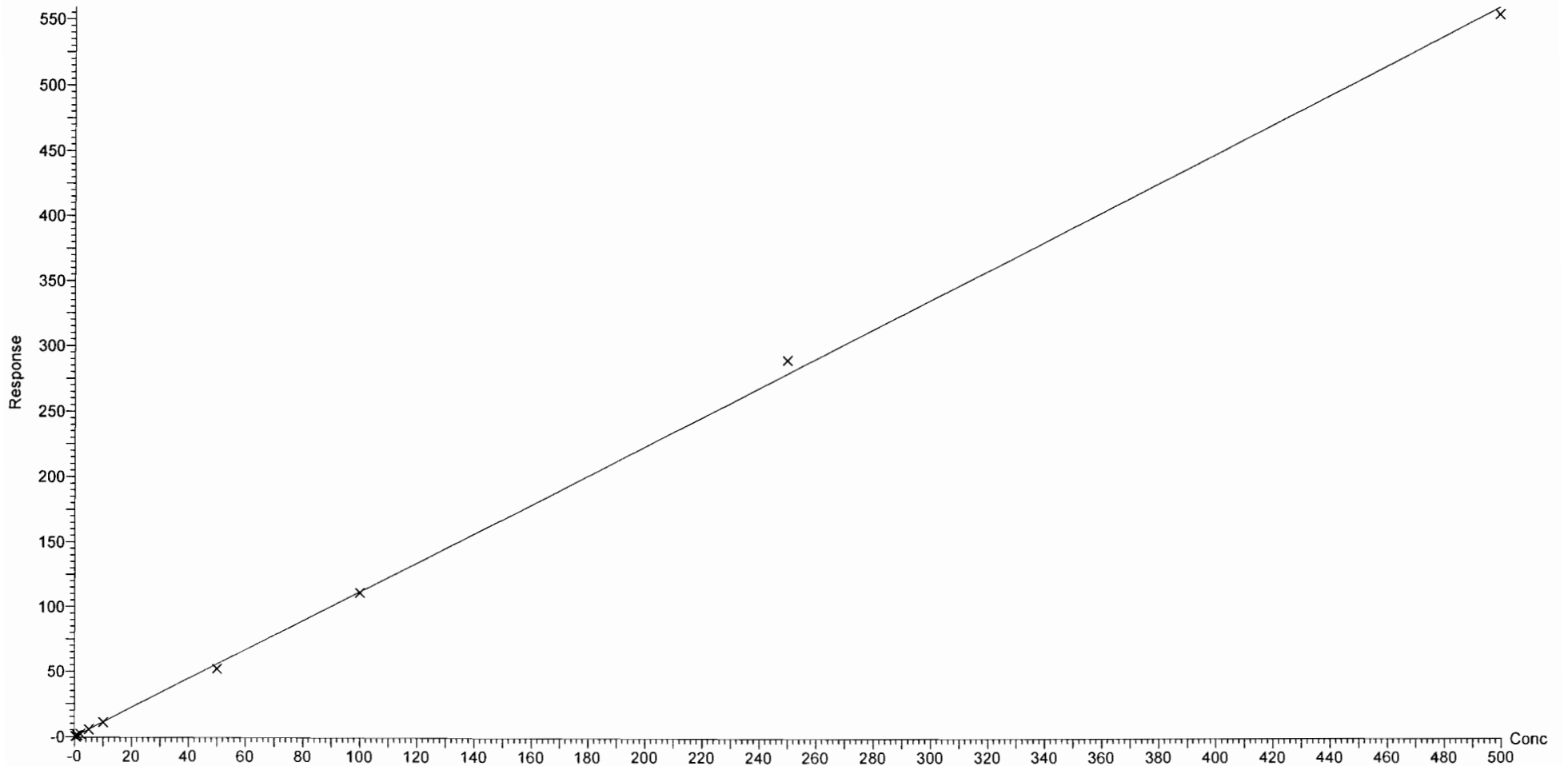
Compound name: PFHpA

Correlation coefficient:  $r = 0.999647$ ,  $r^2 = 0.999294$

Calibration curve:  $1.1179 * x + 0.0128617$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

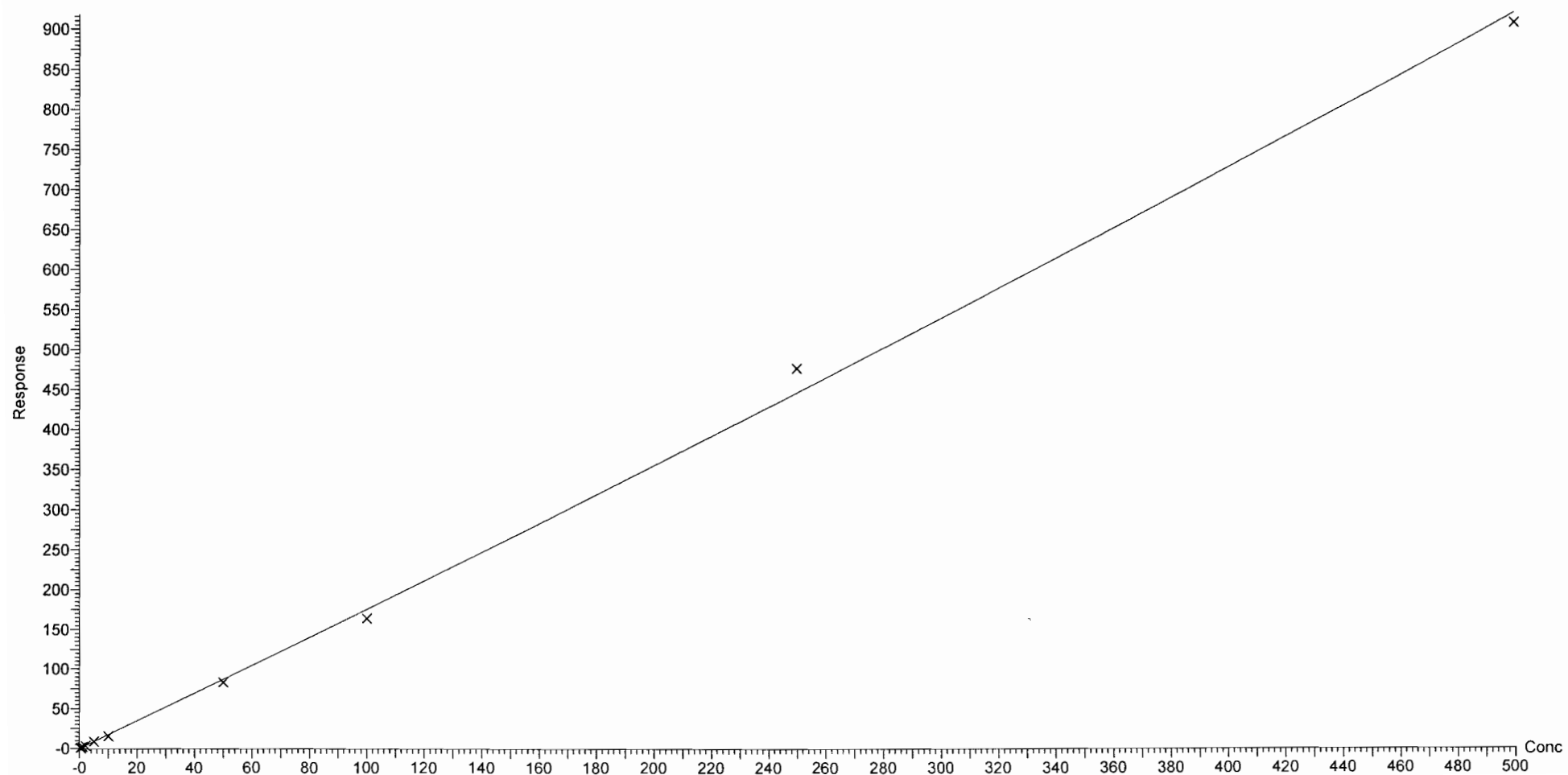
Compound name: L-PFHxS

Coefficient of Determination:  $R^2 = 0.997922$

Calibration curve:  $0.000203599 * x^2 + 1.73343 * x + -0.0243523$

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

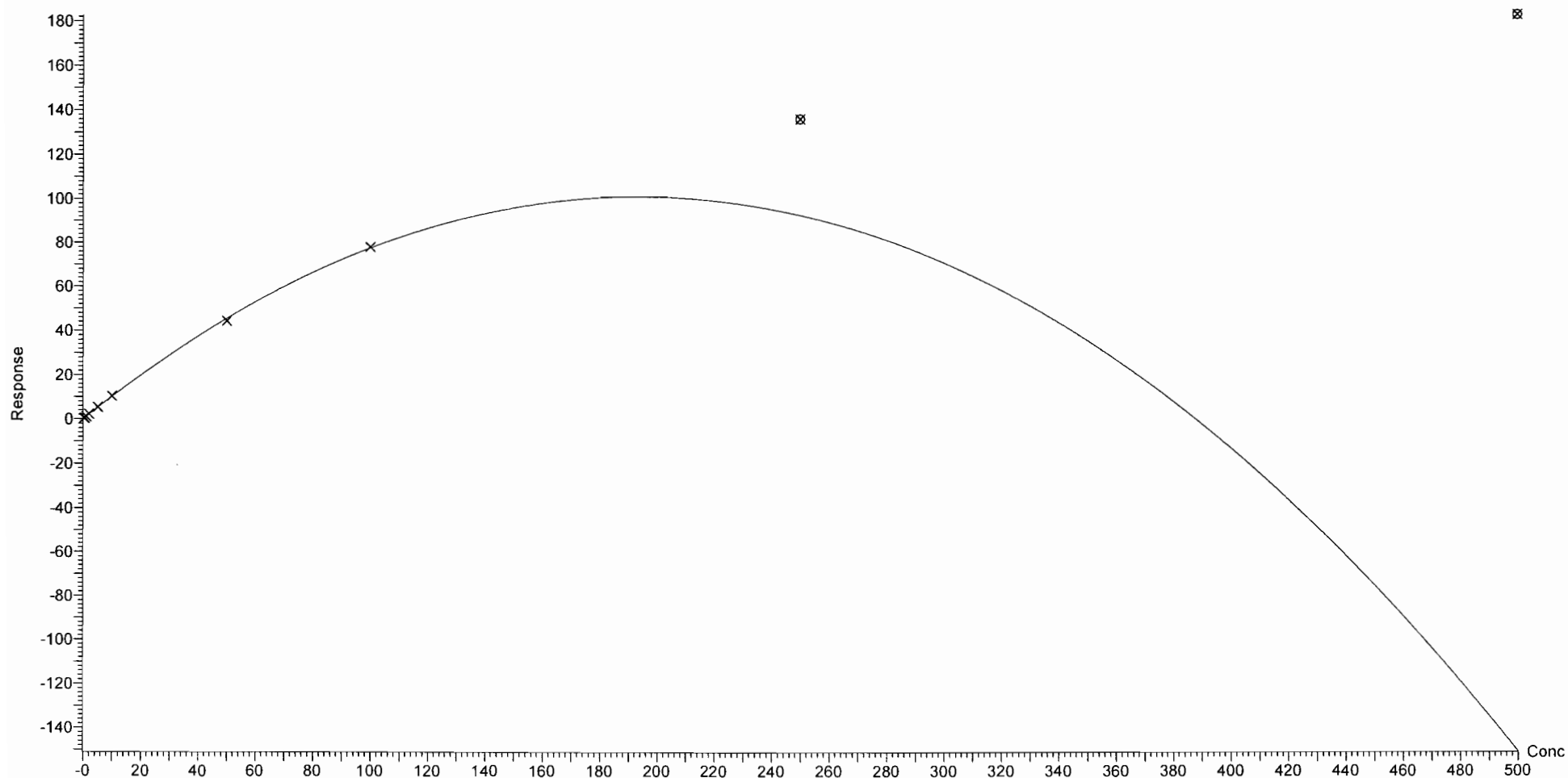
Compound name: 6:2 FTS

Coefficient of Determination:  $R^2 = 0.999516$

Calibration curve:  $-0.00268909 * x^2 + 1.04265 * x + 0.0289747$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

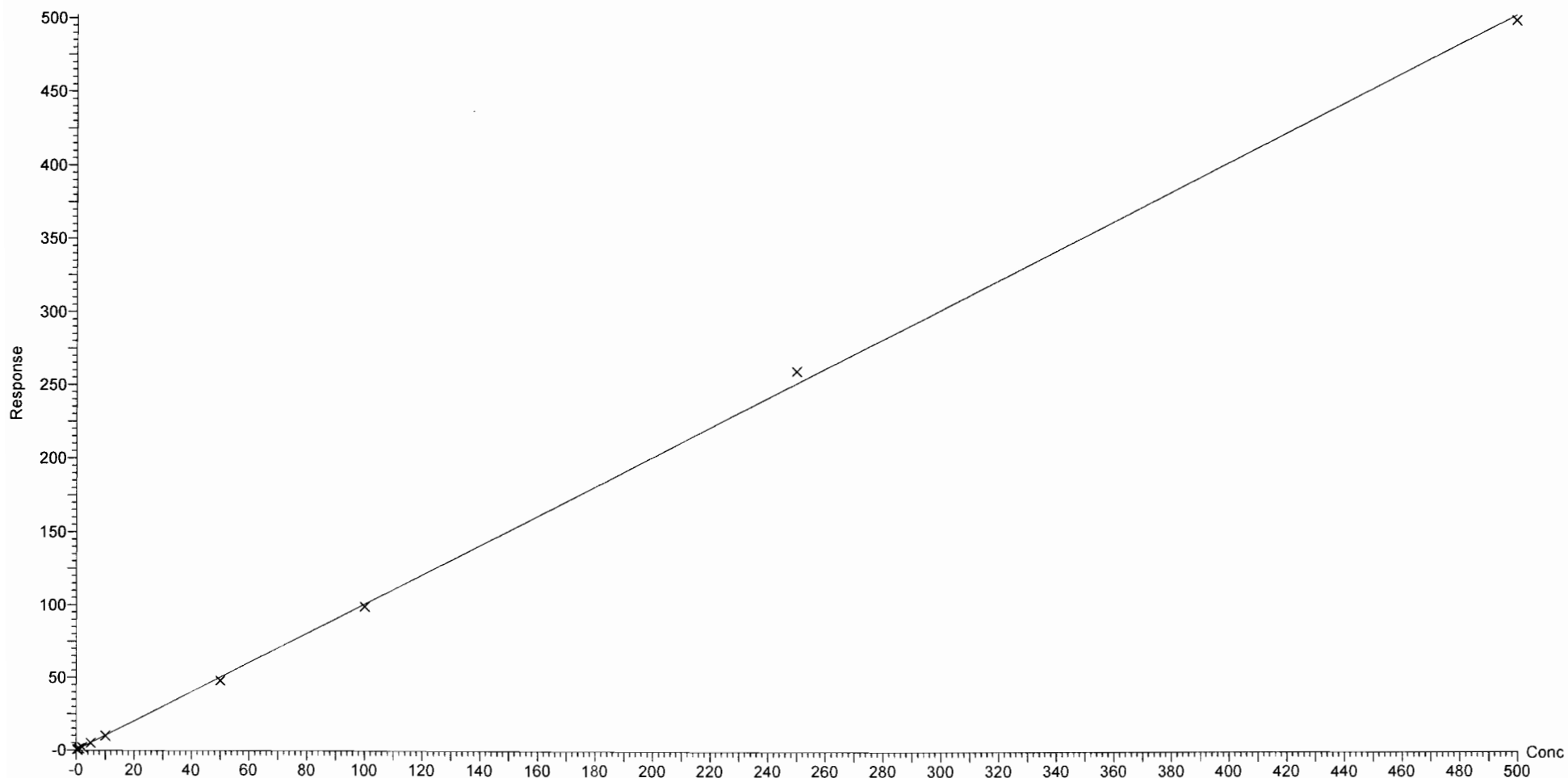
Compound name: L-PFOA

Coefficient of Determination:  $R^2 = 0.999468$

Calibration curve:  $-8.79959e-006 * x^2 + 1.00823 * x + 0.0337205$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

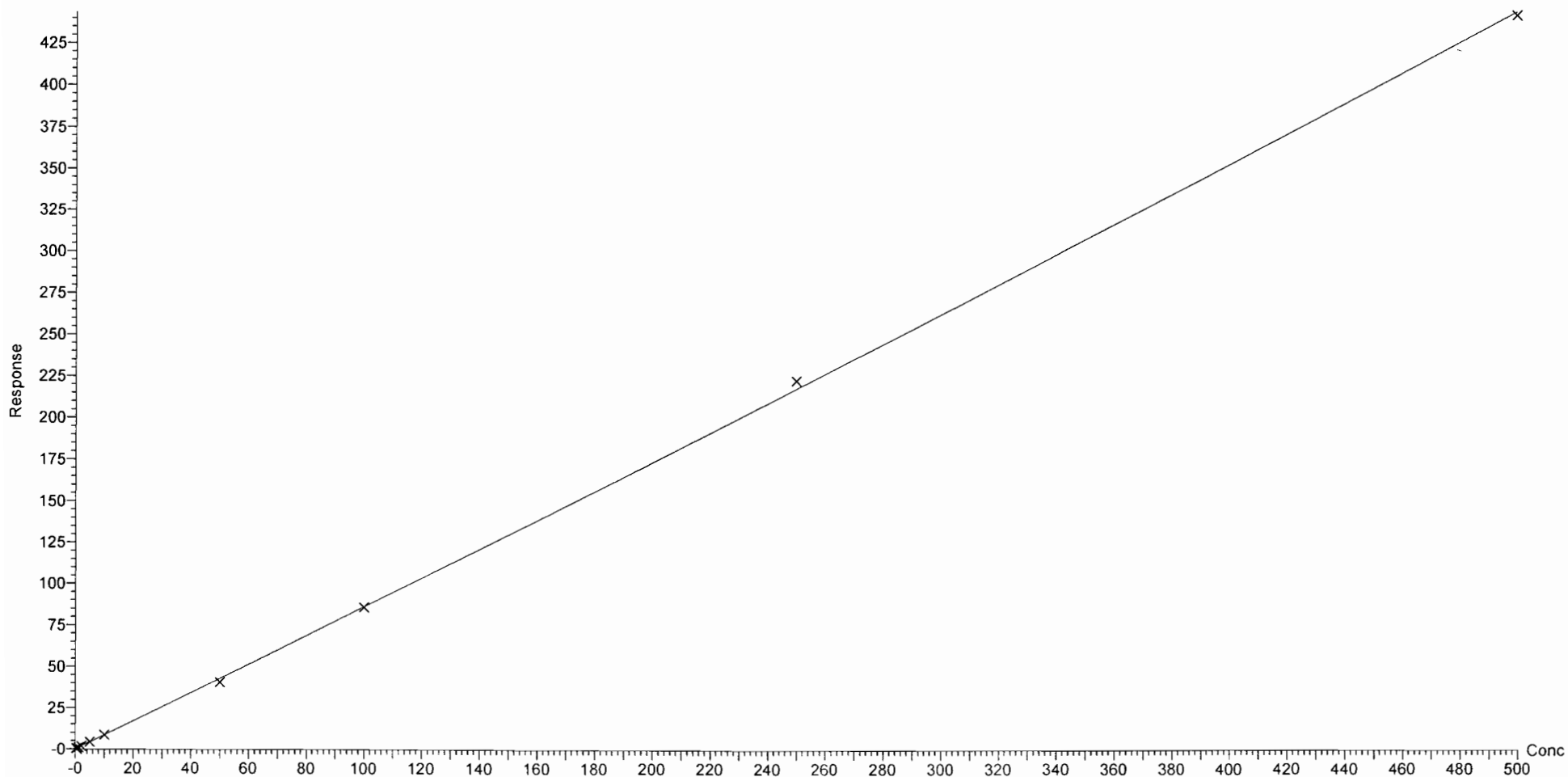
Compound name: PFHpS

Coefficient of Determination:  $R^2 = 0.999677$

Calibration curve:  $6.52795e-005 * x^2 + 0.854196 * x + -0.0385694$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

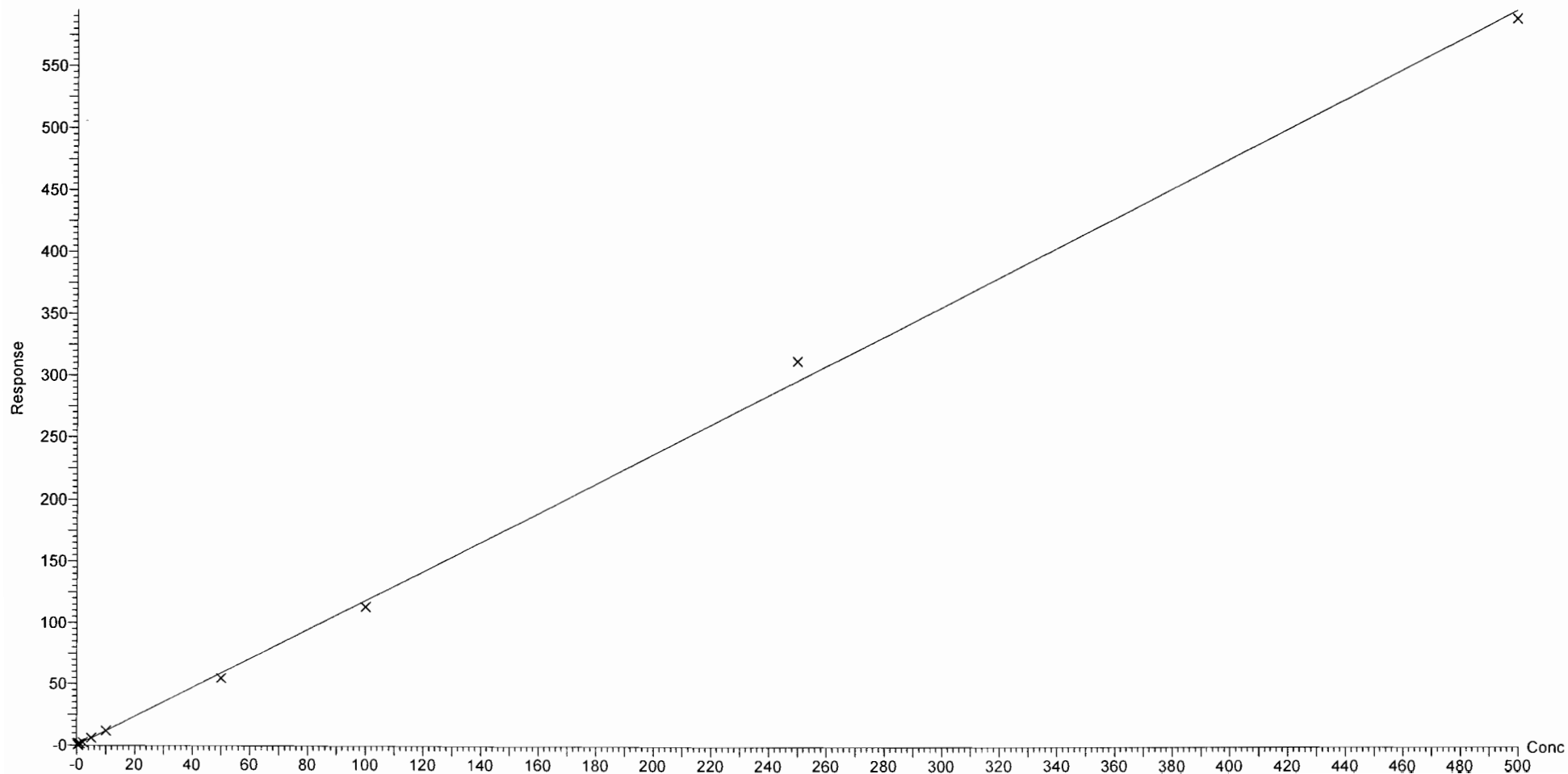
Compound name: PFNA

Coefficient of Determination:  $R^2 = 0.998633$

Calibration curve:  $1.80742e-005 * x^2 + 1.18056 * x + -0.0313309$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

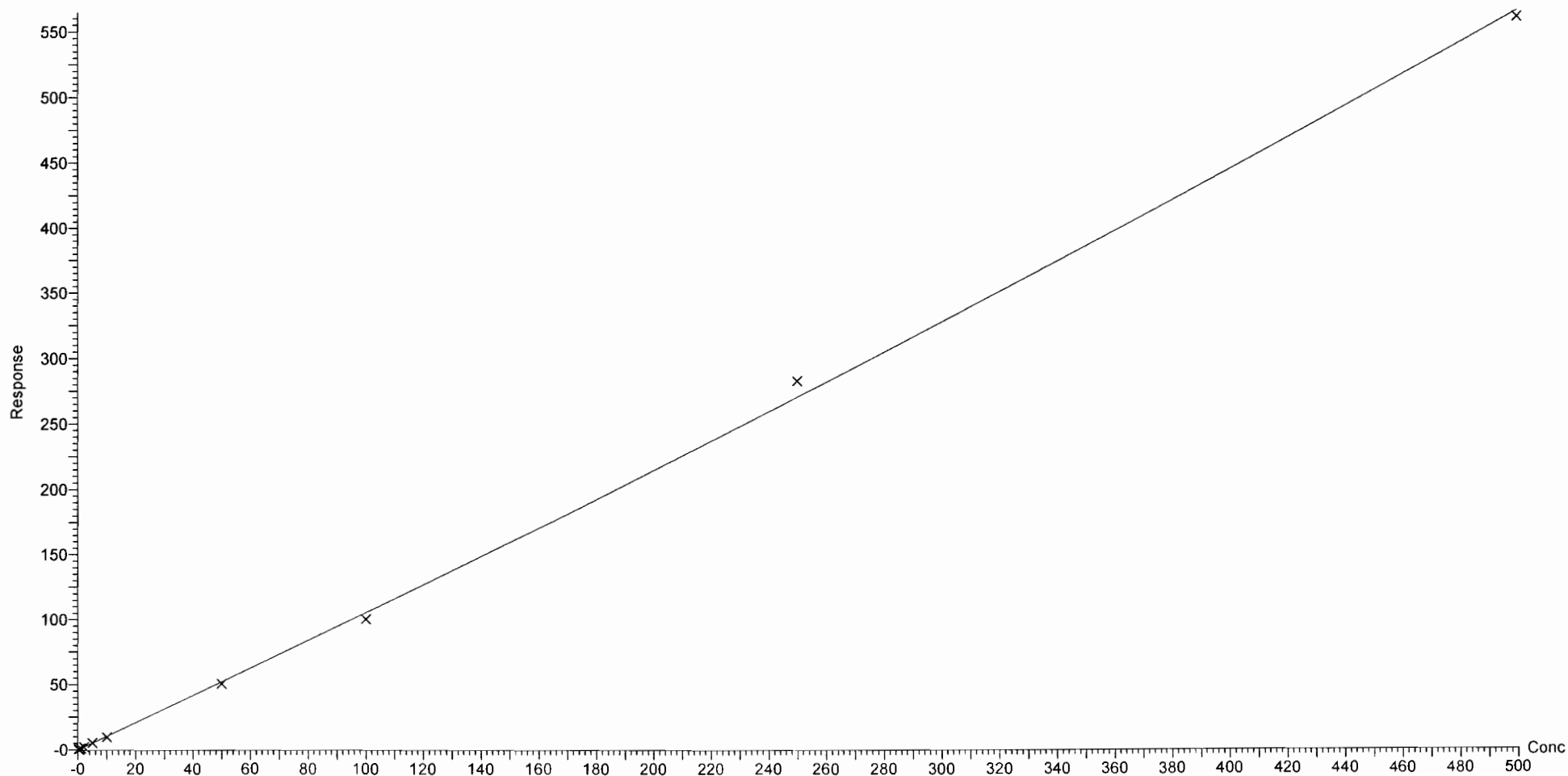
Compound name: PFOSA

Coefficient of Determination:  $R^2 = 0.999077$

Calibration curve:  $0.000189127 * x^2 + 1.03389 * x + -0.0115339$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

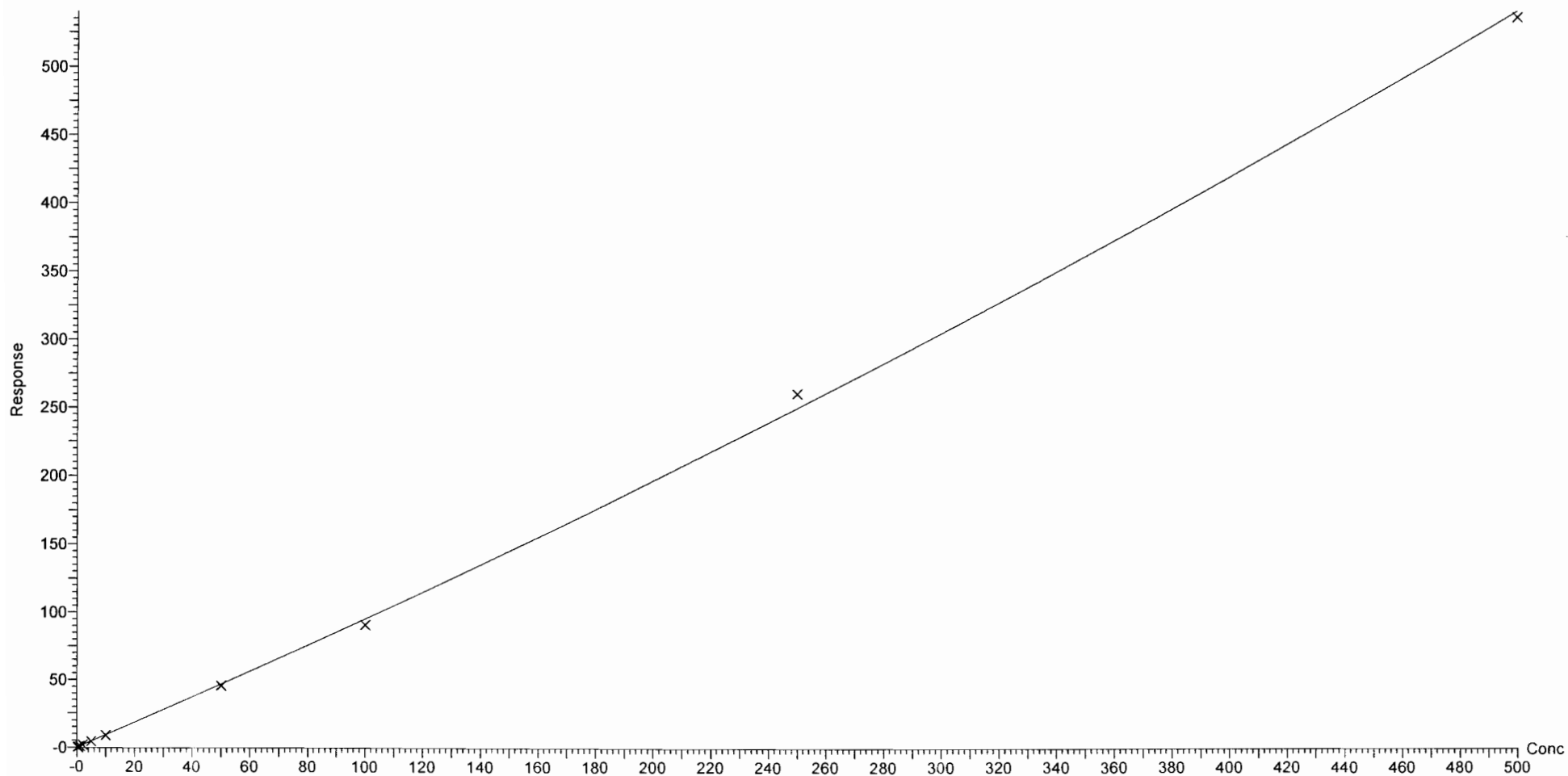
Compound name: L-PFOS

Coefficient of Determination:  $R^2 = 0.999247$

Calibration curve:  $0.000319688 * x^2 + 0.920147 * x + -0.0246865$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

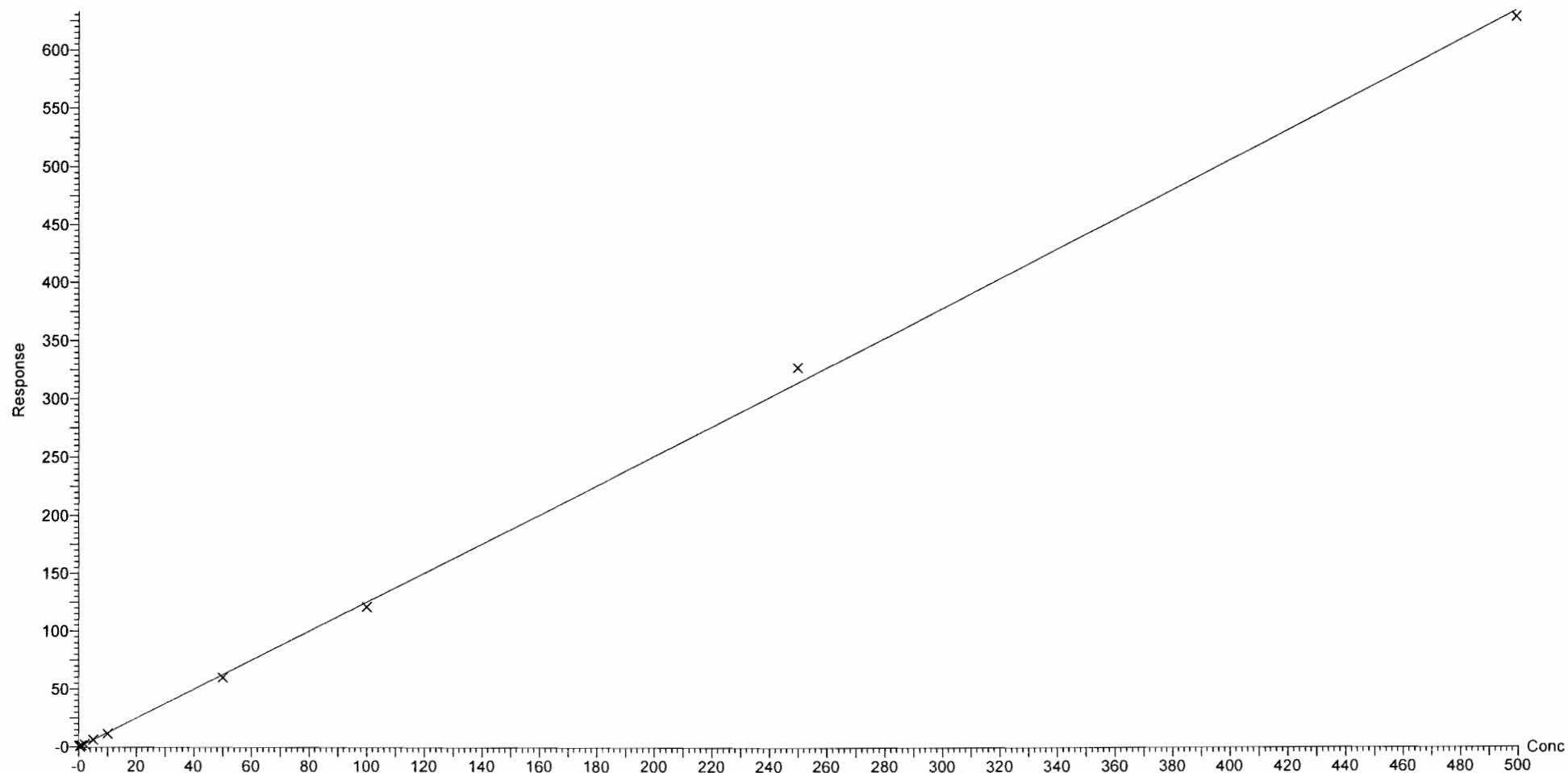
Compound name: PFDA

Coefficient of Determination:  $R^2 = 0.999189$

Calibration curve:  $3.65304e-005 * x^2 + 1.24693 * x + -0.0114924$

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

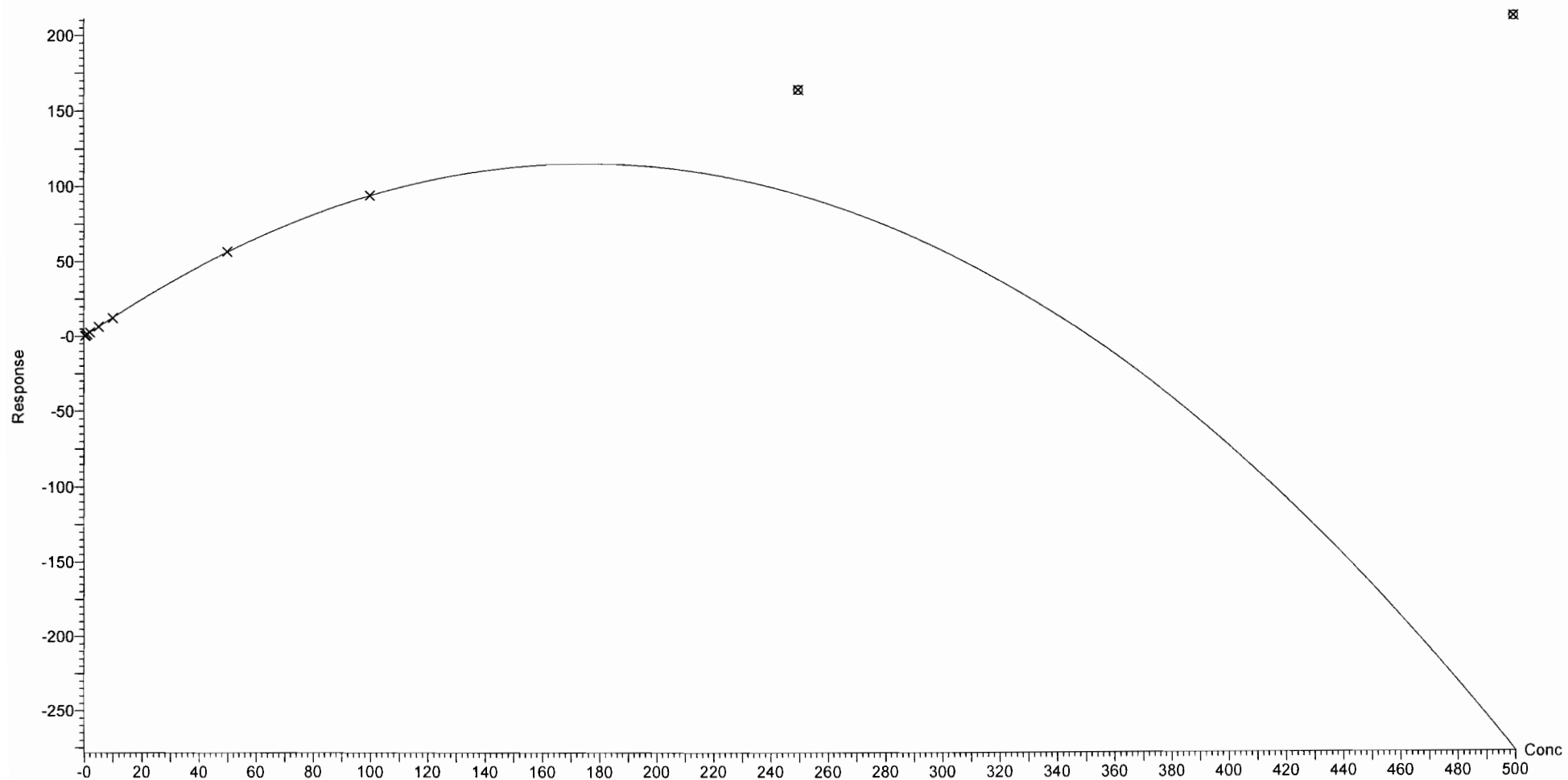
Compound name: 8:2 FTS

Coefficient of Determination:  $R^2 = 0.999620$

Calibration curve:  $-0.00373101 * x^2 + 1.30929 * x + -0.00481343$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

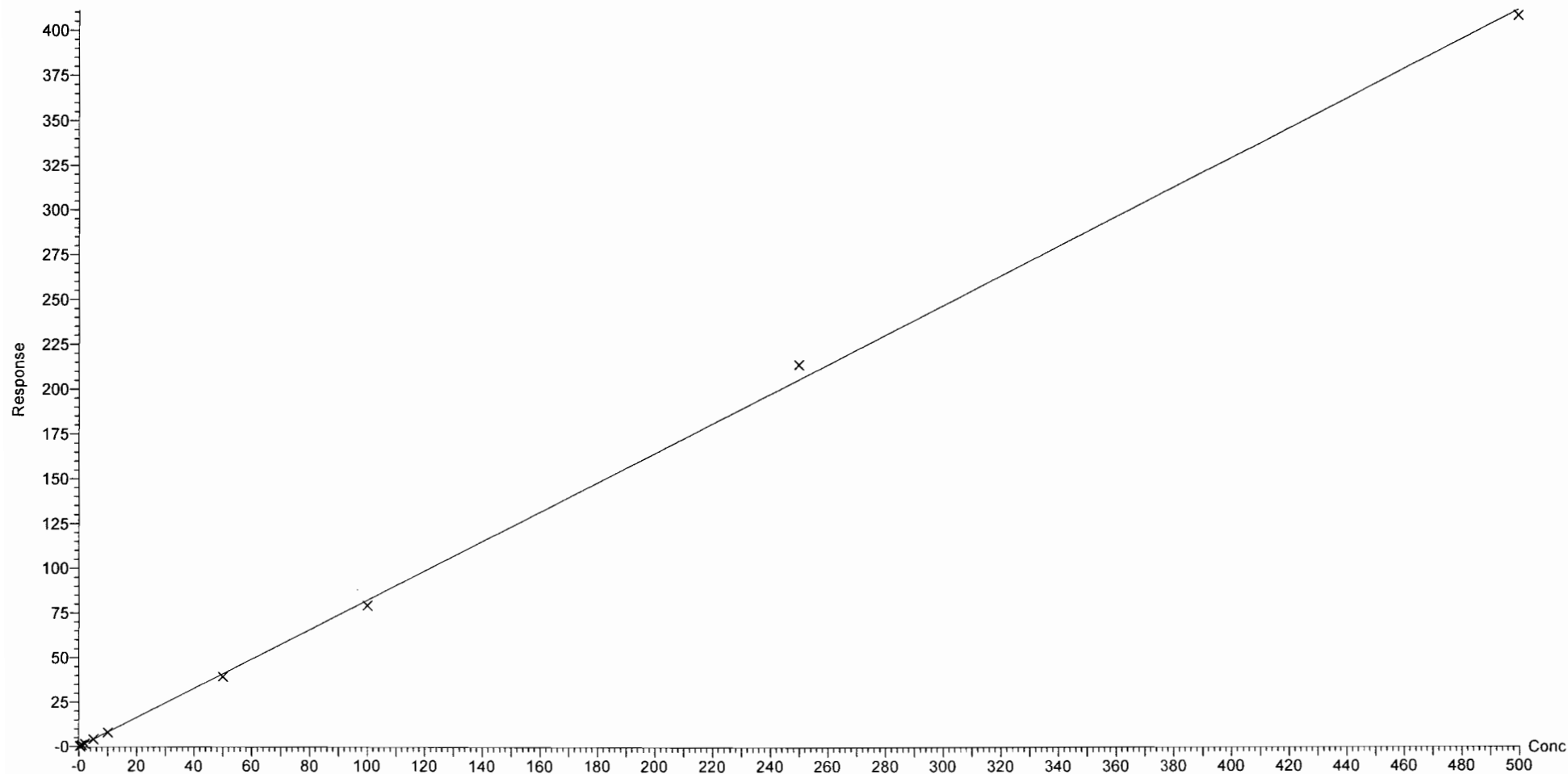
Compound name: PFNS

Coefficient of Determination:  $R^2 = 0.999247$

Calibration curve:  $-1.97777e-006 * x^2 + 0.822519 * x + -0.00791944$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

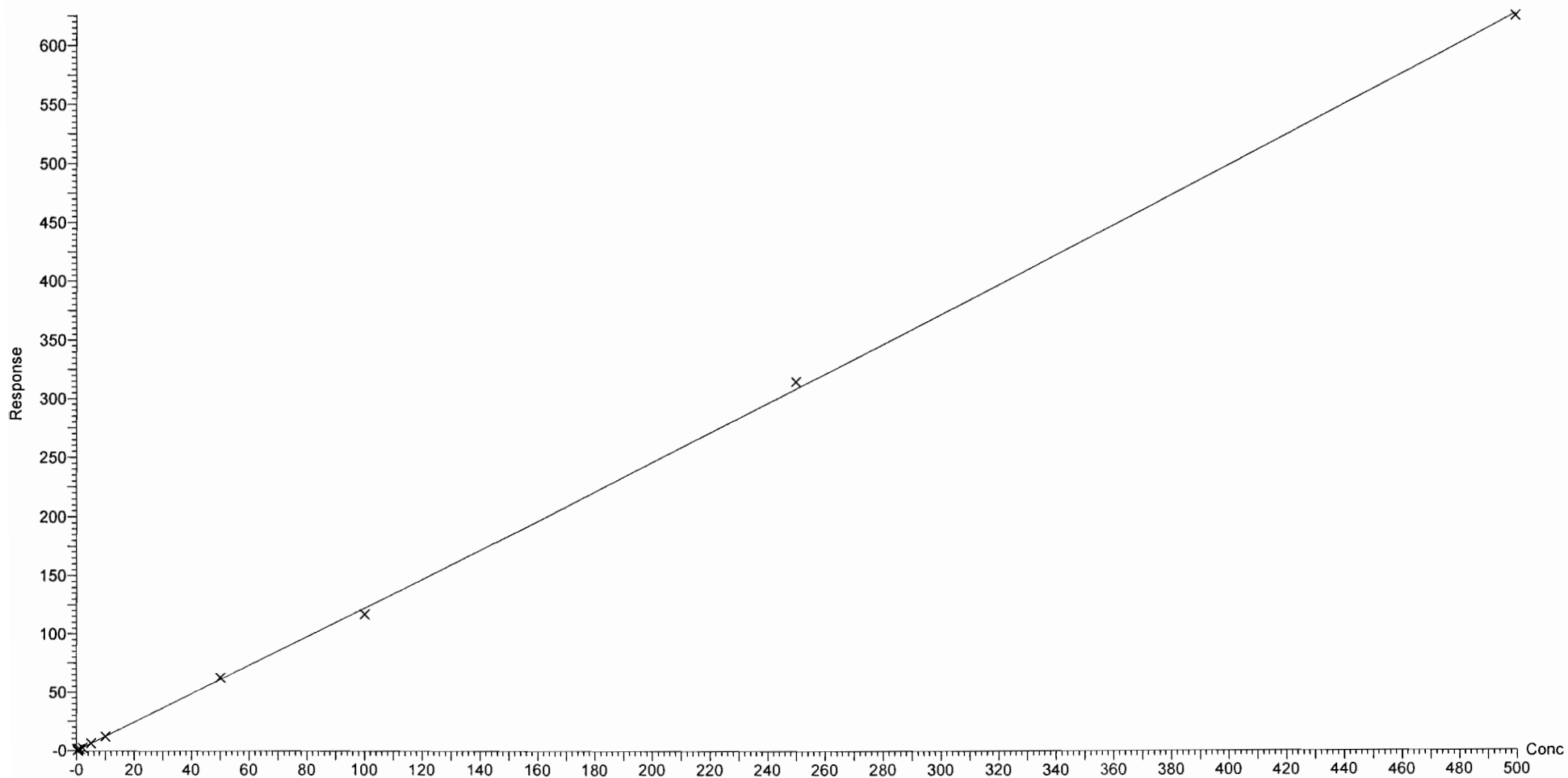
Compound name: L-MeFOSAA

Coefficient of Determination:  $R^2 = 0.999629$

Calibration curve:  $7.43899e-005 * x^2 + 1.21424 * x + -0.0674876$

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

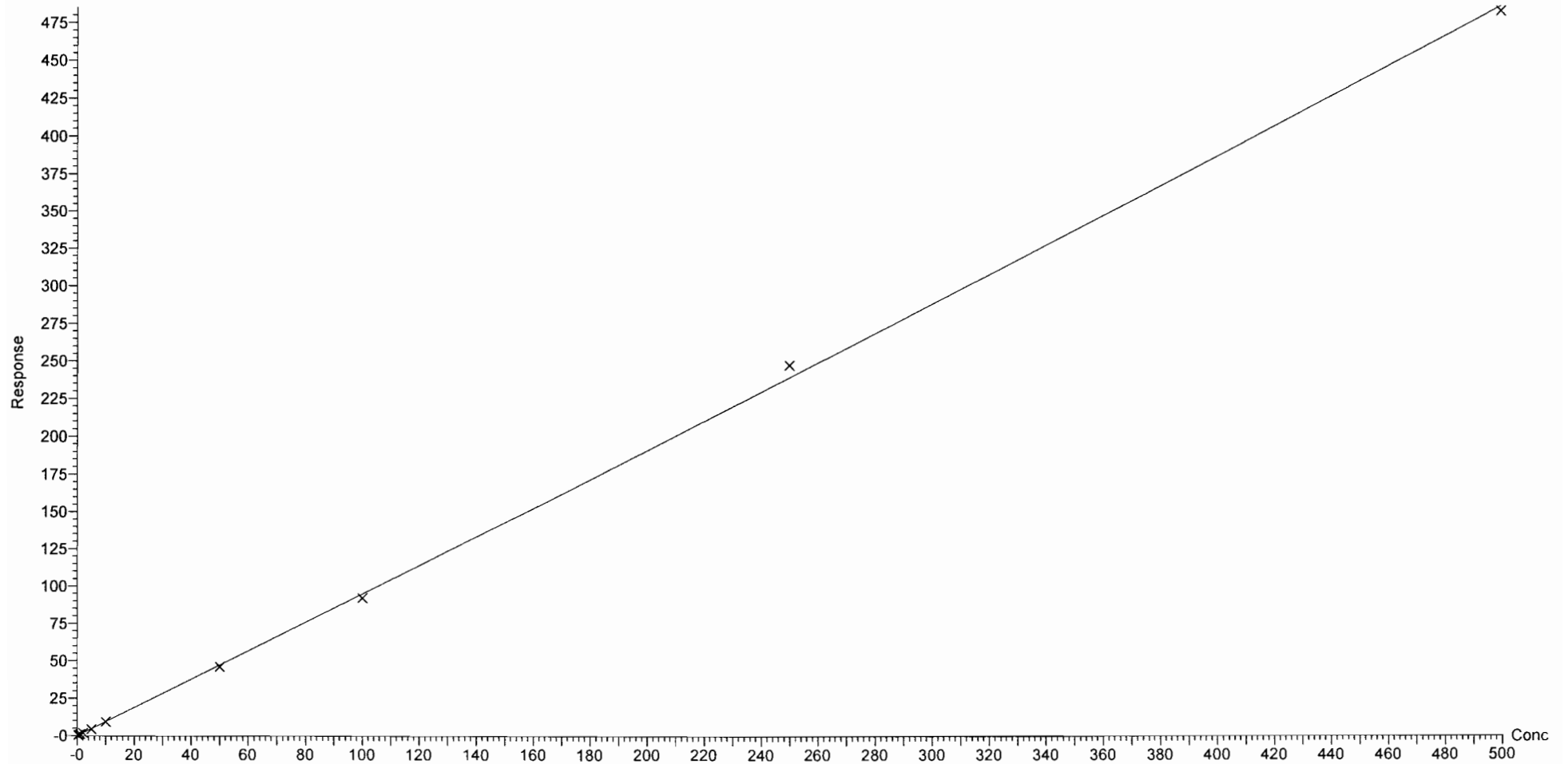


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:31 Pacific Daylight Time

Compound name: L-EtFOSAA  
Coefficient of Determination:  $R^2 = 0.999446$   
Calibration curve:  $5.42069e-005 * x^2 + 0.942918 * x + -0.0792023$   
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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 11:58:23

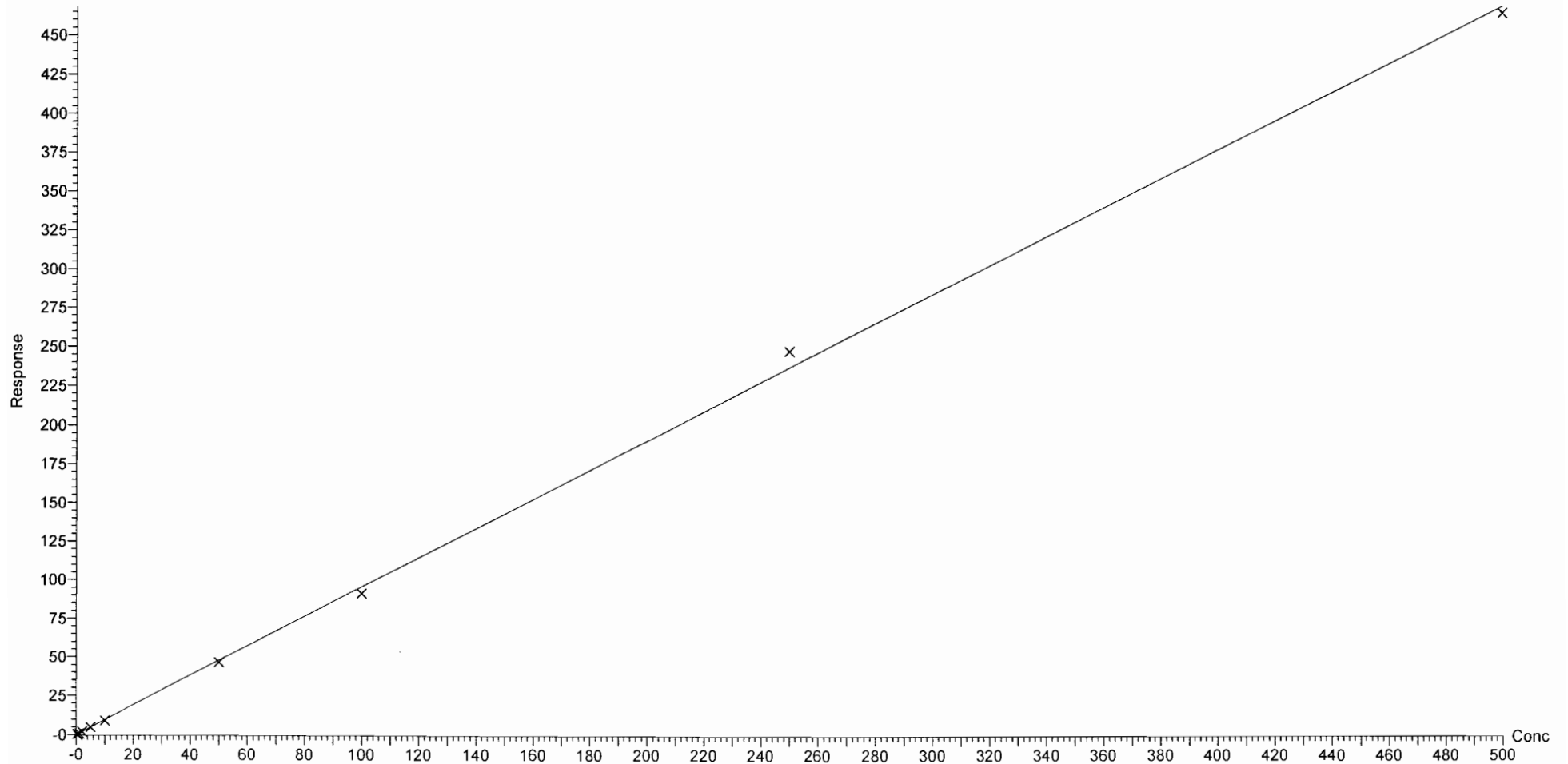
Compound name: PFUdA

Coefficient of Determination:  $R^2 = 0.999065$

Calibration curve:  $-4.78243e-005 * x^2 + 0.960284 * x + 0.0221714$

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

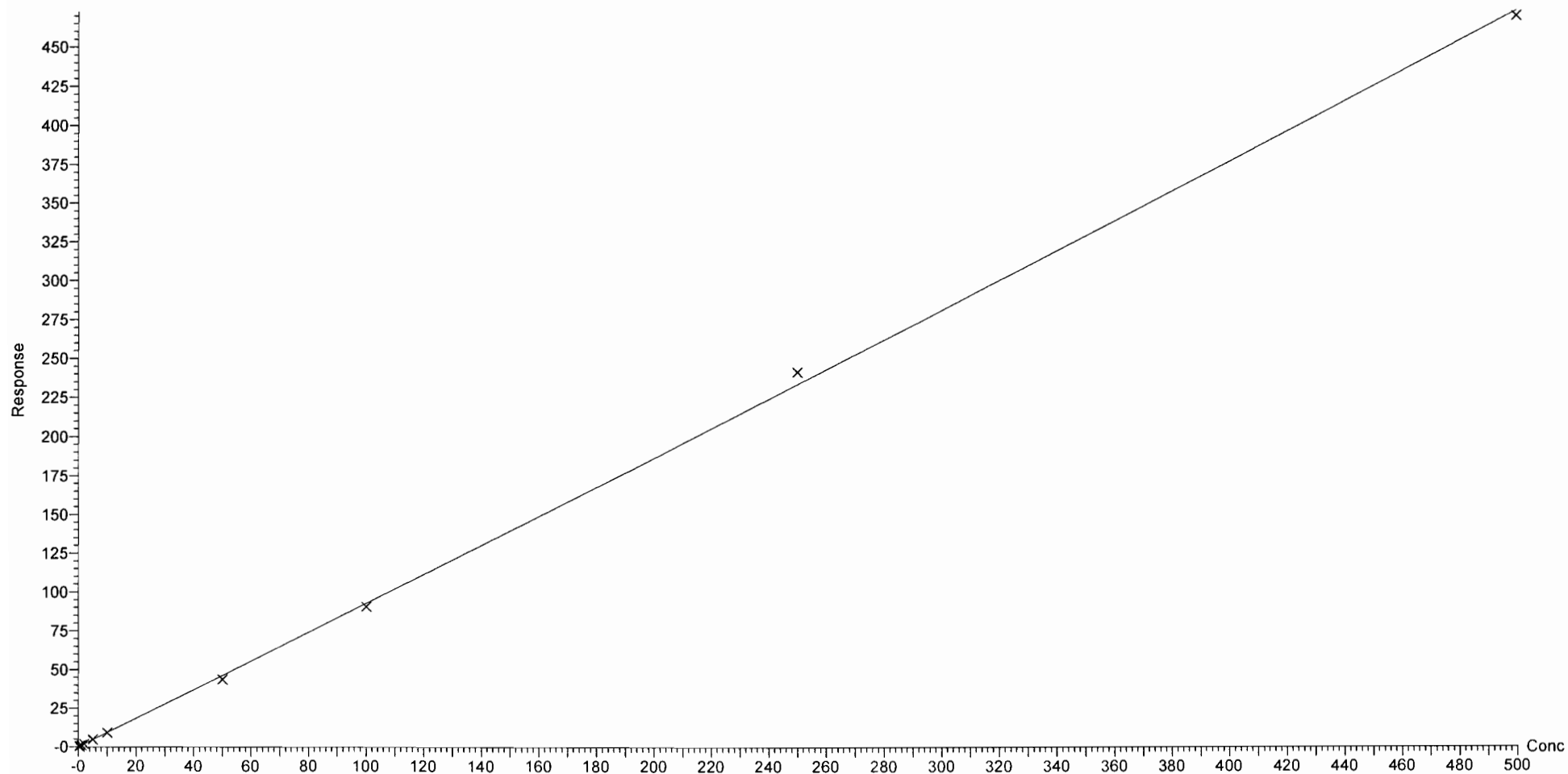
Compound name: PFDS

Coefficient of Determination:  $R^2 = 0.999417$

Calibration curve:  $4.4146e-005 * x^2 + 0.922936 * x + -0.032404$

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

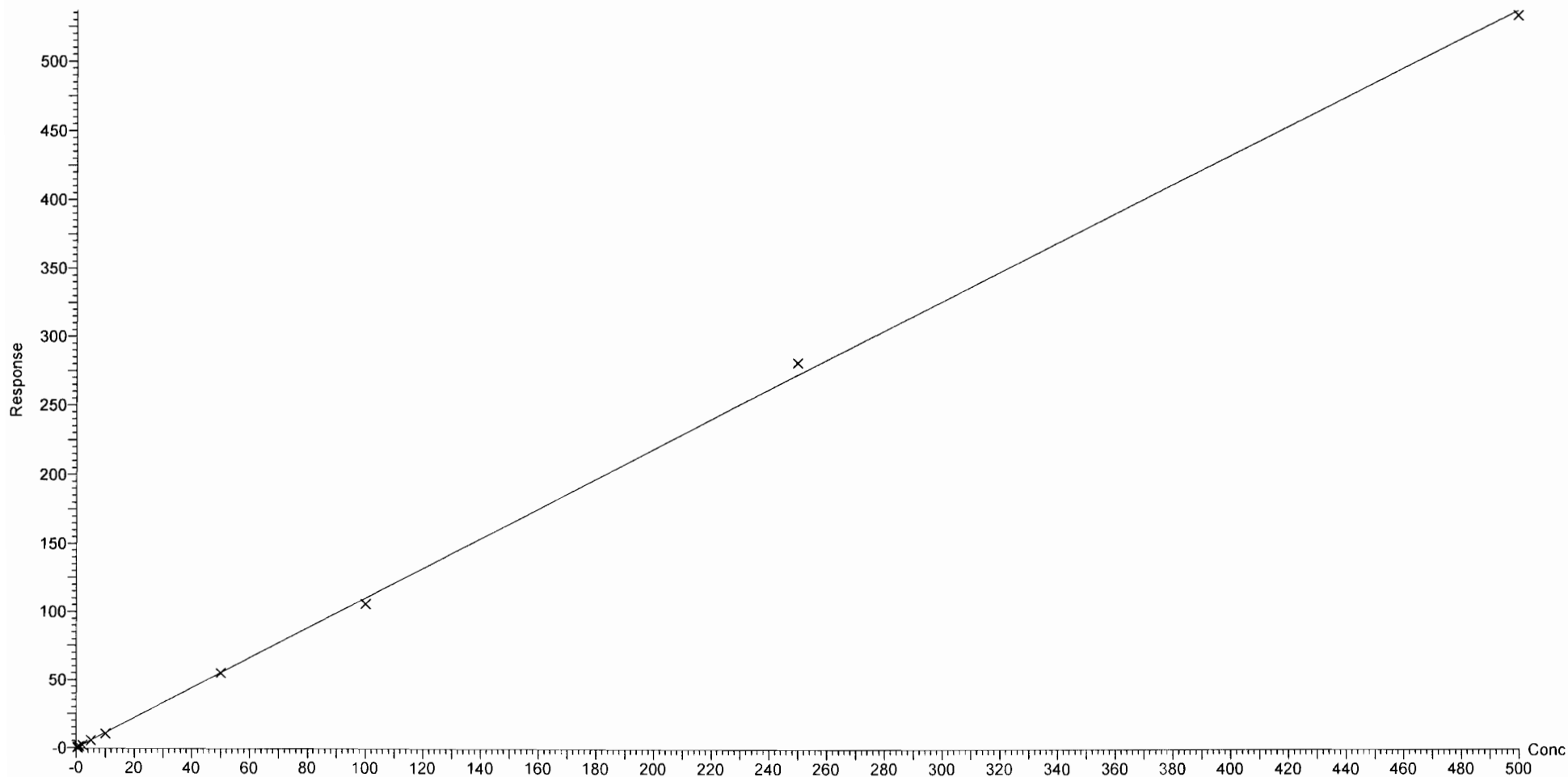
Compound name: PFDoA

Coefficient of Determination:  $R^2 = 0.999456$

Calibration curve:  $-7.09846e-005 * x^2 + 1.10919 * x + -0.00452959$

Response type: Internal Std ( Ref 53 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

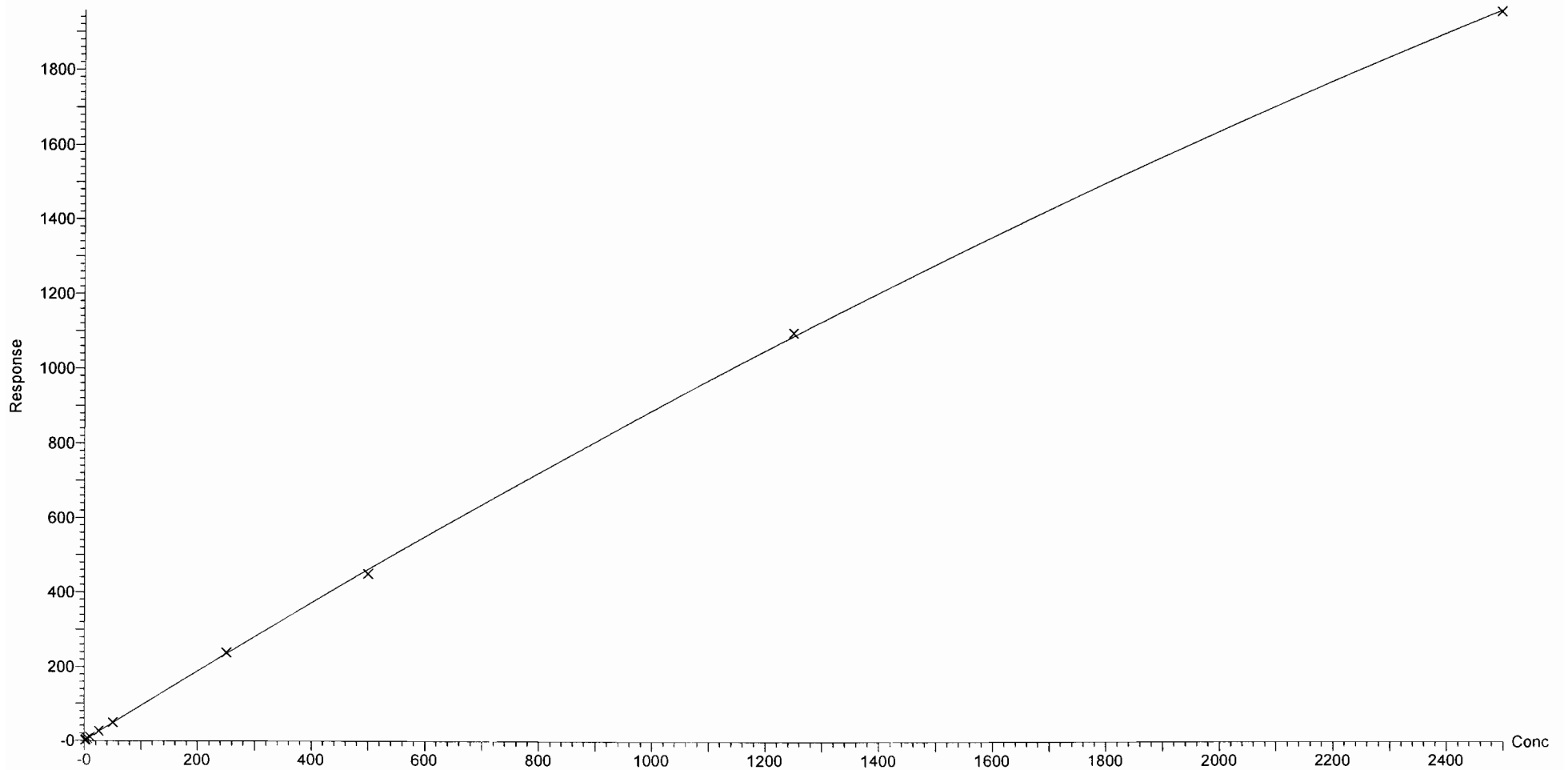


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

Compound name: N-MeFOSA  
Coefficient of Determination:  $R^2 = 0.999843$   
Calibration curve:  $-6.96714e-005 * x^2 + 0.956469 * x + 0.187477$   
Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )  
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



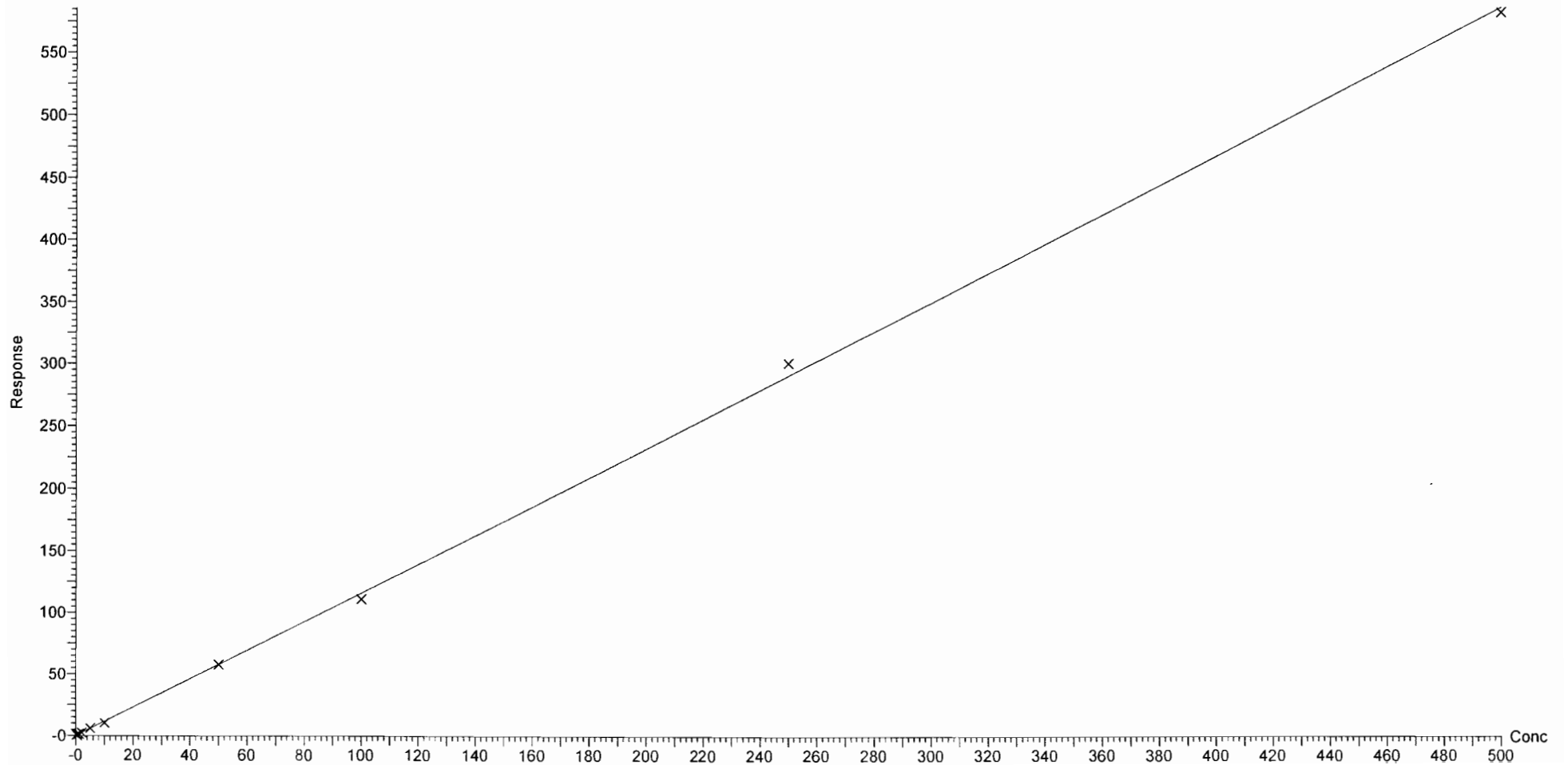


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

Compound name: PFTTrDA  
Coefficient of Determination:  $R^2 = 0.999328$   
Calibration curve:  $3.73082e-005 * x^2 + 1.15239 * x + -0.0207788$   
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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

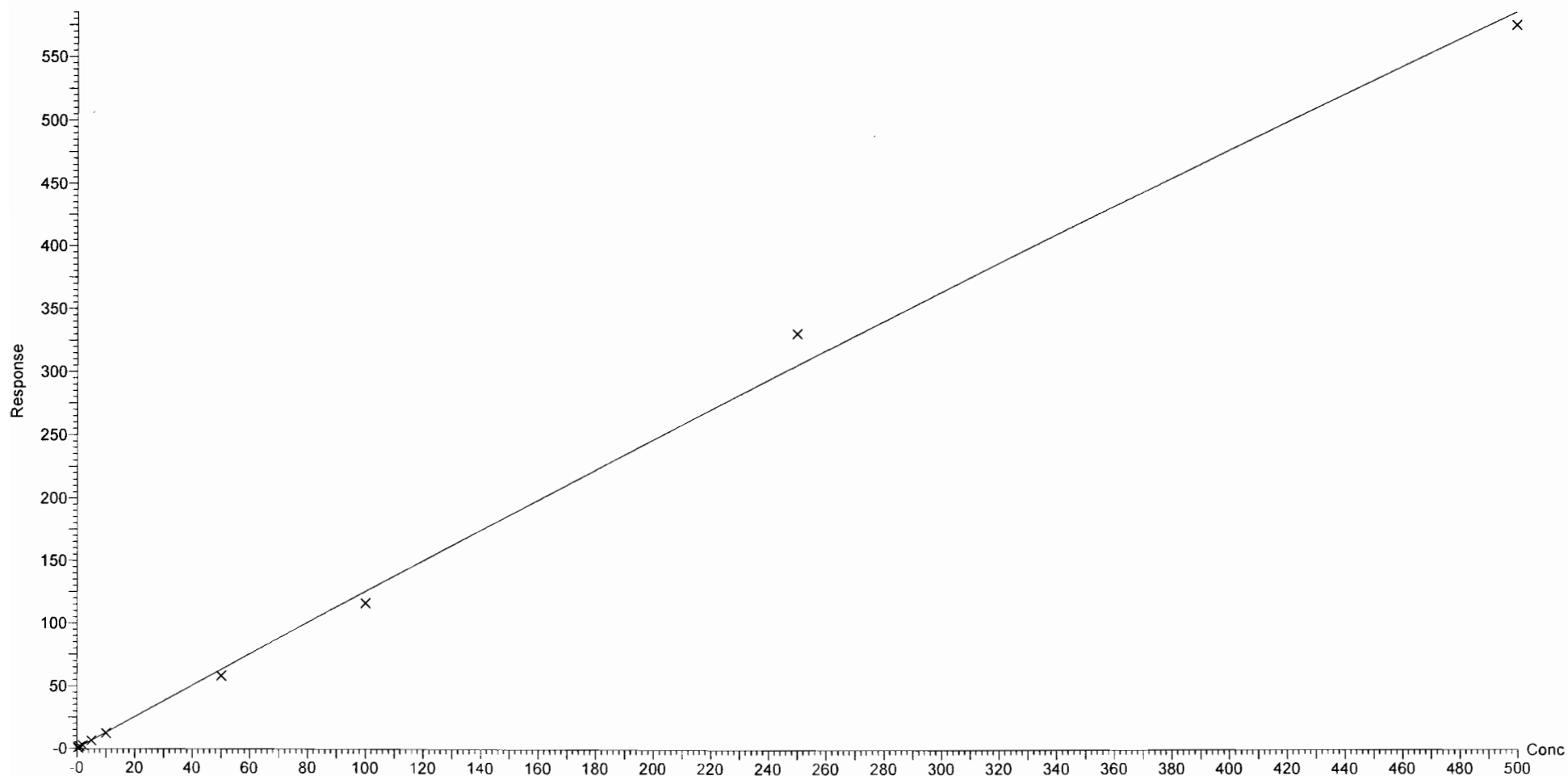
Compound name: PFTeDA

Coefficient of Determination:  $R^2 = 0.996826$

Calibration curve:  $-0.000215569 * x^2 + 1.2779 * x + -0.0148886$

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\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

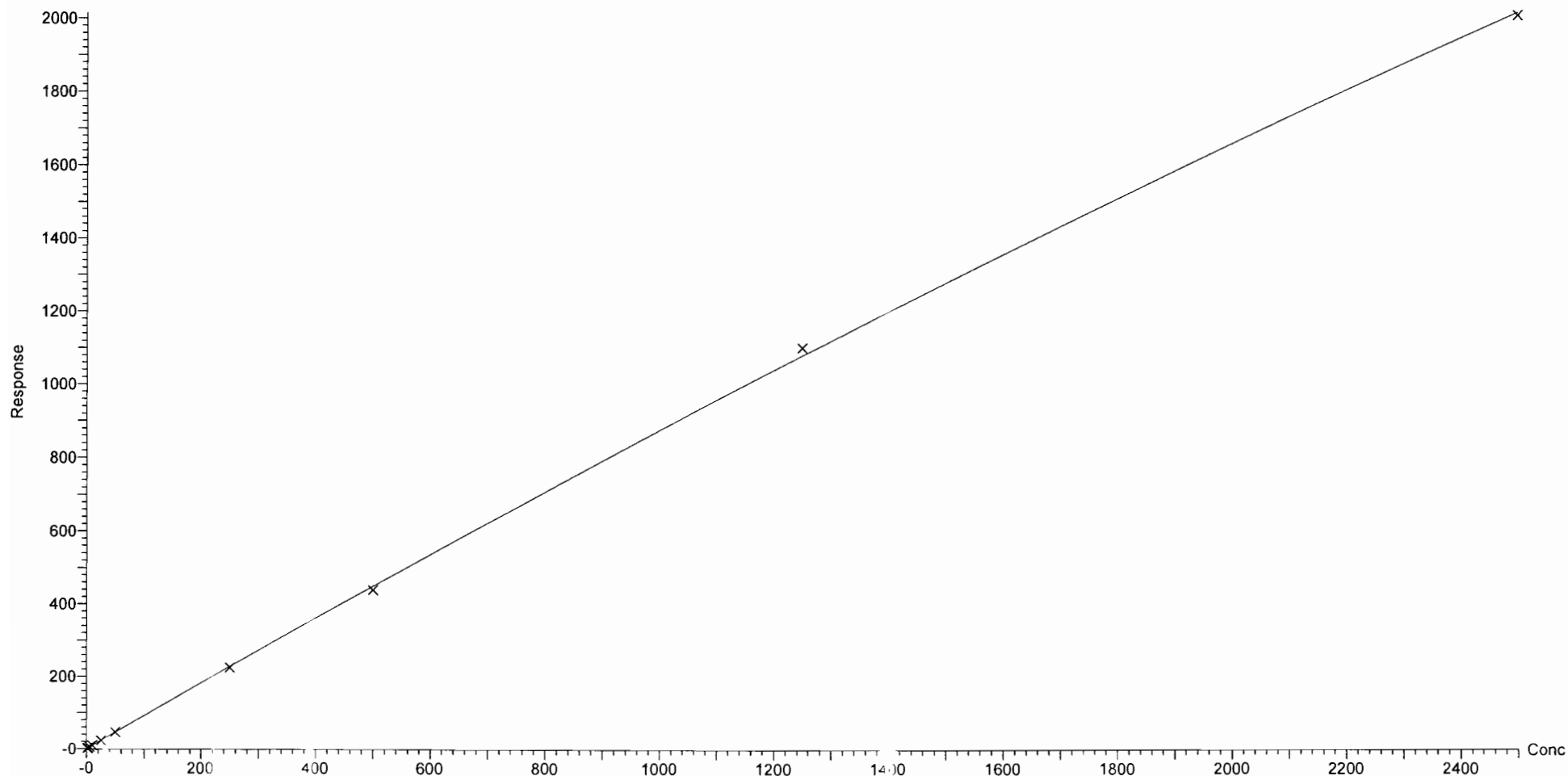
Compound name: N-EtFOSA

Coefficient of Determination:  $R^2 = 0.999793$

Calibration curve:  $-4.67046e-005 * x^2 + 0.922037 * x + 0.0631164$

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

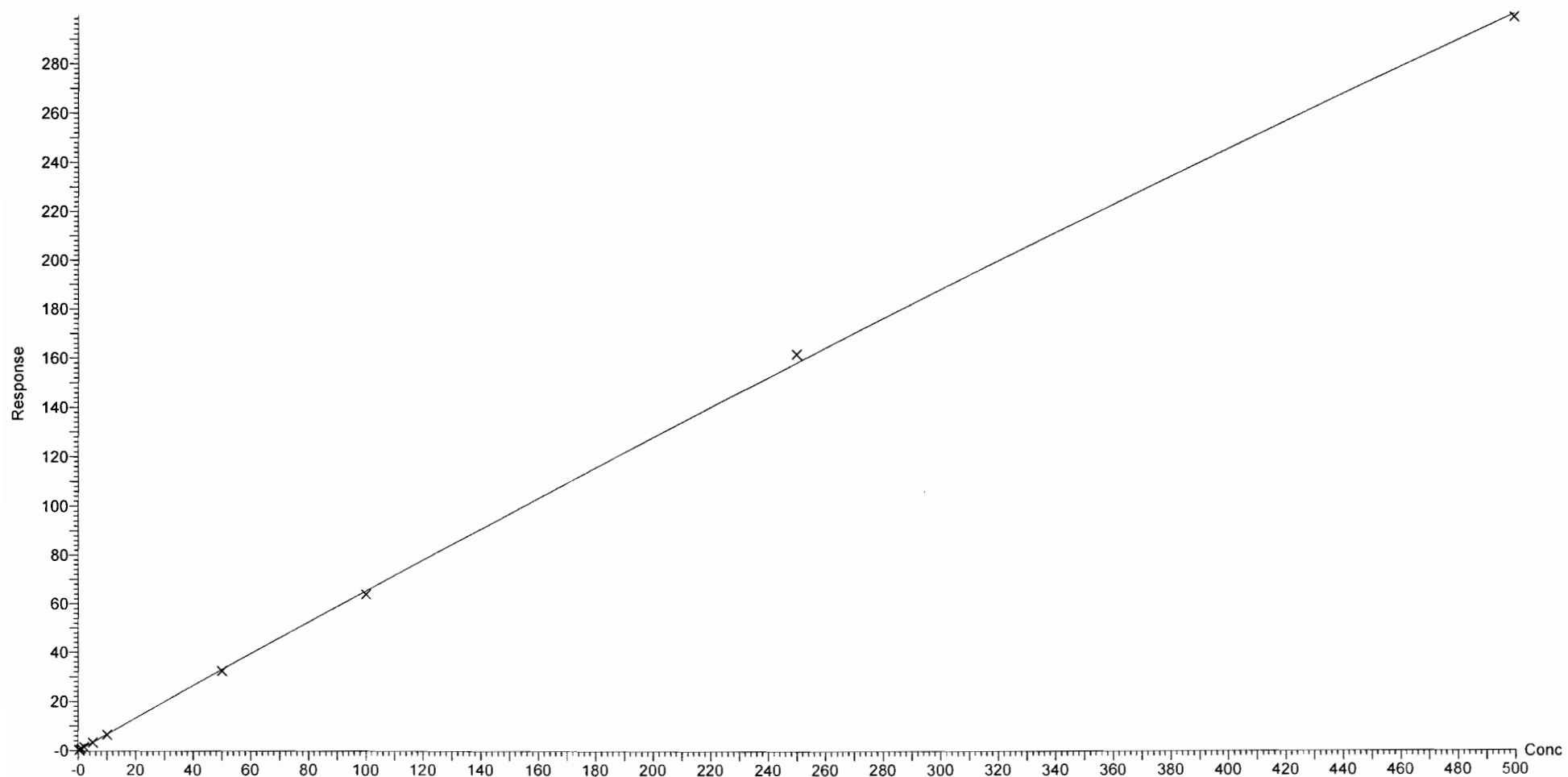
Compound name: PFHxDA

Coefficient of Determination:  $R^2 = 0.999740$

Calibration curve:  $-0.000134784 * x^2 + 0.66615 * x + 0.0546142$

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

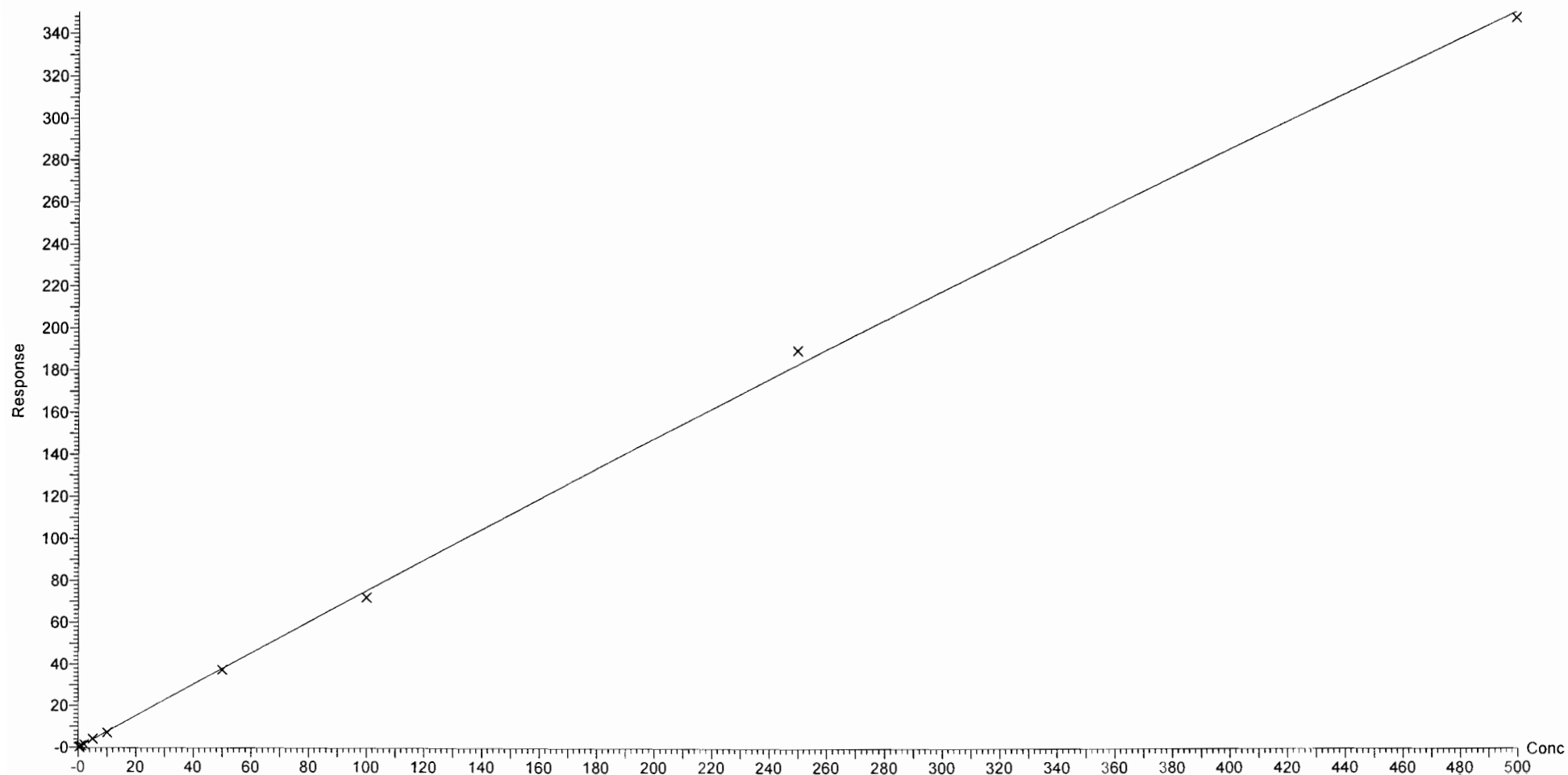
Compound name: PFODA

Coefficient of Determination:  $R^2 = 0.999246$

Calibration curve:  $-0.000128997 * x^2 + 0.764394 * x + 0.0122833$

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

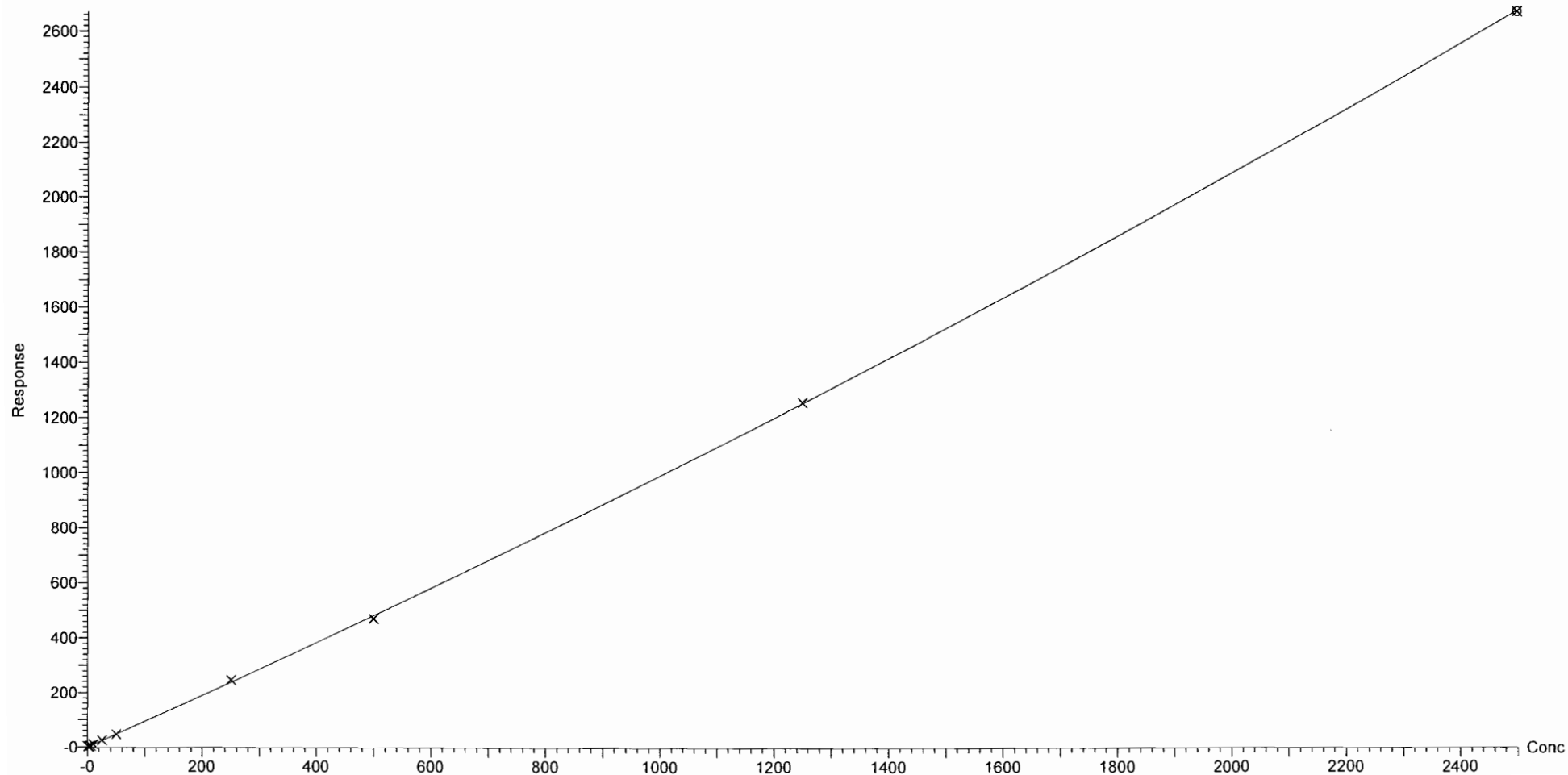
Compound name: N-MeFOSE

Coefficient of Determination:  $R^2 = 0.999661$

Calibration curve:  $5.21489e-005 * x^2 + 0.937354 * x + 0.147332$

Response type: Internal Std ( Ref 58 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:58:55 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:59:43 Pacific Daylight Time

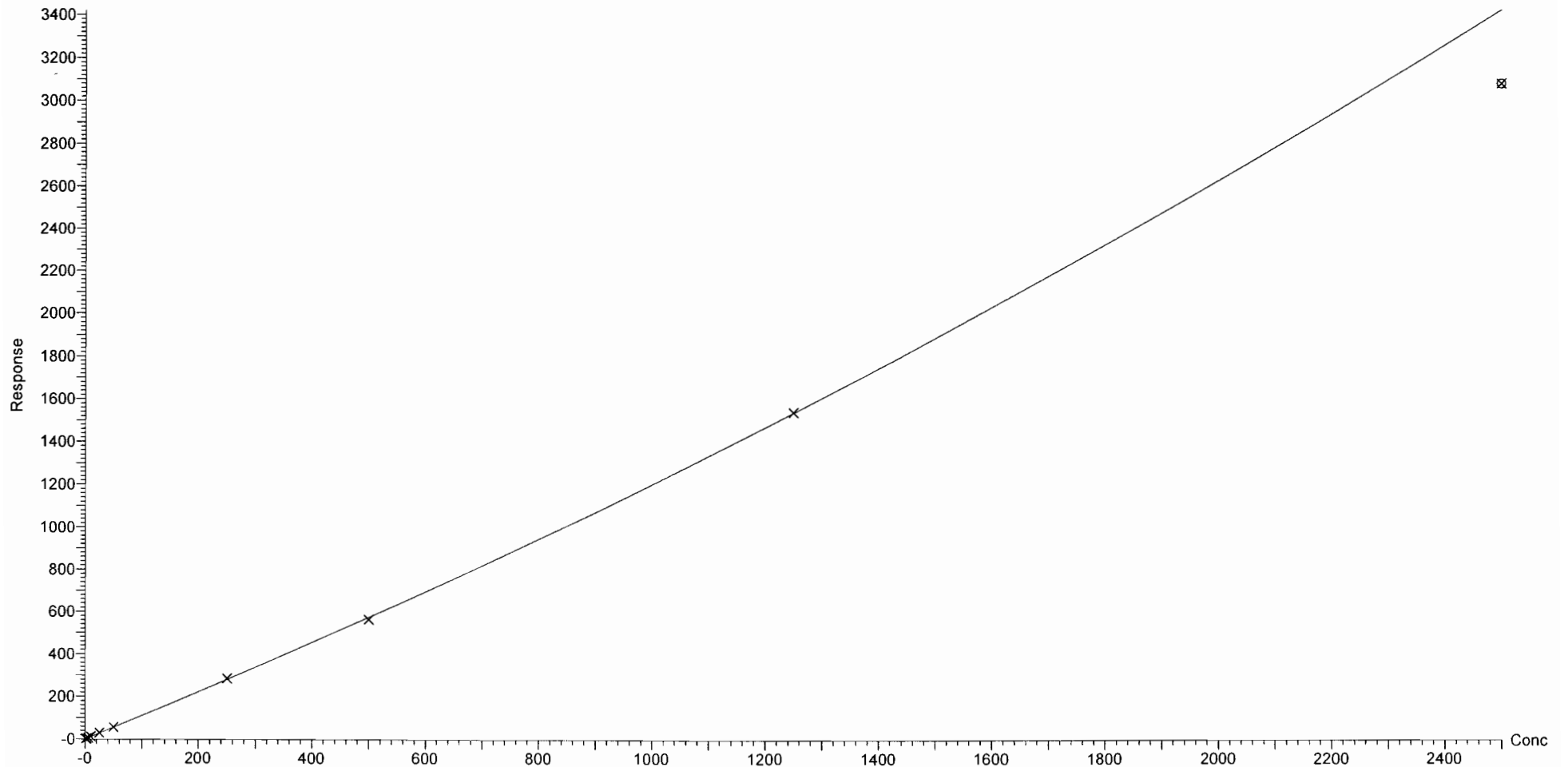
Compound name: N-EtFOSE

Coefficient of Determination:  $R^2 = 0.999844$

Calibration curve:  $0.000111078 * x^2 + 1.0899 * x + 0.234412$

Response type: Internal Std ( Ref 59 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:35:57 Pacific Daylight Time

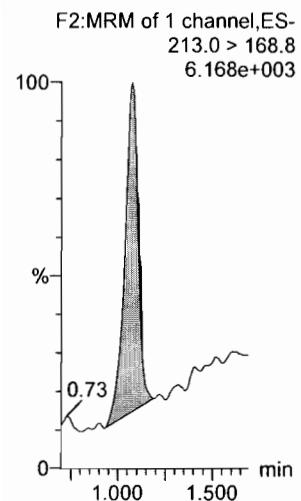
Printed: Sunday, August 19, 2018 11:54:50 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 18 Aug 2018 13:22:04

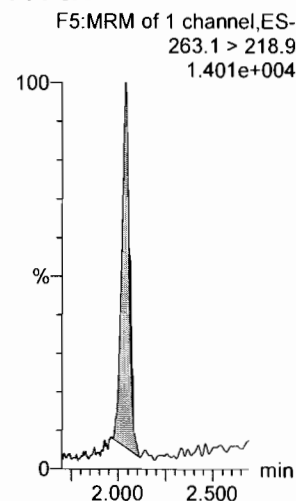
Calibration: 19 Aug 2018 11:35:57

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

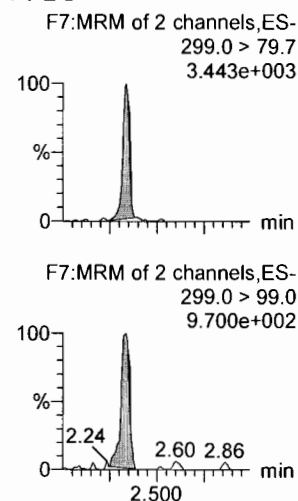
**PFBA**



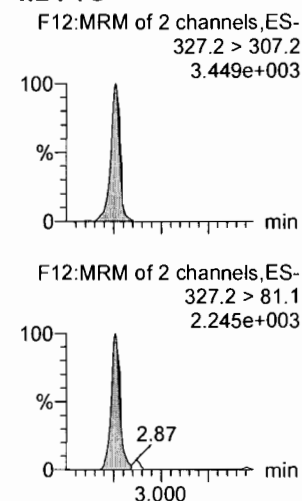
**PFPeA**



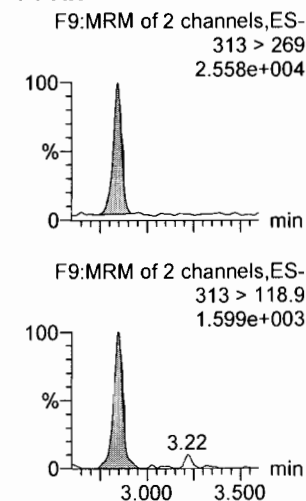
**PFBS**



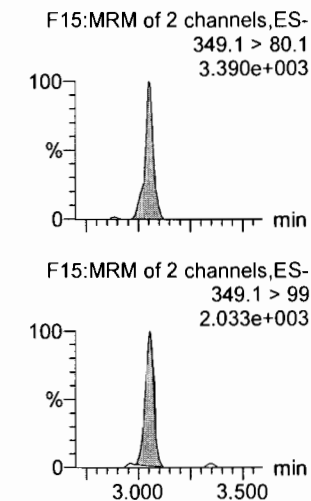
**4:2 FTS**



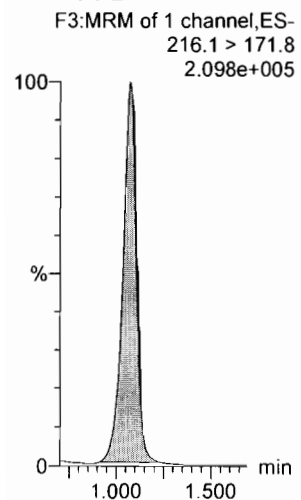
**PFHxA**



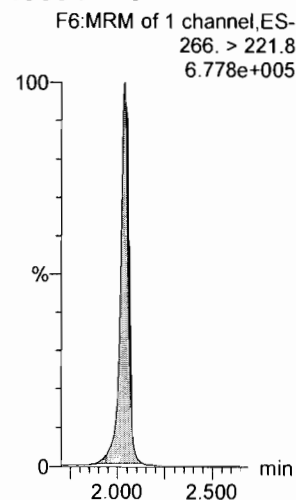
**PFPeS**



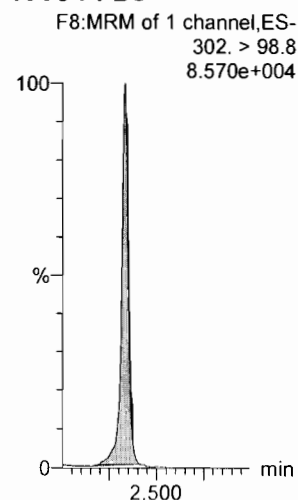
**13C3-PFBA**



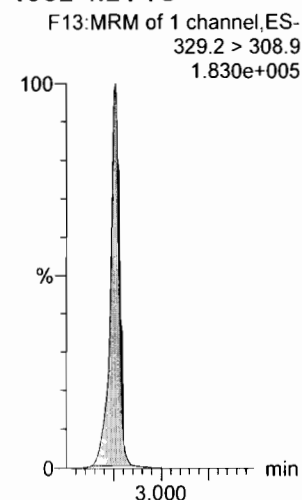
**13C3-PFPeA**



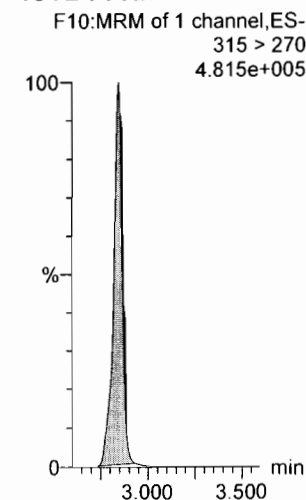
**13C3-PFBS**



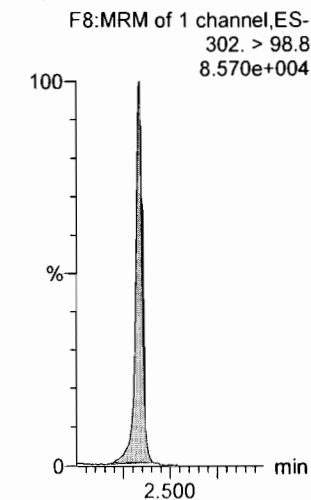
**13C2-4:2 FTS**



**13C2-PFHxA**



**13C3-PFBS**





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

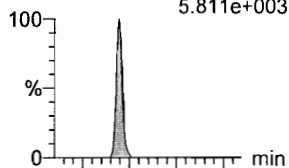
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

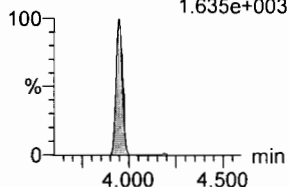
Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
5.811e+003

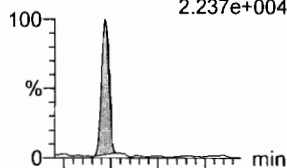


F24:MRM of 2 channels,ES-  
427.1 > 80  
1.635e+003

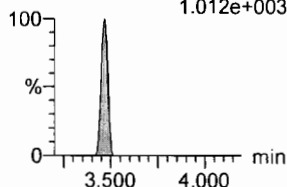


**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
2.237e+004

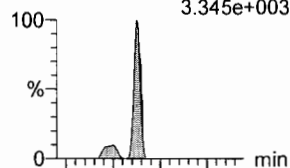


F16:MRM of 2 channels,ES-  
363.0 > 169.0  
1.012e+003

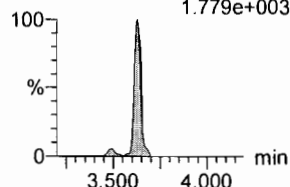


**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
3.345e+003

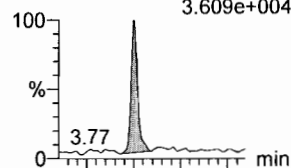


F18:MRM of 2 channels,ES-  
398.9 > 99.0  
1.779e+003

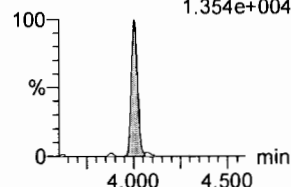


**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
3.609e+004

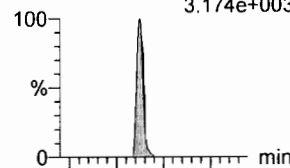


F21:MRM of 2 channels,ES-  
412.9 > 169  
1.354e+004

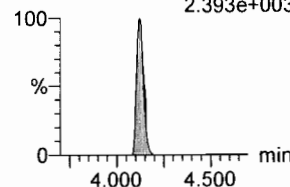


**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
3.174e+003

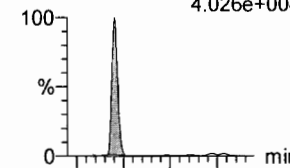


F26:MRM of 2 channels,ES-  
449 > 98.7  
2.393e+003

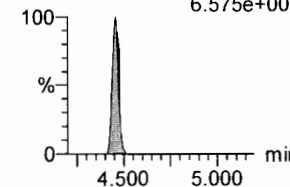


**PFNA**

F27:MRM of 2 channels,ES-  
463.0 > 418.8  
4.026e+004

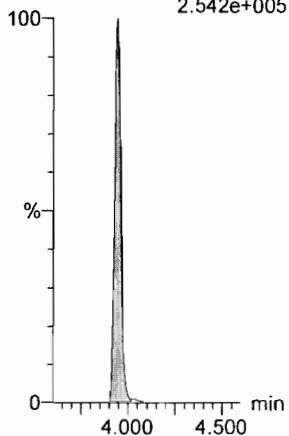


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
6.575e+003



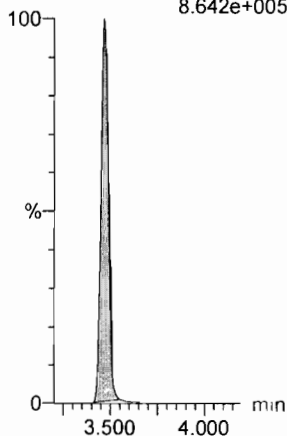
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.542e+005



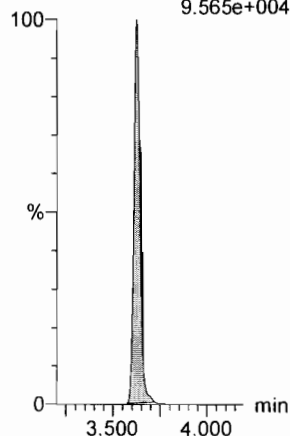
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
8.642e+005



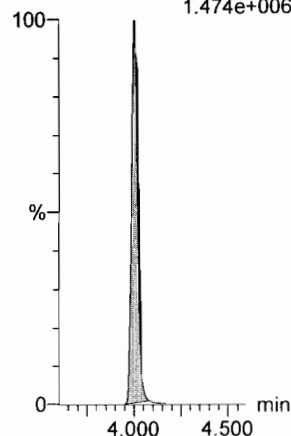
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
9.565e+004



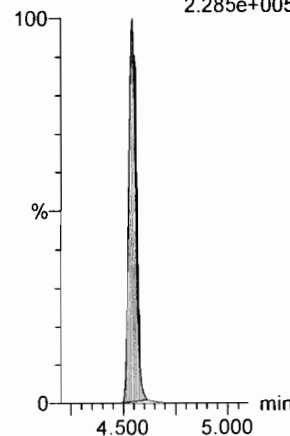
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.474e+006



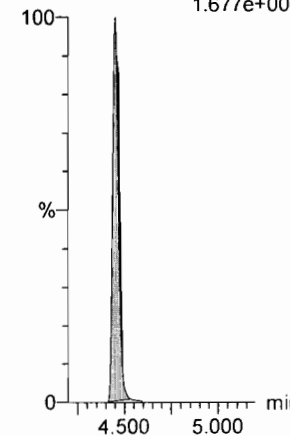
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.285e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.677e+006

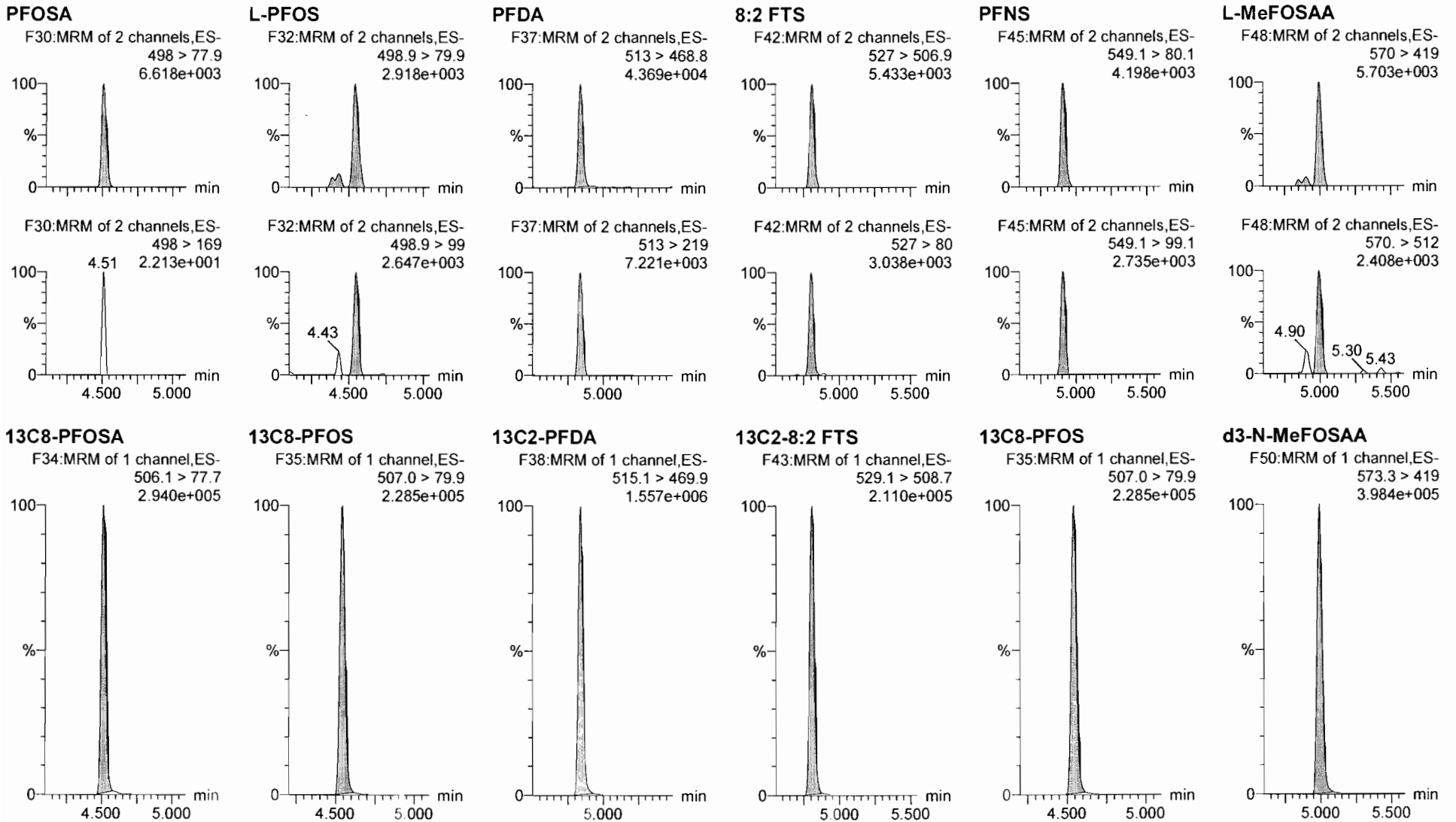


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

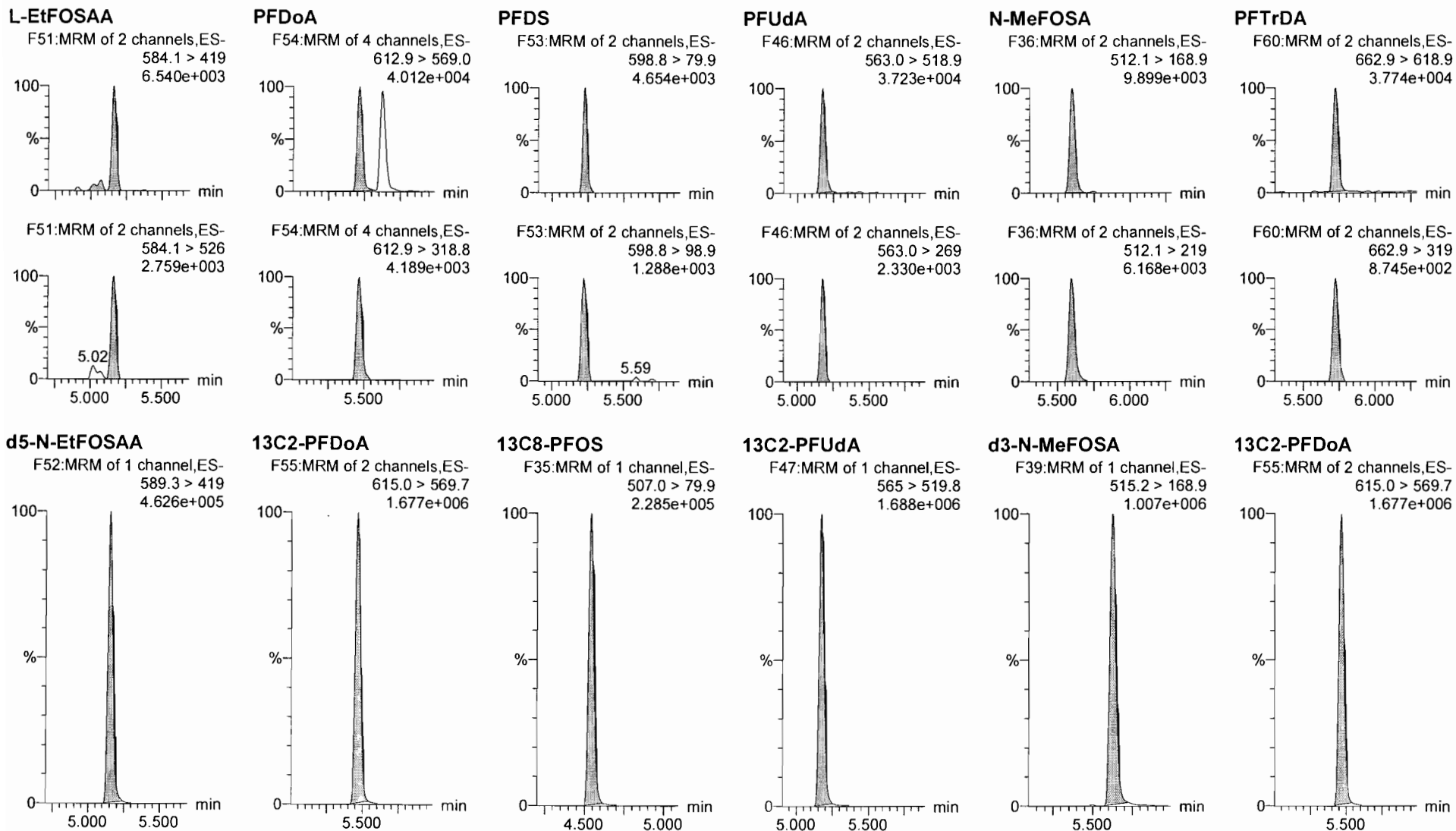


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

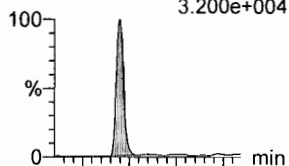
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

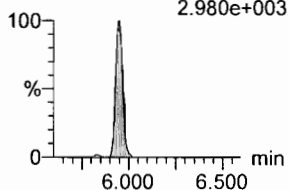
Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

**PFTeDA**

F61:MRM of 2 channels,ES-  
712.8 > 669.0  
3.200e+004

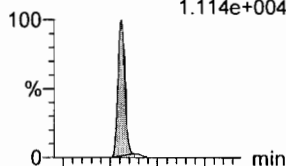


F61:MRM of 2 channels,ES-  
712.8 > 368.9  
2.980e+003

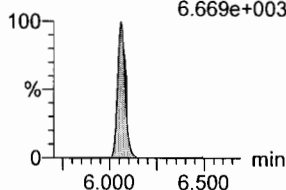


**N-EtFOFA**

F41:MRM of 2 channels,ES-  
526.1 > 168.9  
1.114e+004

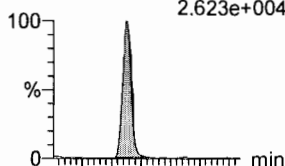


F41:MRM of 2 channels,ES-  
526.1 > 219  
6.669e+003

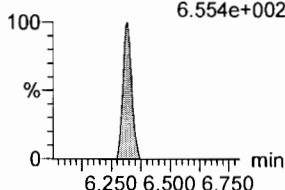


**PFHxDA**

F63:MRM of 2 channels,ES-  
813.1 > 768.6  
2.623e+004

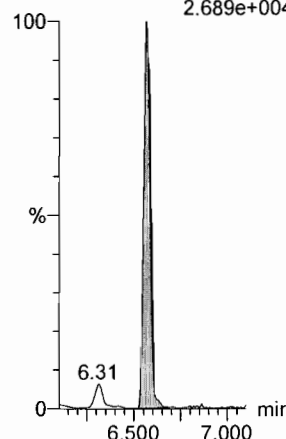


F63:MRM of 2 channels,ES-  
813.1 > 219  
6.554e+002



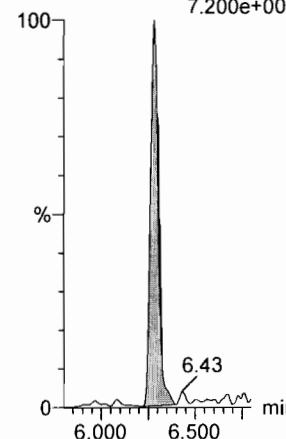
**PFODA**

F65:MRM of 1 channel,ES-  
913.1 > 868.8  
2.689e+004



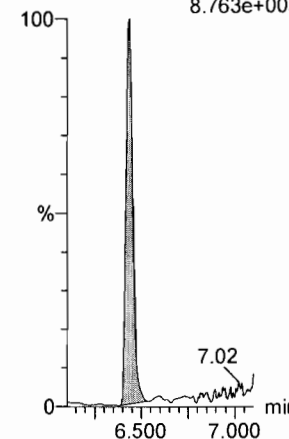
**N-MeFOSE**

F56:MRM of 1 channel,ES-  
616.1 > 58.9  
7.200e+003



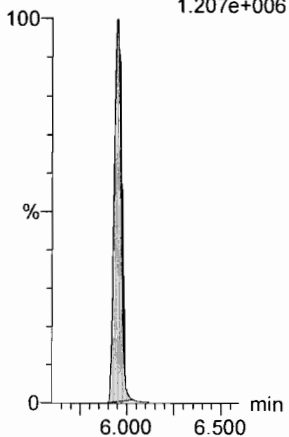
**N-EtFOSE**

F58:MRM of 1 channel,ES-  
630.1 > 58.9  
8.763e+003



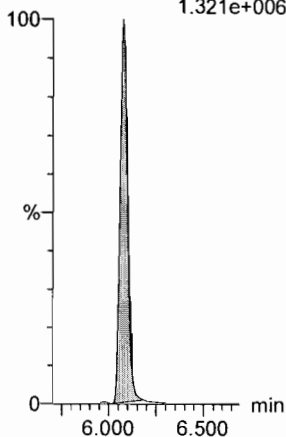
**13C2-PFTeDA**

F62:MRM of 2 channels,ES-  
714.8 > 669.6  
1.207e+006



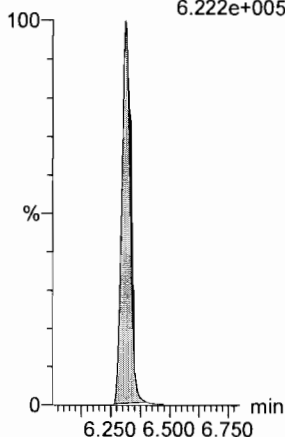
**d5-N-ETFOSA**

F44:MRM of 1 channel,ES-  
531.1 > 168.9  
1.321e+006



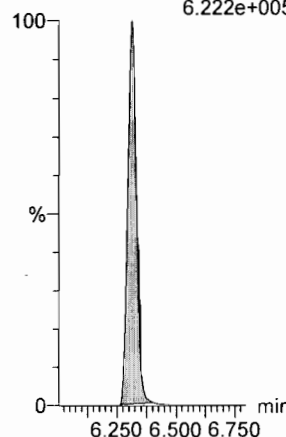
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
6.222e+005



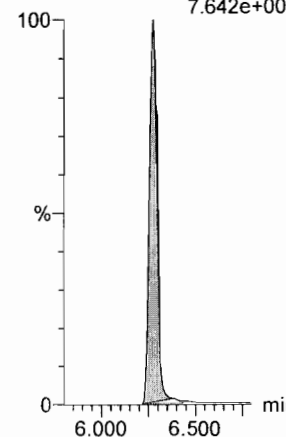
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
6.222e+005



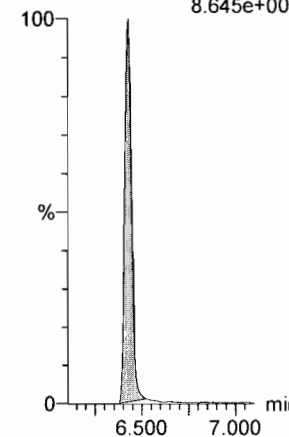
**d7-N-MeFOSE**

F57:MRM of 1 channel,ES-  
623.1 > 58.9  
7.642e+005



**d9-N-EtFOSE**

F59:MRM of 1 channel,ES-  
639.2 > 58.8  
8.645e+005



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

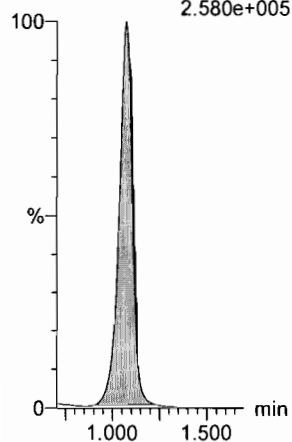
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_2, Date: 18-Aug-2018, Time: 15:14:28, ID: ST180818M2-1 PFC CS-2 18H0901, Description: PFC CS-2 18H0901

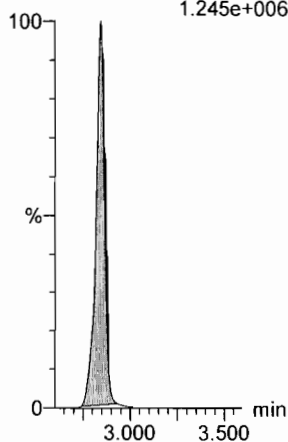
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.580e+005



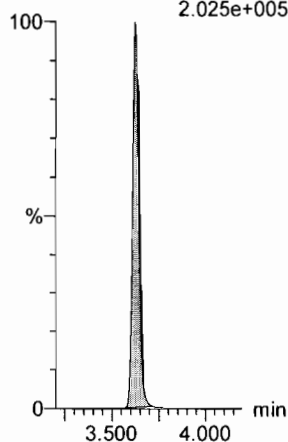
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.245e+006



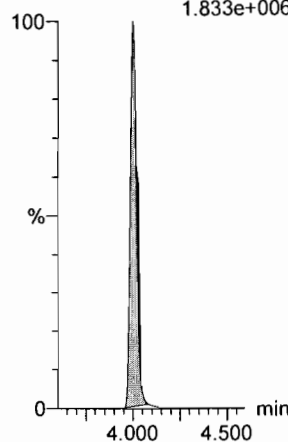
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.025e+005



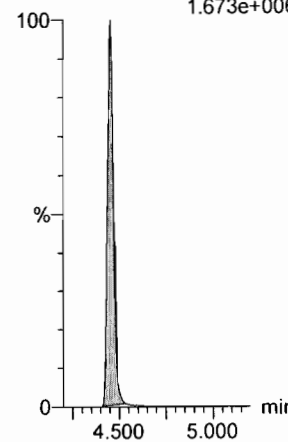
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.833e+006



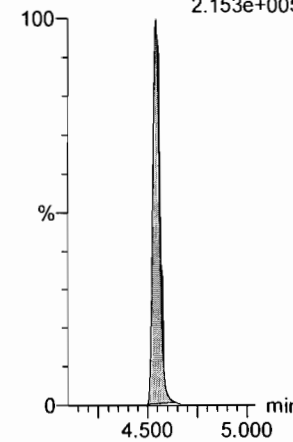
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.673e+006



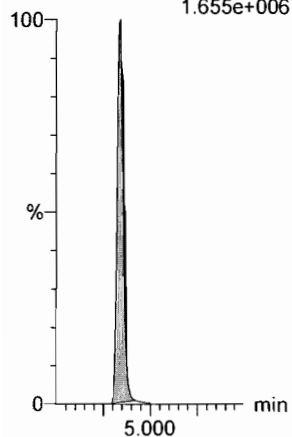
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.153e+005



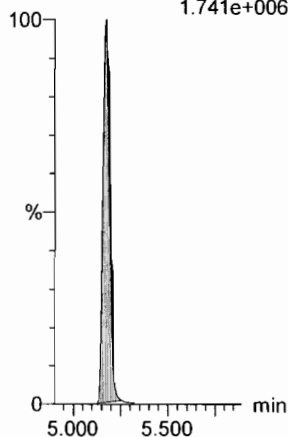
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.655e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.741e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

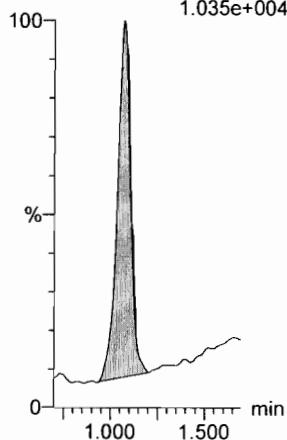
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902

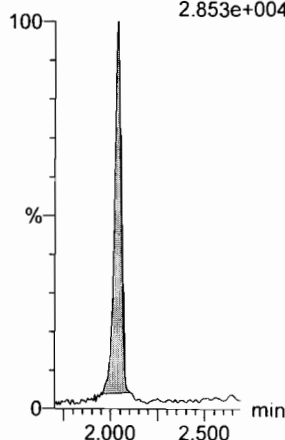
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
1.035e+004



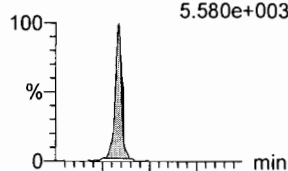
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
2.853e+004

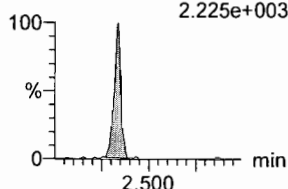


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
5.580e+003

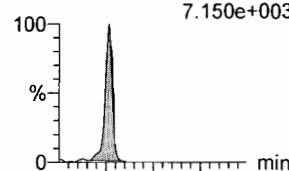


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
2.225e+003

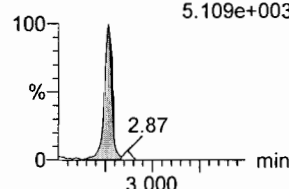


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
7.150e+003

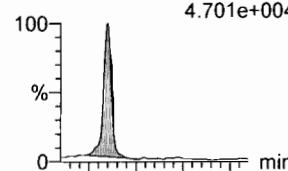


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
5.109e+003

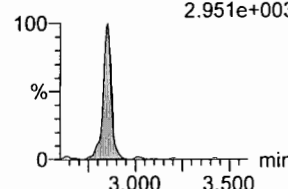


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
4.701e+004

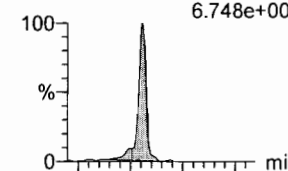


F9:MRM of 2 channels,ES-  
313 > 118.9  
2.951e+003

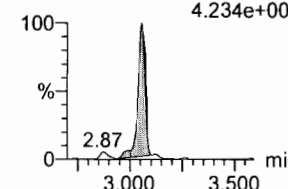


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
6.748e+003

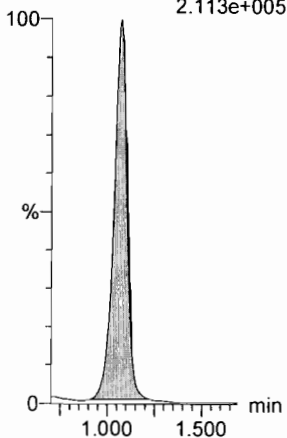


F15:MRM of 2 channels,ES-  
349.1 > 99  
4.234e+003



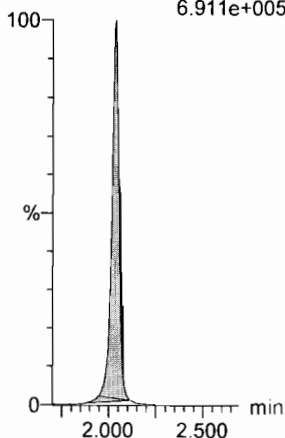
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
2.113e+005



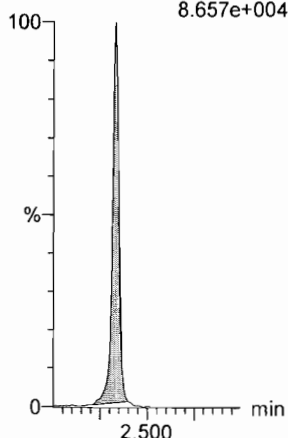
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.911e+005



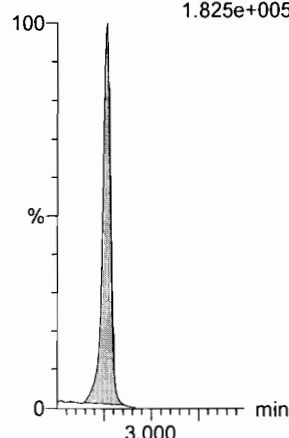
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.657e+004



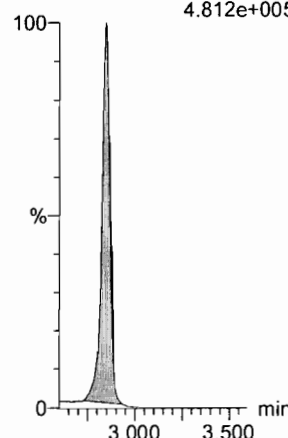
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.825e+005



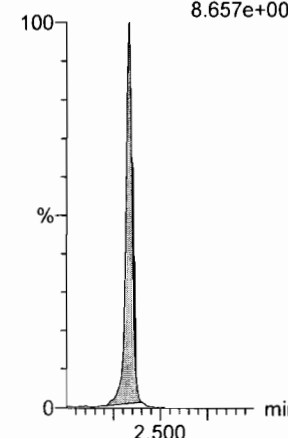
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
4.812e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.657e+004



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

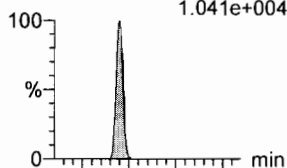
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

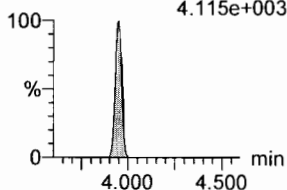
Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902

**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
1.041e+004

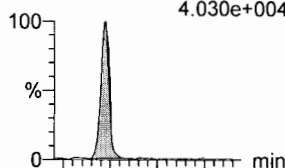


F24:MRM of 2 channels,ES-  
427.1 > 80  
4.115e+003

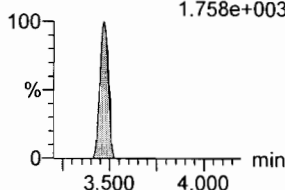


**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
4.030e+004

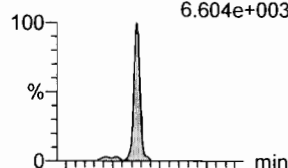


F16:MRM of 2 channels,ES-  
363.0 > 169.0  
1.758e+003

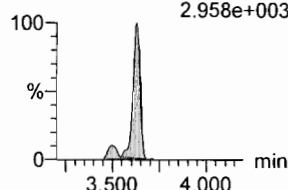


**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
6.604e+003

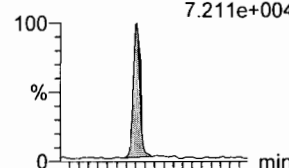


F18:MRM of 2 channels,ES-  
398.9 > 99.0  
2.958e+003

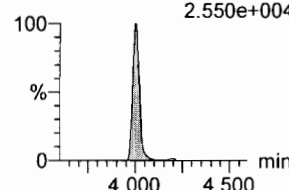


**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
7.211e+004

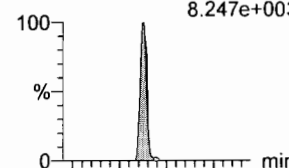


F21:MRM of 2 channels,ES-  
412.9 > 169  
2.550e+004

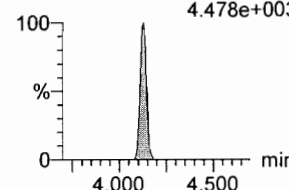


**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
8.247e+003

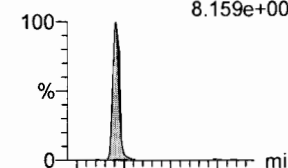


F26:MRM of 2 channels,ES-  
449 > 98.7  
4.478e+003

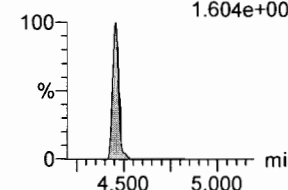


**PFNA**

F27:MRM of 2 channels,ES-  
463.0 > 418.8  
8.159e+004

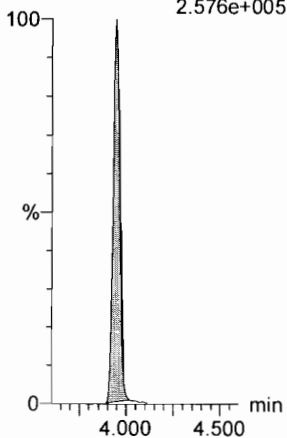


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
1.604e+004



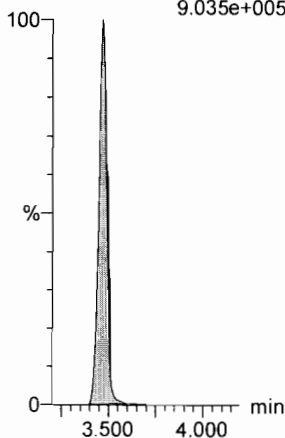
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.576e+005



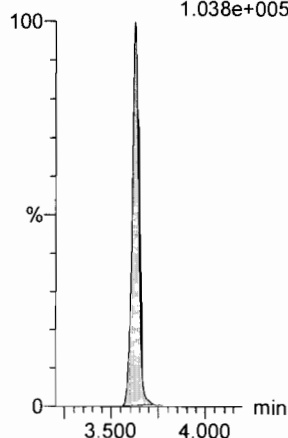
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
9.035e+005



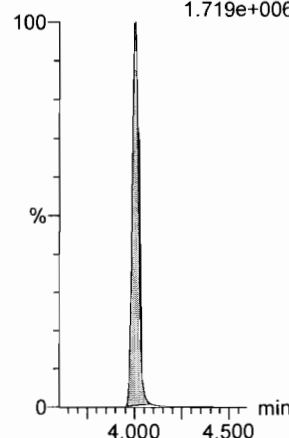
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
1.038e+005



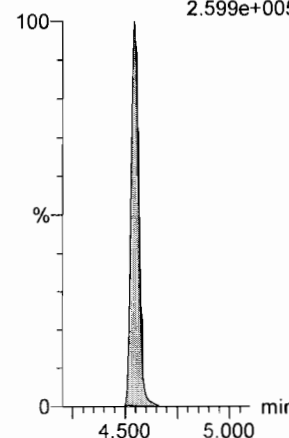
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.719e+006



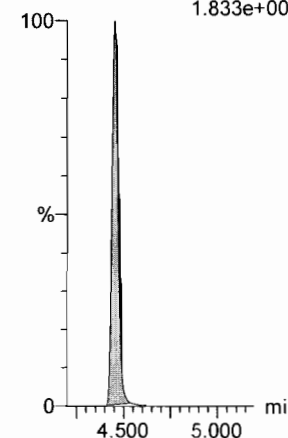
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.599e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.833e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

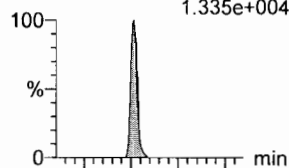
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902

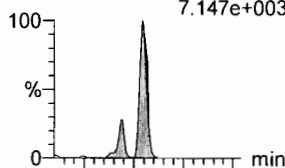
**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
1.335e+004



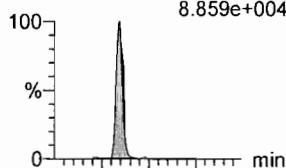
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
7.147e+003



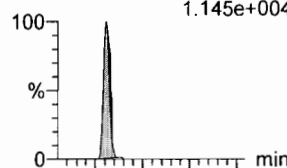
**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
8.859e+004



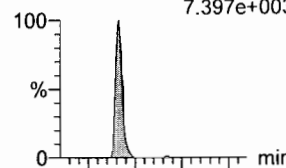
**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
1.145e+004



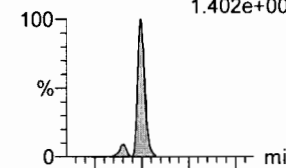
**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
7.397e+003

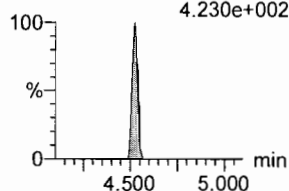


**L-MeFOSAA**

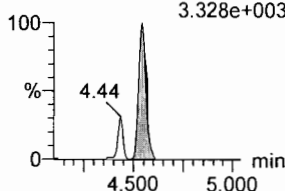
F48:MRM of 2 channels,ES-  
570 > 419  
1.402e+004



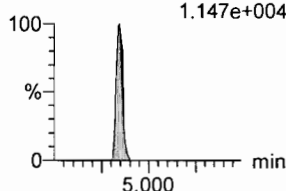
F30:MRM of 2 channels,ES-  
498 > 169  
4.230e+002



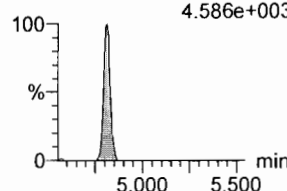
F32:MRM of 2 channels,ES-  
498.9 > 99  
3.328e+003



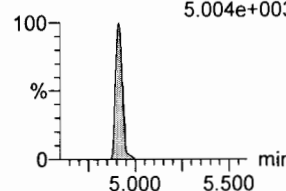
F37:MRM of 2 channels,ES-  
513 > 219  
1.147e+004



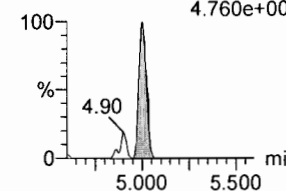
F42:MRM of 2 channels,ES-  
527 > 80  
4.586e+003



F45:MRM of 2 channels,ES-  
549.1 > 99.1  
5.004e+003

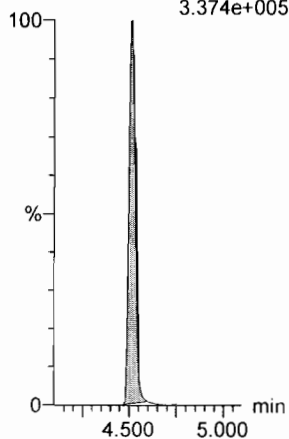


F48:MRM of 2 channels,ES-  
570. > 512  
4.760e+003



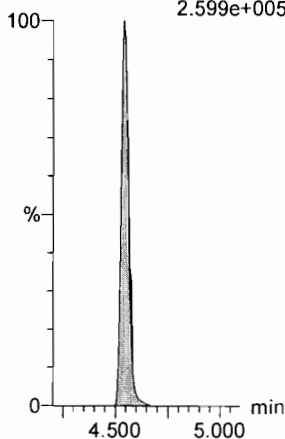
**13C8-PFOA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
3.374e+005



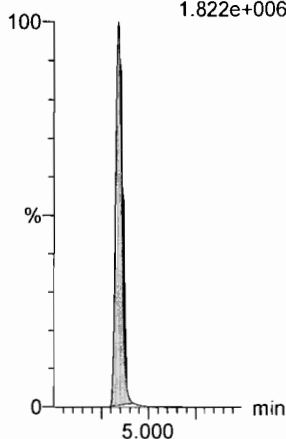
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.599e+005



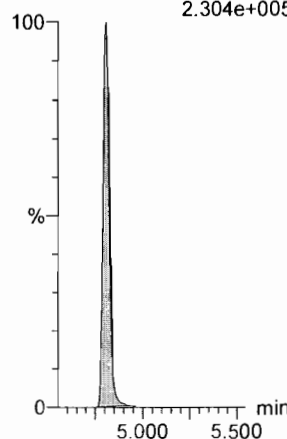
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.822e+006



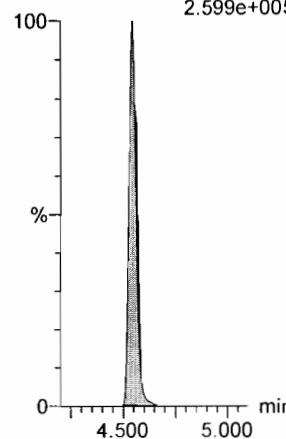
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.304e+005



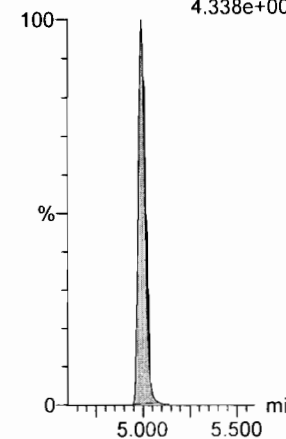
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.599e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
4.338e+005





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

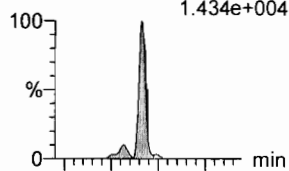
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902

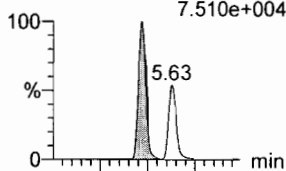
**L-EtFOSAA**

F51:MRM of 2 channels,ES-  
584.1 > 419  
1.434e+004



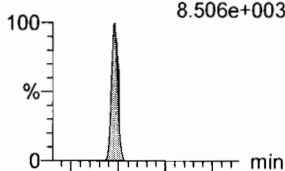
**PFDoA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
7.510e+004



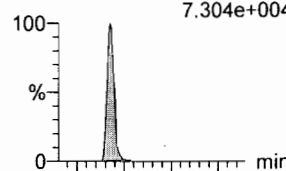
**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
8.506e+003



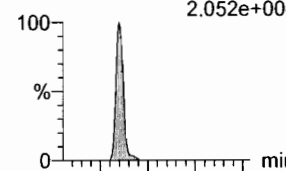
**PFUdA**

F46:MRM of 2 channels,ES-  
563.0 > 518.9  
7.304e+004



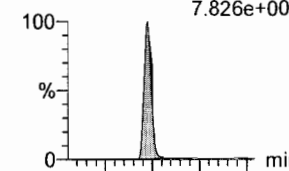
**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
2.052e+004

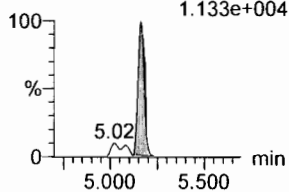


**PFTrDA**

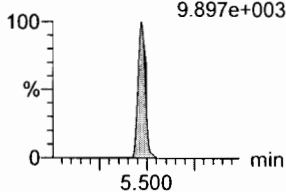
F60:MRM of 2 channels,ES-  
662.9 > 618.9  
7.826e+004



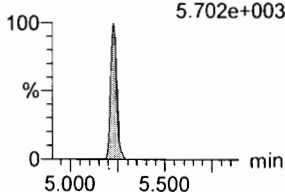
F51:MRM of 2 channels,ES-  
584.1 > 526  
1.133e+004



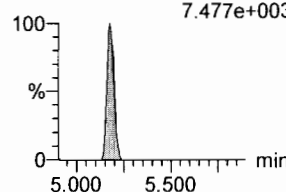
F54:MRM of 4 channels,ES-  
612.9 > 318.8  
9.897e+003



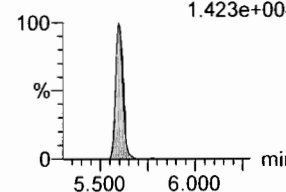
F53:MRM of 2 channels,ES-  
598.8 > 98.9  
5.702e+003



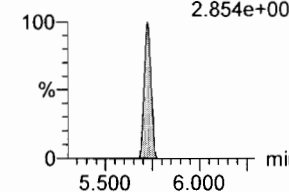
F46:MRM of 2 channels,ES-  
563.0 > 269  
7.477e+003



F36:MRM of 2 channels,ES-  
512.1 > 219  
1.423e+004

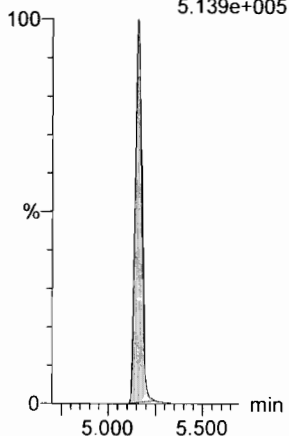


F60:MRM of 2 channels,ES-  
662.9 > 319  
2.854e+003



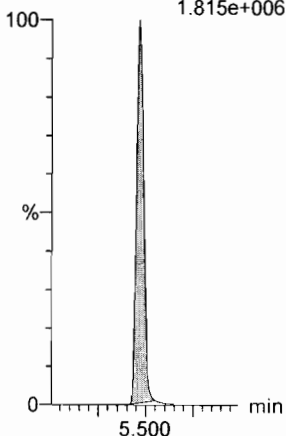
**d5-N-EtFOSAA**

F52:MRM of 1 channel,ES-  
589.3 > 419  
5.139e+005



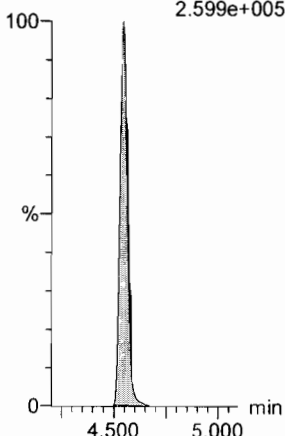
**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.815e+006



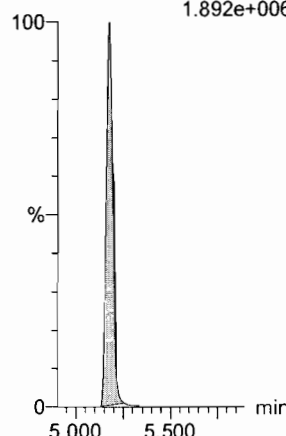
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.599e+005



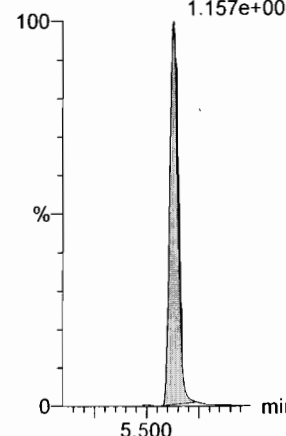
**13C2-PFUdA**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.892e+006



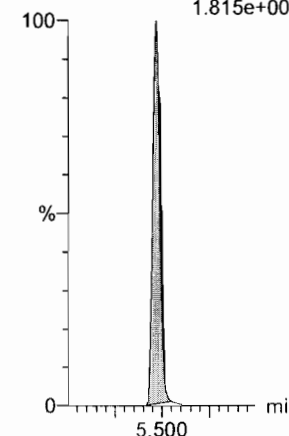
**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
1.157e+006



**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.815e+006

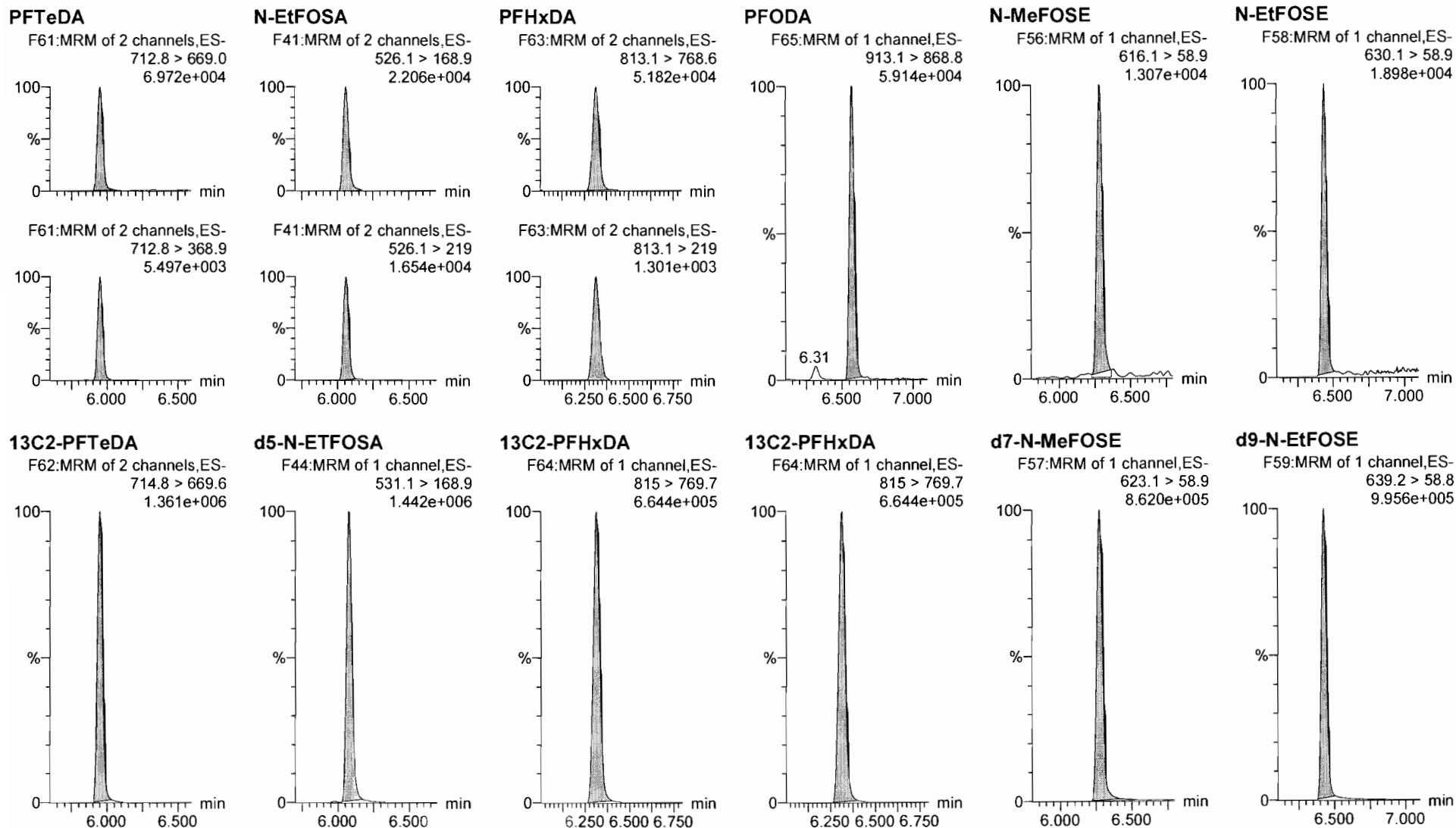


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

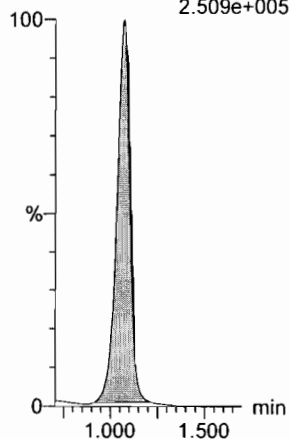
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_3, Date: 18-Aug-2018, Time: 15:25:13, ID: ST180818M2-2 PFC CS-1 18H0902, Description: PFC CS-1 18H0902

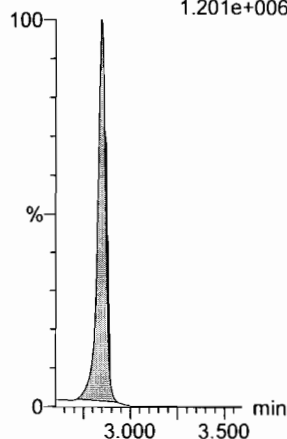
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.509e+005



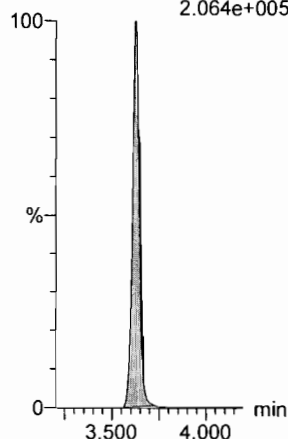
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.201e+006



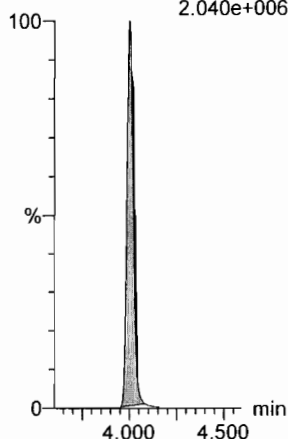
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.064e+005



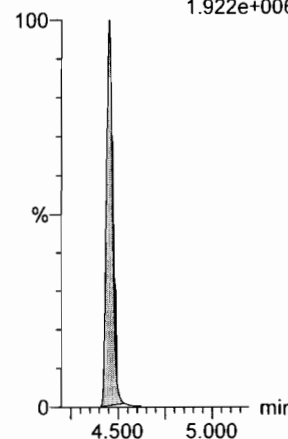
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
2.040e+006



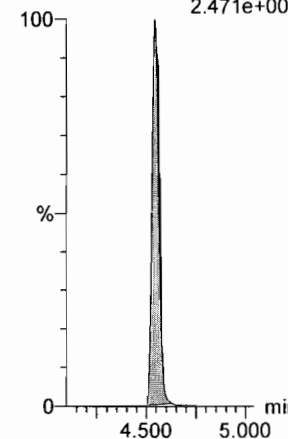
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.922e+006



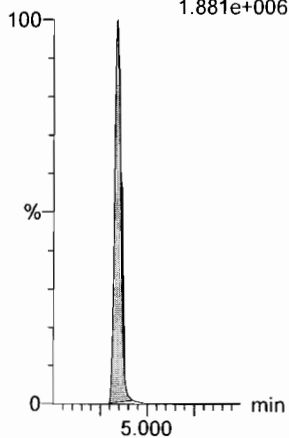
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.471e+005



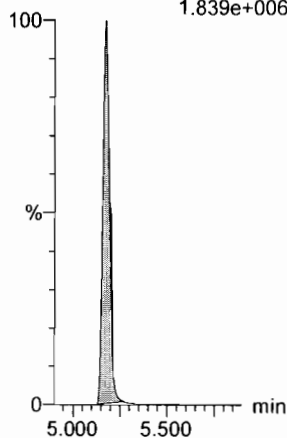
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.881e+006



**13C7-PFuA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.839e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

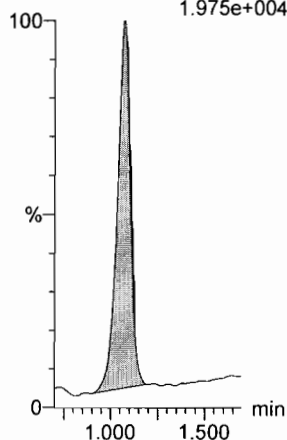
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903

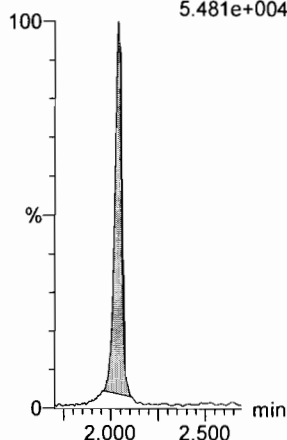
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
1.975e+004



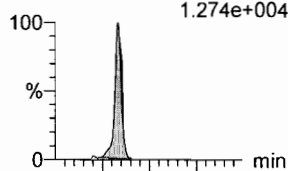
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
5.481e+004

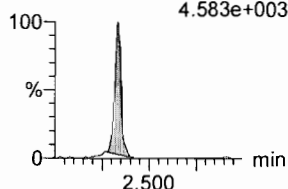


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
1.274e+004

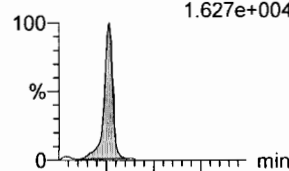


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
4.583e+003

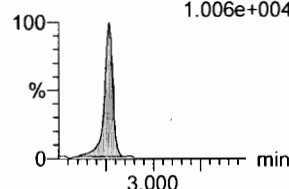


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
1.627e+004

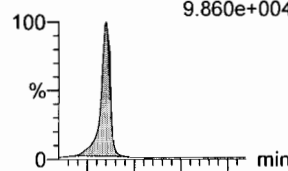


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
1.006e+004

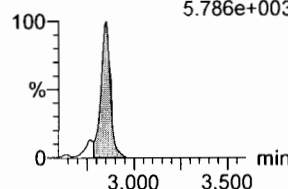


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
9.860e+004

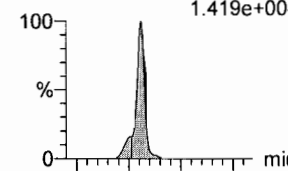


F9:MRM of 2 channels,ES-  
313 > 118.9  
5.786e+003

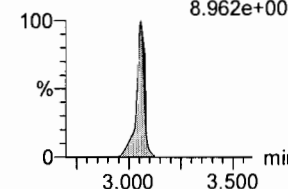


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
1.419e+004

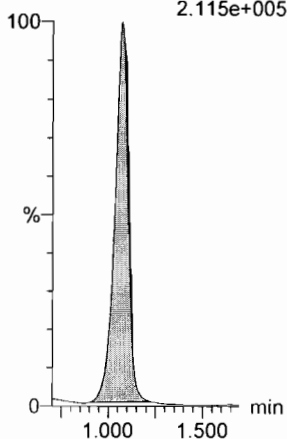


F15:MRM of 2 channels,ES-  
349.1 > 99  
8.962e+003



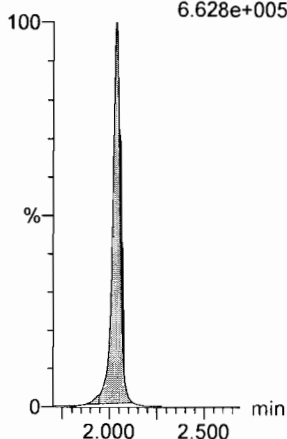
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
2.115e+005



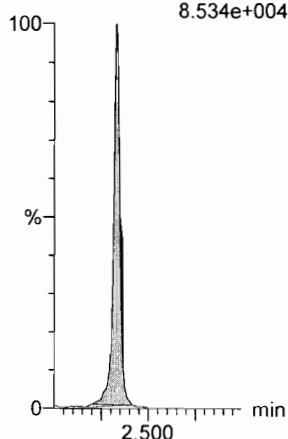
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.628e+005



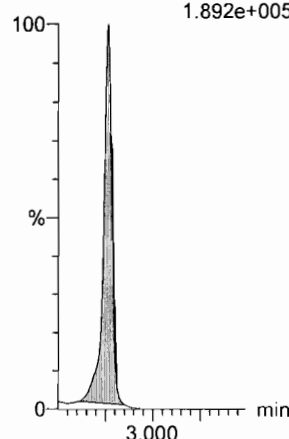
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.534e+004



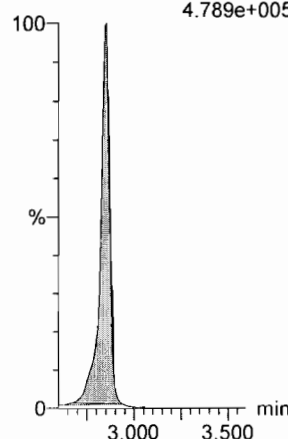
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.892e+005



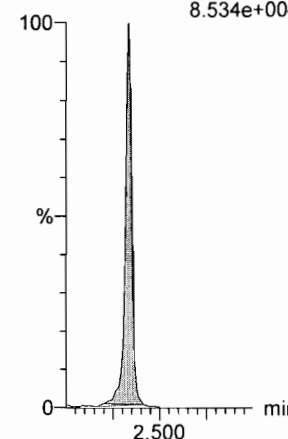
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
4.789e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.534e+004

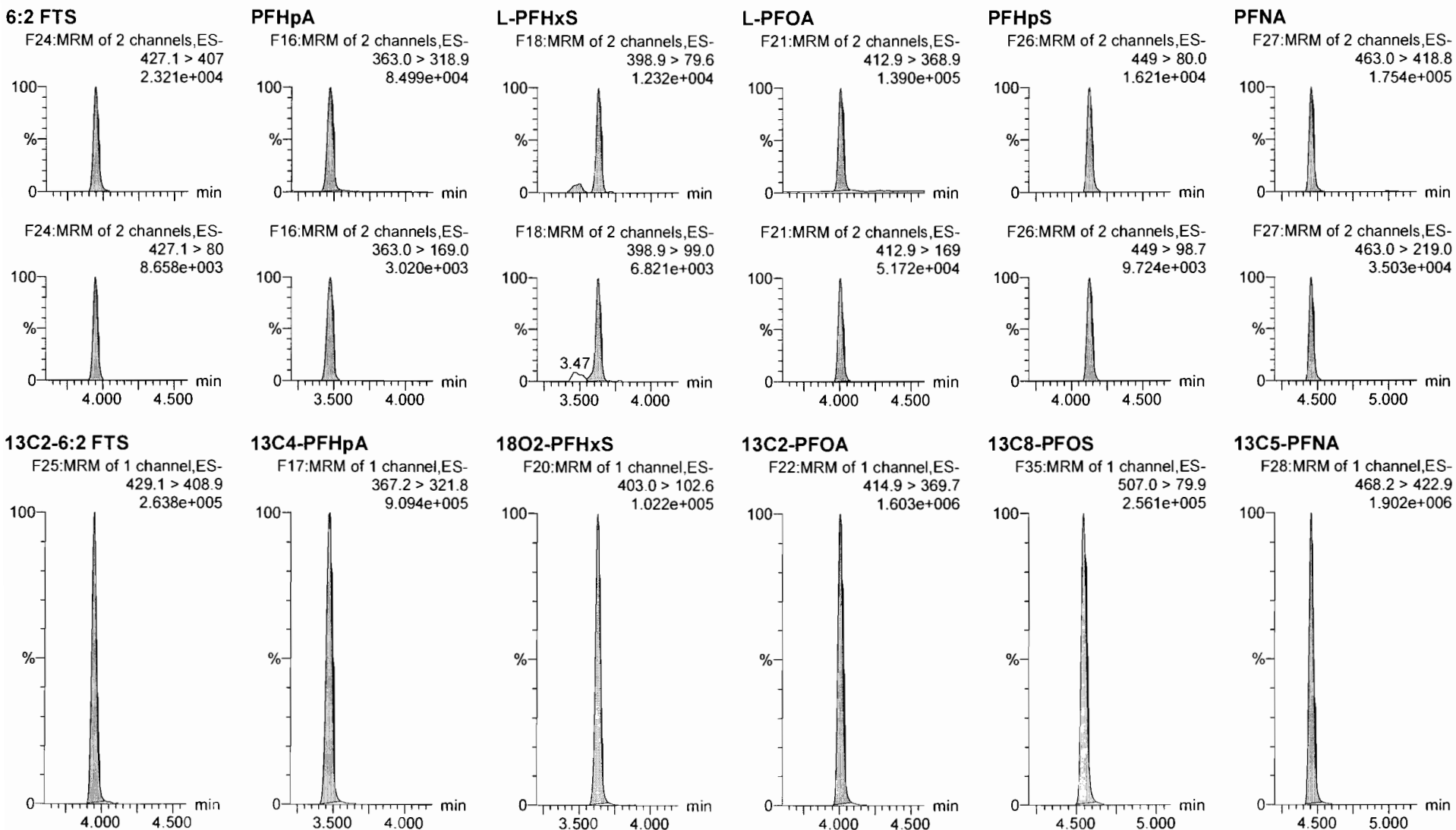


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903



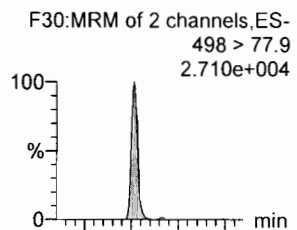
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

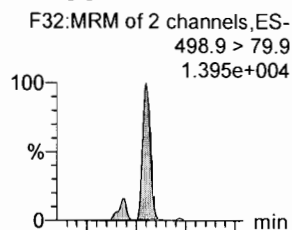
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903

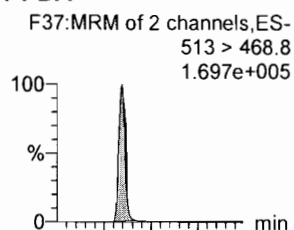
**PFOSA**



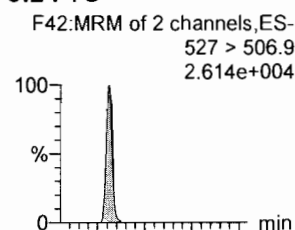
**L-PFOS**



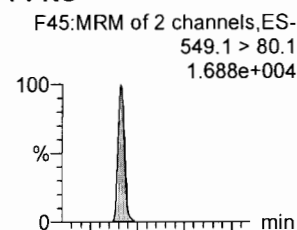
**PFDA**



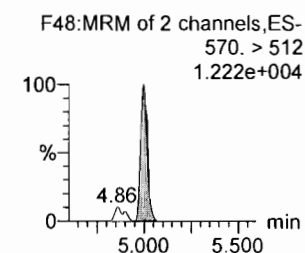
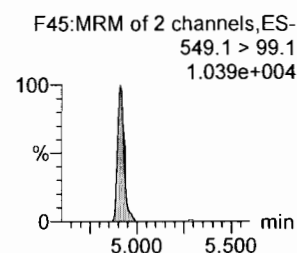
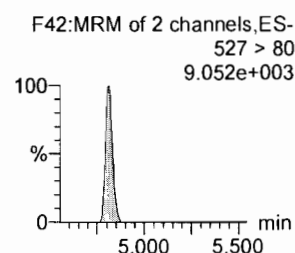
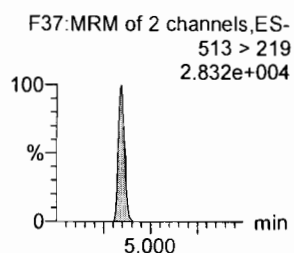
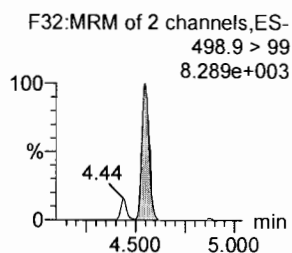
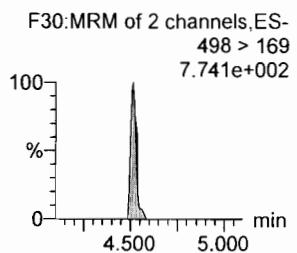
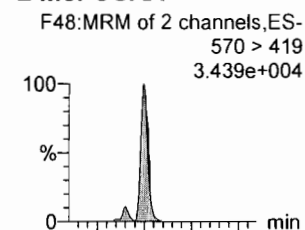
**8:2 FTS**



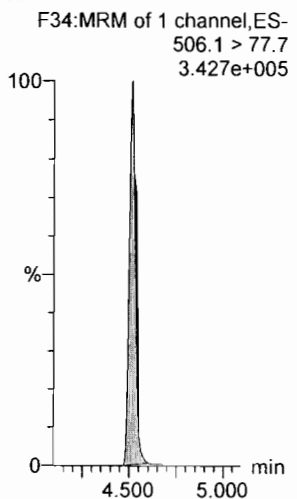
**PFNS**



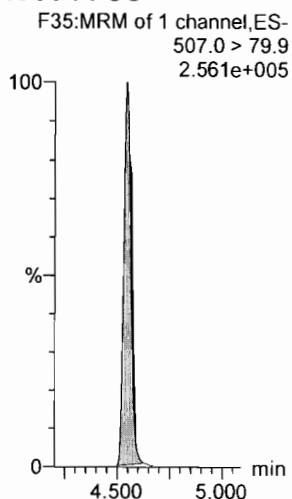
**L-MeFOSAA**



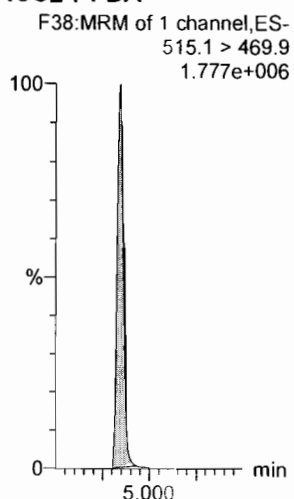
**13C8-PFOSA**



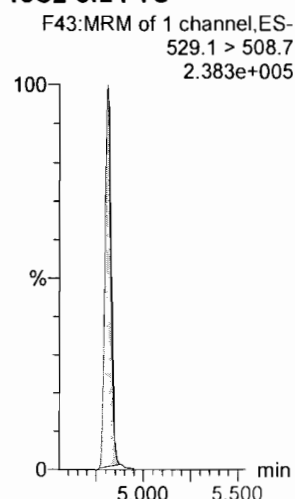
**13C8-PFOS**



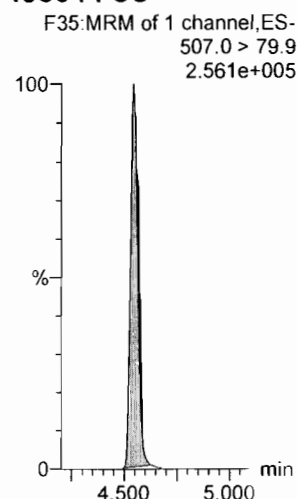
**13C2-PFDA**



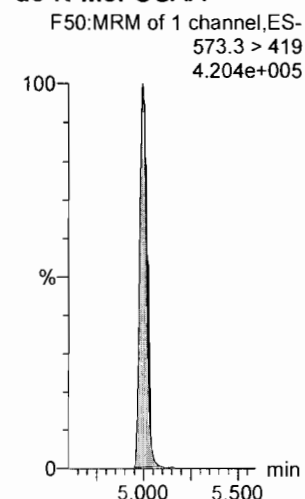
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**

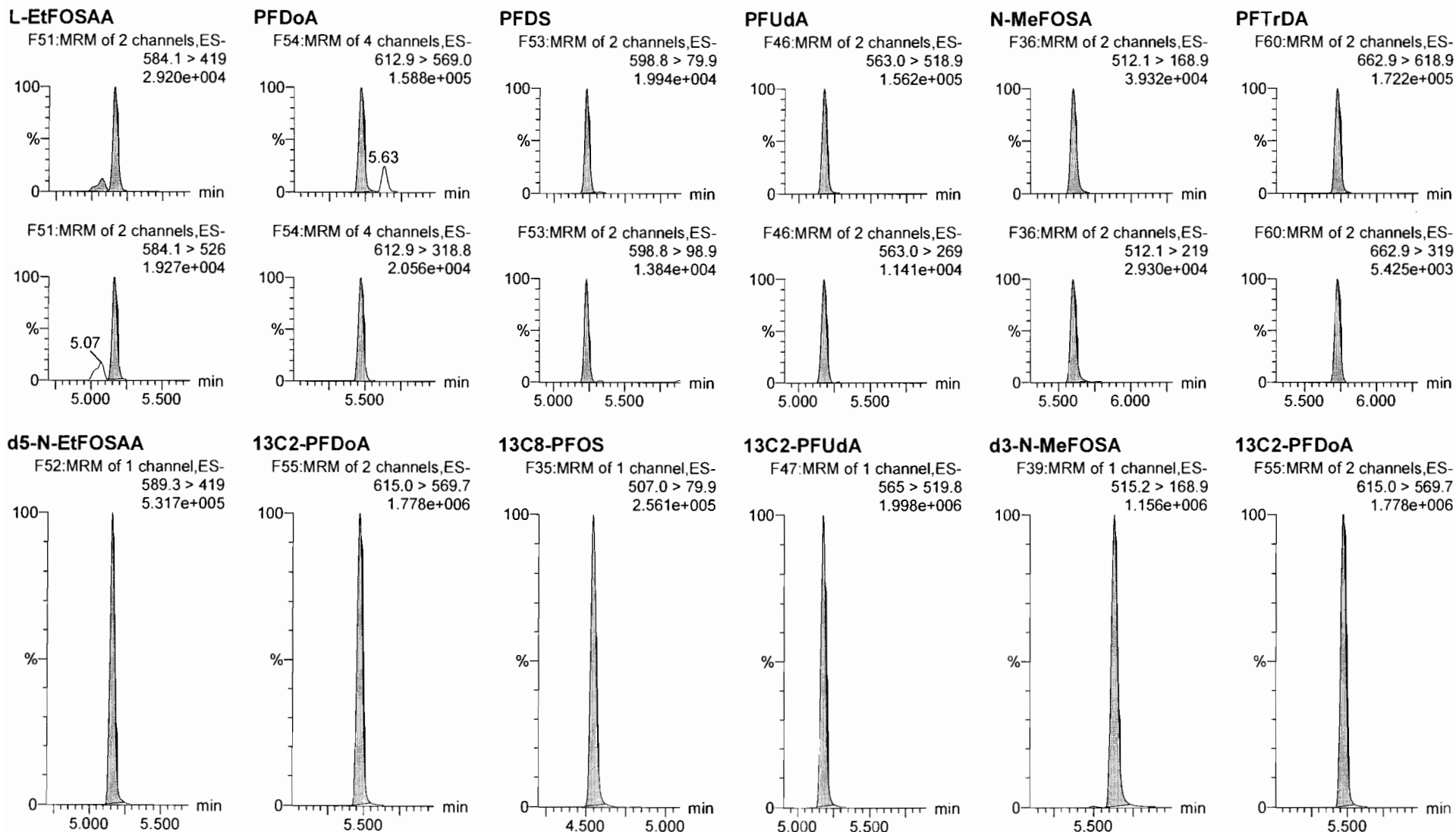


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

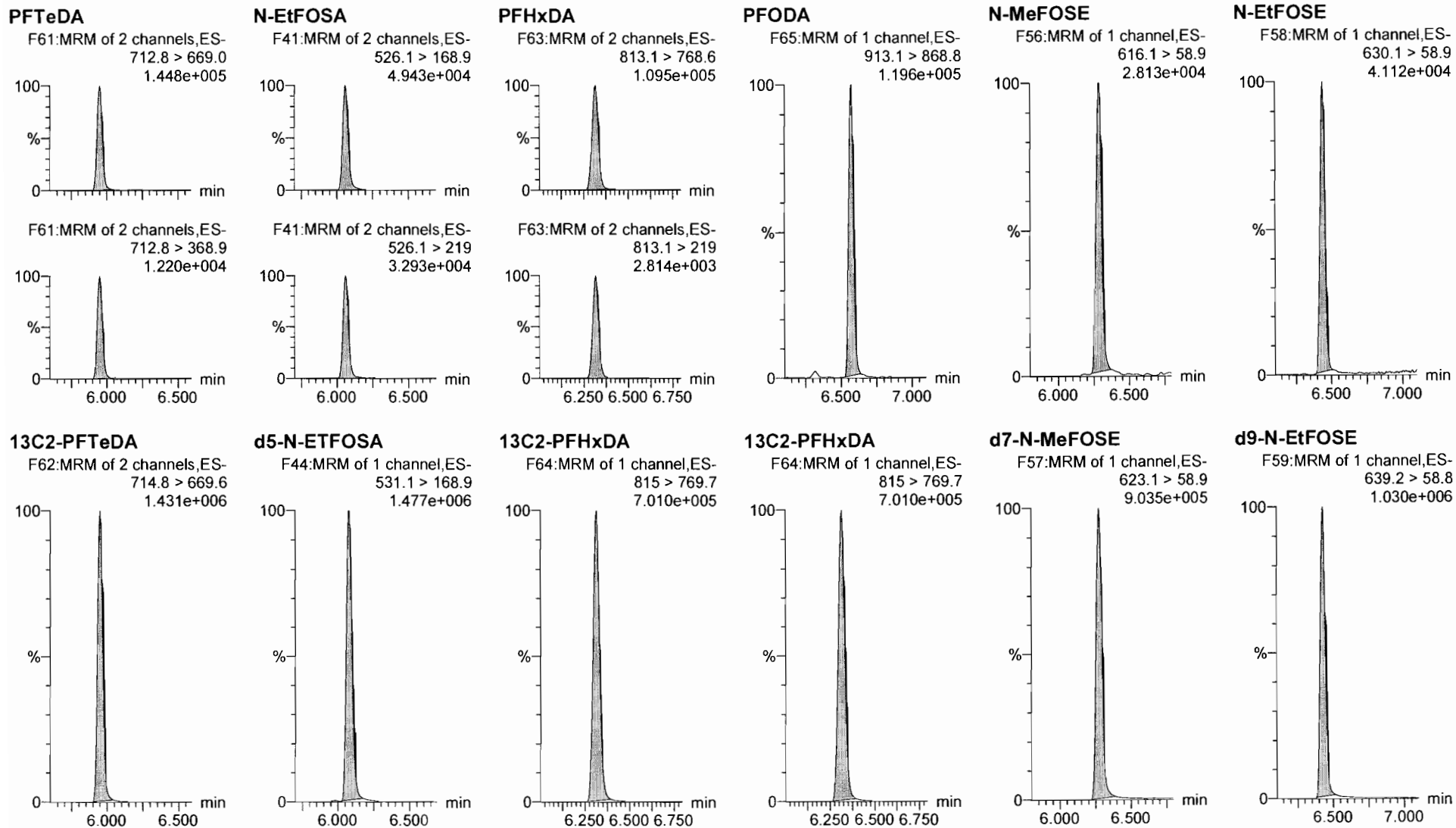
Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time  
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903



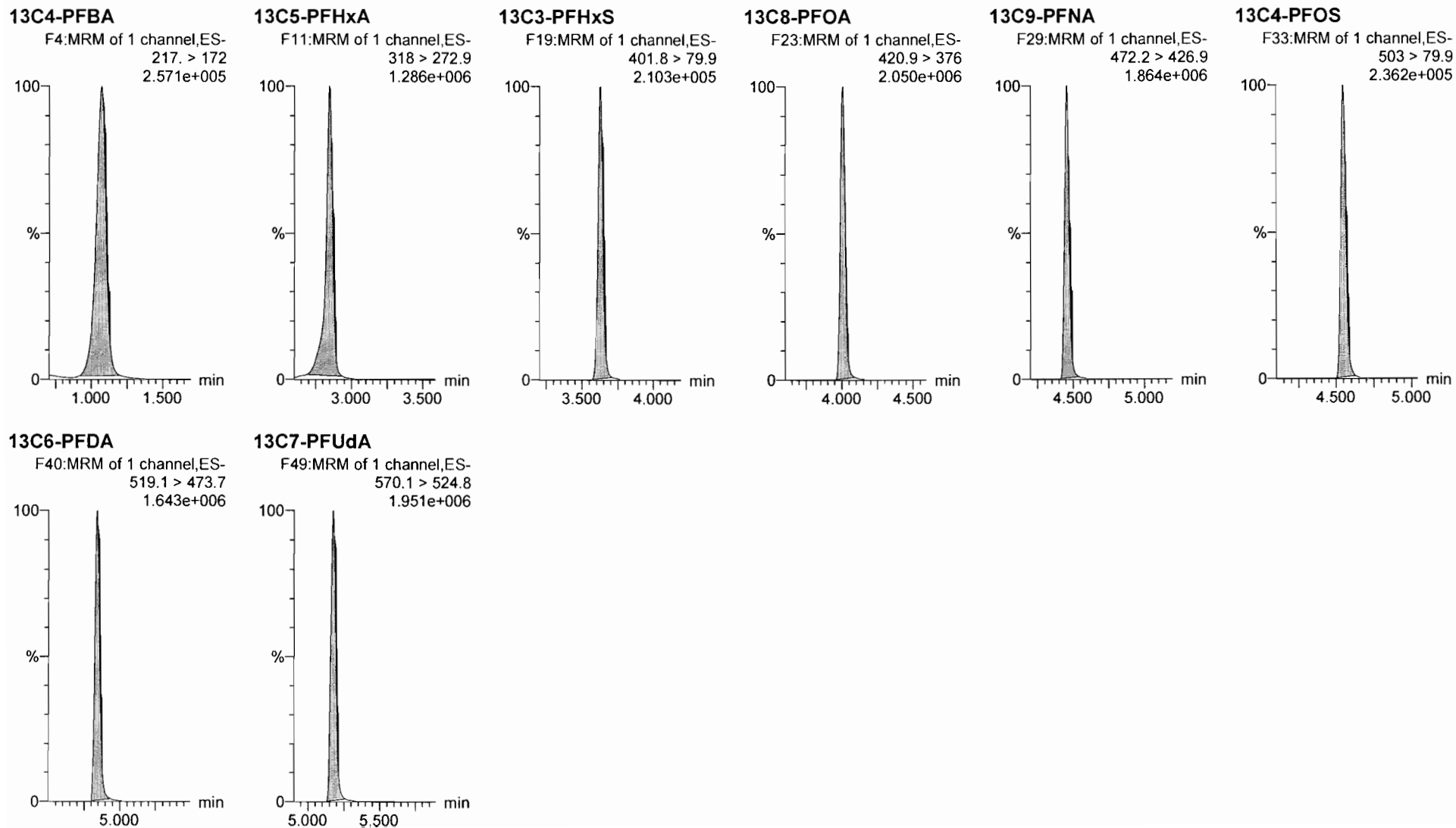


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_4, Date: 18-Aug-2018, Time: 15:35:53, ID: ST180818M2-3 PFC CS0 18H0903, Description: PFC CS0 18H0903



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

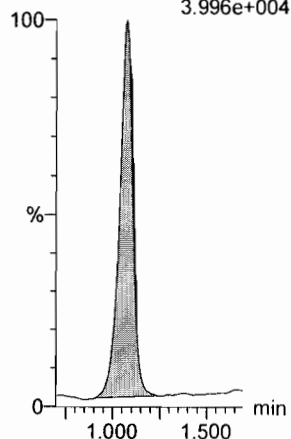
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

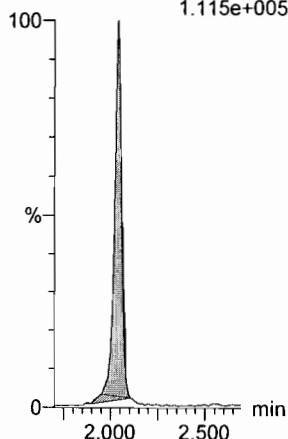
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
3.996e+004



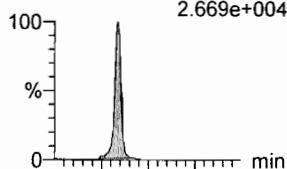
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
1.115e+005

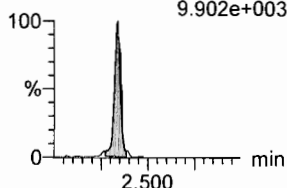


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
2.669e+004

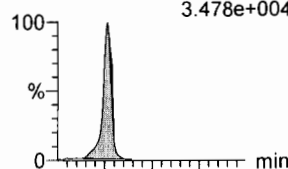


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
9.902e+003

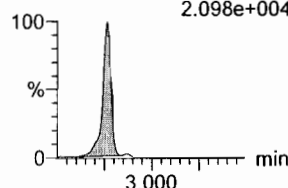


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
3.478e+004

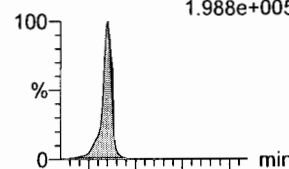


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
2.098e+004

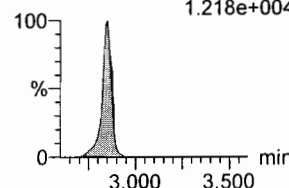


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
1.988e+005

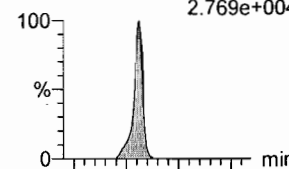


F9:MRM of 2 channels,ES-  
313 > 118.9  
1.218e+004

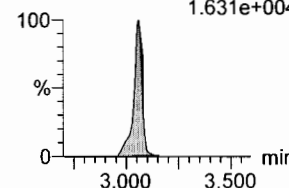


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
2.769e+004

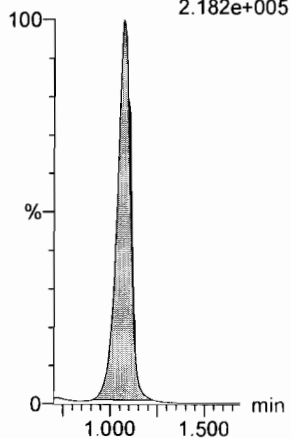


F15:MRM of 2 channels,ES-  
349.1 > 99  
1.631e+004



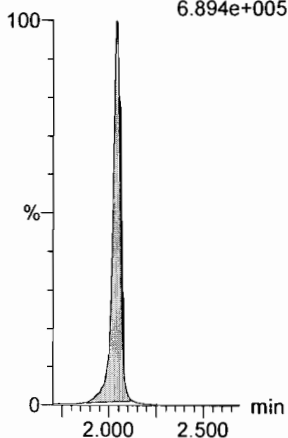
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
2.182e+005



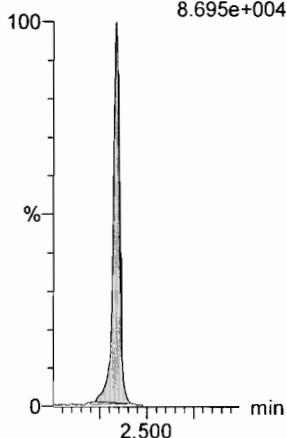
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.894e+005



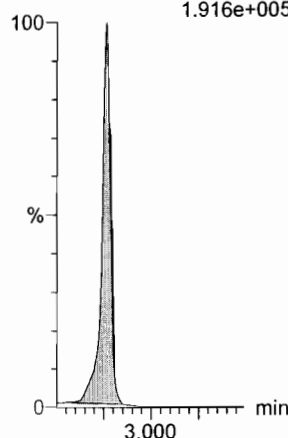
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.695e+004



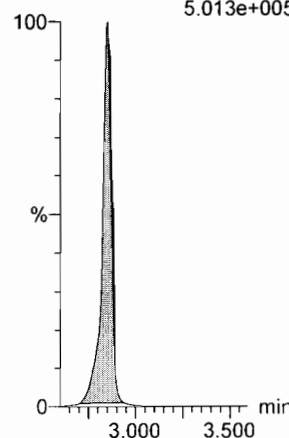
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.916e+005



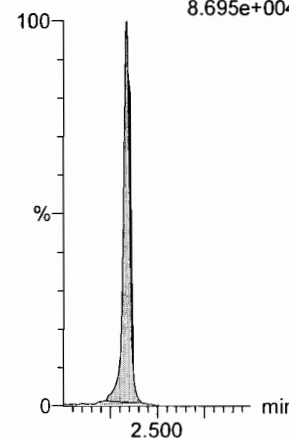
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
5.013e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.695e+004



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

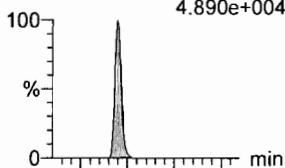
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

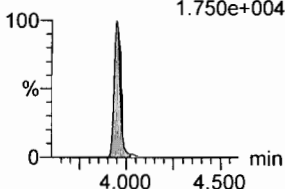
Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
4.890e+004

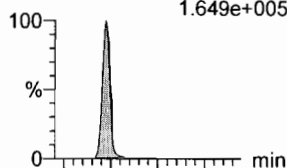


F24:MRM of 2 channels,ES-  
427.1 > 80  
1.750e+004

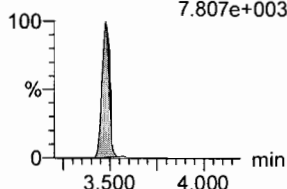


**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
1.649e+005

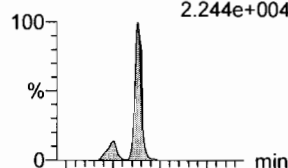


F16:MRM of 2 channels,ES-  
363.0 > 169.0  
7.807e+003

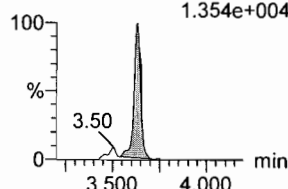


**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
2.244e+004

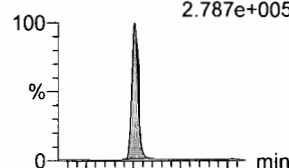


F18:MRM of 2 channels,ES-  
398.9 > 99.0  
1.354e+004

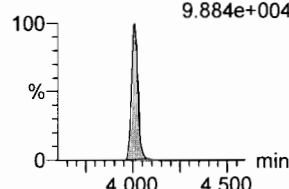


**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
2.787e+005

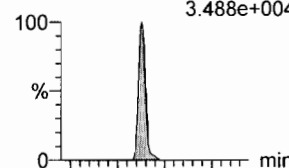


F21:MRM of 2 channels,ES-  
412.9 > 169  
9.884e+004

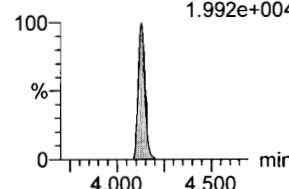


**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
3.488e+004

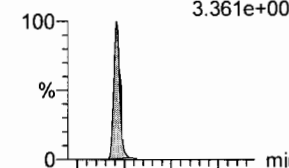


F26:MRM of 2 channels,ES-  
449 > 98.7  
1.992e+004

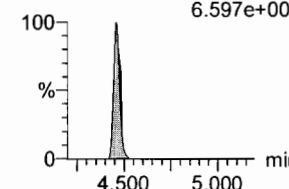


**PFNA**

F27:MRM of 2 channels,ES-  
463.0 > 418.8  
3.361e+005

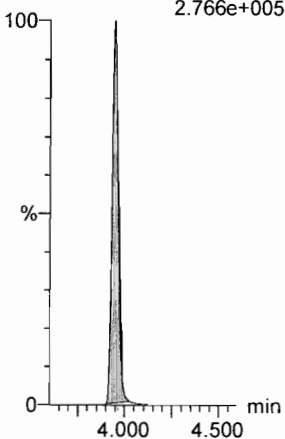


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
6.597e+004



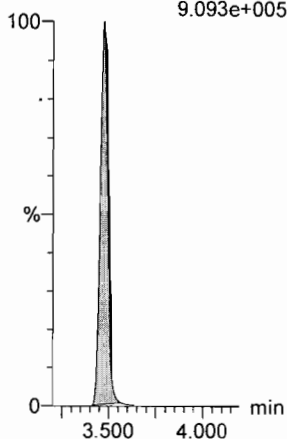
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.766e+005



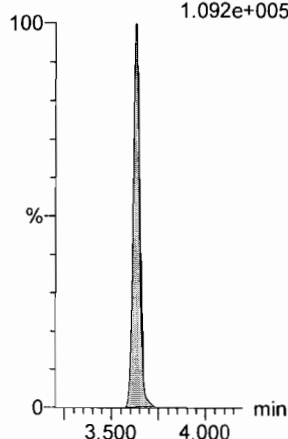
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
9.093e+005



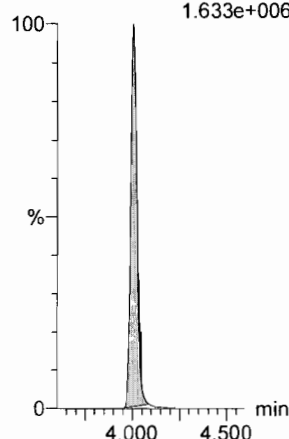
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
1.092e+005



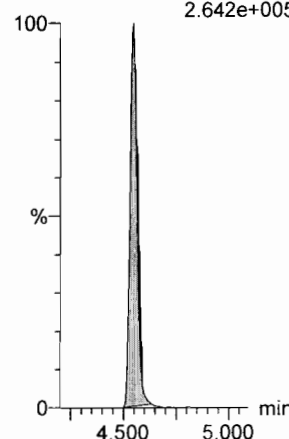
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.633e+006



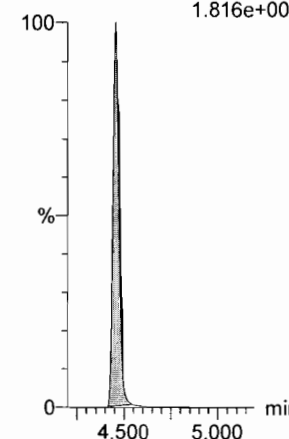
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.642e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.816e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

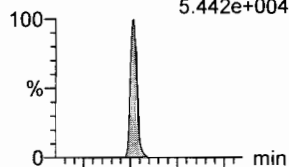
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

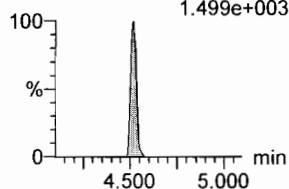
Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
5.442e+004

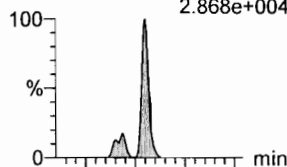


F30:MRM of 2 channels,ES-  
498 > 169  
1.499e+003

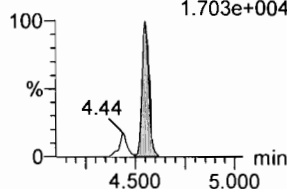


**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
2.868e+004

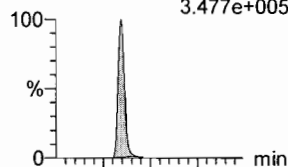


F32:MRM of 2 channels,ES-  
498.9 > 99  
1.703e+004

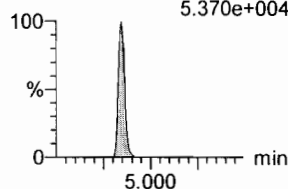


**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
3.477e+005

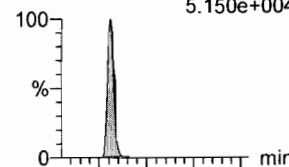


F37:MRM of 2 channels,ES-  
513 > 219  
5.370e+004

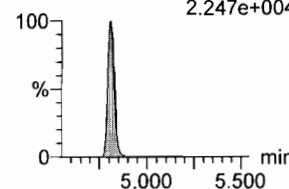


**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
5.150e+004

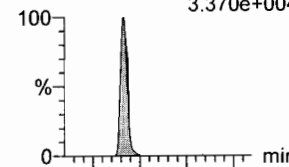


F42:MRM of 2 channels,ES-  
527 > 80  
2.247e+004

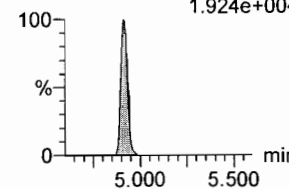


**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
3.370e+004

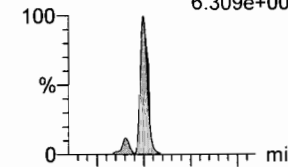


F45:MRM of 2 channels,ES-  
549.1 > 99.1  
1.924e+004

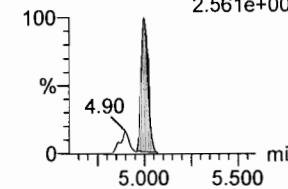


**L-MeFOSAA**

F48:MRM of 2 channels,ES-  
570 > 419  
6.309e+004

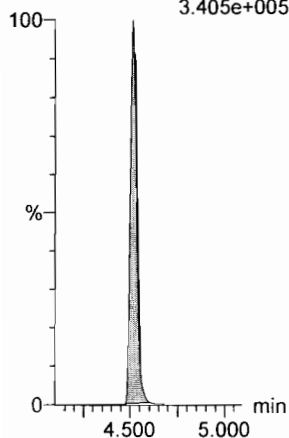


F48:MRM of 2 channels,ES-  
570. > 512  
2.561e+004



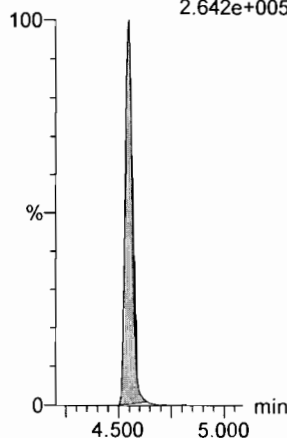
**13C8-PFOSA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
3.405e+005



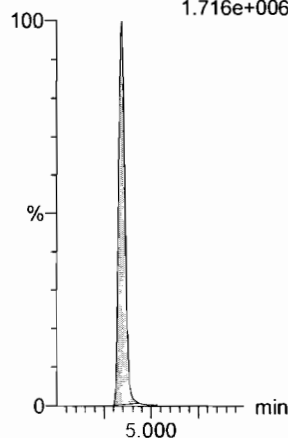
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.642e+005



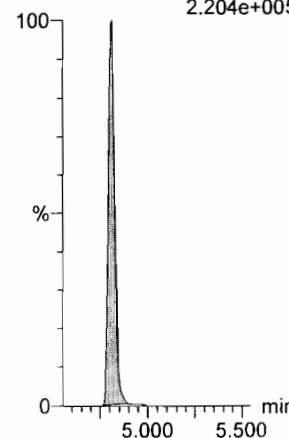
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.716e+006



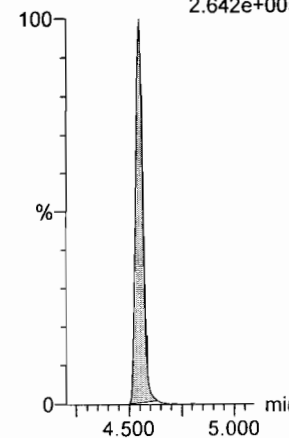
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.204e+005



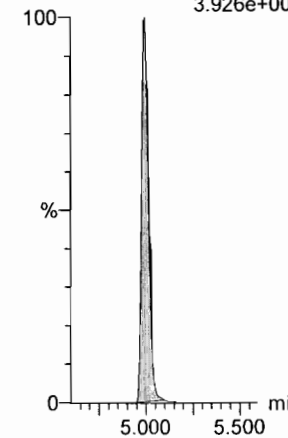
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.642e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
3.926e+005



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

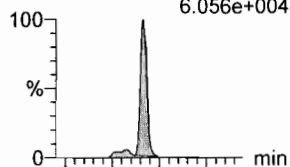
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

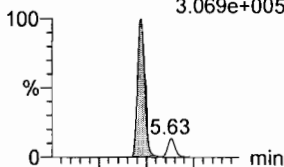
**L-EtFOSAA**

F51:MRM of 2 channels,ES-  
584.1 > 419  
6.056e+004



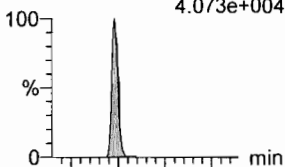
**PFDoA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
3.069e+005



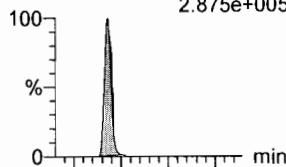
**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
4.073e+004



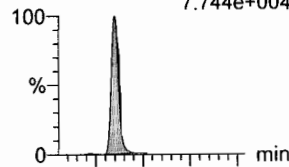
**PFUdA**

F46:MRM of 2 channels,ES-  
563.0 > 518.9  
2.875e+005



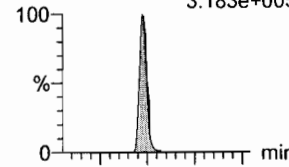
**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
7.744e+004

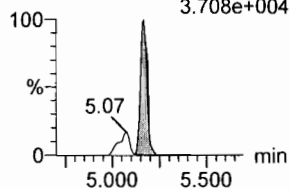


**PFTrDA**

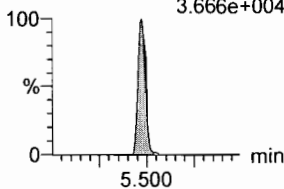
F60:MRM of 2 channels,ES-  
662.9 > 618.9  
3.183e+005



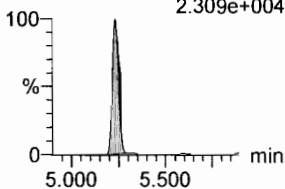
F51:MRM of 2 channels,ES-  
584.1 > 526  
3.708e+004



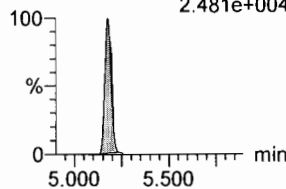
F54:MRM of 4 channels,ES-  
612.9 > 318.8  
3.666e+004



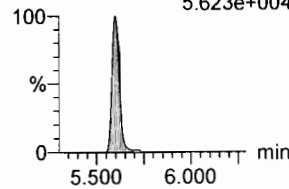
F53:MRM of 2 channels,ES-  
598.8 > 98.9  
2.309e+004



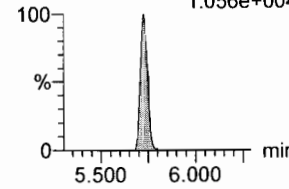
F46:MRM of 2 channels,ES-  
563.0 > 269  
2.481e+004



F36:MRM of 2 channels,ES-  
512.1 > 219  
5.623e+004

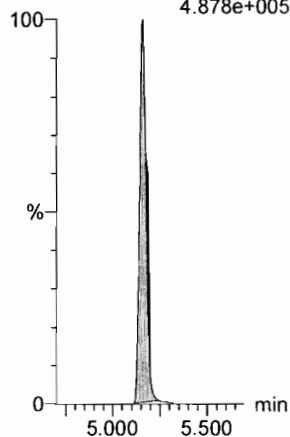


F60:MRM of 2 channels,ES-  
662.9 > 319  
1.056e+004



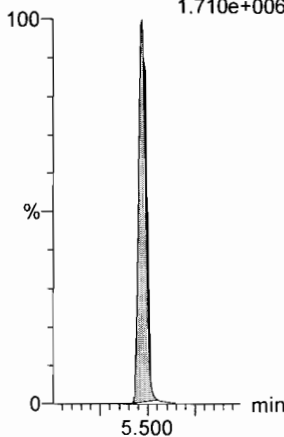
**d5-N-EtFOSAA**

F52:MRM of 1 channel,ES-  
589.3 > 419  
4.878e+005



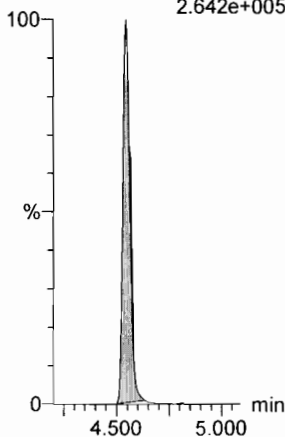
**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.710e+006



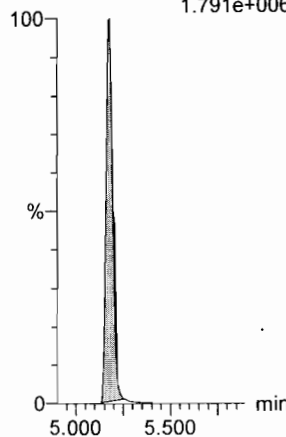
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.642e+005



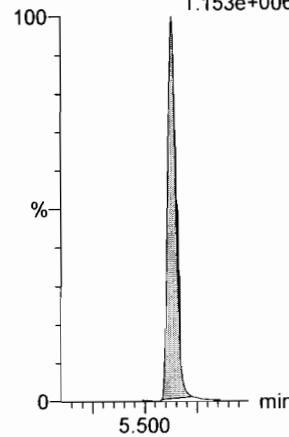
**13C2-PFUdA**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.791e+006



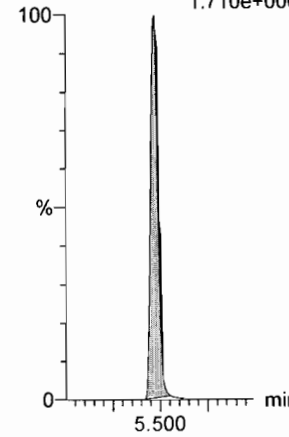
**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
1.153e+006



**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.710e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

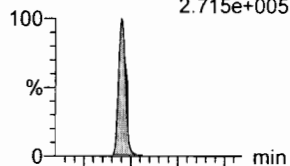
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

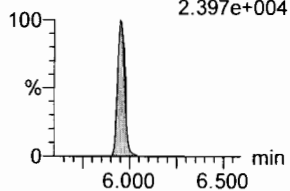
Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

**PFTeDA**

F61:MRM of 2 channels,ES-  
712.8 > 669.0  
2.715e+005

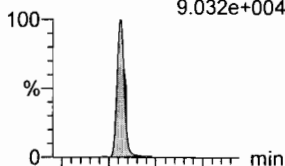


F61:MRM of 2 channels,ES-  
712.8 > 368.9  
2.397e+004

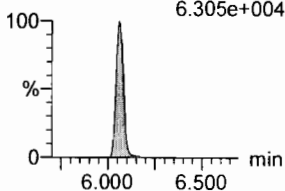


**N-EtFOSA**

F41:MRM of 2 channels,ES-  
526.1 > 168.9  
9.032e+004

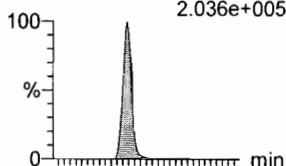


F41:MRM of 2 channels,ES-  
526.1 > 219  
6.305e+004

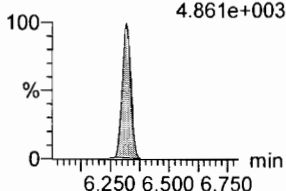


**PFHxDA**

F63:MRM of 2 channels,ES-  
813.1 > 768.6  
2.036e+005



F63:MRM of 2 channels,ES-  
813.1 > 219  
4.861e+003



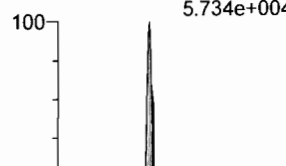
**PFODA**

F65:MRM of 1 channel,ES-  
913.1 > 868.8  
2.192e+005



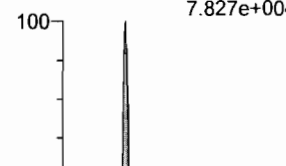
**N-MeFOSE**

F56:MRM of 1 channel,ES-  
616.1 > 58.9  
5.734e+004



**N-EtFOSE**

F58:MRM of 1 channel,ES-  
630.1 > 58.9  
7.827e+004



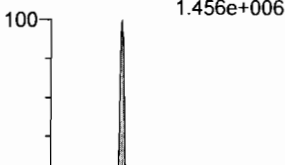
**13C2-PFTeDA**

F62:MRM of 2 channels,ES-  
714.8 > 669.6  
1.344e+006



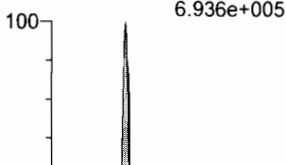
**d5-N-ETFOSA**

F44:MRM of 1 channel,ES-  
531.1 > 168.9  
1.456e+006



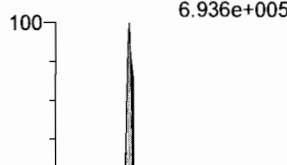
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
6.936e+005



**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
6.936e+005



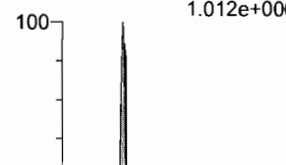
**d7-N-MeFOSE**

F57:MRM of 1 channel,ES-  
623.1 > 58.9  
8.558e+005



**d9-N-EtFOSE**

F59:MRM of 1 channel,ES-  
639.2 > 58.8  
1.012e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

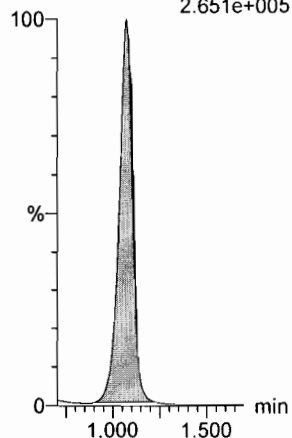
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_5, Date: 18-Aug-2018, Time: 15:46:40, ID: ST180818M2-4 PFC CS1 18H0904, Description: PFC CS1 18H0904

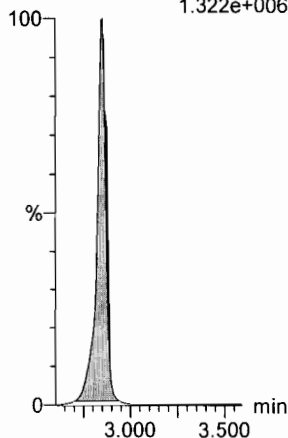
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.651e+005



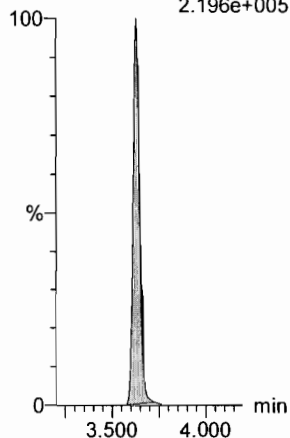
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.322e+006



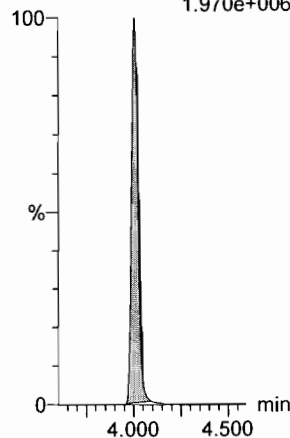
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.196e+005



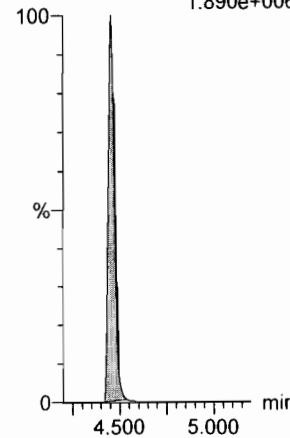
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.970e+006



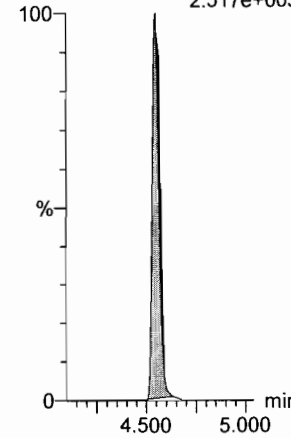
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.890e+006



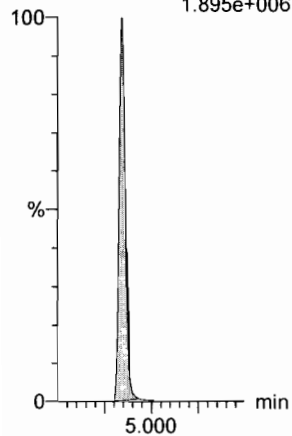
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.517e+005



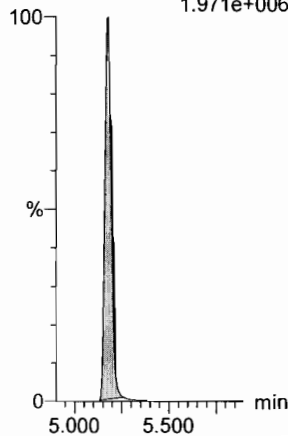
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.895e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.971e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

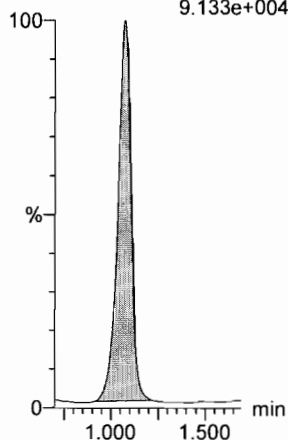
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905

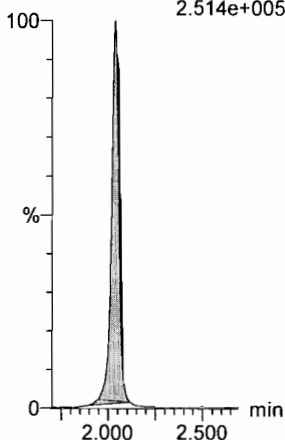
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
9.133e+004



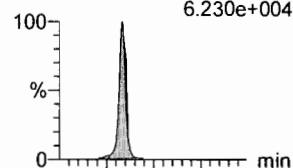
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
2.514e+005

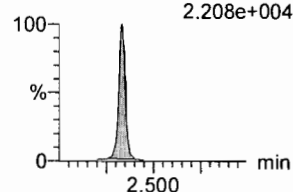


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
6.230e+004

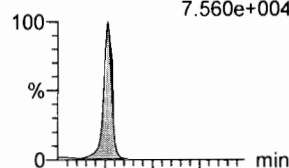


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
2.208e+004

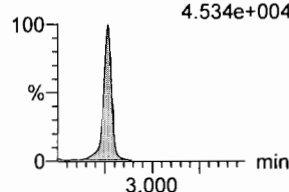


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
7.560e+004

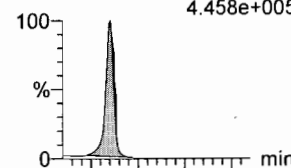


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
4.534e+004

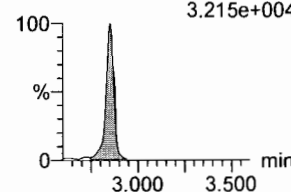


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
4.458e+005

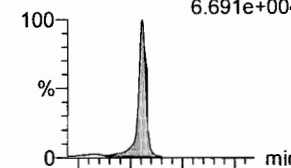


F9:MRM of 2 channels,ES-  
313 > 118.9  
3.215e+004

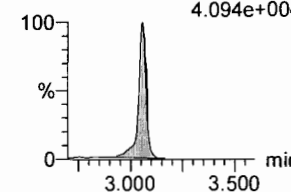


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
6.691e+004

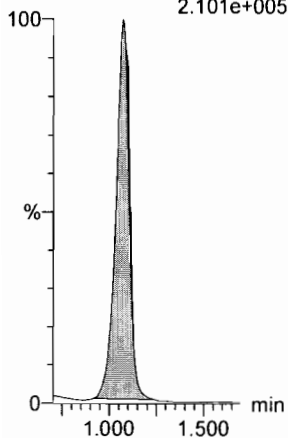


F15:MRM of 2 channels,ES-  
349.1 > 99  
4.094e+004



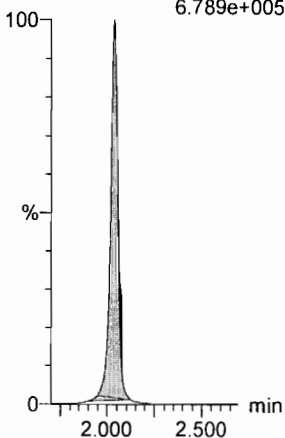
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
2.101e+005



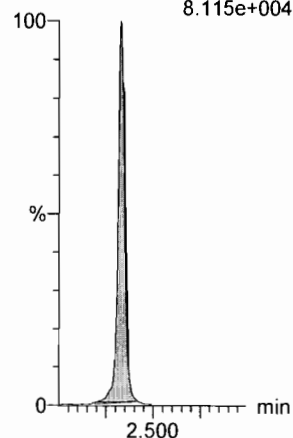
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.789e+005



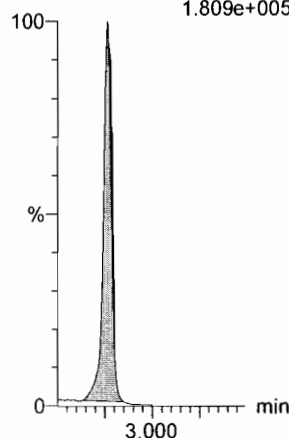
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.115e+004



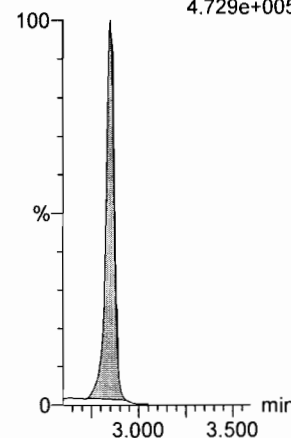
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.809e+005



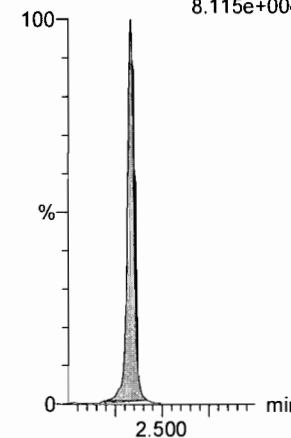
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
4.729e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.115e+004



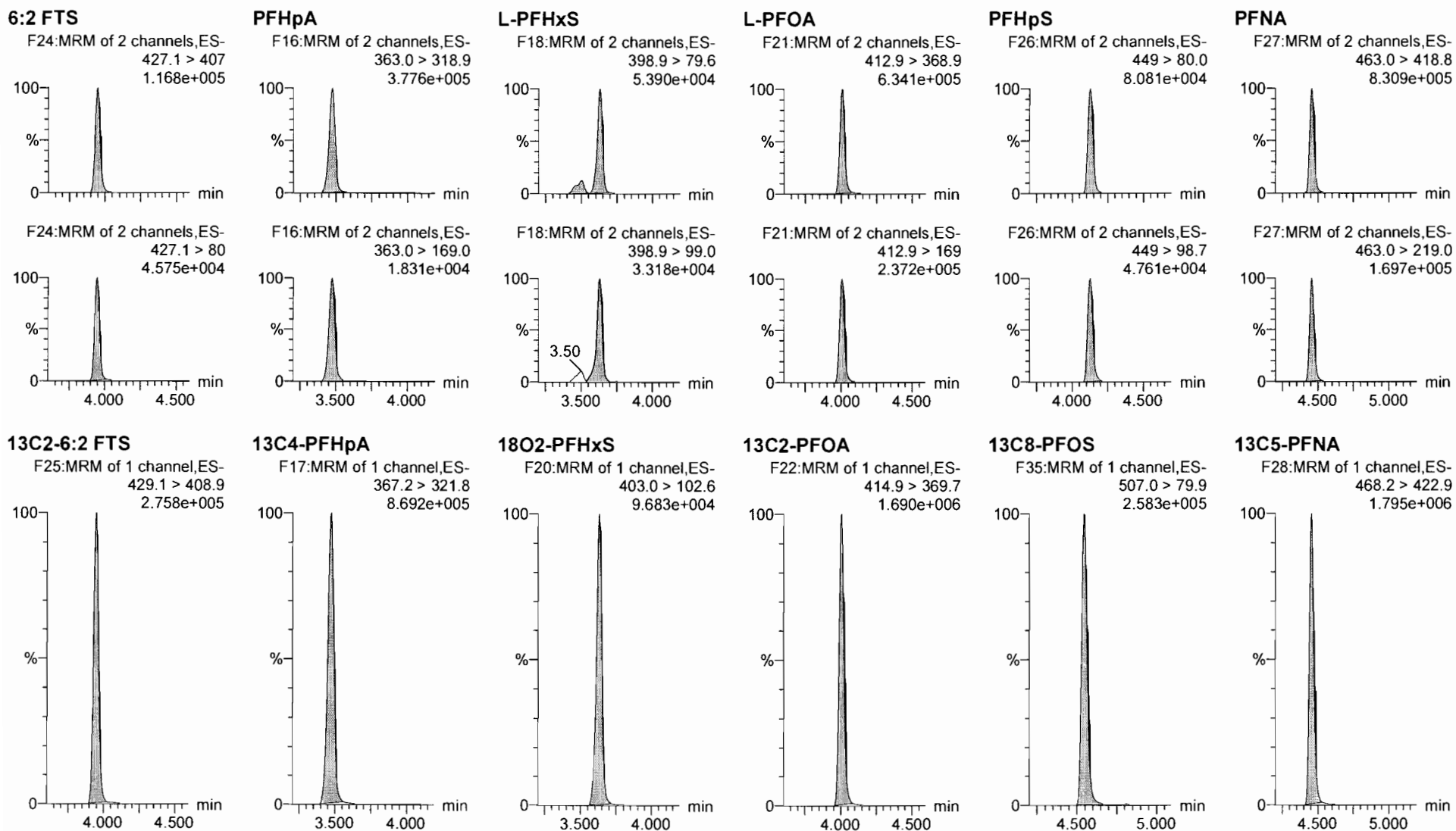


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905

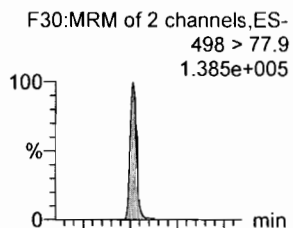


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

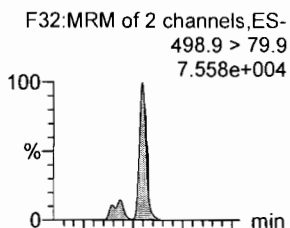
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time  
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905

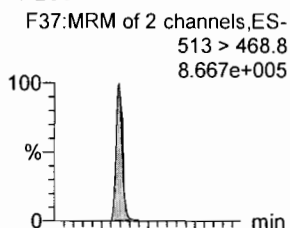
**PFOSA**



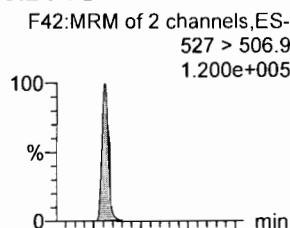
**L-PFOS**



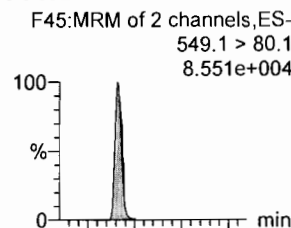
**PFDA**



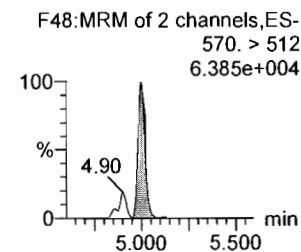
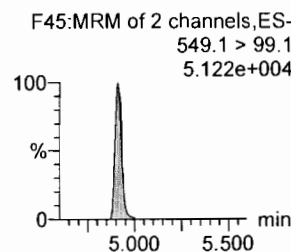
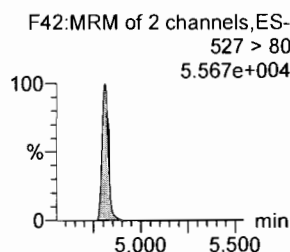
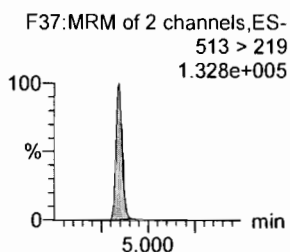
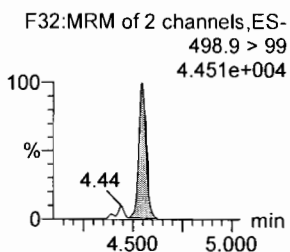
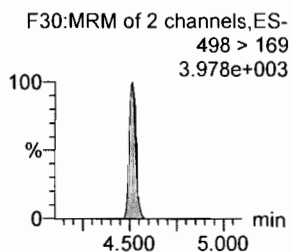
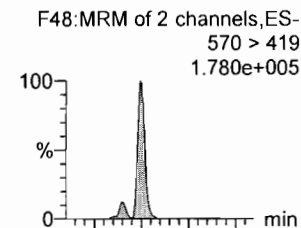
**8:2 FTS**



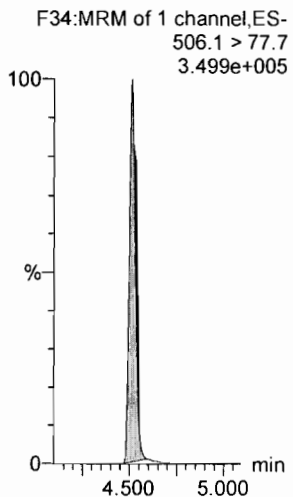
**PFNS**



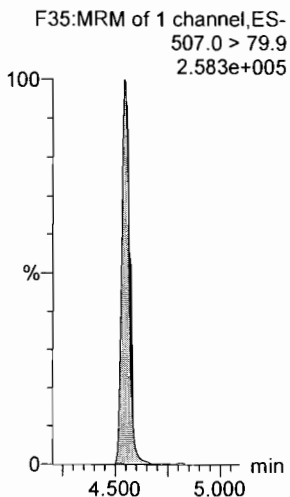
**L-MeFOSAA**



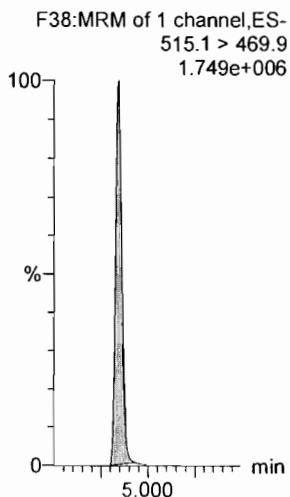
**13C8-PFOSA**



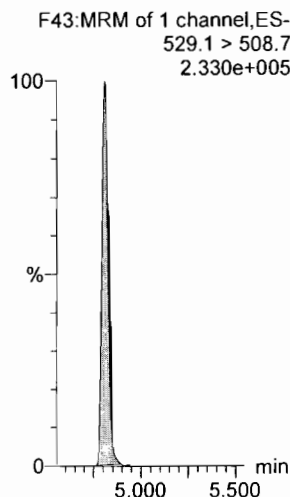
**13C8-PFOS**



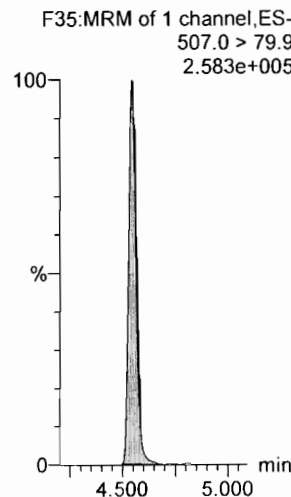
**13C2-PFDA**



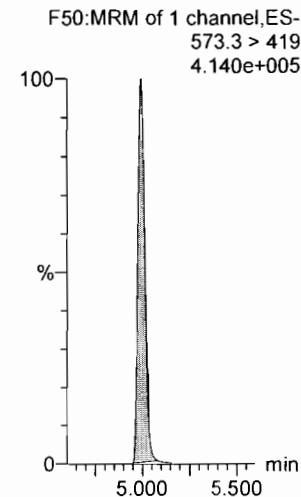
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

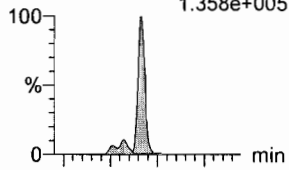
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

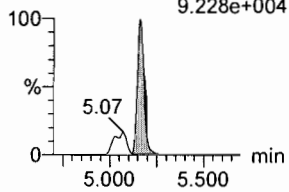
Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905

**L-EtFOSAA**

F51:MRM of 2 channels,ES-  
584.1 > 419  
1.358e+005

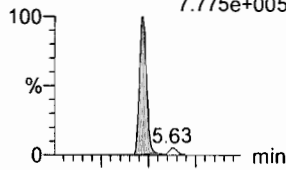


F51:MRM of 2 channels,ES-  
584.1 > 526  
9.228e+004

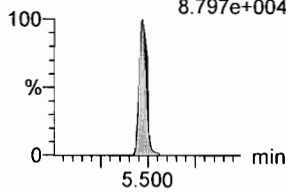


**PFDoA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
7.775e+005

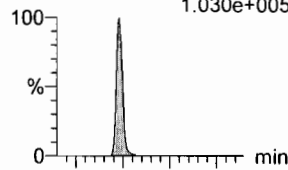


F54:MRM of 4 channels,ES-  
612.9 > 318.8  
8.797e+004

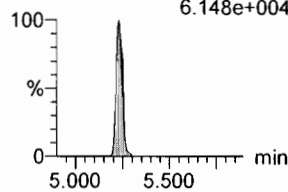


**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
1.030e+005

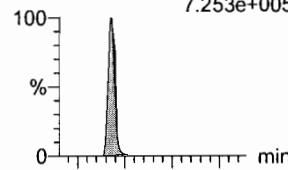


F53:MRM of 2 channels,ES-  
598.8 > 98.9  
6.148e+004

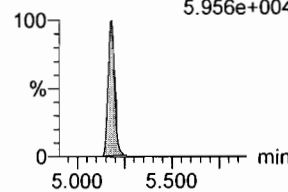


**PFUdA**

F46:MRM of 2 channels,ES-  
563.0 > 518.9  
7.253e+005

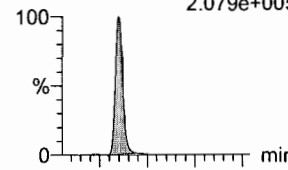


F46:MRM of 2 channels,ES-  
563.0 > 269  
5.956e+004

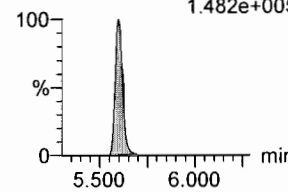


**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
2.079e+005

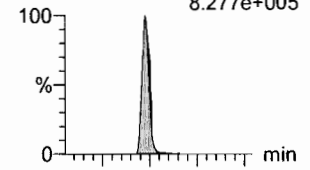


F36:MRM of 2 channels,ES-  
512.1 > 219  
1.482e+005

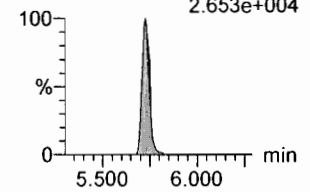


**PFTrDA**

F60:MRM of 2 channels,ES-  
662.9 > 618.9  
8.277e+005

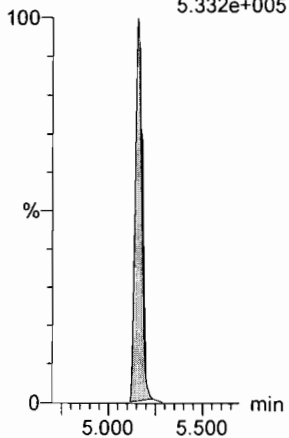


F60:MRM of 2 channels,ES-  
662.9 > 319  
2.653e+004



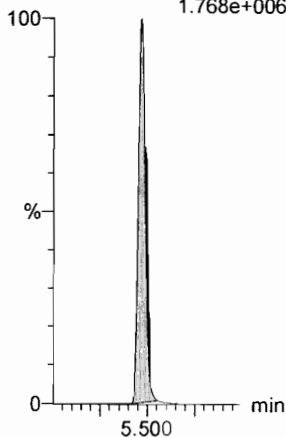
**d5-N-EtFOSAA**

F52:MRM of 1 channel,ES-  
589.3 > 419  
5.332e+005



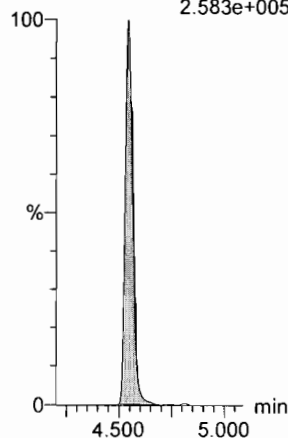
**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.768e+006



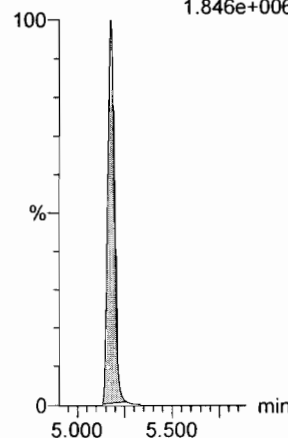
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.583e+005



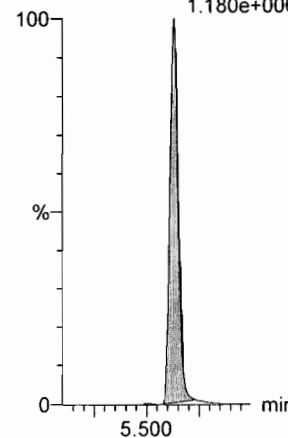
**13C2-PFUdA**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.846e+006



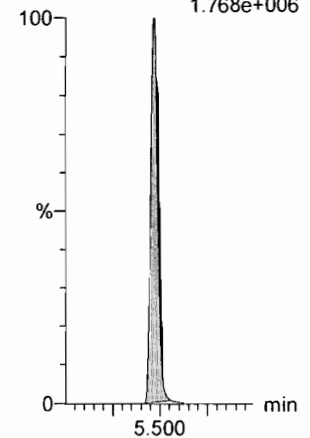
**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
1.180e+006



**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.768e+006

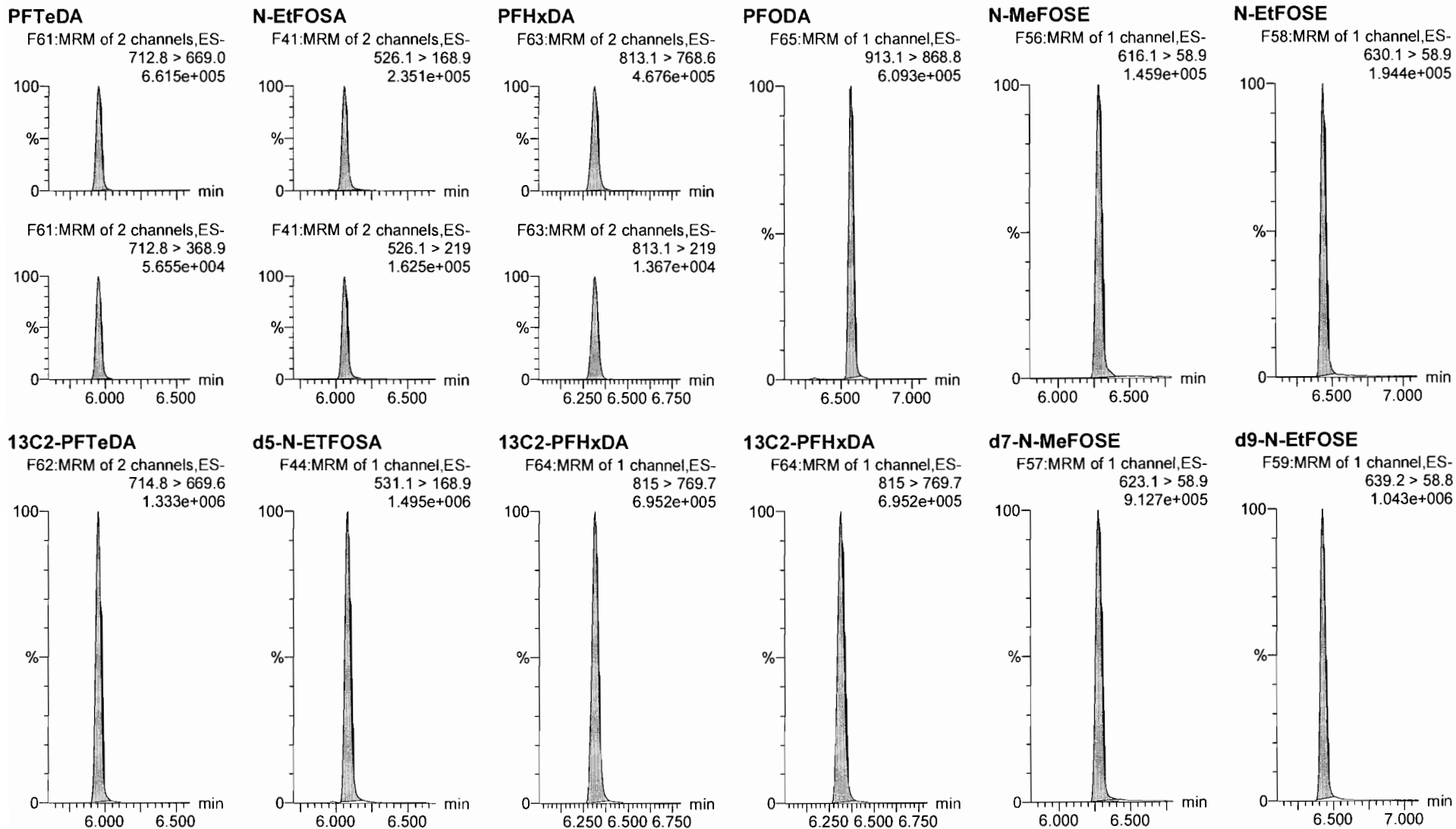


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

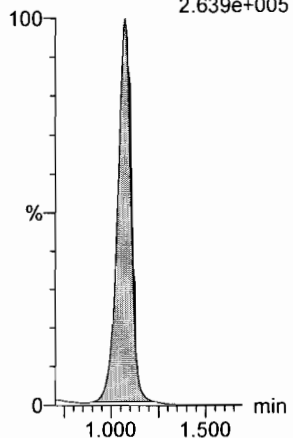
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_6, Date: 18-Aug-2018, Time: 15:57:21, ID: ST180818M2-5 PFC CS2 18H0905, Description: PFC CS2 18H0905

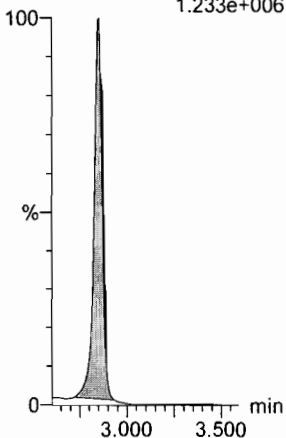
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.639e+005



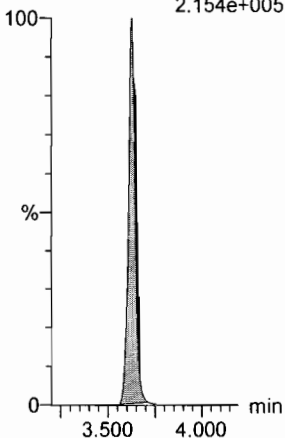
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.233e+006



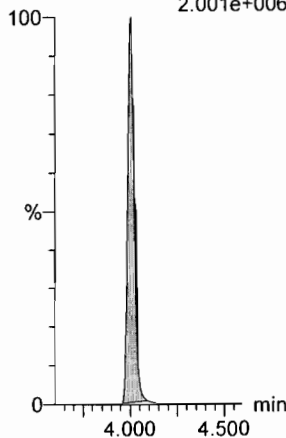
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.154e+005



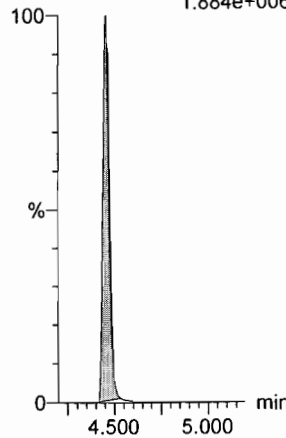
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
2.001e+006



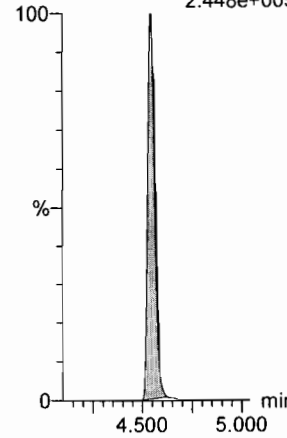
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.884e+006



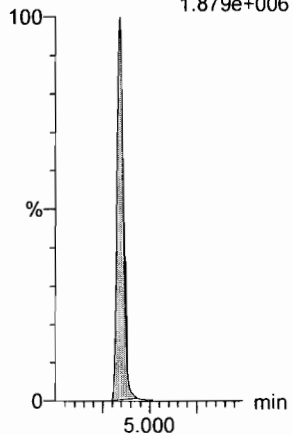
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.448e+005



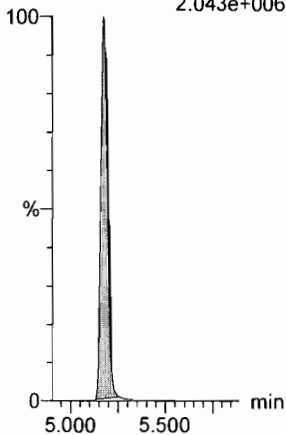
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.879e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
2.043e+006



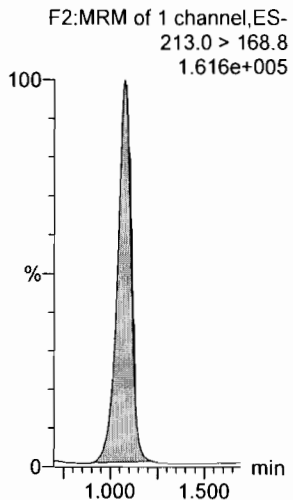
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

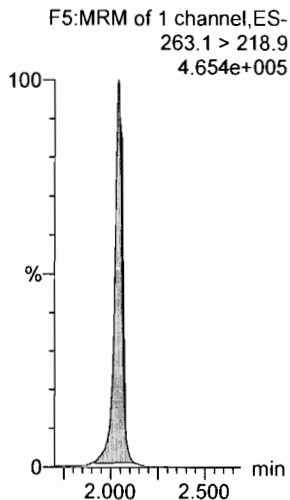
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

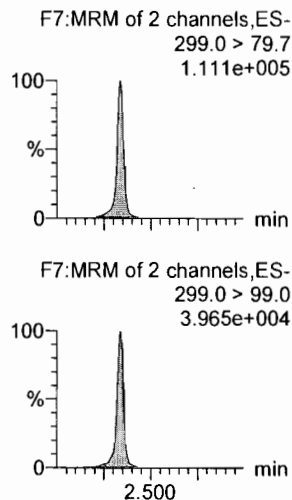
**PFBA**



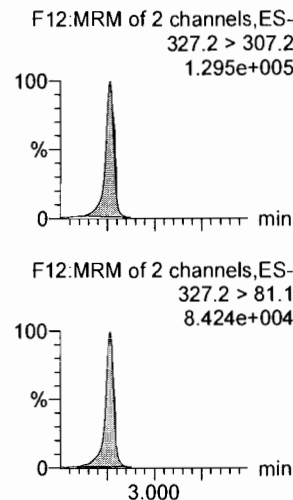
**PFPeA**



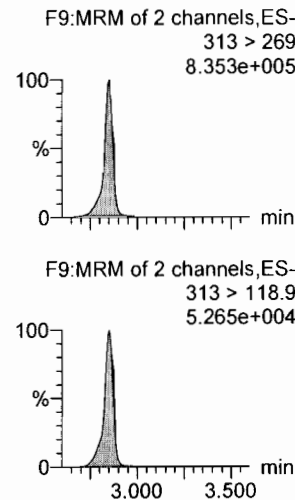
**PFBS**



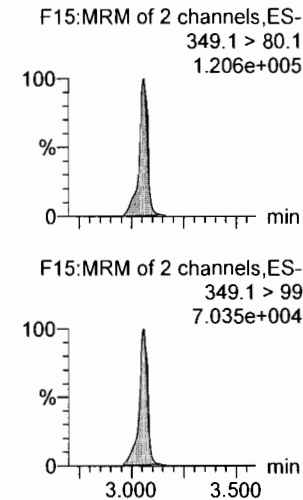
**4:2 FTS**



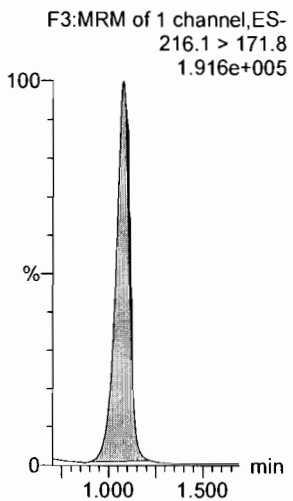
**PFHxA**



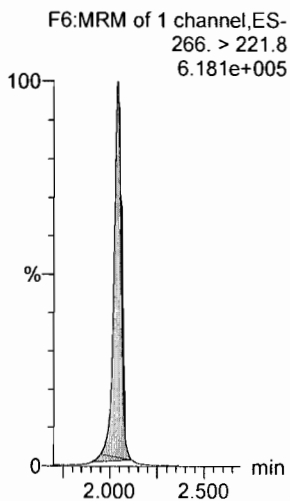
**PFPeS**



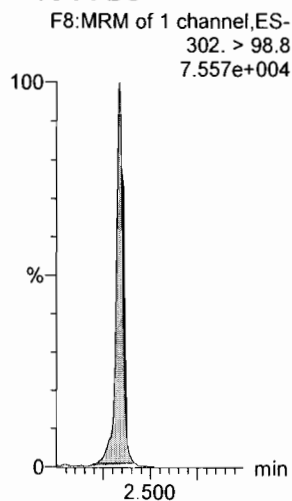
**13C3-PFBA**



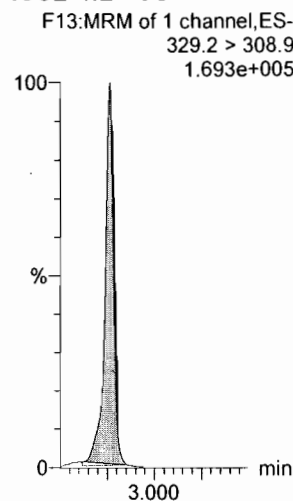
**13C3-PFPeA**



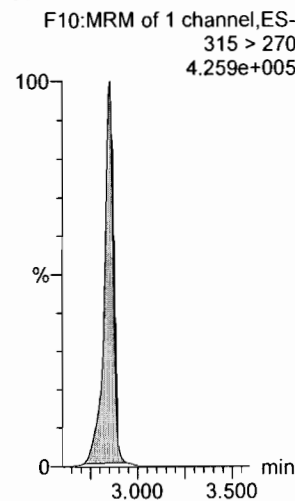
**13C3-PFBS**



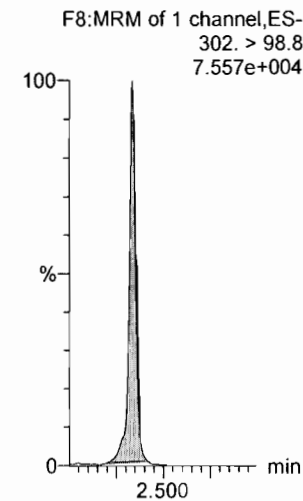
**13C2-4:2 FTS**



**13C2-PFHxA**



**13C3-PFBS**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

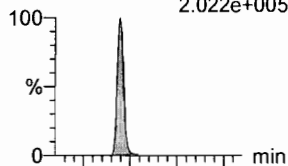
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

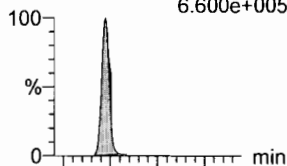
**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
2.022e+005



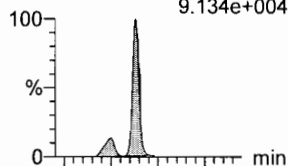
**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
6.600e+005



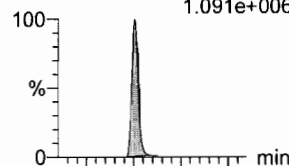
**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
9.134e+004



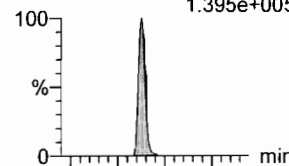
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
1.091e+006



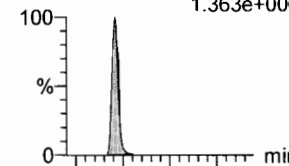
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
1.395e+005

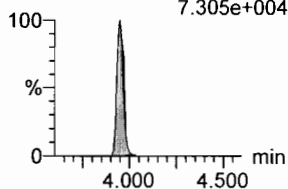


**PFNA**

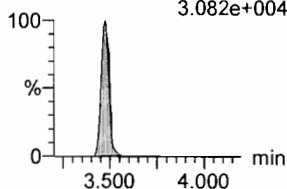
F27:MRM of 2 channels,ES-  
463.0 > 418.8  
1.363e+006



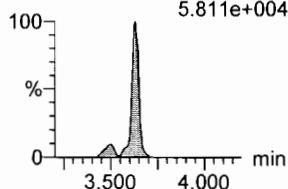
F24:MRM of 2 channels,ES-  
427.1 > 80  
7.305e+004



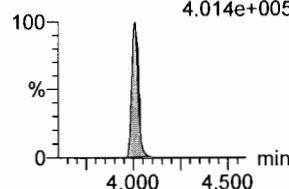
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
3.082e+004



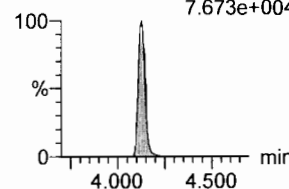
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
5.811e+004



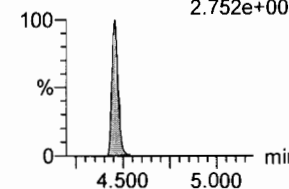
F21:MRM of 2 channels,ES-  
412.9 > 169  
4.014e+005



F26:MRM of 2 channels,ES-  
449 > 98.7  
7.673e+004

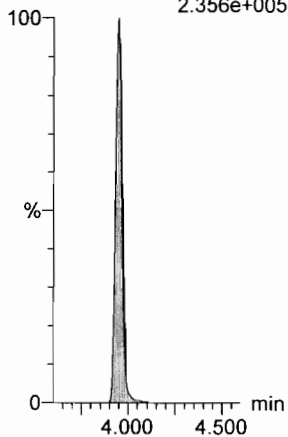


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
2.752e+005



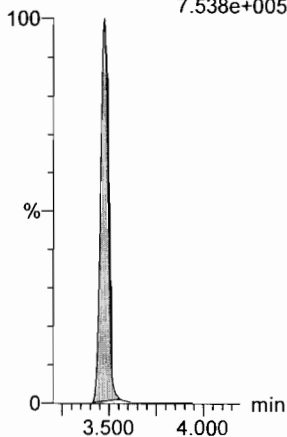
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.356e+005



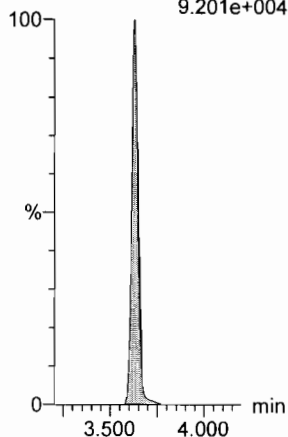
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
7.538e+005



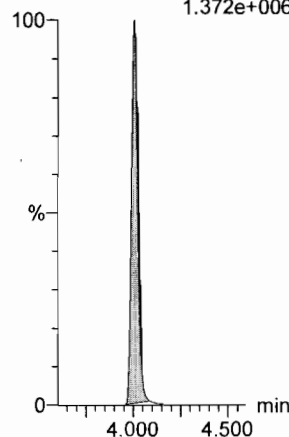
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
9.201e+004



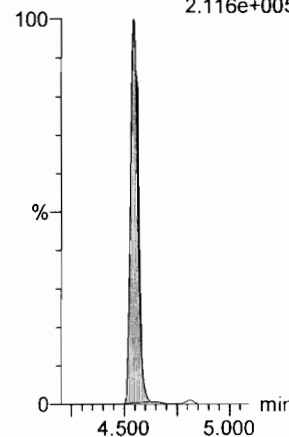
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.372e+006



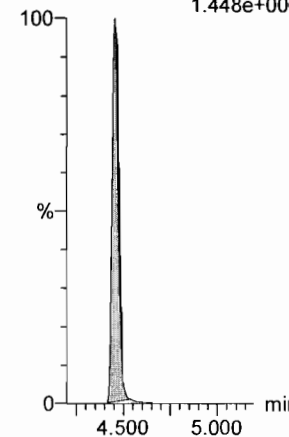
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.116e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.448e+006



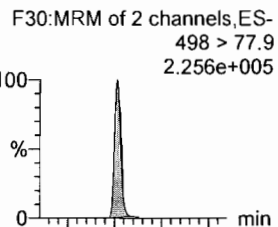
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

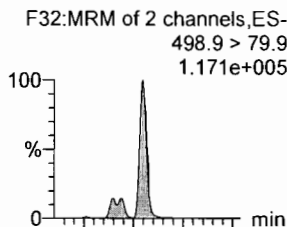
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

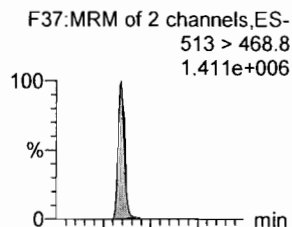
**PFOSA**



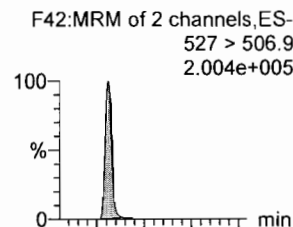
**L-PFOS**



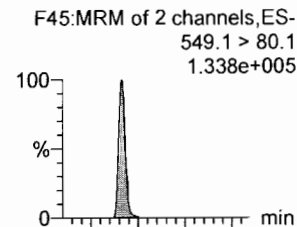
**PFDA**



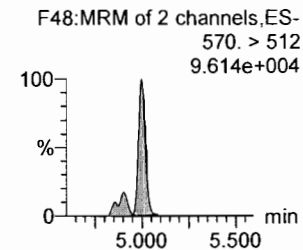
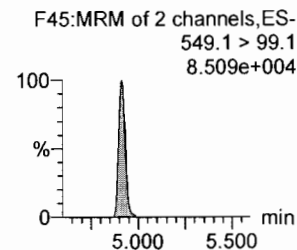
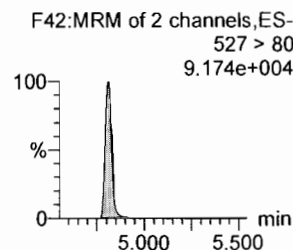
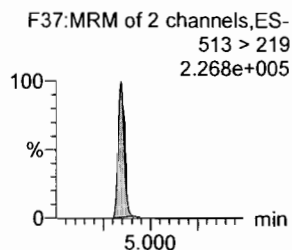
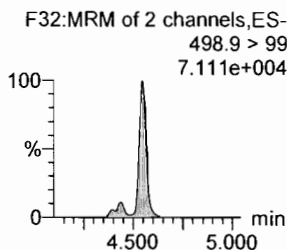
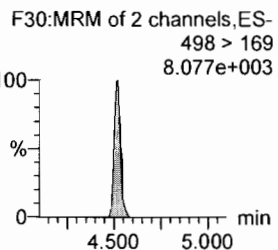
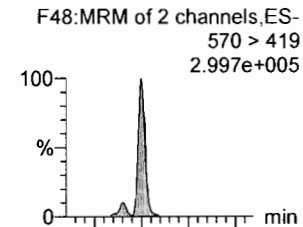
**8:2 FTS**



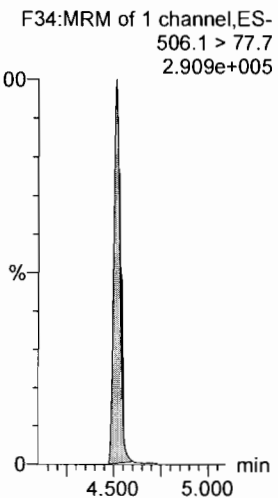
**PFNS**



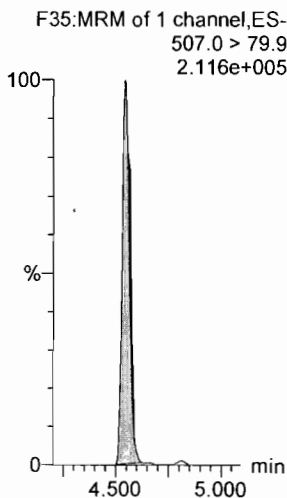
**L-MeFOSAA**



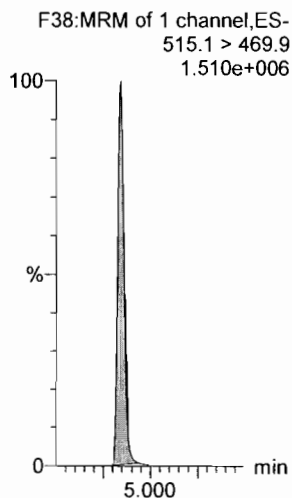
**13C8-PFOSA**



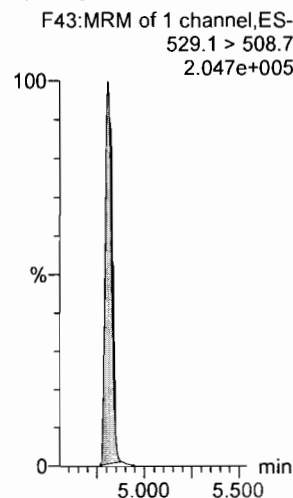
**13C8-PFOS**



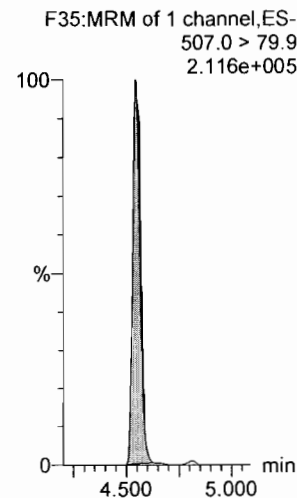
**13C2-PFDA**



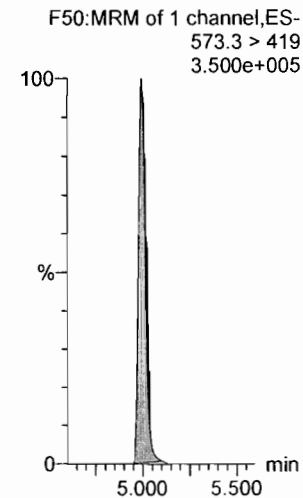
**13C2-8:2 FTS**



**13C8-PFOS**



**d3-N-MeFOSAA**





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

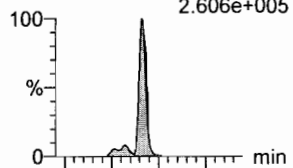
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

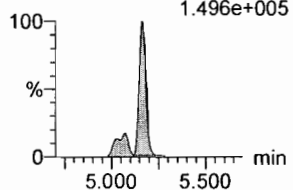
Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

**L-EtFOSAA**

F51:MRM of 2 channels,ES-  
584.1 > 419  
2.606e+005

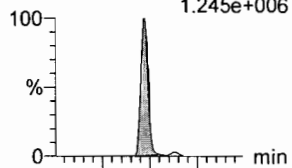


F51:MRM of 2 channels,ES-  
584.1 > 526  
1.496e+005

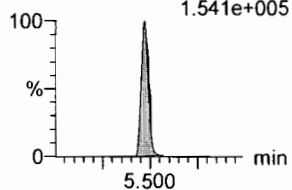


**PFDoA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
1.245e+006

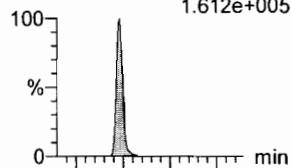


F54:MRM of 4 channels,ES-  
612.9 > 318.8  
1.541e+005

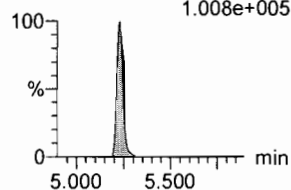


**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
1.612e+005

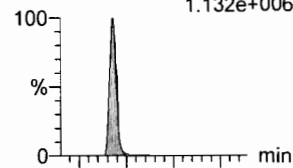


F53:MRM of 2 channels,ES-  
598.8 > 98.9  
1.008e+005

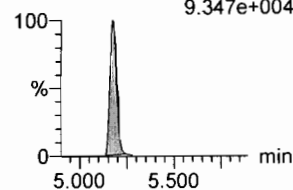


**PFUdA**

F46:MRM of 2 channels,ES-  
563.0 > 518.9  
1.132e+006

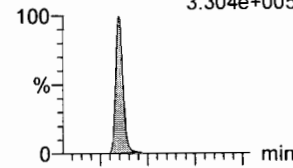


F46:MRM of 2 channels,ES-  
563.0 > 269  
9.347e+004

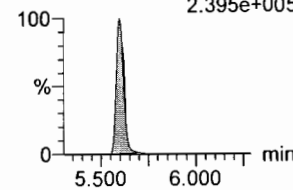


**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
3.304e+005

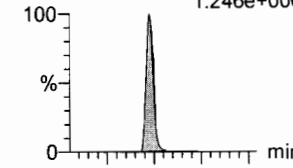


F36:MRM of 2 channels,ES-  
512.1 > 219  
2.395e+005

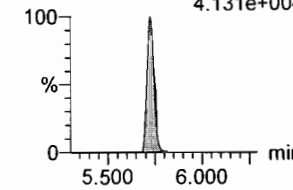


**PFTrDA**

F60:MRM of 2 channels,ES-  
662.9 > 618.9  
1.246e+006

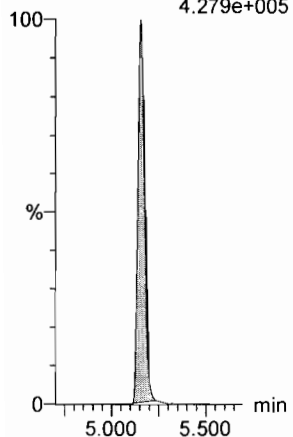


F60:MRM of 2 channels,ES-  
662.9 > 319  
4.131e+004



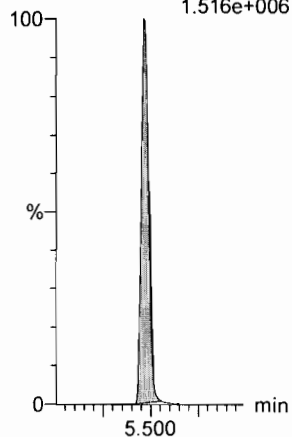
**d5-N-EtFOSAA**

F52:MRM of 1 channel,ES-  
589.3 > 419  
4.279e+005



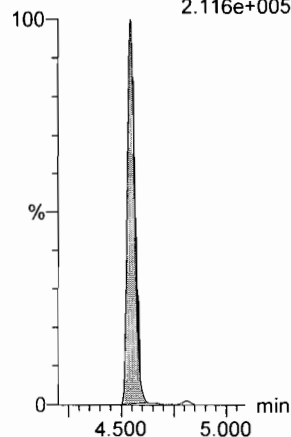
**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.516e+006



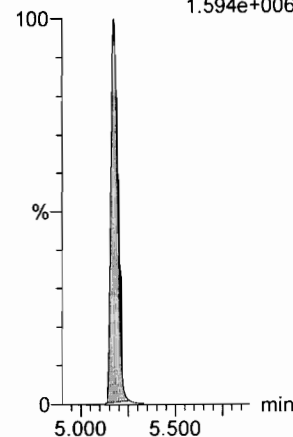
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.116e+005



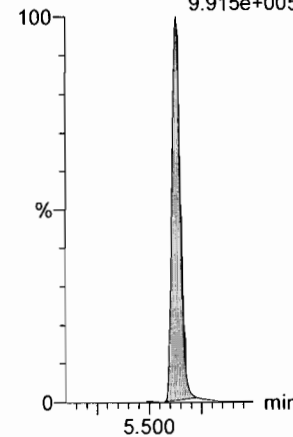
**13C2-PFUdA**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.594e+006



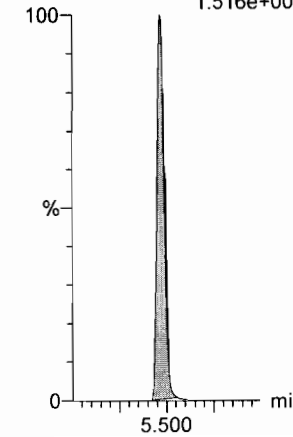
**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
9.915e+005



**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.516e+006



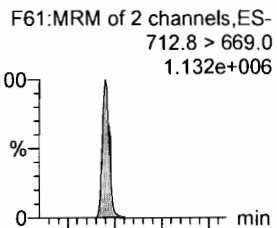
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

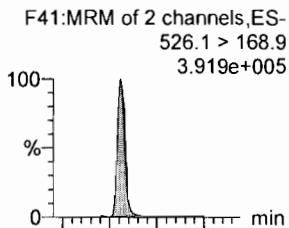
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

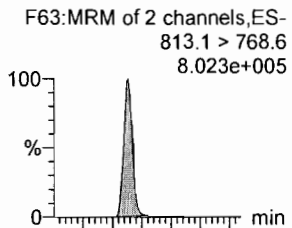
**PFTeDA**



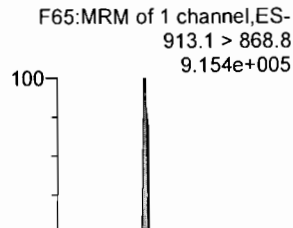
**N-EtFOSA**



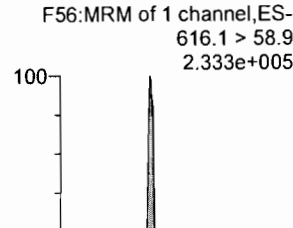
**PFHxDA**



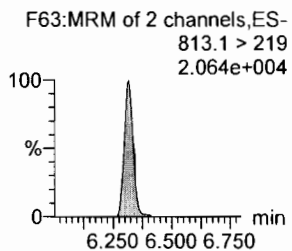
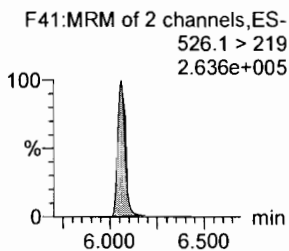
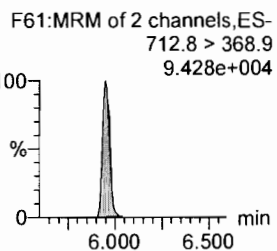
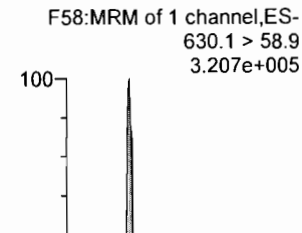
**PFODA**



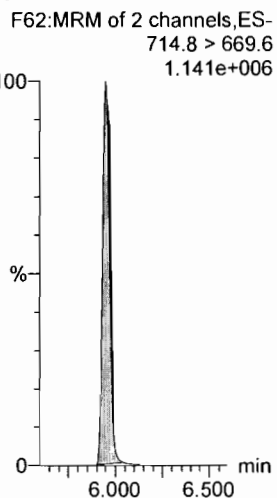
**N-MeFOSE**



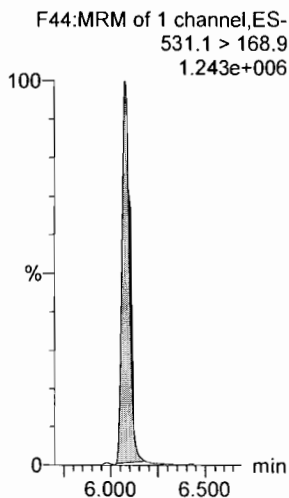
**N-EtFOSE**



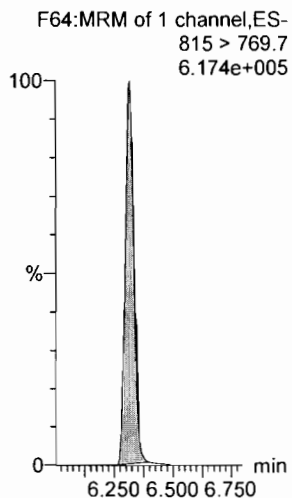
**13C2-PFTeDA**



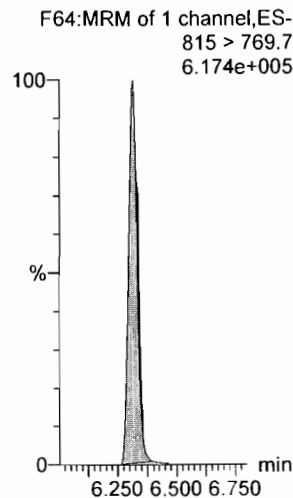
**d5-N-ETFOSA**



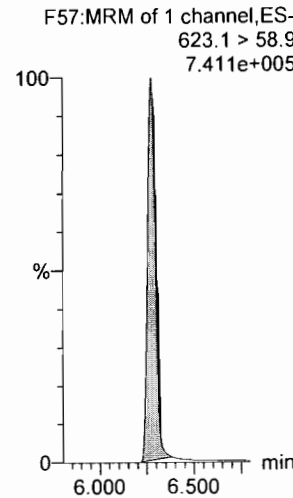
**13C2-PFHxDA**



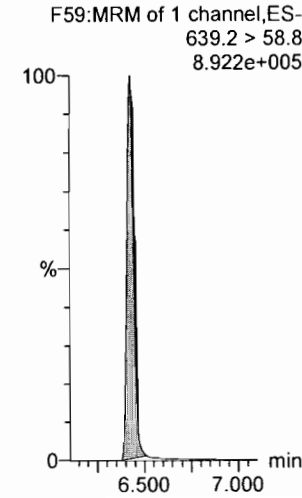
**13C2-PFHxDA**



**d7-N-MeFOSE**



**d9-N-EtFOSE**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

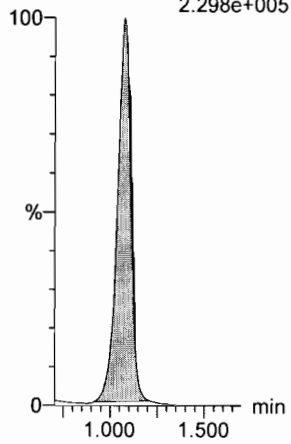
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_7, Date: 18-Aug-2018, Time: 16:08:07, ID: ST180818M2-6 PFC CS3 18H0906, Description: PFC CS3 18H0906

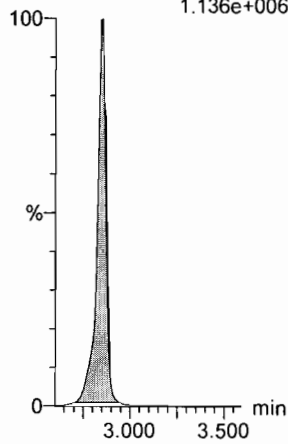
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.298e+005



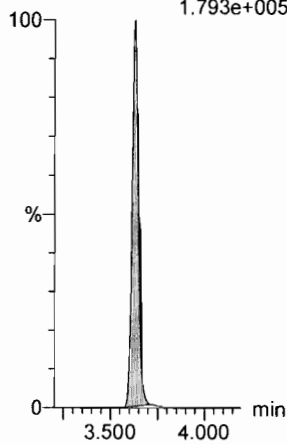
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.136e+006



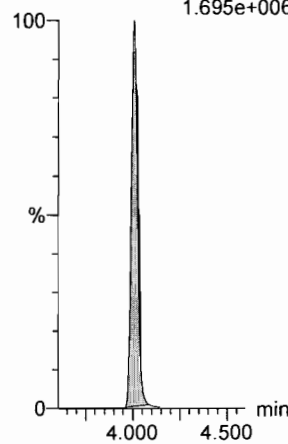
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.793e+005



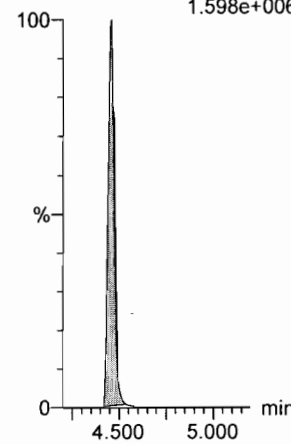
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.695e+006



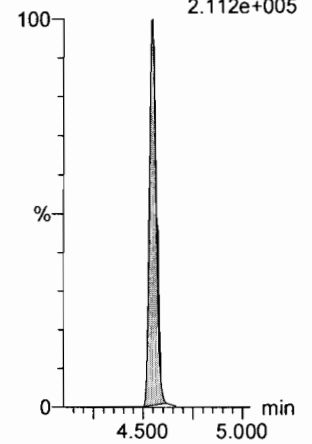
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.598e+006



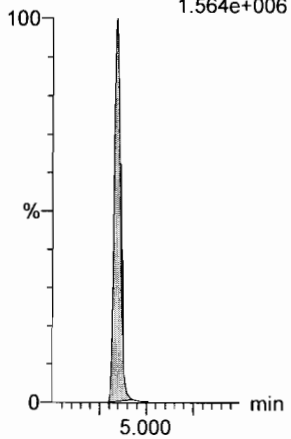
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.112e+005



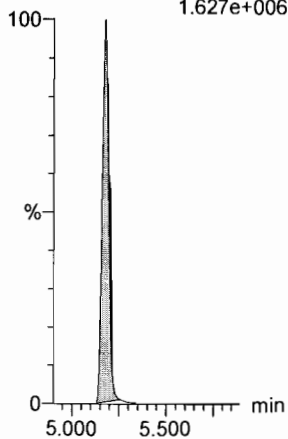
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.564e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.627e+006



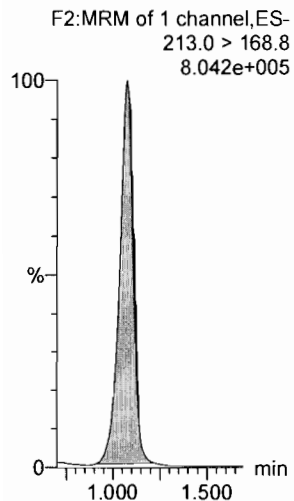
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

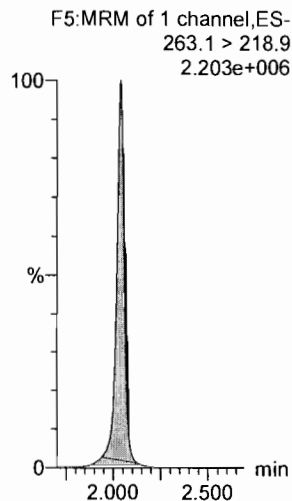
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

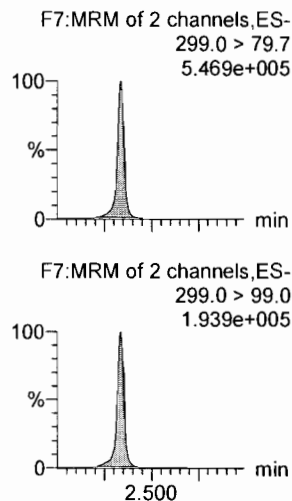
**PFBA**



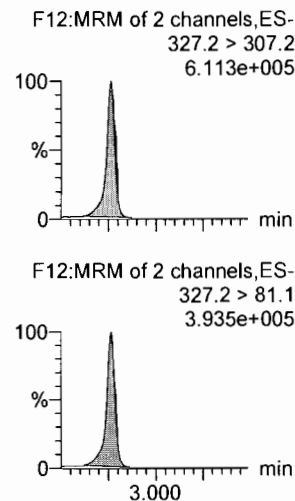
**PFPeA**



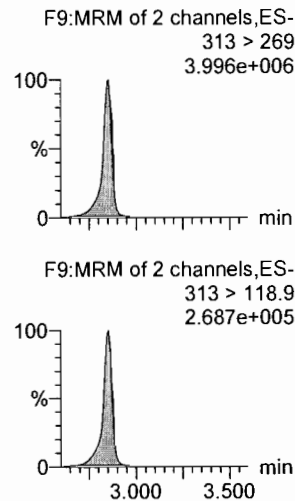
**PFBS**



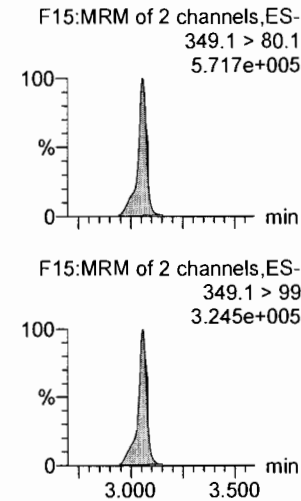
**4:2 FTS**



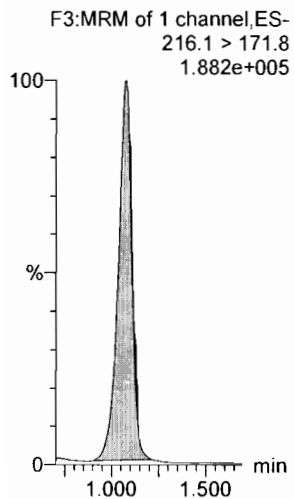
**PFHxA**



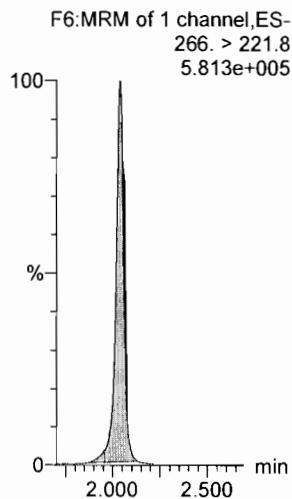
**PFPeS**



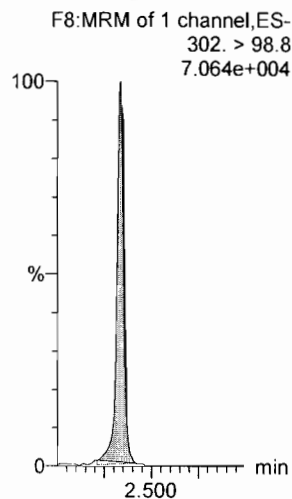
**13C3-PFBA**



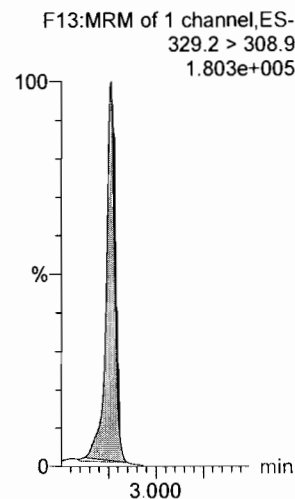
**13C3-PFPeA**



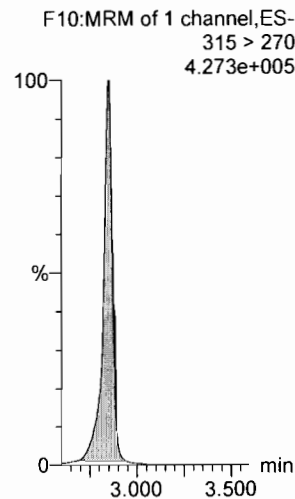
**13C3-PFBS**



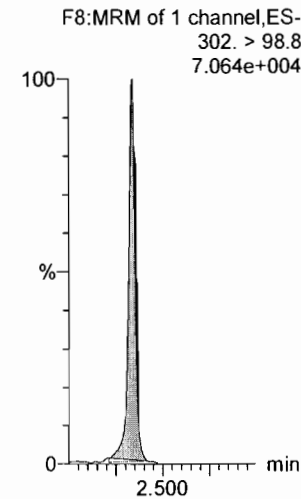
**13C2-4:2 FTS**



**13C2-PFHxA**



**13C3-PFBS**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

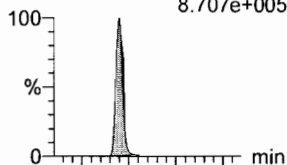
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

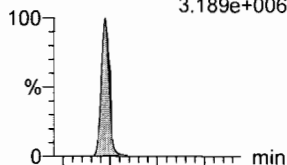
**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
8.707e+005



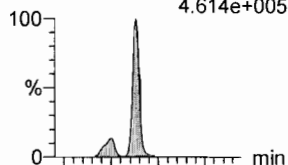
**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
3.189e+006



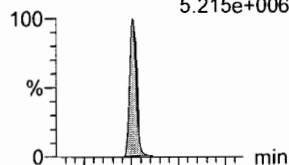
**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
4.614e+005



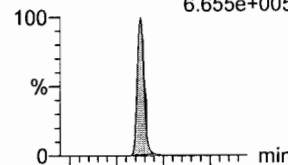
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
5.215e+006



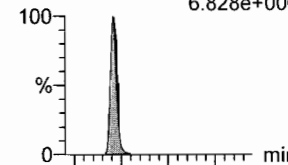
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
6.655e+005

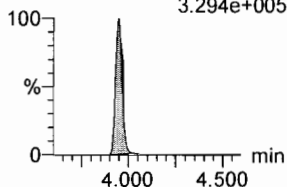


**PFNA**

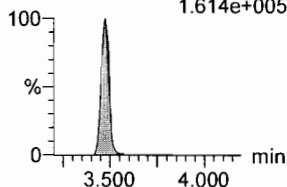
F27:MRM of 2 channels,ES-  
463.0 > 418.8  
6.828e+006



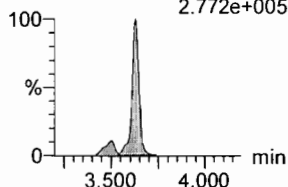
F24:MRM of 2 channels,ES-  
427.1 > 80  
3.294e+005



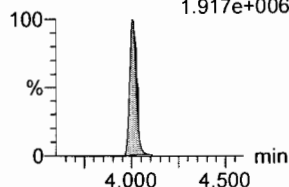
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
1.614e+005



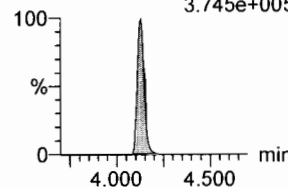
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
2.772e+005



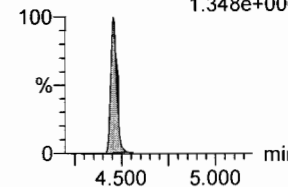
F21:MRM of 2 channels,ES-  
412.9 > 169  
1.917e+006



F26:MRM of 2 channels,ES-  
449 > 98.7  
3.745e+005

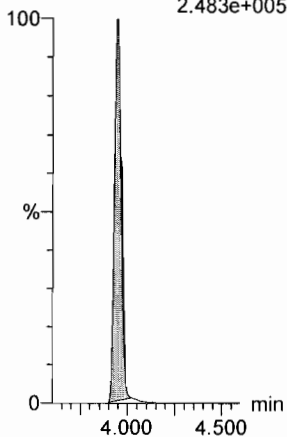


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
1.348e+006



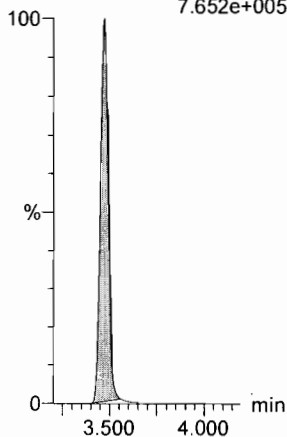
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.483e+005



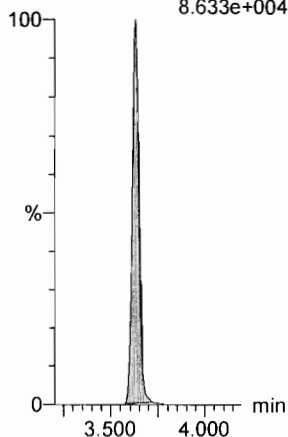
**13C4-PFHpA**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
7.652e+005



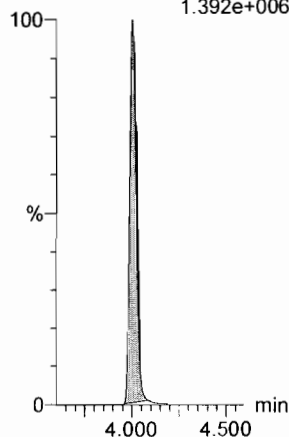
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
8.633e+004



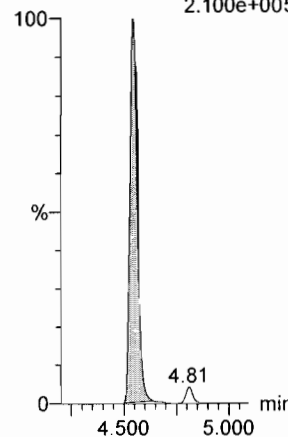
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.392e+006



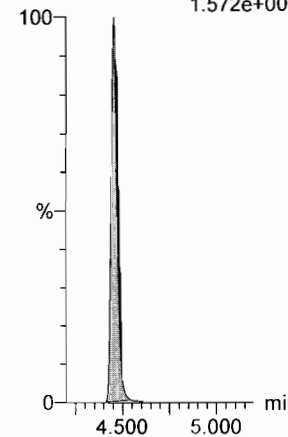
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.100e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.572e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

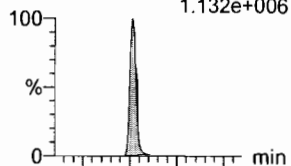
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

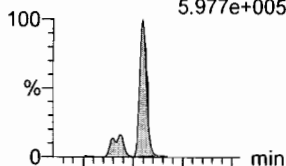
**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
1.132e+006



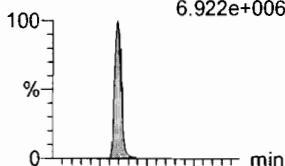
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
5.977e+005



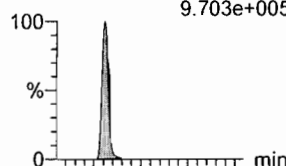
**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
6.922e+006



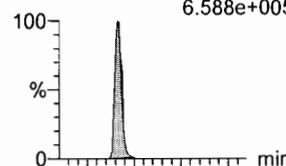
**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
9.703e+005



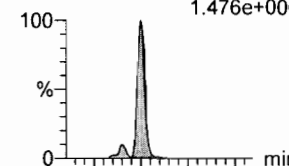
**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
6.588e+005

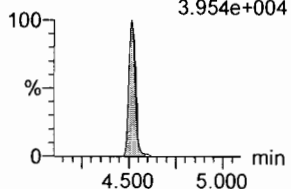


**L-MeFOSAA**

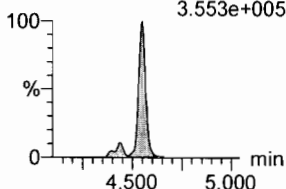
F48:MRM of 2 channels,ES-  
570 > 419  
1.476e+006



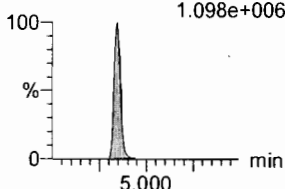
F30:MRM of 2 channels,ES-  
498 > 169  
3.954e+004



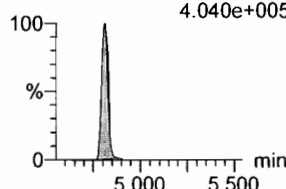
F32:MRM of 2 channels,ES-  
498.9 > 99  
3.553e+005



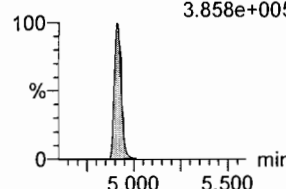
F37:MRM of 2 channels,ES-  
513 > 219  
1.098e+006



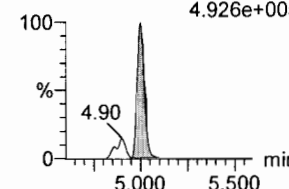
F42:MRM of 2 channels,ES-  
527 > 80  
4.040e+005



F45:MRM of 2 channels,ES-  
549.1 > 99.1  
3.858e+005

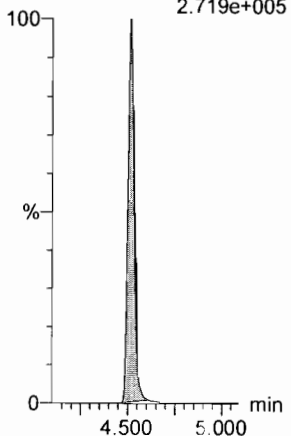


F48:MRM of 2 channels,ES-  
570. > 512  
4.926e+005



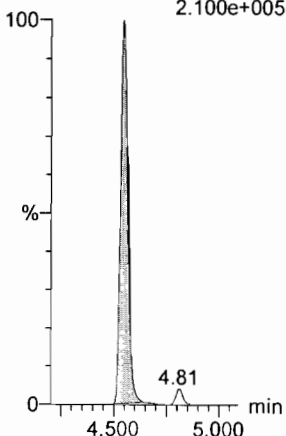
**13C8-PFOSA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
2.719e+005



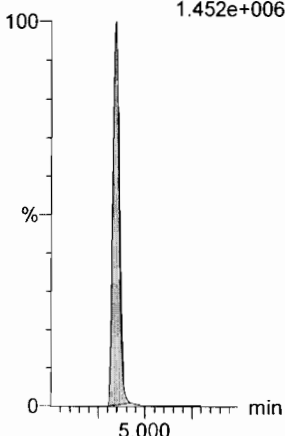
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.100e+005



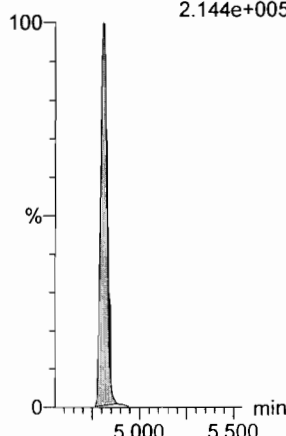
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.452e+006



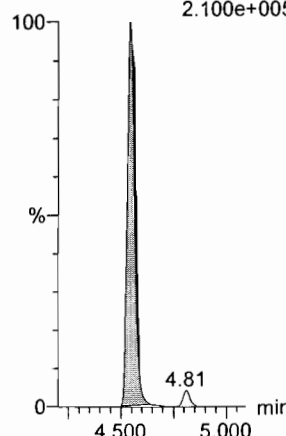
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.144e+005



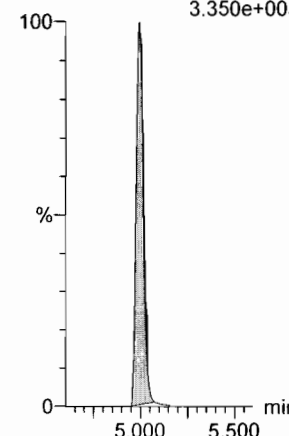
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.100e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
3.350e+005

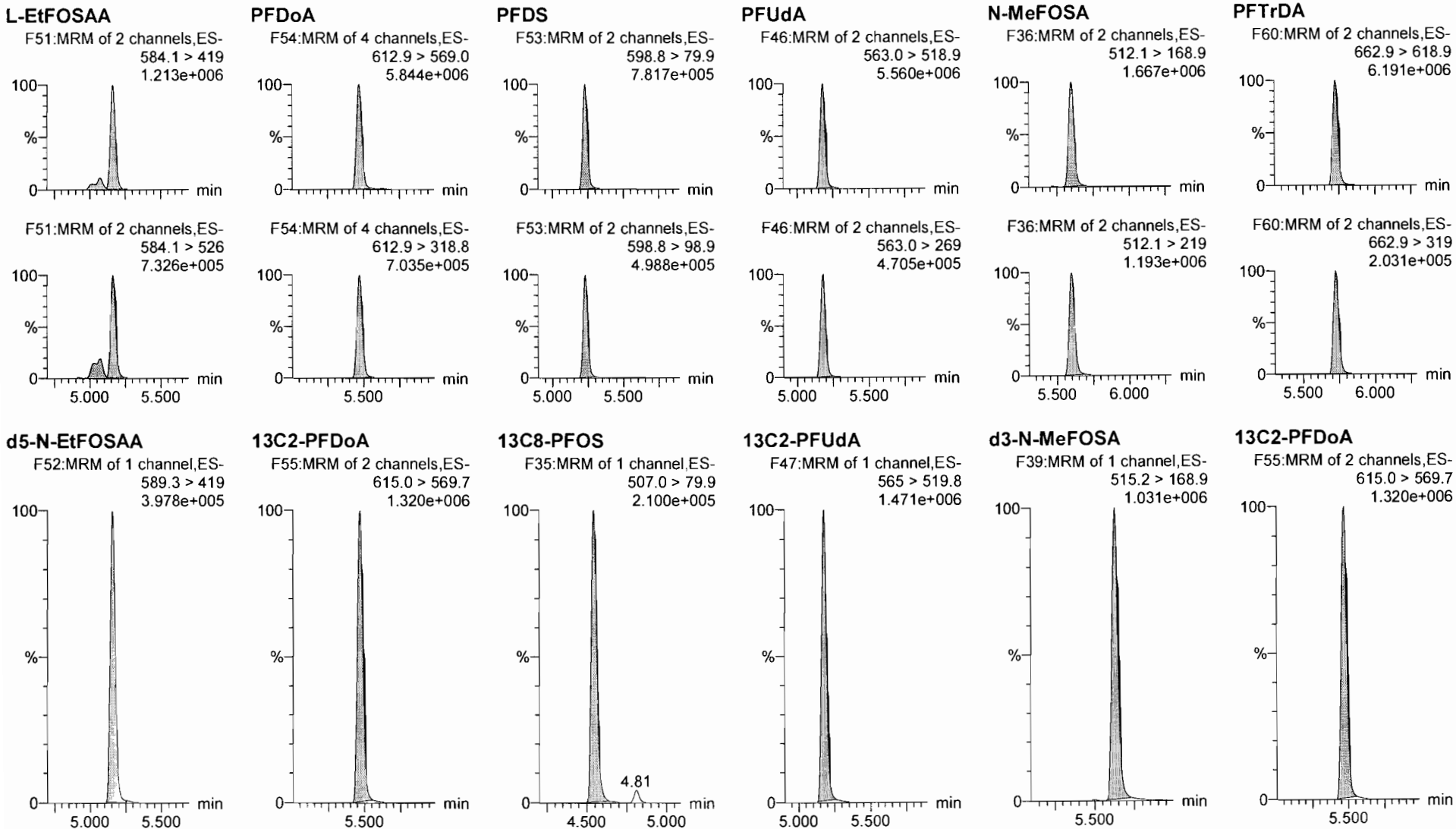


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

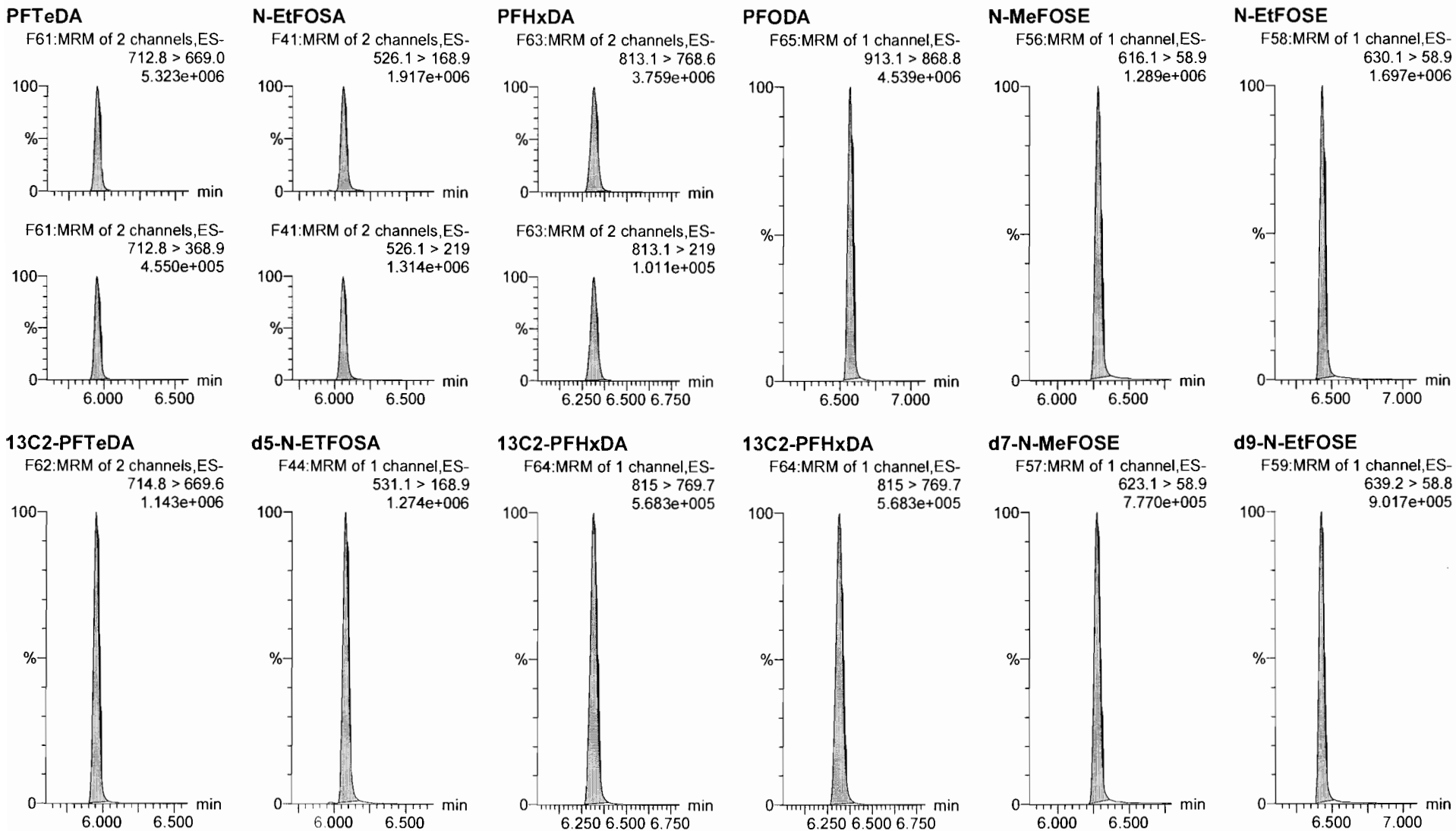


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

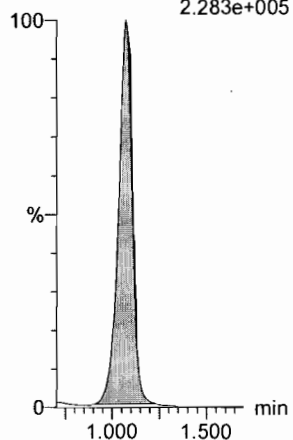
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_8, Date: 18-Aug-2018, Time: 16:18:53, ID: ST180818M2-7 PFC CS4 18H0907, Description: PFC CS4 18H0907

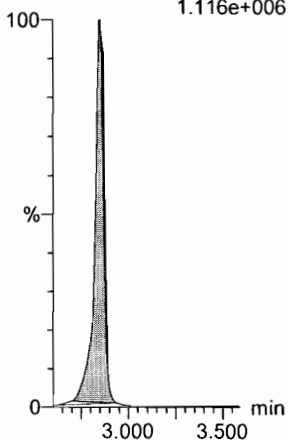
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.283e+005



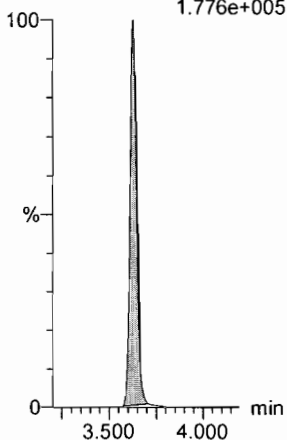
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.116e+006



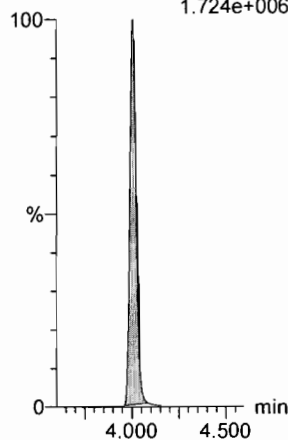
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.776e+005



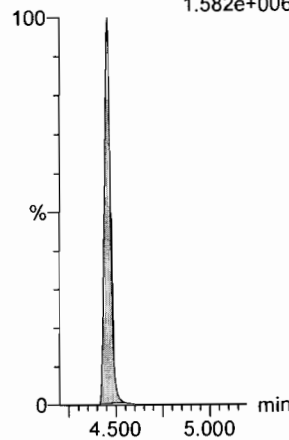
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.724e+006



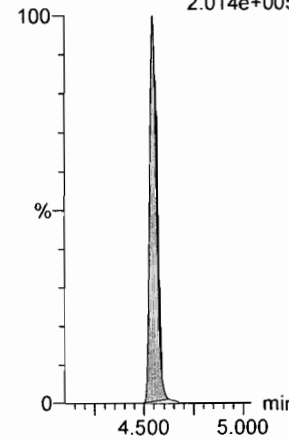
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.582e+006



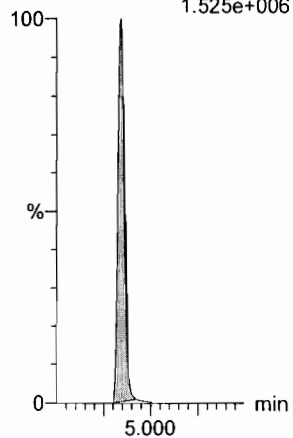
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.014e+005



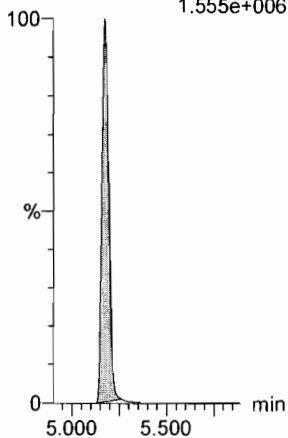
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.525e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.555e+006



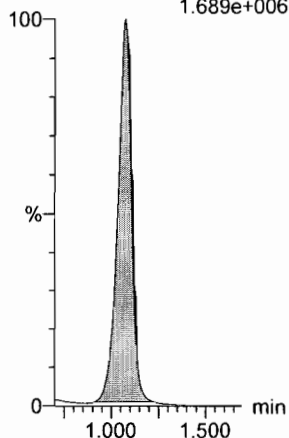
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time  
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908

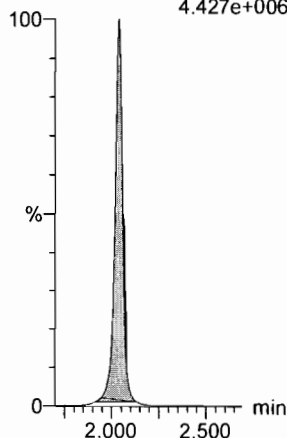
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
1.689e+006



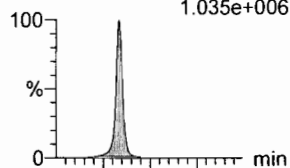
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
4.427e+006

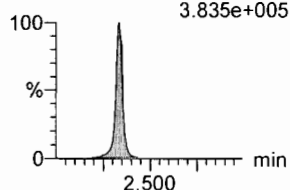


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
1.035e+006

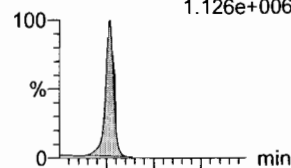


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
3.835e+005

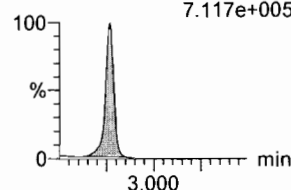


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
1.126e+006

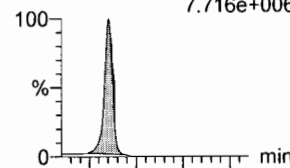


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
7.117e+005

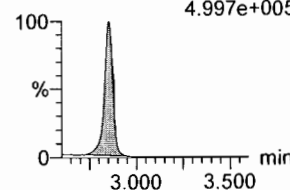


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
7.716e+006

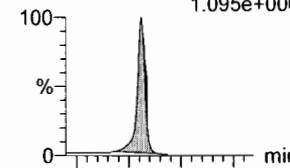


F9:MRM of 2 channels,ES-  
313 > 118.9  
4.997e+005

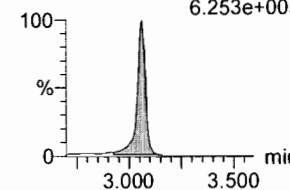


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
1.095e+006

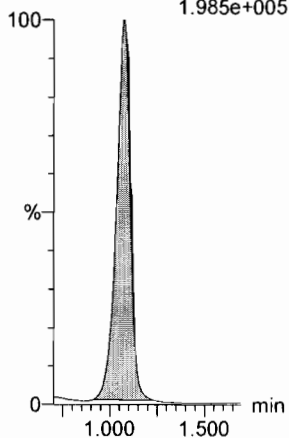


F15:MRM of 2 channels,ES-  
349.1 > 99  
6.253e+005



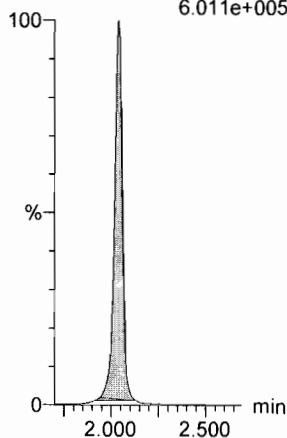
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
1.985e+005



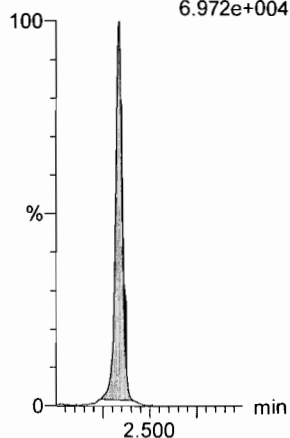
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.011e+005



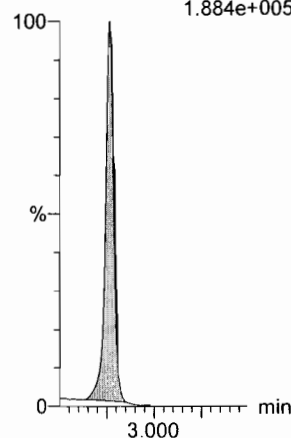
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
6.972e+004



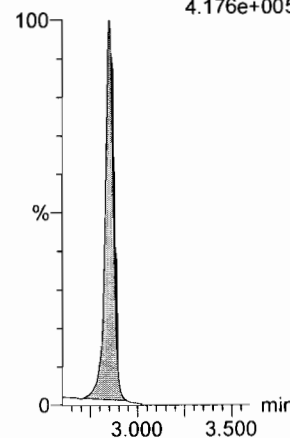
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.884e+005



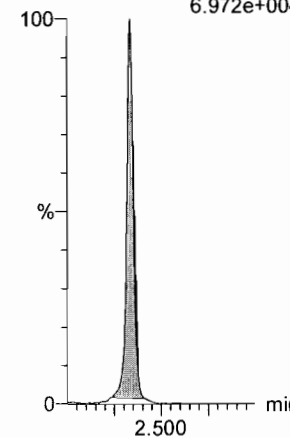
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
4.176e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
6.972e+004

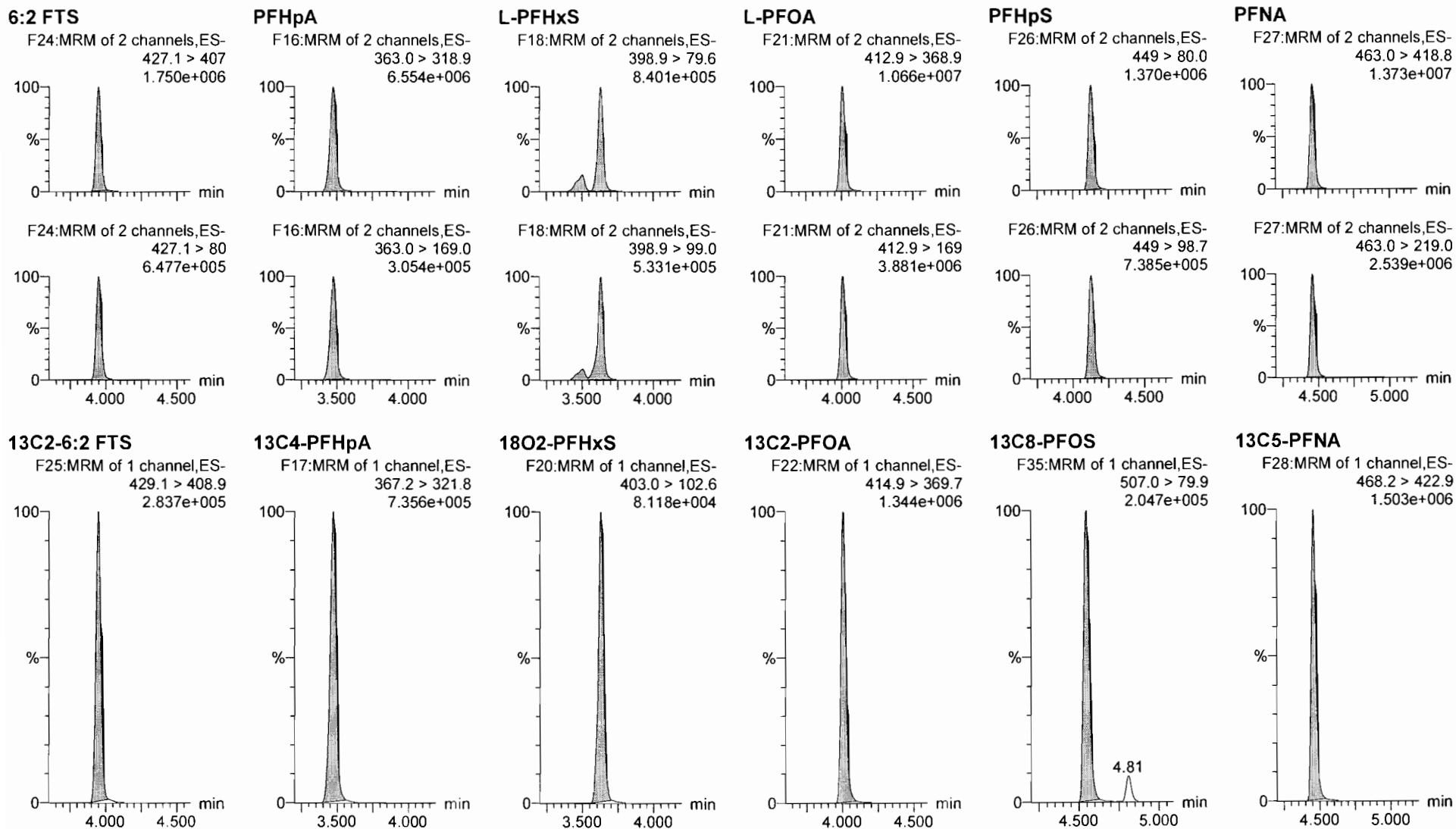


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

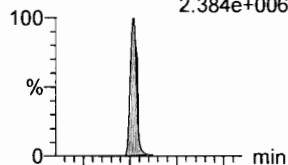
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908

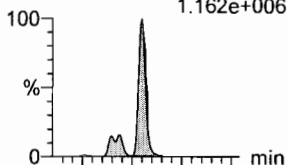
**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
2.384e+006



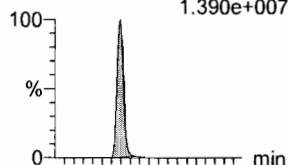
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
1.162e+006



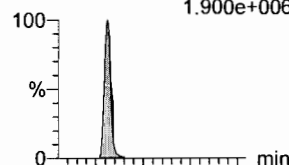
**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
1.390e+007



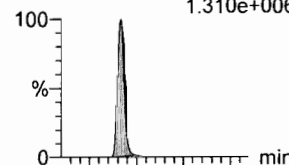
**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
1.900e+006



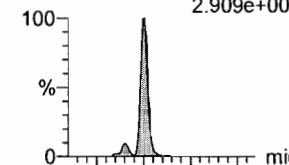
**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
1.310e+006

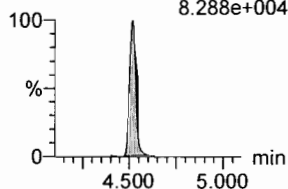


**L-MeFOSAA**

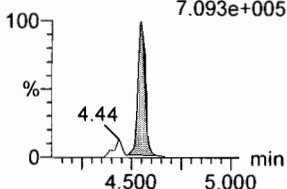
F48:MRM of 2 channels,ES-  
570 > 419  
2.909e+006



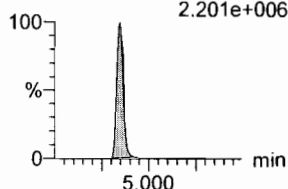
F30:MRM of 2 channels,ES-  
498 > 169  
8.288e+004



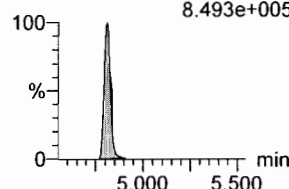
F32:MRM of 2 channels,ES-  
498.9 > 99  
7.093e+005



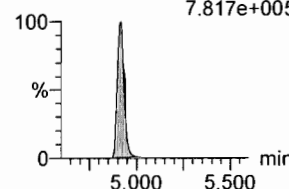
F37:MRM of 2 channels,ES-  
513 > 219  
2.201e+006



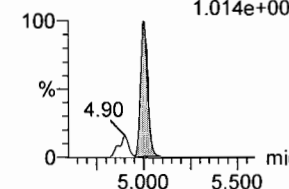
F42:MRM of 2 channels,ES-  
527 > 80  
8.493e+005



F45:MRM of 2 channels,ES-  
549.1 > 99.1  
7.817e+005

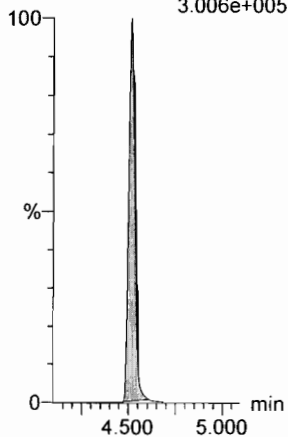


F48:MRM of 2 channels,ES-  
570. > 512  
1.014e+006



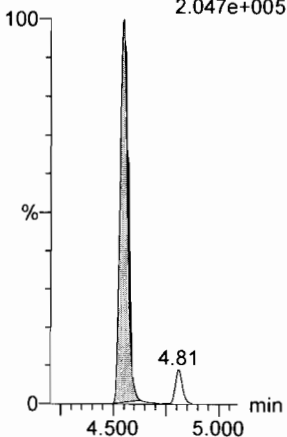
**13C8-PFOSA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
3.006e+005



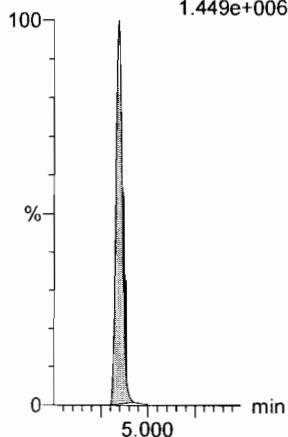
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.047e+005



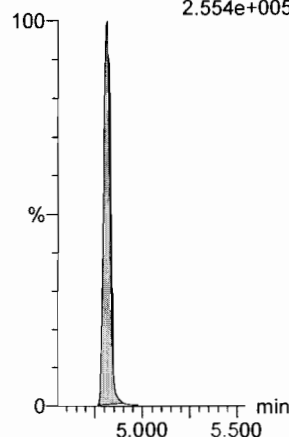
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.449e+006



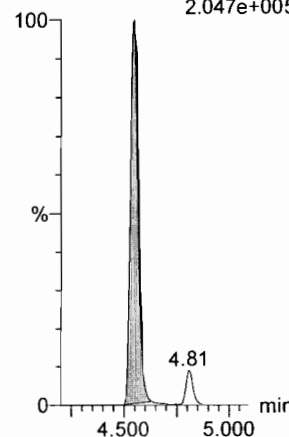
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.554e+005



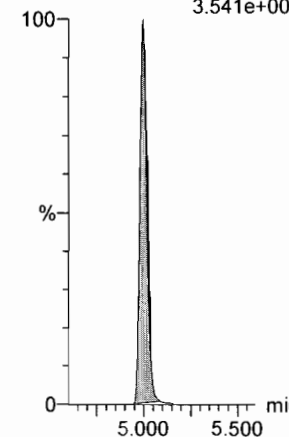
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.047e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
3.541e+005



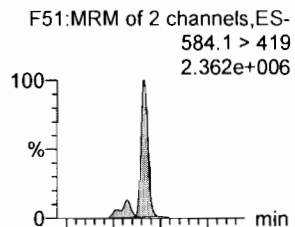
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

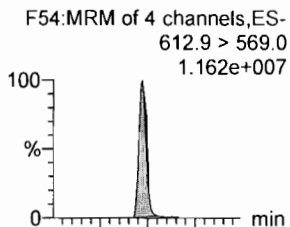
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908

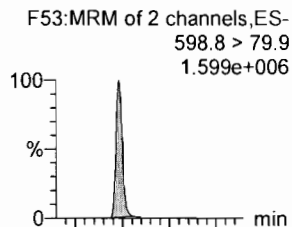
**L-EtFOSAA**



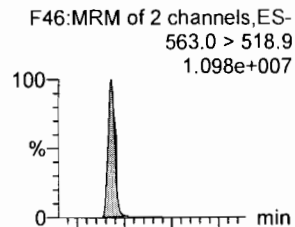
**PFDoA**



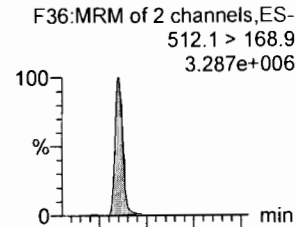
**PFDS**



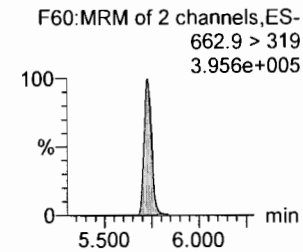
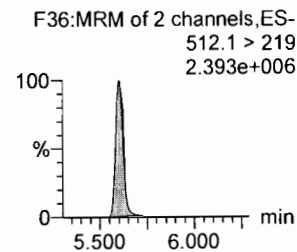
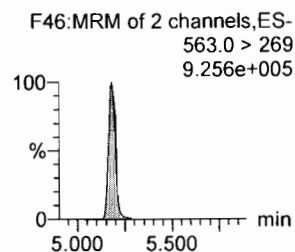
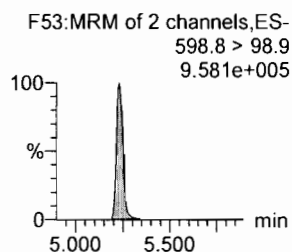
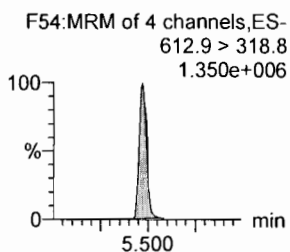
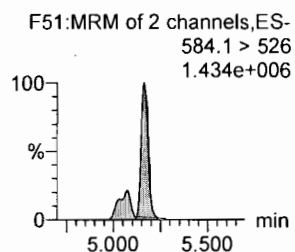
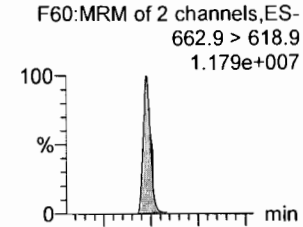
**PFUdA**



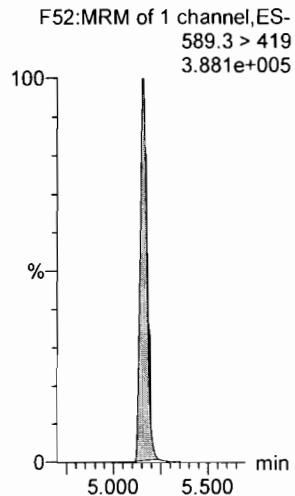
**N-MeFOSA**



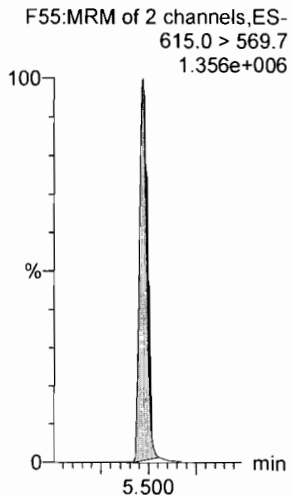
**PFTrDA**



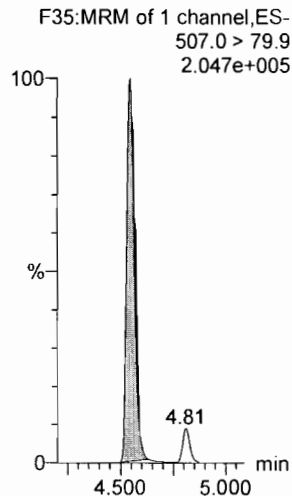
**d5-N-EtFOSAA**



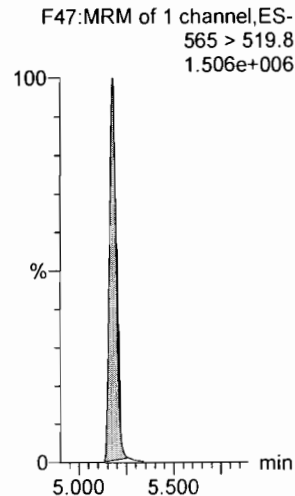
**13C2-PFDoA**



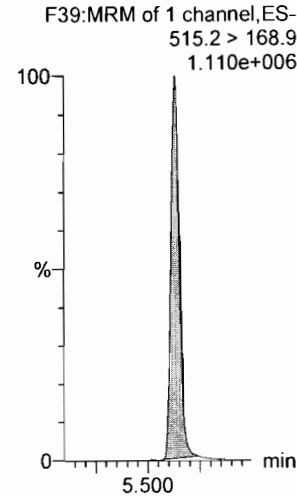
**13C8-PFOS**



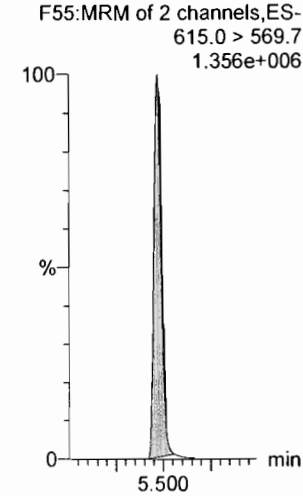
**13C2-PFUdA**



**d3-N-MeFOSA**



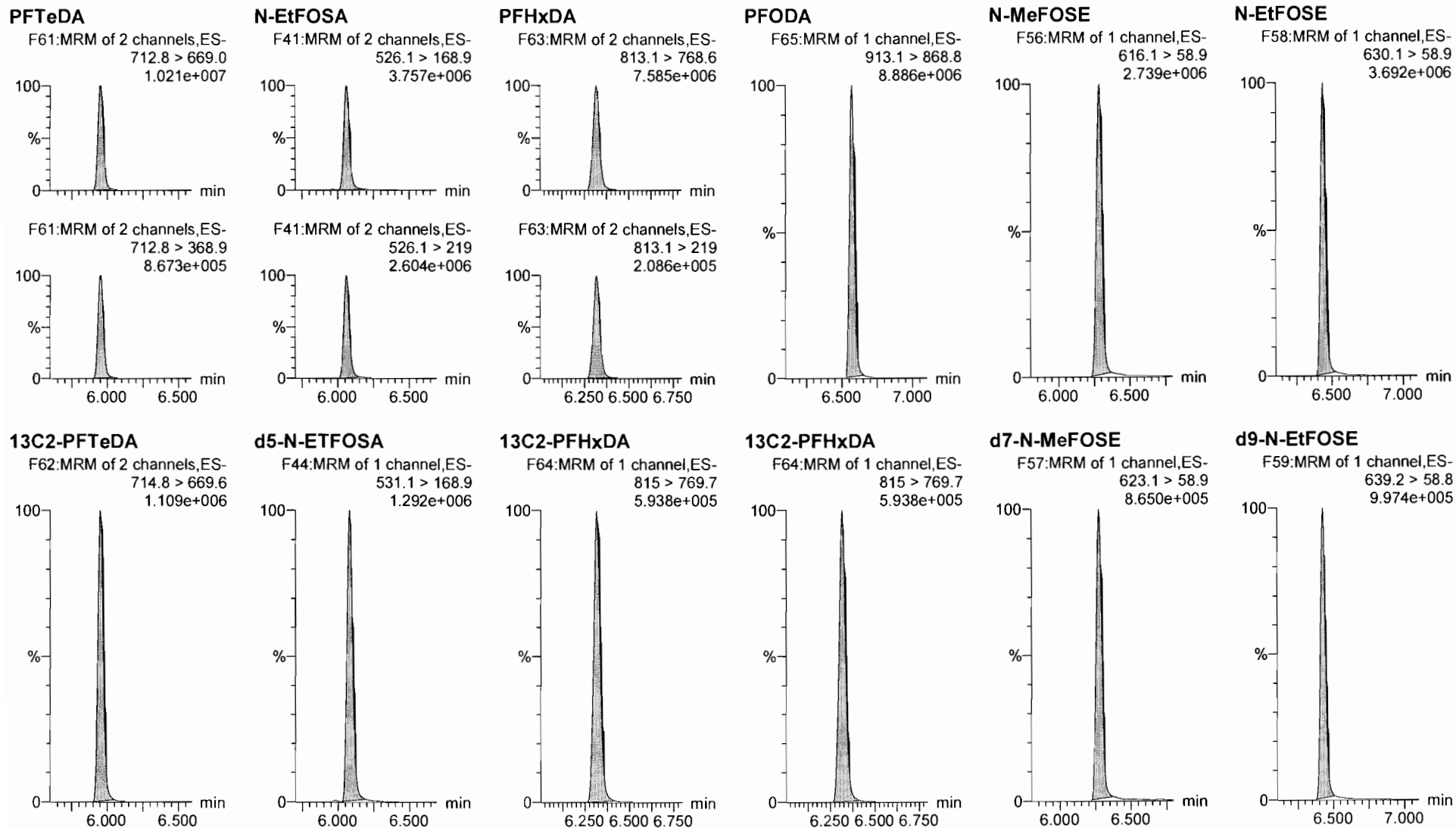
**13C2-PFDoA**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time  
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

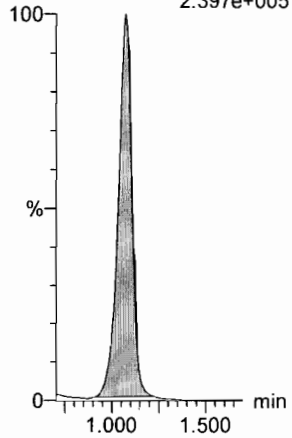
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_9, Date: 18-Aug-2018, Time: 16:29:34, ID: ST180818M2-8 PFC CS5 18H0908, Description: PFC CS5 18H0908

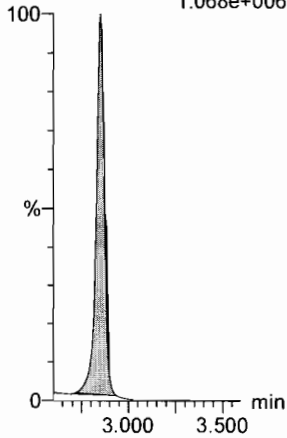
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.397e+005



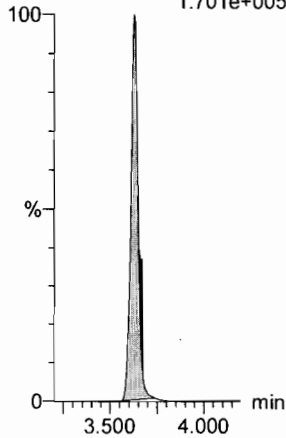
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.068e+006



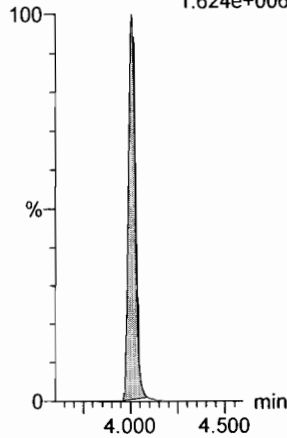
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.701e+005



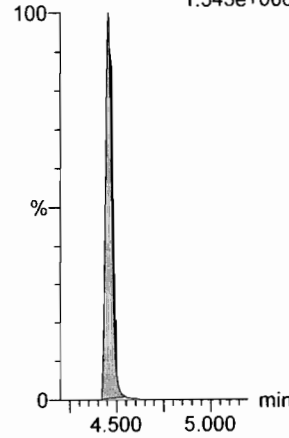
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.624e+006



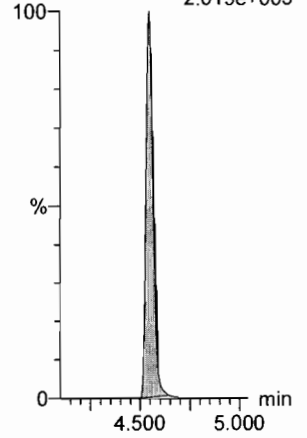
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.543e+006



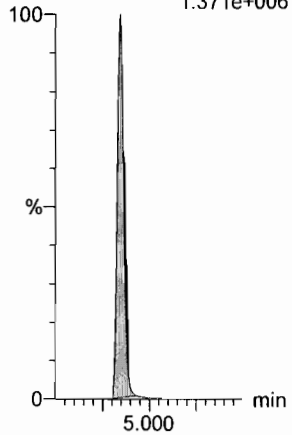
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.019e+005



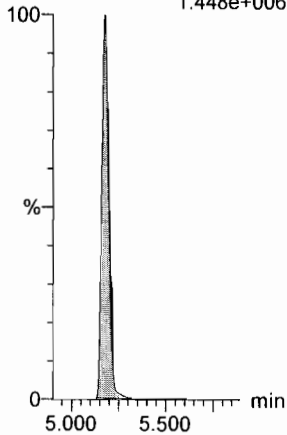
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.371e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.448e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

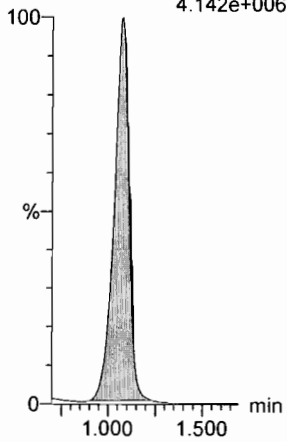
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

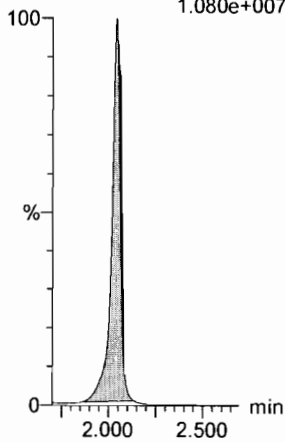
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
4.142e+006



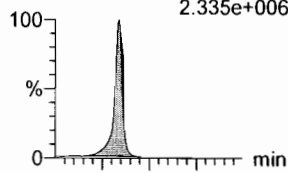
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
1.080e+007

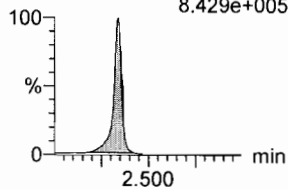


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
2.335e+006

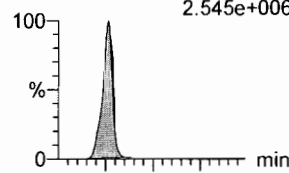


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
8.429e+005

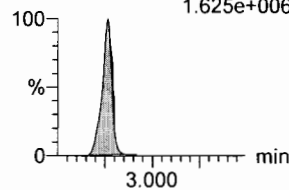


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
2.545e+006

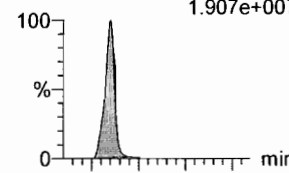


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
1.625e+006

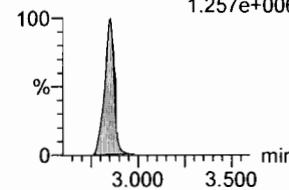


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
1.907e+007

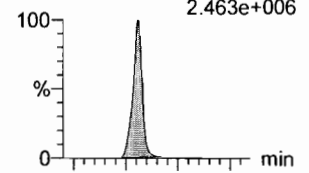


F9:MRM of 2 channels,ES-  
313 > 118.9  
1.257e+006

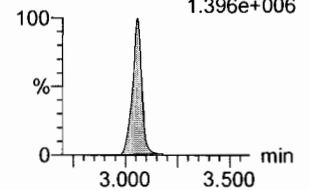


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
2.463e+006

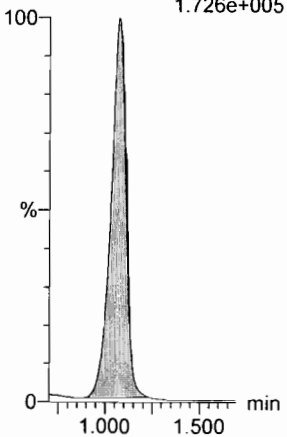


F15:MRM of 2 channels,ES-  
349.1 > 99  
1.396e+006



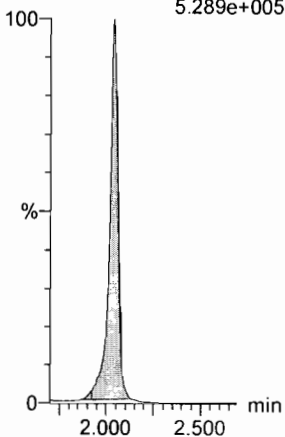
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
1.726e+005



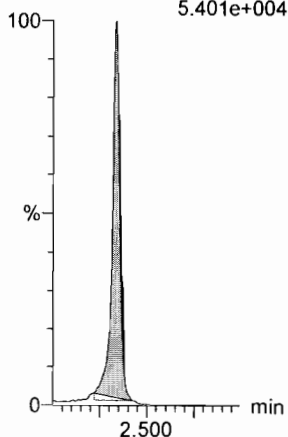
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
5.289e+005



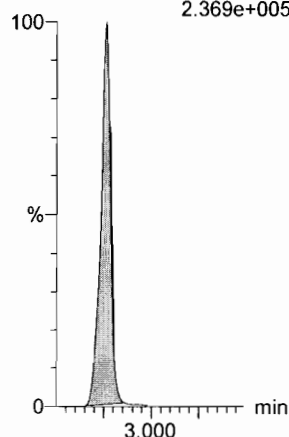
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
5.401e+004



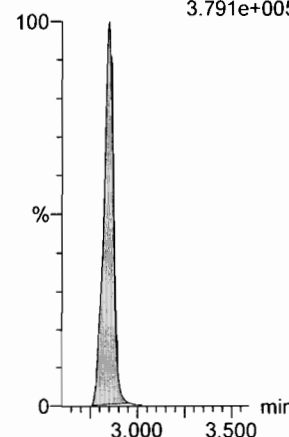
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
2.369e+005



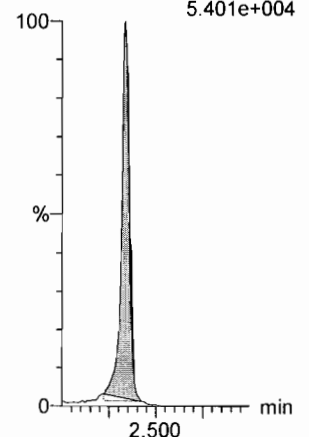
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
3.791e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
5.401e+004



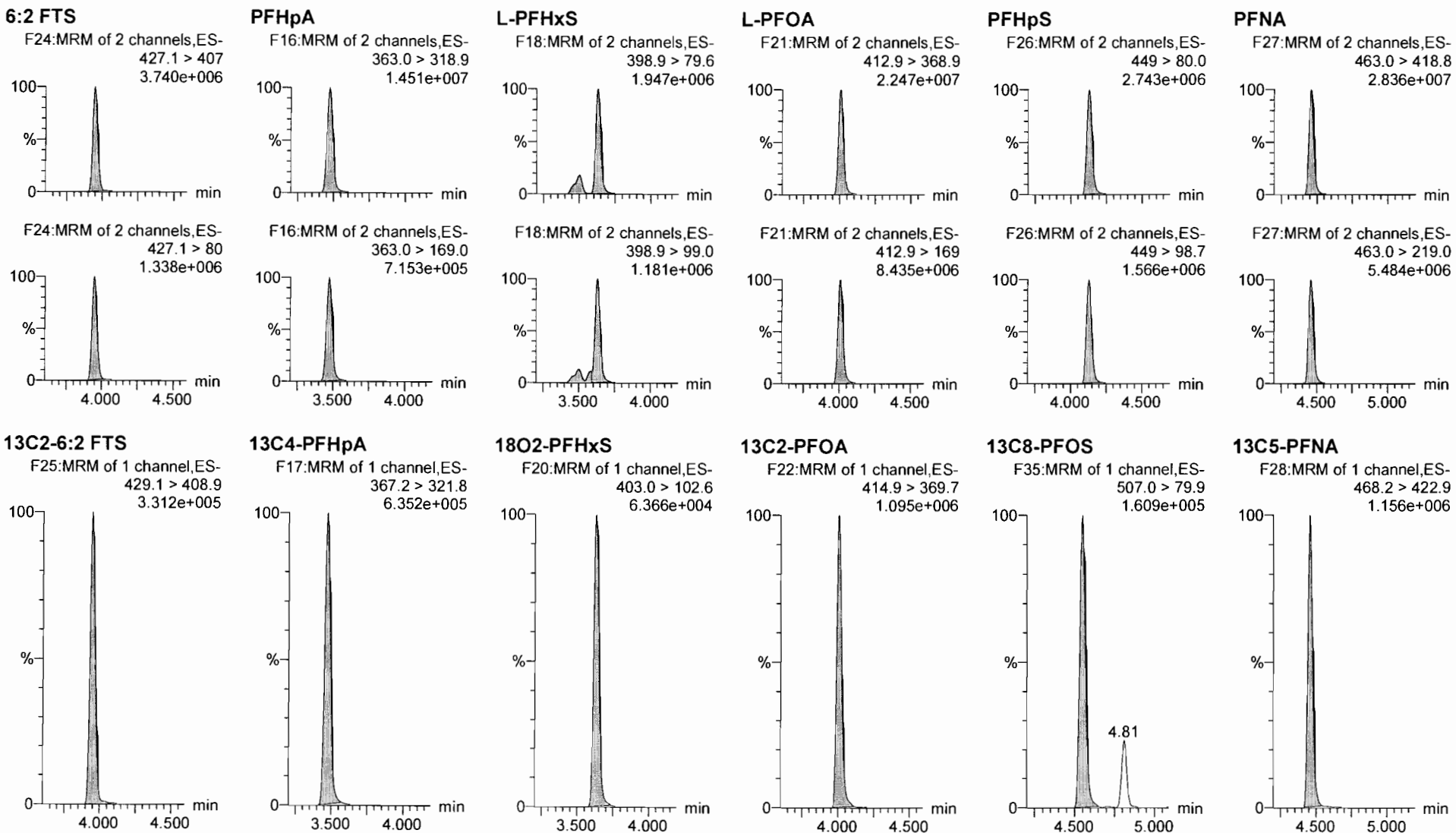


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

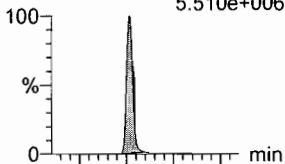
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

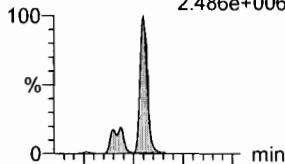
**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
5.510e+006



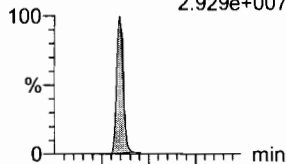
**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
2.486e+006



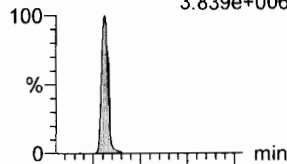
**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
2.929e+007



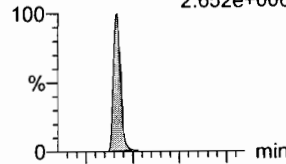
**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
3.839e+006



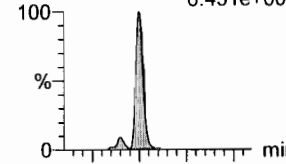
**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
2.652e+006

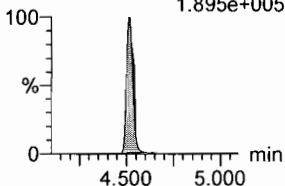


**L-MeFOSAA**

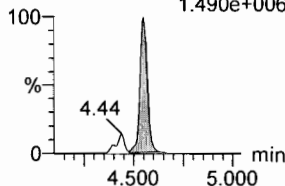
F48:MRM of 2 channels,ES-  
570 > 419  
6.431e+006



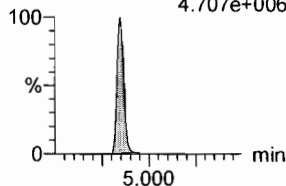
F30:MRM of 2 channels,ES-  
498 > 169  
1.895e+005



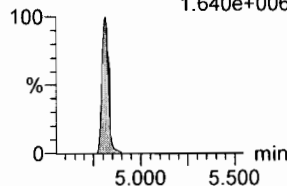
F32:MRM of 2 channels,ES-  
498.9 > 99  
1.490e+006



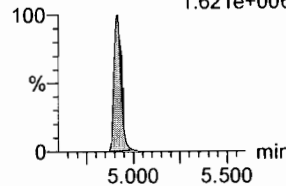
F37:MRM of 2 channels,ES-  
513 > 219  
4.707e+006



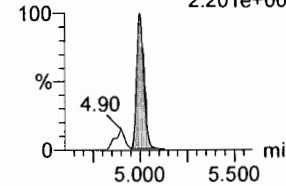
F42:MRM of 2 channels,ES-  
527 > 80  
1.640e+006



F45:MRM of 2 channels,ES-  
549.1 > 99.1  
1.621e+006

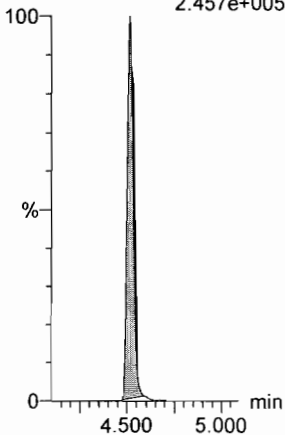


F48:MRM of 2 channels,ES-  
570. > 512  
2.201e+006



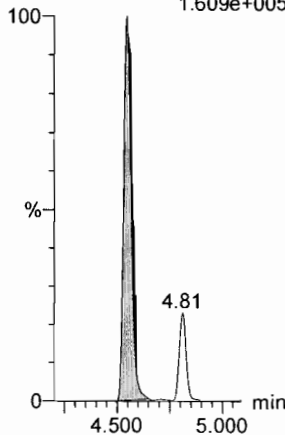
**13C8-PFOSA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
2.457e+005



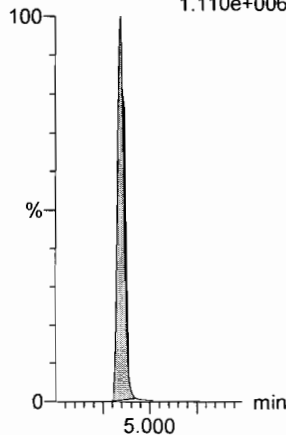
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.609e+005



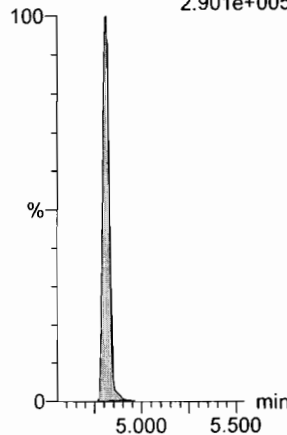
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.110e+006



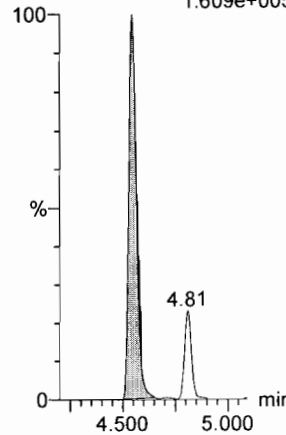
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.901e+005



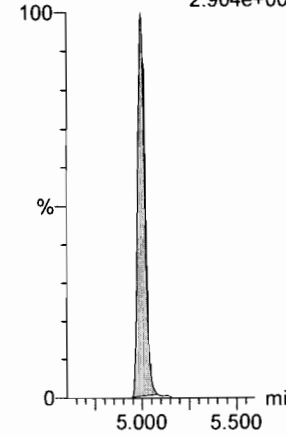
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.609e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
2.904e+005



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

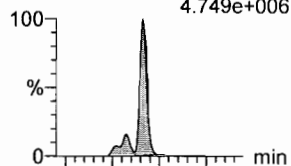
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

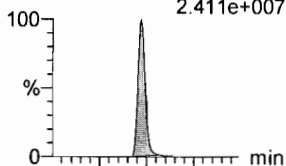
**L-EtFOSAA**

F51:MRM of 2 channels,ES-  
584.1 > 419  
4.749e+006



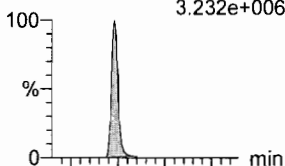
**PFDoA**

F54:MRM of 4 channels,ES-  
612.9 > 569.0  
2.411e+007



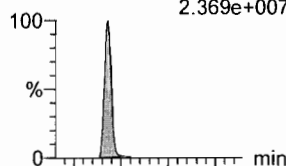
**PFDS**

F53:MRM of 2 channels,ES-  
598.8 > 79.9  
3.232e+006



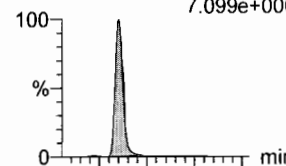
**PFUdA**

F46:MRM of 2 channels,ES-  
563.0 > 518.9  
2.369e+007



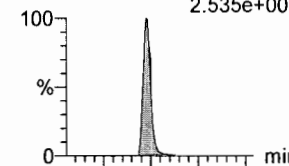
**N-MeFOSA**

F36:MRM of 2 channels,ES-  
512.1 > 168.9  
7.099e+006

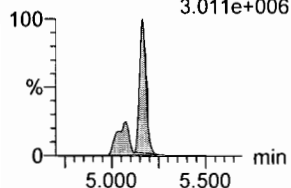


**PFTTrDA**

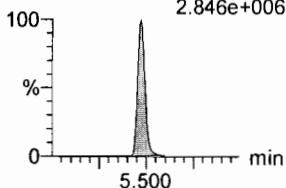
F60:MRM of 2 channels,ES-  
662.9 > 618.9  
2.535e+007



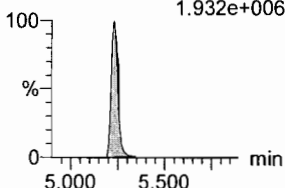
F51:MRM of 2 channels,ES-  
584.1 > 526  
3.011e+006



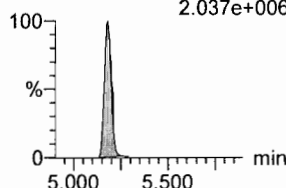
F54:MRM of 4 channels,ES-  
612.9 > 318.8  
2.846e+006



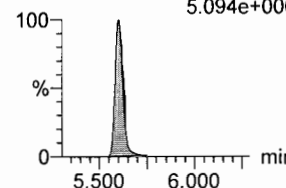
F53:MRM of 2 channels,ES-  
598.8 > 98.9  
1.932e+006



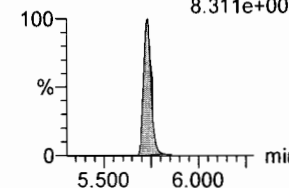
F46:MRM of 2 channels,ES-  
563.0 > 269  
2.037e+006



F36:MRM of 2 channels,ES-  
512.1 > 219  
5.094e+006

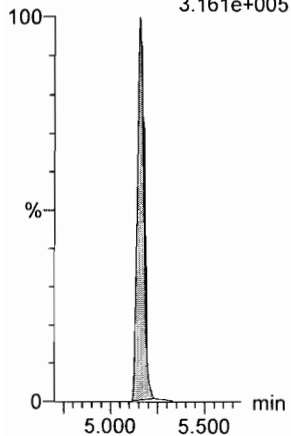


F60:MRM of 2 channels,ES-  
662.9 > 319  
8.311e+005



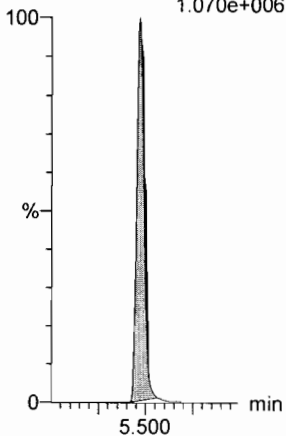
**d5-N-EtFOSAA**

F52:MRM of 1 channel,ES-  
589.3 > 419  
3.161e+005



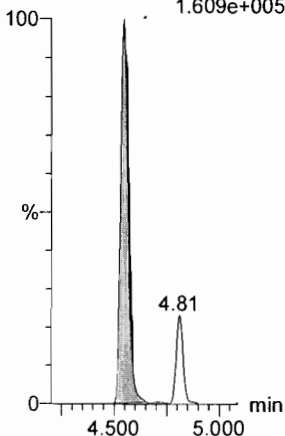
**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.070e+006



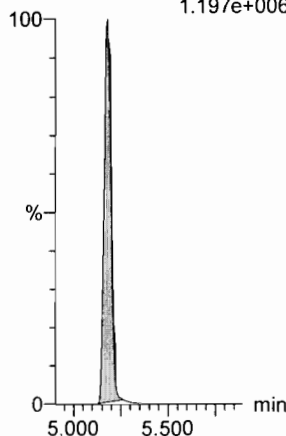
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.609e+005



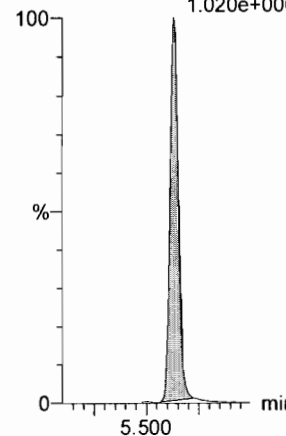
**13C2-PFUdA**

F47:MRM of 1 channel,ES-  
565 > 519.8  
1.197e+006



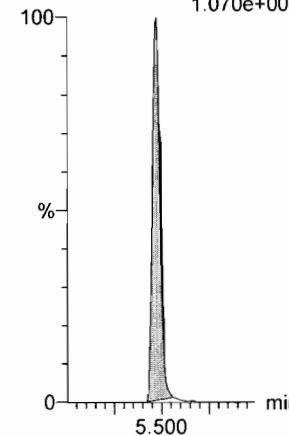
**d3-N-MeFOSA**

F39:MRM of 1 channel,ES-  
515.2 > 168.9  
1.020e+006



**13C2-PFDoA**

F55:MRM of 2 channels,ES-  
615.0 > 569.7  
1.070e+006



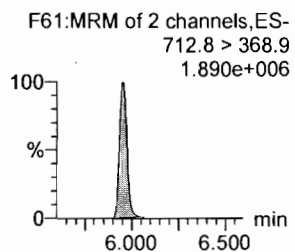
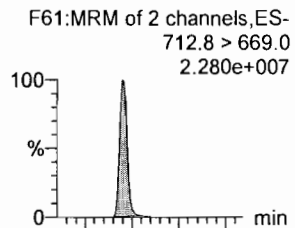
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

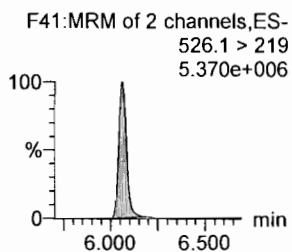
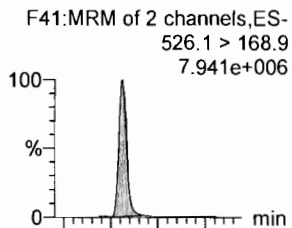
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

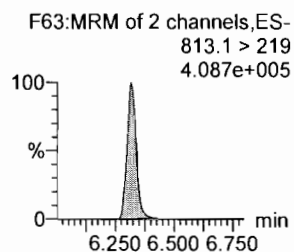
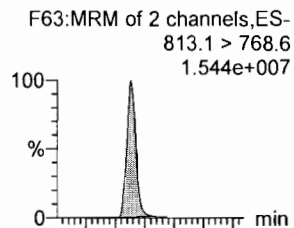
**PFTeDA**



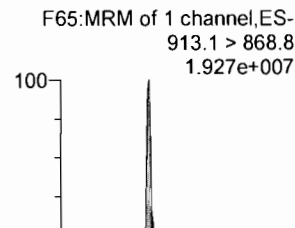
**N-EtFOSA**



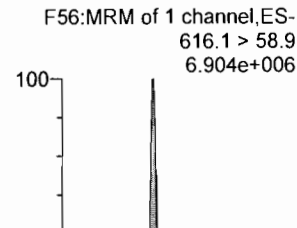
**PFHxDA**



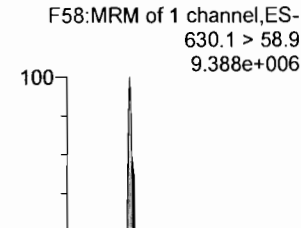
**PFODA**



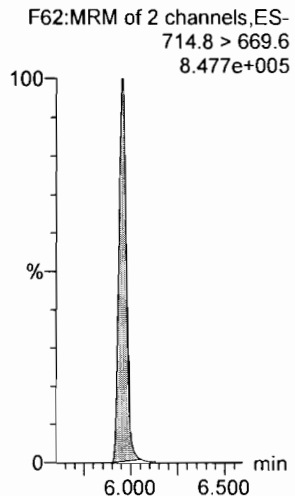
**N-MeFOSE**



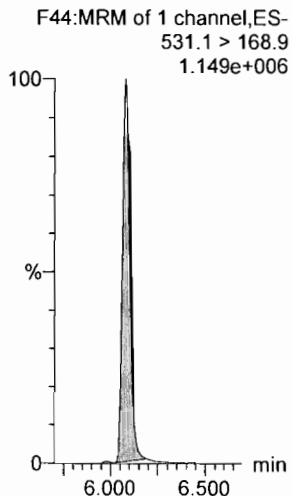
**N-EtFOSE**



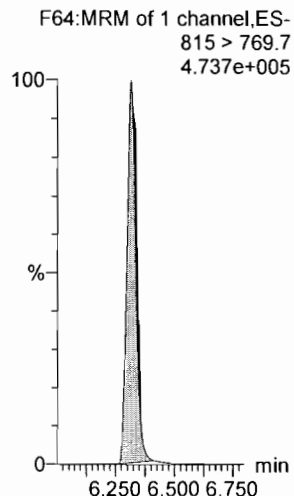
**13C2-PFTeDA**



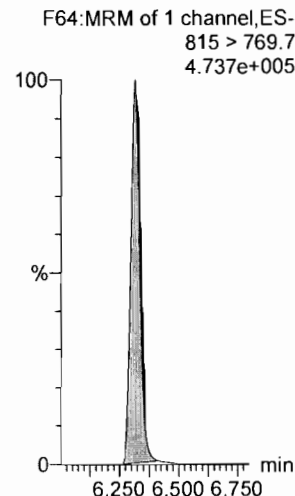
**d5-N-ETFOSE**



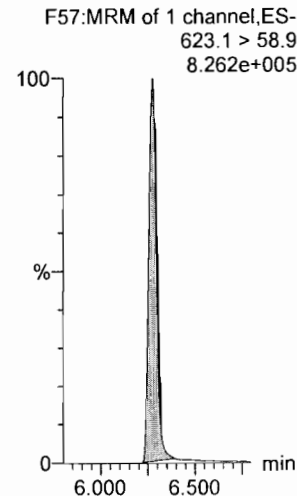
**13C2-PFHxDA**



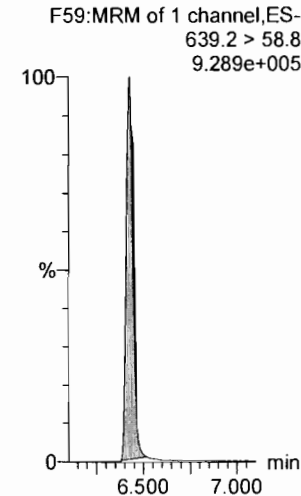
**13C2-PFHxDA**



**d7-N-MeFOSE**



**d9-N-EtFOSE**



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

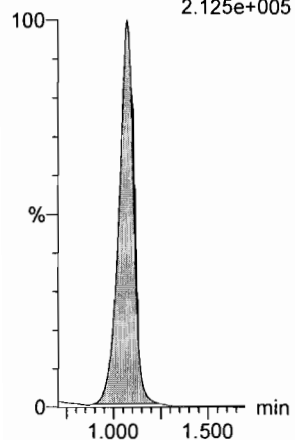
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_10, Date: 18-Aug-2018, Time: 16:40:21, ID: ST180818M2-9 PFC CS6 18H0909, Description: PFC CS6 18H0909

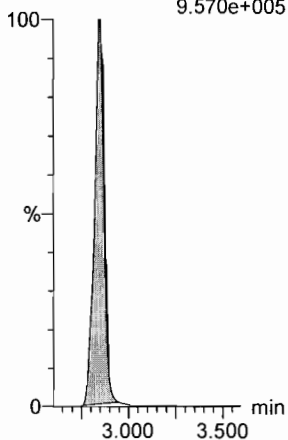
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.125e+005



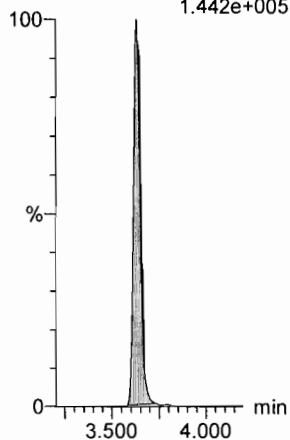
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
9.570e+005



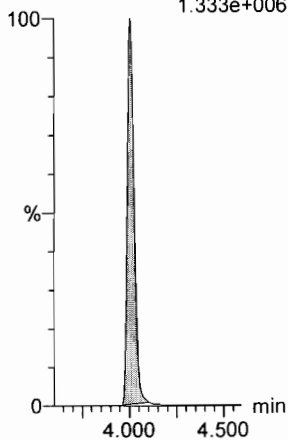
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.442e+005



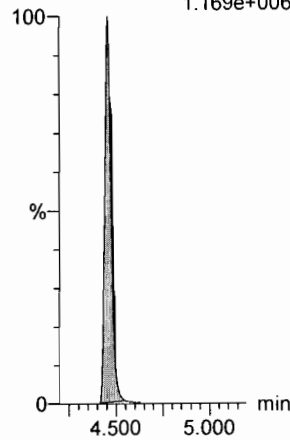
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.333e+006



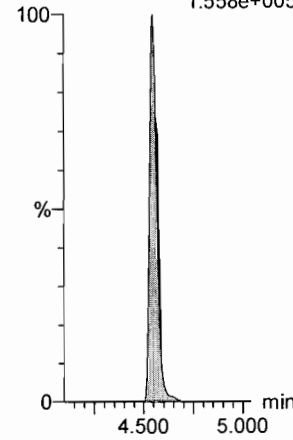
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.169e+006



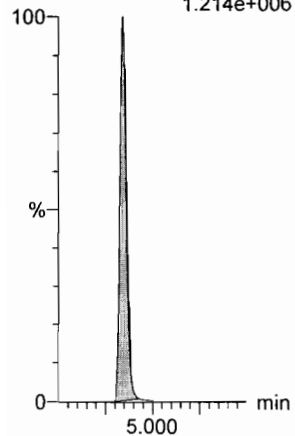
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.558e+005



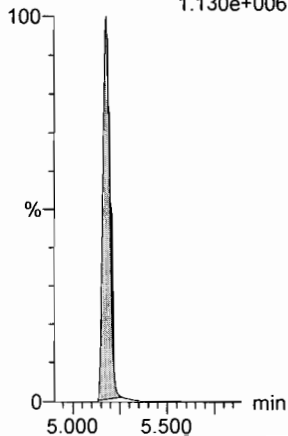
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.214e+006



**13C7-PFuDA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.130e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

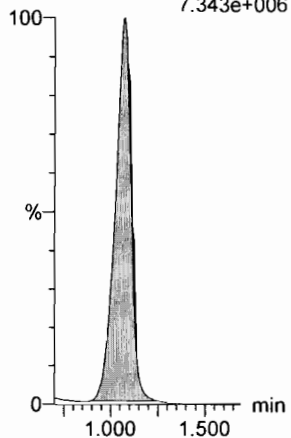
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910

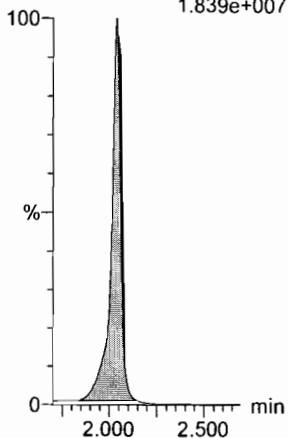
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
7.343e+006



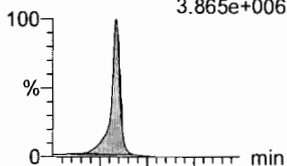
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
1.839e+007

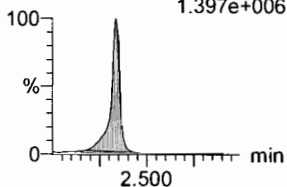


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
3.865e+006

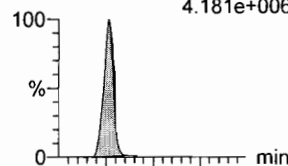


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
1.397e+006

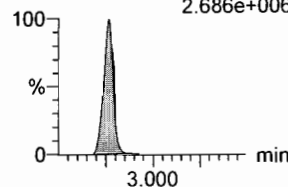


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
4.181e+006

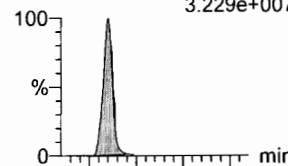


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
2.686e+006

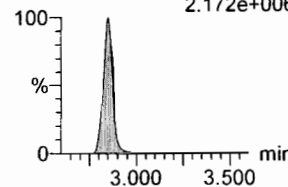


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
3.229e+007

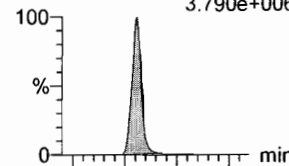


F9:MRM of 2 channels,ES-  
313 > 118.9  
2.172e+006

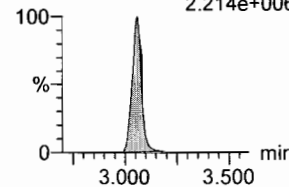


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
3.790e+006

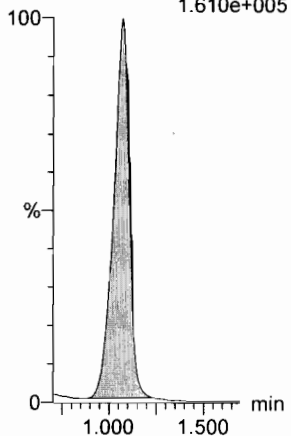


F15:MRM of 2 channels,ES-  
349.1 > 99  
2.214e+006



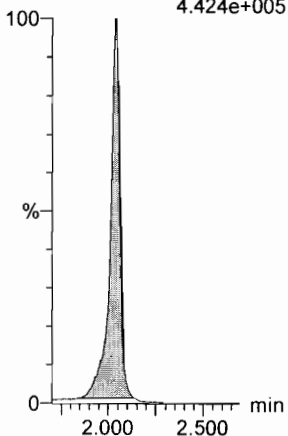
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
1.610e+005



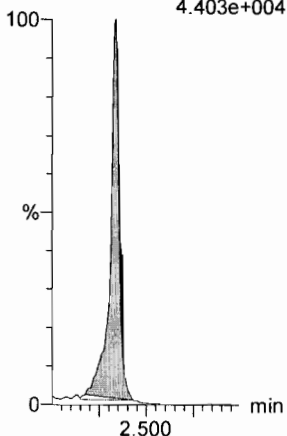
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
4.424e+005



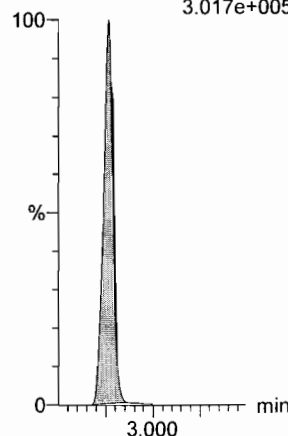
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
4.403e+004



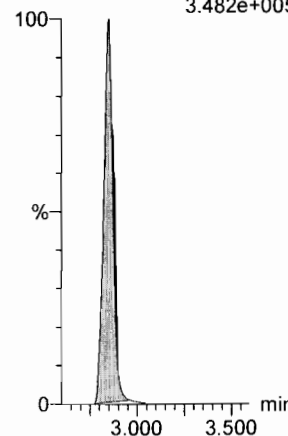
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
3.017e+005



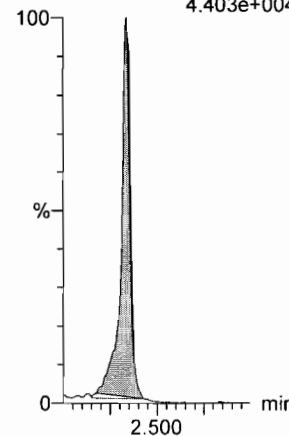
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
3.482e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
4.403e+004



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

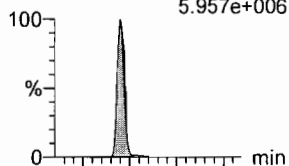
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910

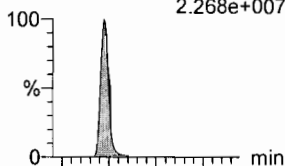
**6:2 FTS**

F24:MRM of 2 channels,ES-  
427.1 > 407  
5.957e+006



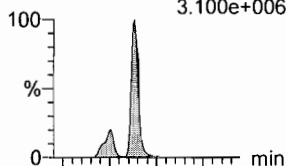
**PFHpA**

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
2.268e+007



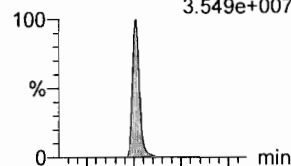
**L-PFHxS**

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
3.100e+006



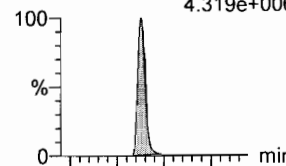
**L-PFOA**

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
3.549e+007



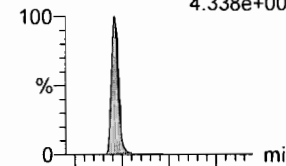
**PFHpS**

F26:MRM of 2 channels,ES-  
449 > 80.0  
4.319e+006

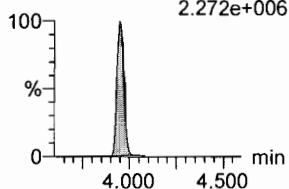


**PFNA**

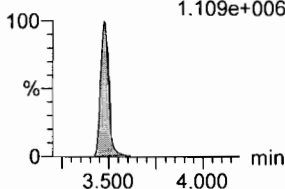
F27:MRM of 2 channels,ES-  
463.0 > 418.8  
4.338e+007



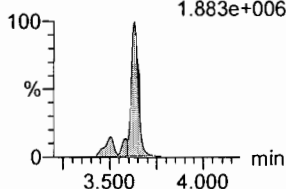
F24:MRM of 2 channels,ES-  
427.1 > 80  
2.272e+006



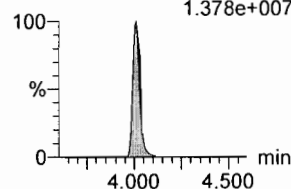
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
1.109e+006



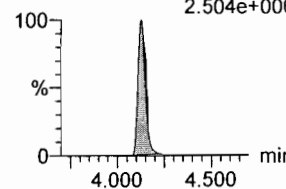
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
1.883e+006



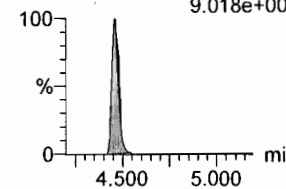
F21:MRM of 2 channels,ES-  
412.9 > 169  
1.378e+007



F26:MRM of 2 channels,ES-  
449 > 98.7  
2.504e+006

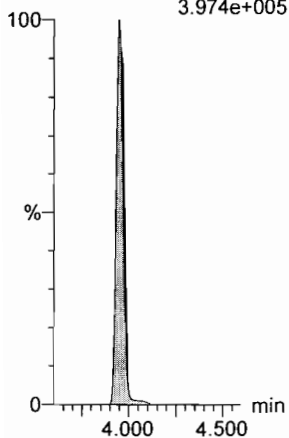


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
9.018e+006



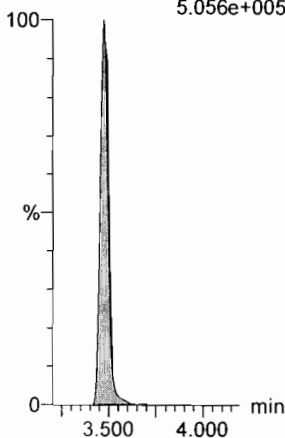
**13C2-6:2 FTS**

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
3.974e+005



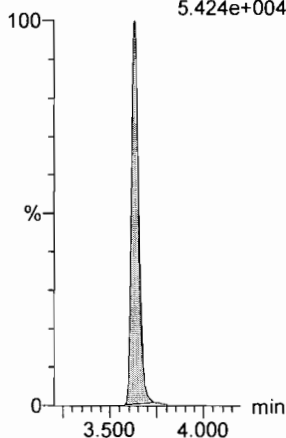
**13C4-PFHpa**

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
5.056e+005



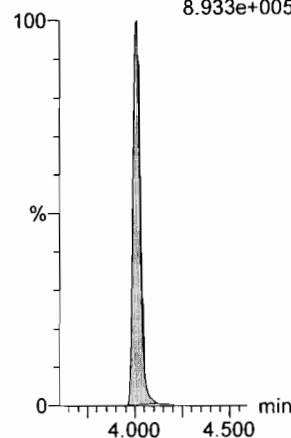
**18O2-PFHxS**

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
5.424e+004



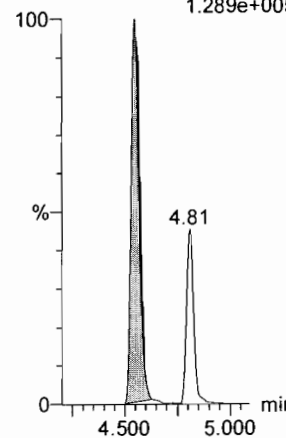
**13C2-PFOA**

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
8.933e+005



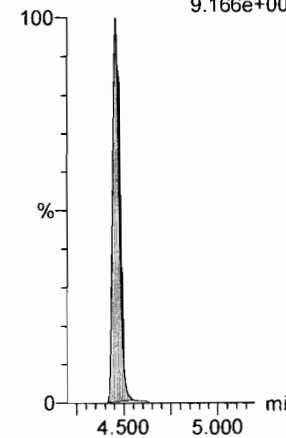
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.289e+005



**13C5-PFNA**

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
9.166e+005



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

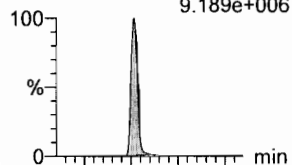
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

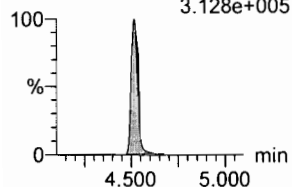
Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910

**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
9.189e+006

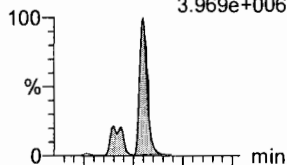


F30:MRM of 2 channels,ES-  
498 > 169  
3.128e+005

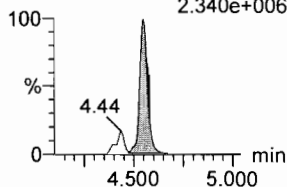


**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
3.969e+006

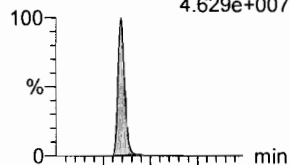


F32:MRM of 2 channels,ES-  
498.9 > 99  
2.340e+006

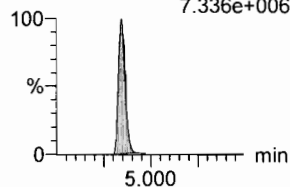


**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
4.629e+007

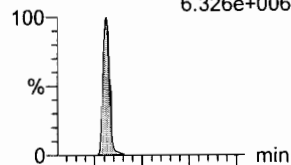


F37:MRM of 2 channels,ES-  
513 > 219  
7.336e+006

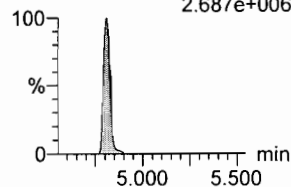


**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
6.326e+006

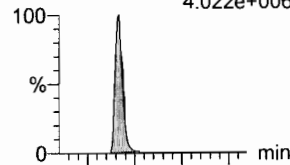


F42:MRM of 2 channels,ES-  
527 > 80  
2.687e+006

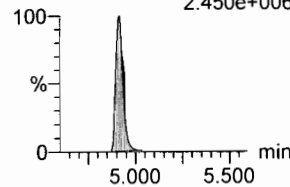


**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
4.022e+006

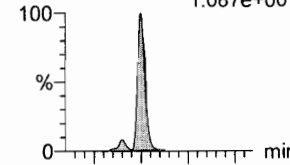


F45:MRM of 2 channels,ES-  
549.1 > 99.1  
2.450e+006

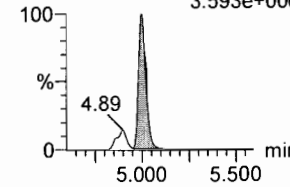


**L-MeFOSAA**

F48:MRM of 2 channels,ES-  
570 > 419  
1.087e+007

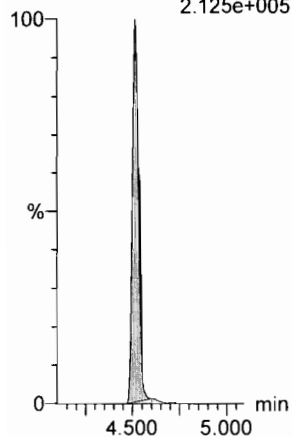


F48:MRM of 2 channels,ES-  
570. > 512  
3.593e+006



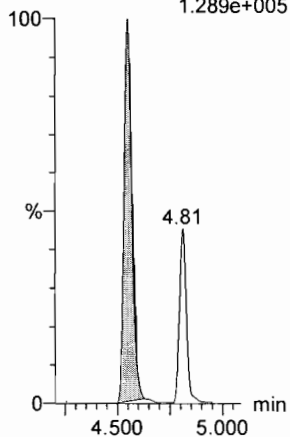
**13C8-PFOA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
2.125e+005



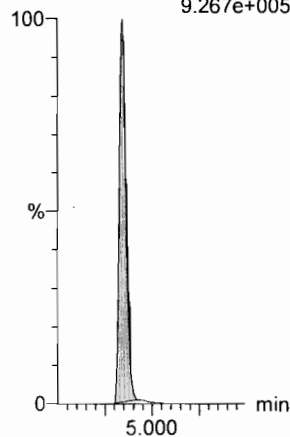
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.289e+005



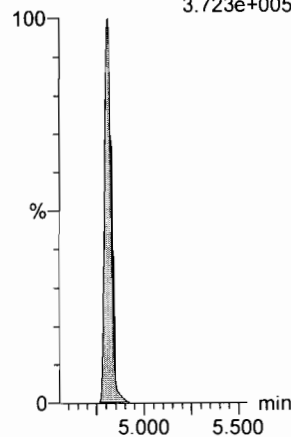
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
9.267e+005



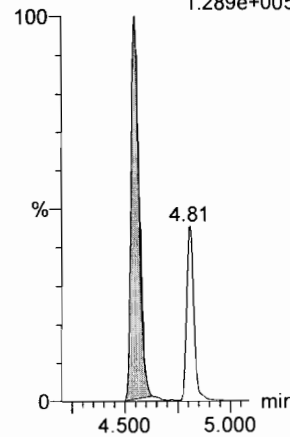
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
3.723e+005



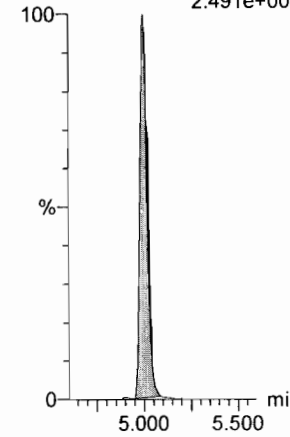
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
1.289e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
2.491e+005





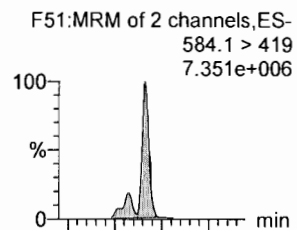
Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

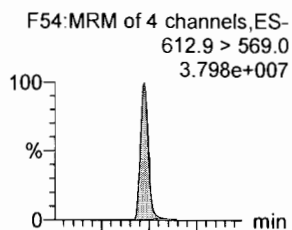
Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910

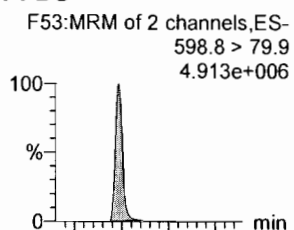
**L-EtFOSAA**



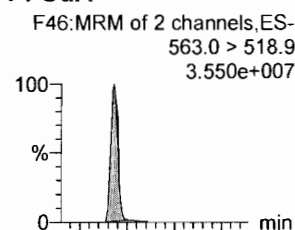
**PFDaA**



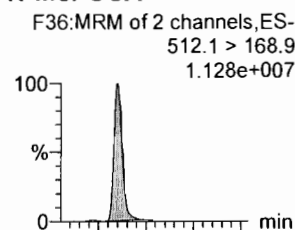
**PFDS**



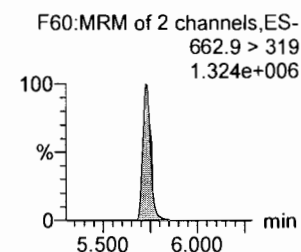
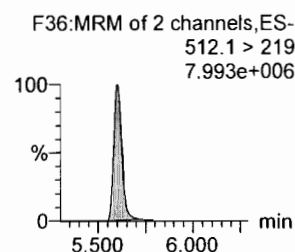
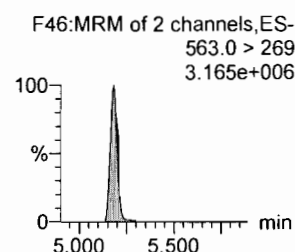
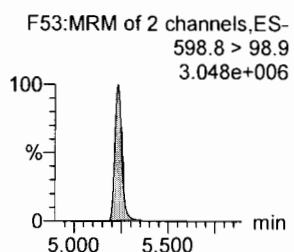
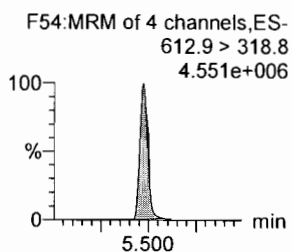
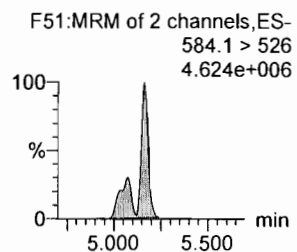
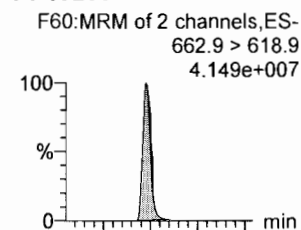
**PFUdA**



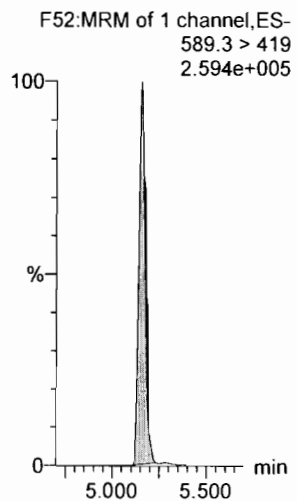
**N-MeFOSA**



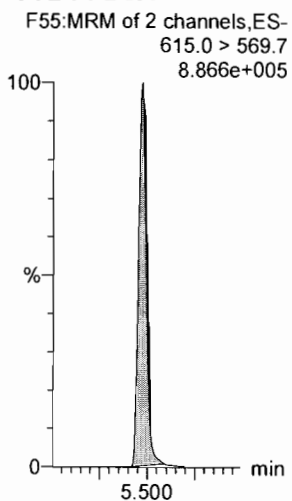
**PFTrDA**



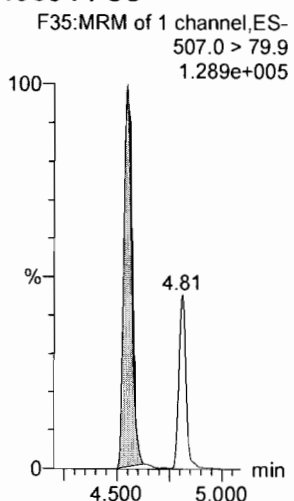
**d5-N-EtFOSAA**



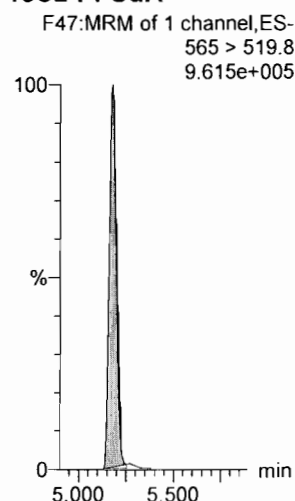
**13C2-PFDaA**



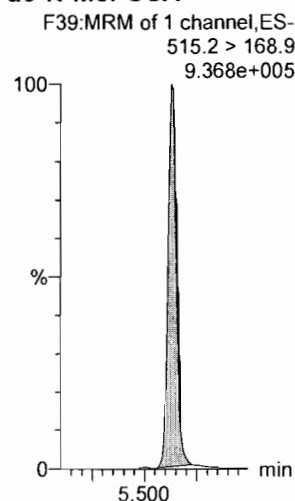
**13C8-PFOS**



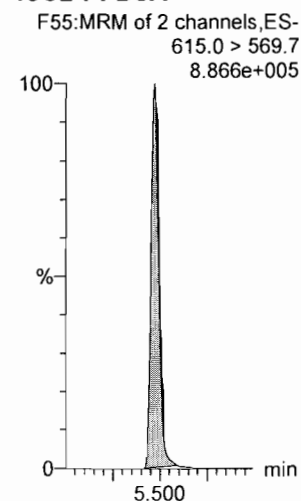
**13C2-PFUdA**



**d3-N-MeFOSA**



**13C2-PFDaA**

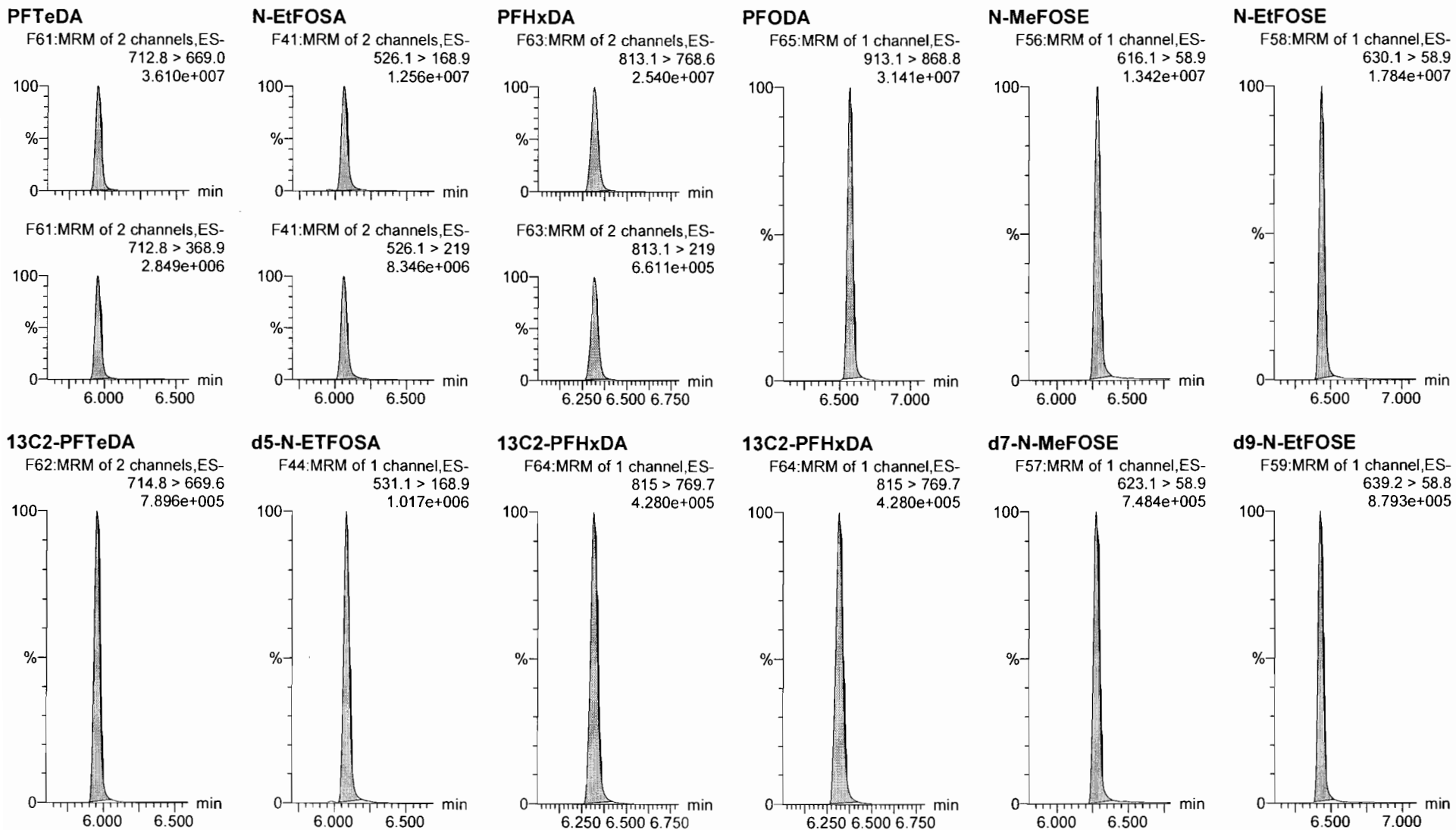


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-CRV.qld

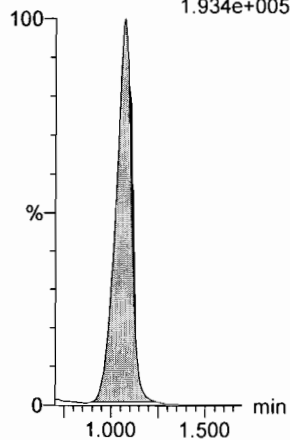
Last Altered: Sunday, August 19, 2018 11:01:28 Pacific Daylight Time

Printed: Sunday, August 19, 2018 11:33:46 Pacific Daylight Time

Name: 180818M2\_11, Date: 18-Aug-2018, Time: 16:51:02, ID: ST180818M2-10 PFC CS7 18H0910, Description: PFC CS7 18H0910

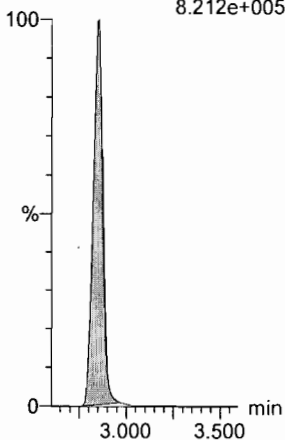
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
1.934e+005



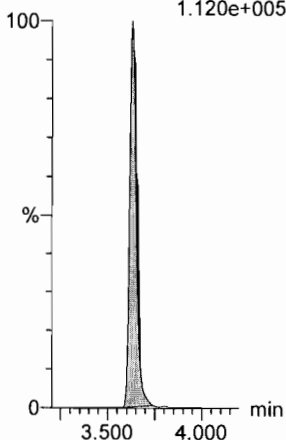
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
8.212e+005



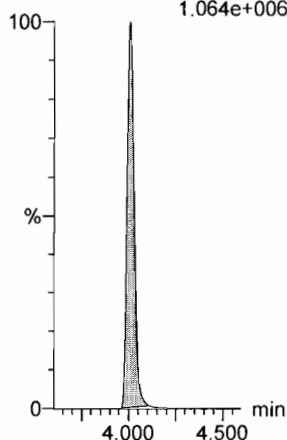
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
1.120e+005



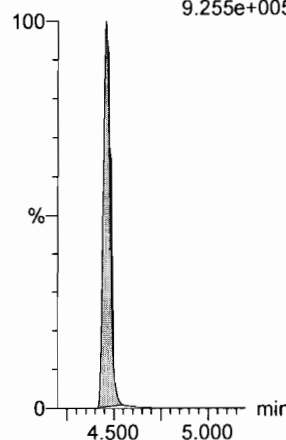
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
1.064e+006



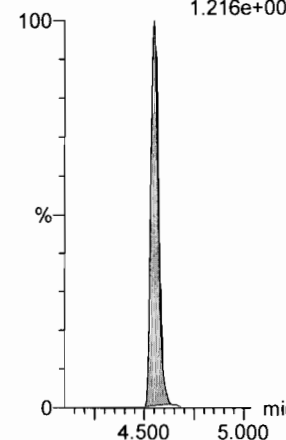
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
9.255e+005



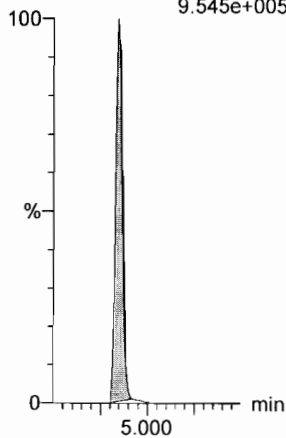
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
1.216e+005



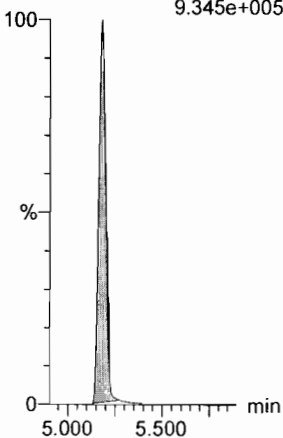
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
9.545e+005



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
9.345e+005



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

*VAD 8/20/18*

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	13786.908	16998.471	1.00	1.08	10.138	8.8	88.2	NO		
2	2 PFPeA	263.1 > 218.9	22120.373	31896.988	1.00	2.04	8.669	9.1	91.4	NO		
3	3 PFBS	299.0 > 79.7	4232.987	3377.131	1.00	2.34	15.668	7.9	78.6	NO	2.724	NO
4	4 4:2 FTS	327.2>307.2	7484.945	9551.874	1.00	2.76	9.795	10.3	102.7	NO	1.673	NO
5	5 PFHxA	313 > 269	50586.211	27382.020	1.00	2.85	9.237	9.6	96.1	NO	14.668	NO
6	6 PFPeS	349.1>80.1	6120.904	3377.131	1.00	3.06	22.656	10.6	105.7	NO	1.719	NO
7	36 13C3-PFBA	216.1 > 171.8	16998.471	20710.020	1.00	1.07	10.260	12.5	99.9	NO		
8	37 13C3-PFPeA	266. > 221.8	31896.988	71844.281	1.00	2.04	5.550	11.4	91.4	NO		
9	38 13C3-PFBS	302. > 98.8	3377.131	71844.281	1.00	2.33	0.588	11.7	93.5	NO		
10	39 13C2-4:2 FTS	329.2>308.9	9551.874	71844.281	1.00	2.76	1.662	11.3	90.1	NO		
11	40 13C2-PFHxA	315 > 270	27382.020	71844.281	1.00	2.85	4.764	4.9	97.8	NO		
12	38 13C3-PFBS	302. > 98.8	3377.131	71844.281	1.00	2.33	0.588	11.7	93.5	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	8395.521	10910.647	1.00	3.95	9.618	9.4	94.3	NO	2.631	NO
15	7 PFHpA	363.0 > 318.9	37061.941	43873.309	1.00	3.47	10.559	9.4	94.3	NO	19.566	NO
16	8 L-PFHxS	398.9 > 79.6	4713.481	4233.910	1.00	3.63	13.916	8.0	80.3	NO	1.653	NO
17	11 L-PFOA	412.9 > 368.9	49181.324	66268.938	1.00	4.01	9.277	9.2	91.7	NO	2.846	NO
18	13 PFHpS	449 > 80.0	6489.632	10490.547	1.00	4.13	7.733	9.1	90.9	NO	1.818	NO
19	14 PFNA	463.0 > 418.8	57847.469	70640.641	1.00	4.46	10.236	8.7	87.0	NO	4.905	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	10910.647	80962.102	1.00	3.95	1.685	11.8	94.4	NO		
21	41 13C4-PFHpA	367.2 > 321.8	43873.309	71844.281	1.00	3.47	7.633	12.5	99.8	NO		
22	42 18O2-PFHxS	403.0 > 102.6	4233.910	8761.290	1.00	3.63	6.041	12.5	100.0	NO		
23	44 13C2-PFOA	414.9 > 369.7	66268.938	80962.102	1.00	4.01	10.231	12.5	99.7	NO		
24	47 13C8-PFOS	507.0 > 79.9	10490.547	9912.889	1.00	4.55	13.228	12.6	100.6	NO		
25	45 13C5-PFNA	468.2 > 422.9	70640.641	71801.883	1.00	4.46	12.298	12.6	101.1	NO		
26	-1											
27	15 PFOSA	498 > 77.9	10108.055	13278.737	1.00	4.51	9.515	9.2	92.0	NO	26.164	NO
28	16 L-PFOS	498.9 > 79.9	6456.262	10490.547	1.00	4.55	7.693	8.4	83.6	NO	1.692	NO
29	18 PFDA	513 > 468.8	61206.027	68616.242	1.00	4.84	11.150	8.9	89.5	NO	6.216	NO
30	19 8:2 FTS	527 > 506.9	8639.943	9118.462	1.00	4.81	11.844	9.3	93.0	NO	2.233	NO
31	20 PFNS	549.1 > 80.1	6159.014	10490.547	1.00	4.92	7.339	8.9	89.3	NO	1.681	NO
32	21 L-MeFOSAA	570 > 419	19220.248	18286.256	1.00	5.00	13.138	10.9	108.7	NO	2.901	NO
33	46 13C8-PFOSA	506.1 > 77.7	13278.737	78202.445	1.00	4.51	2.122	12.1	96.7	NO		
34	47 13C8-PFOS	507.0 > 79.9	10490.547	9912.889	1.00	4.55	13.228	12.6	100.6	NO		

*AM 8/20/18*

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

*At Net in 100*

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48 13C2-PFDA	515.1 > 469.9	68616.242	72928.141	1.00	4.84	11.761	12.3	98.3	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	9118.462	80962.102	1.00	4.81	1.408	11.9	94.9	NO		
37	47 13C8-PFOS	507.0 > 79.9	10490.547	9912.889	1.00	4.55	13.228	12.6	100.6	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	18286.256	78202.445	1.00	5.00	2.923	12.1	96.8	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	16513.357	19518.170	1.00	5.17	10.576	11.3	112.9	NO	1.616	NO
41	27 PFD0A	612.9 > 569.0	65759.688	78402.500	1.00	5.47	10.484	9.5	94.6	NO	8.880	NO
42	26 PFDS	598.8 > 79.9	7599.603	10490.547	1.00	5.23	9.055	9.8	98.4	NO	1.731	NO
43	25 PFUdA	563.0 > 518.9	54217.273	74524.156	1.00	5.18	9.094	9.5	94.5	NO	11.679	NO
44	28 N-MeFOSA	512.1 > 168.9		53805.133	1.00					NO		
45	29 PFTrDA	662.9 > 618.9	66046.086	78402.500	1.00	5.73	10.530	9.2	91.5	NO	29.020	NO
46	52 d5-N-EtFOSAA	589.3 > 419	19518.170	78202.445	1.00	5.16	3.120	11.9	95.3	NO		
47	53 13C2-PFD0A	615.0 > 569.7	78402.500	72928.141	1.00	5.47	13.438	12.4	99.3	NO		
48	47 13C8-PFOS	507.0 > 79.9	10490.547	9912.889	1.00	4.55	13.228	12.6	100.6	NO		
49	51 13C2-PFUdA	565 > 519.8	74524.156	78202.445	1.00	5.18	11.912	12.1	96.9	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	53805.133	78202.445	1.00	5.63	8.600	135.5	90.3	NO		
51	53 13C2-PFD0A	615.0 > 569.7	78402.500	72928.141	1.00	5.47	13.438	12.4	99.3	NO		
52	-1											
53	30 PFTeDA	712.8 > 669.0	55993.039	57575.043	1.00	5.95	12.157	9.5	95.4	NO	12.168	NO
54	31 N-EtFOSA	526.1 > 168.9		68458.391	1.00					NO		
55	32 PFHxDA	813.1 > 768.6		29823.412	1.00					NO		
56	33 PFODA	913.1 > 868.8		29823.412	1.00					NO		
57	34 N-MeFOSE	616.1 > 58.9		42518.473	1.00					NO		
58	35 N-EtFOSE	630.1 > 58.9		42843.176	1.00					NO		
59	55 13C2-PFTeDA	714.8 > 669.6	57575.043	78202.445	1.00	5.95	9.203	11.8	94.8	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	68458.391	78202.445	1.00	6.08	10.942	141.2	94.1	NO		
61	57 13C2-PFHxDA	815 > 769.7	29823.412	78202.445	1.00	6.32	4.767	4.8	96.3	NO		
62	57 13C2-PFHxDA	815 > 769.7	29823.412	78202.445	1.00	6.32	4.767	4.8	96.3	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	42518.473	78202.445	1.00	6.27	6.796	138.1	92.1	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	42843.176	78202.445	1.00	6.43	6.848	139.7	93.2	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	20710.020	20710.020	1.00	1.07	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	71844.281	71844.281	1.00	2.85	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	8761.290	8761.290	1.00	3.63	12.500	12.5	100.0	NO		

*(Handwritten mark)*

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63 13C8-PFOA	420.9 > 376	80962.102	80962.102	1.00	4.01	12.500	12.5	100.0		NO	
70	64 13C9-PFNA	472.2 > 426.9	71801.883	71801.883	1.00	4.46	12.500	12.5	100.0		NO	
71	65 13C4-PFOS	503 > 79.9	9912.889	9912.889	1.00	4.55	12.500	12.5	100.0		NO	
72	66 13C6-PFDA	519.1 > 473.7	72928.141	72928.141	1.00	4.84	12.500	12.5	100.0		NO	
73	67 13C7-PFUdA	570.1 > 524.8	78202.445	78202.445	1.00	5.18	12.500	12.5	100.0		NO	

Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

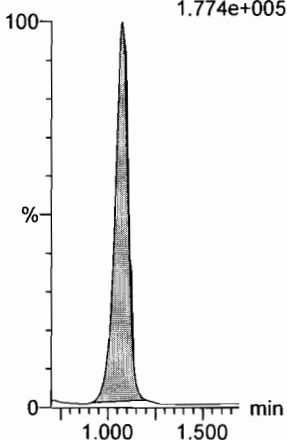
Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 19 Aug 2018 11:58:52

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

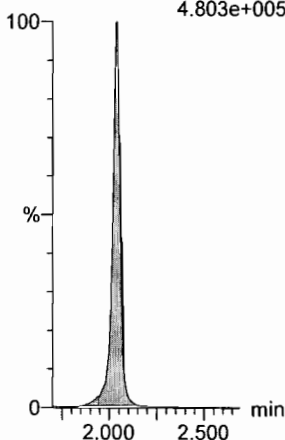
**PFBA**

F2:MRM of 1 channel,ES-  
213.0 > 168.8  
1.774e+005



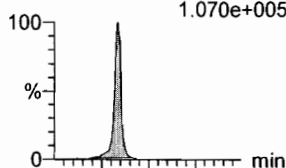
**PFPeA**

F5:MRM of 1 channel,ES-  
263.1 > 218.9  
4.803e+005

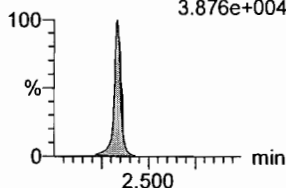


**PFBS**

F7:MRM of 2 channels,ES-  
299.0 > 79.7  
1.070e+005

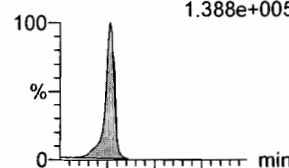


F7:MRM of 2 channels,ES-  
299.0 > 99.0  
3.876e+004

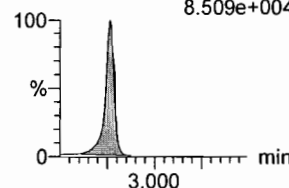


**4:2 FTS**

F12:MRM of 2 channels,ES-  
327.2 > 307.2  
1.388e+005

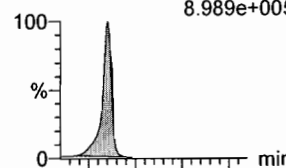


F12:MRM of 2 channels,ES-  
327.2 > 81.1  
8.509e+004

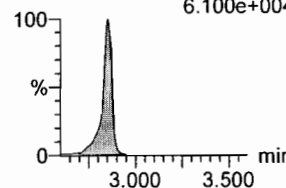


**PFHxA**

F9:MRM of 2 channels,ES-  
313 > 269  
8.989e+005

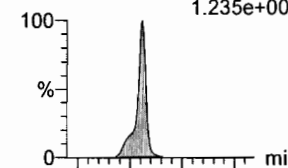


F9:MRM of 2 channels,ES-  
313 > 118.9  
6.100e+004

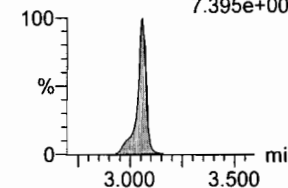


**PFPeS**

F15:MRM of 2 channels,ES-  
349.1 > 80.1  
1.235e+005

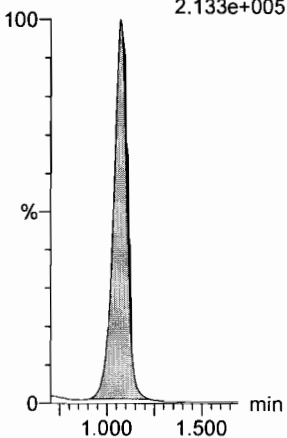


F15:MRM of 2 channels,ES-  
349.1 > 99  
7.395e+004



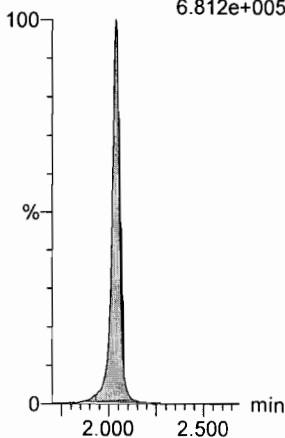
**13C3-PFBA**

F3:MRM of 1 channel,ES-  
216.1 > 171.8  
2.133e+005



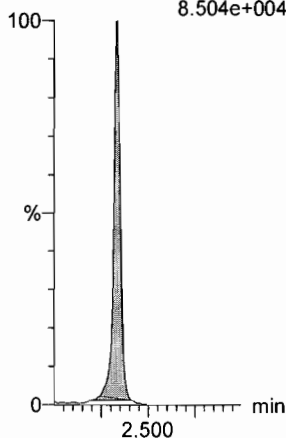
**13C3-PFPeA**

F6:MRM of 1 channel,ES-  
266. > 221.8  
6.812e+005



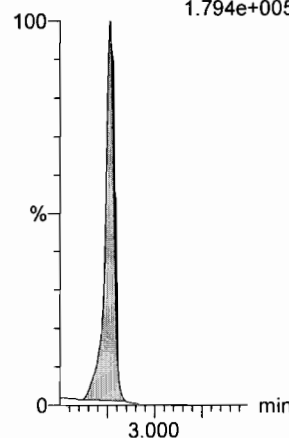
**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.504e+004



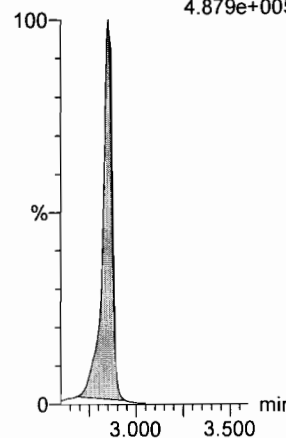
**13C2-4:2 FTS**

F13:MRM of 1 channel,ES-  
329.2 > 308.9  
1.794e+005



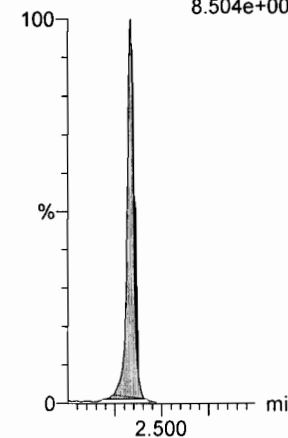
**13C2-PFHxA**

F10:MRM of 1 channel,ES-  
315 > 270  
4.879e+005



**13C3-PFBS**

F8:MRM of 1 channel,ES-  
302. > 98.8  
8.504e+004



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

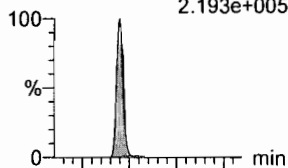
Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

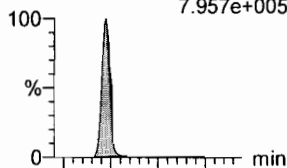
6:2 FTS

F24:MRM of 2 channels,ES-  
427.1 > 407  
2.193e+005



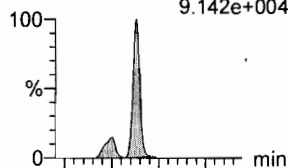
PFHpA

F16:MRM of 2 channels,ES-  
363.0 > 318.9  
7.957e+005



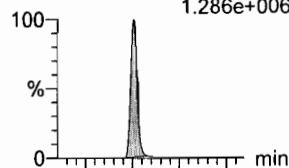
L-PFHxS

F18:MRM of 2 channels,ES-  
398.9 > 79.6  
9.142e+004



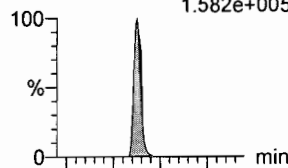
L-PFOA

F21:MRM of 2 channels,ES-  
412.9 > 368.9  
1.286e+006



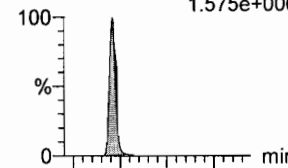
PFHpS

F26:MRM of 2 channels,ES-  
449 > 80.0  
1.582e+005

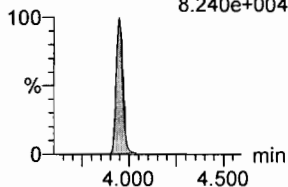


PFNA

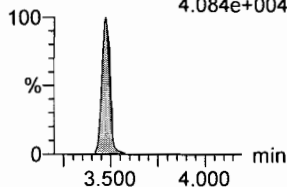
F27:MRM of 2 channels,ES-  
463.0 > 418.8  
1.575e+006



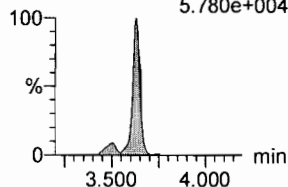
F24:MRM of 2 channels,ES-  
427.1 > 80  
8.240e+004



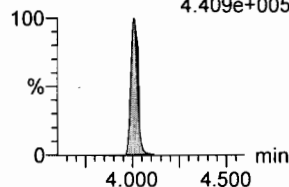
F16:MRM of 2 channels,ES-  
363.0 > 169.0  
4.084e+004



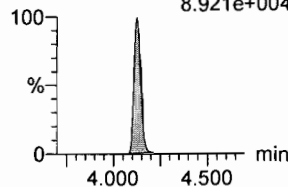
F18:MRM of 2 channels,ES-  
398.9 > 99.0  
5.780e+004



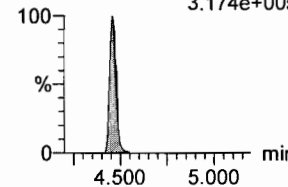
F21:MRM of 2 channels,ES-  
412.9 > 169  
4.409e+005



F26:MRM of 2 channels,ES-  
449 > 98.7  
8.921e+004

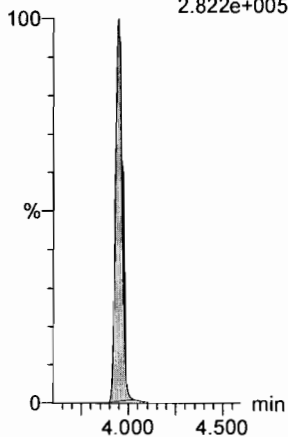


F27:MRM of 2 channels,ES-  
463.0 > 219.0  
3.174e+005



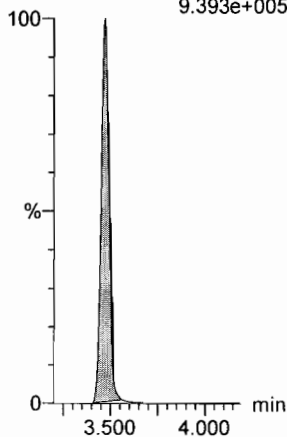
13C2-6:2 FTS

F25:MRM of 1 channel,ES-  
429.1 > 408.9  
2.822e+005



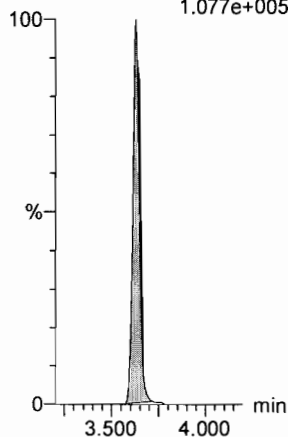
13C4-PFHpa

F17:MRM of 1 channel,ES-  
367.2 > 321.8  
9.393e+005



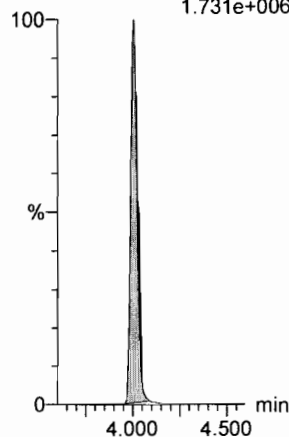
18O2-PFHxS

F20:MRM of 1 channel,ES-  
403.0 > 102.6  
1.077e+005



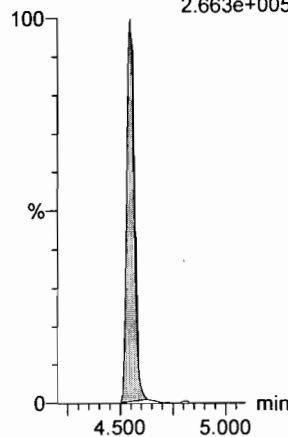
13C2-PFOA

F22:MRM of 1 channel,ES-  
414.9 > 369.7  
1.731e+006



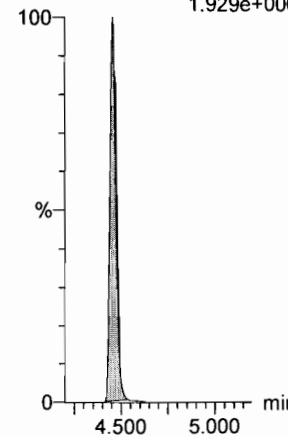
13C8-PFOS

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.663e+005



13C5-PFNA

F28:MRM of 1 channel,ES-  
468.2 > 422.9  
1.929e+006





Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

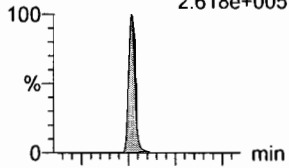
Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

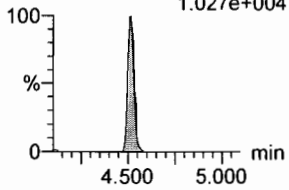
Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

**PFOSA**

F30:MRM of 2 channels,ES-  
498 > 77.9  
2.618e+005

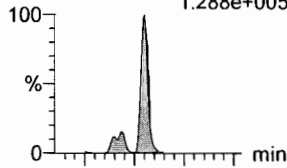


F30:MRM of 2 channels,ES-  
498 > 169  
1.027e+004

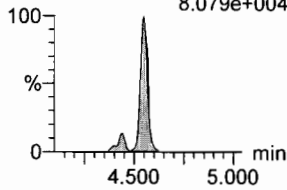


**L-PFOS**

F32:MRM of 2 channels,ES-  
498.9 > 79.9  
1.288e+005

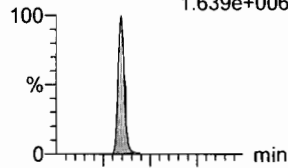


F32:MRM of 2 channels,ES-  
498.9 > 99  
8.079e+004

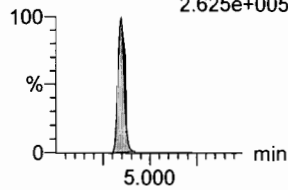


**PFDA**

F37:MRM of 2 channels,ES-  
513 > 468.8  
1.639e+006

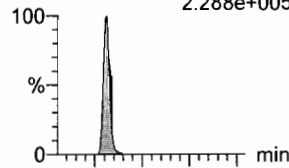


F37:MRM of 2 channels,ES-  
513 > 219  
2.625e+005

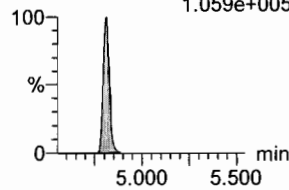


**8:2 FTS**

F42:MRM of 2 channels,ES-  
527 > 506.9  
2.288e+005

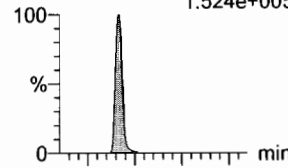


F42:MRM of 2 channels,ES-  
527 > 80  
1.059e+005

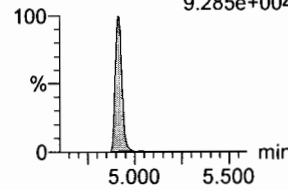


**PFNS**

F45:MRM of 2 channels,ES-  
549.1 > 80.1  
1.524e+005

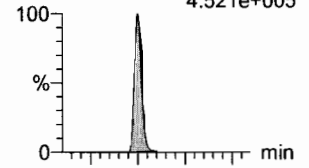


F45:MRM of 2 channels,ES-  
549.1 > 99.1  
9.285e+004

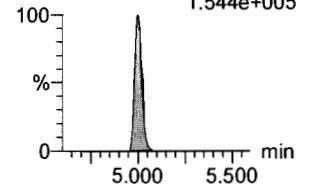


**L-MeFOSAA**

F48:MRM of 2 channels,ES-  
570 > 419  
4.521e+005

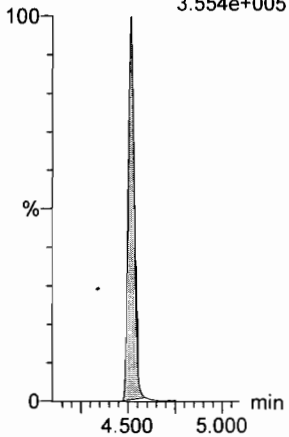


F48:MRM of 2 channels,ES-  
570. > 512  
1.544e+005



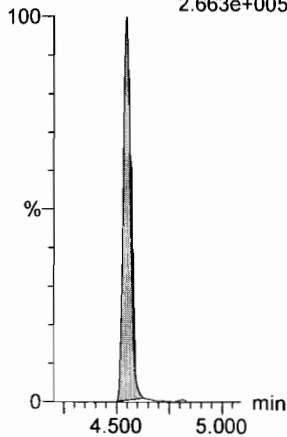
**13C8-PFOA**

F34:MRM of 1 channel,ES-  
506.1 > 77.7  
3.554e+005



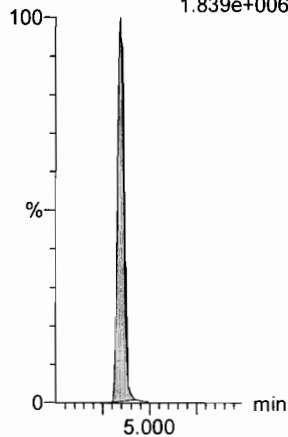
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.663e+005



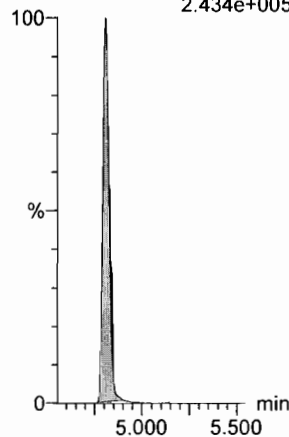
**13C2-PFDA**

F38:MRM of 1 channel,ES-  
515.1 > 469.9  
1.839e+006



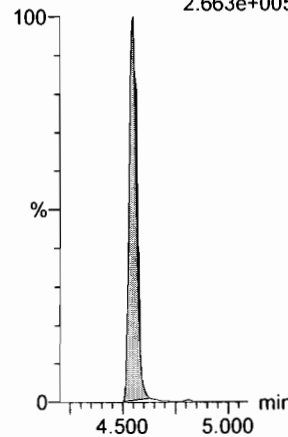
**13C2-8:2 FTS**

F43:MRM of 1 channel,ES-  
529.1 > 508.7  
2.434e+005



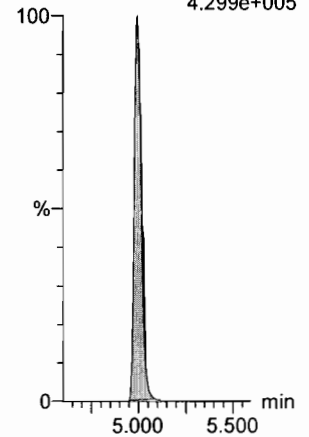
**13C8-PFOS**

F35:MRM of 1 channel,ES-  
507.0 > 79.9  
2.663e+005



**d3-N-MeFOSAA**

F50:MRM of 1 channel,ES-  
573.3 > 419  
4.299e+005

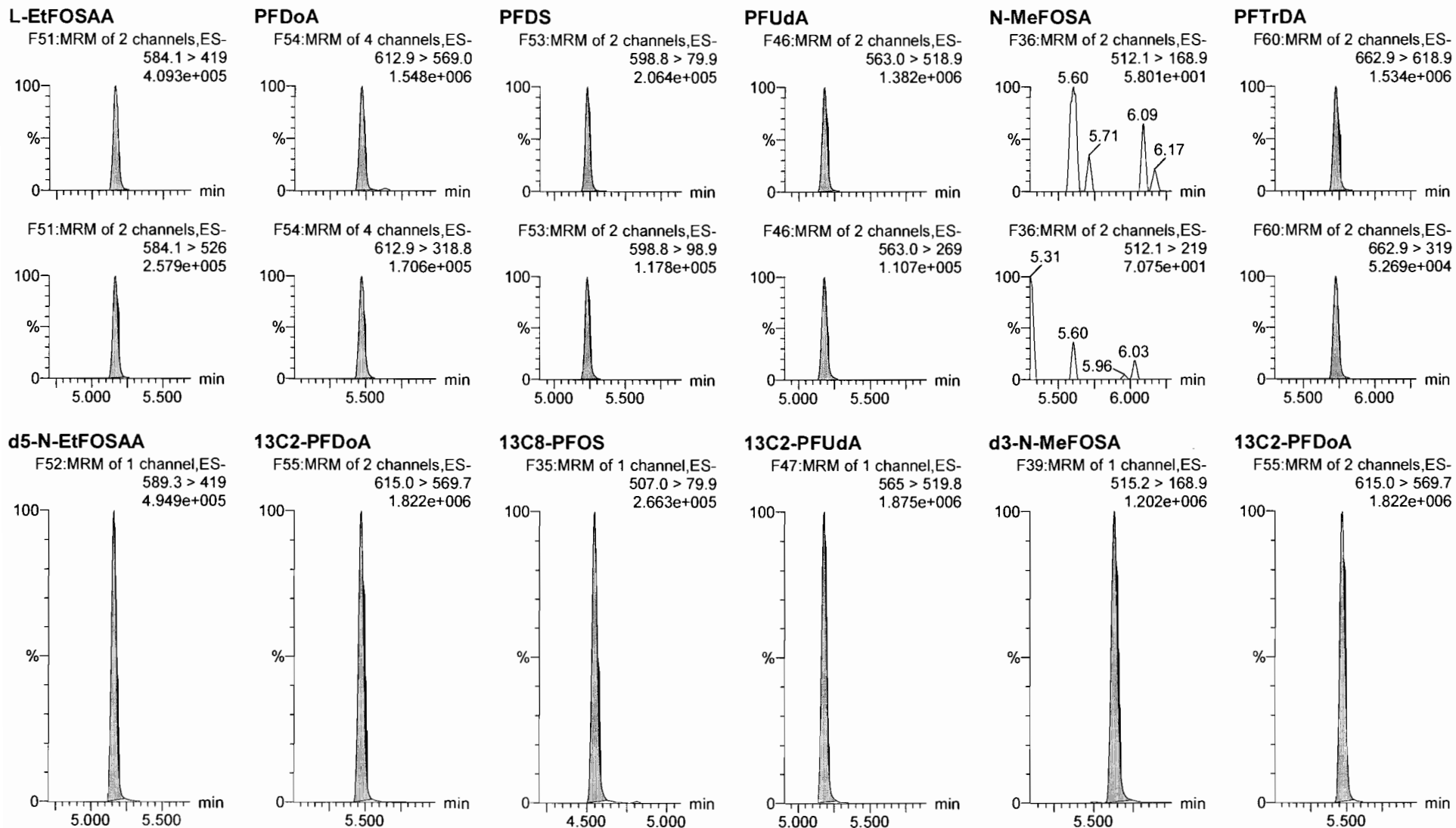


Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

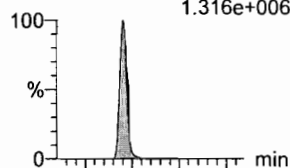
Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

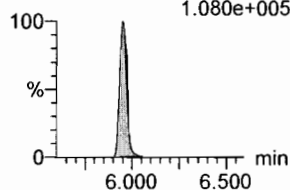
Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

**PFTeDA**

F61:MRM of 2 channels,ES-  
712.8 > 669.0  
1.316e+006

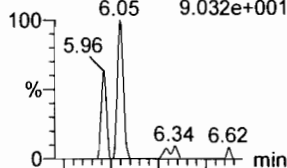


F61:MRM of 2 channels,ES-  
712.8 > 368.9  
1.080e+005

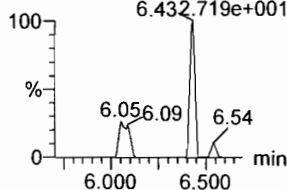


**N-EtFOSA**

F41:MRM of 2 channels,ES-  
526.1 > 168.9  
9.032e+001

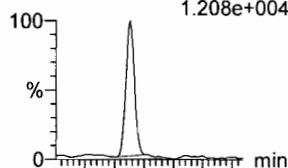


F41:MRM of 2 channels,ES-  
526.1 > 219  
6.432,719e+001

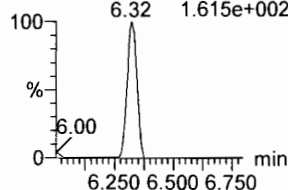


**PFHxDA**

F63:MRM of 2 channels,ES-  
813.1 > 768.6  
1.208e+004

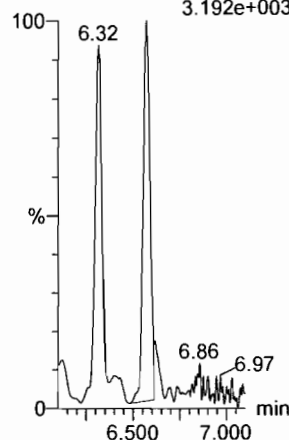


F63:MRM of 2 channels,ES-  
813.1 > 219  
1.615e+002



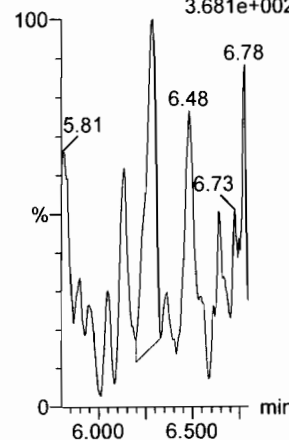
**PFODA**

F65:MRM of 1 channel,ES-  
913.1 > 868.8  
3.192e+003



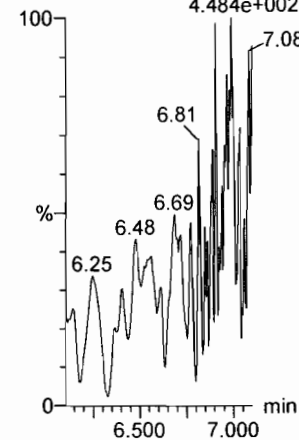
**N-MeFOSE**

F56:MRM of 1 channel,ES-  
616.1 > 58.9  
3.681e+002



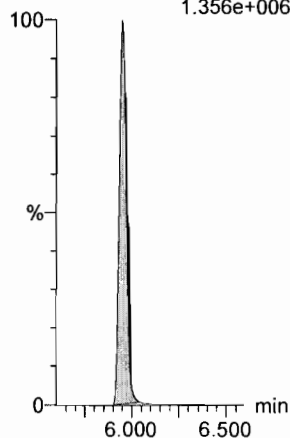
**N-EtFOSE**

F58:MRM of 1 channel,ES-  
630.1 > 58.9  
4.484e+002



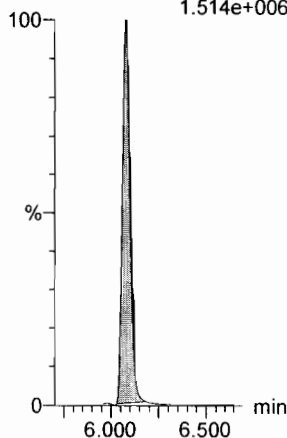
**13C2-PFTeDA**

F62:MRM of 2 channels,ES-  
714.8 > 669.6  
1.356e+006



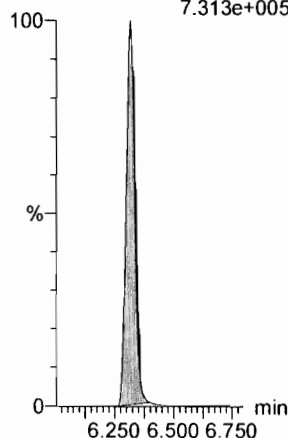
**d5-N-ETFOSA**

F44:MRM of 1 channel,ES-  
531.1 > 168.9  
1.514e+006



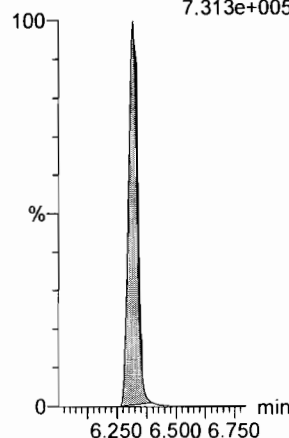
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
7.313e+005



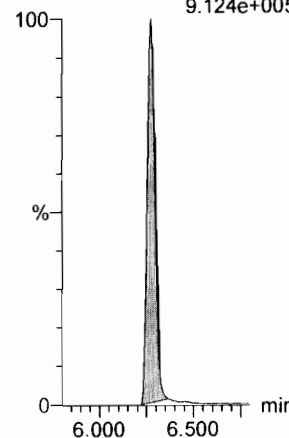
**13C2-PFHxDA**

F64:MRM of 1 channel,ES-  
815 > 769.7  
7.313e+005



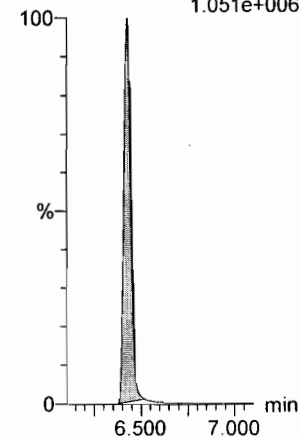
**d7-N-MeFOSE**

F57:MRM of 1 channel,ES-  
623.1 > 58.9  
9.124e+005



**d9-N-EtFOSE**

F59:MRM of 1 channel,ES-  
639.2 > 58.8  
1.051e+006



Dataset: F:\Projects\PFAS.PRO\Results\180818M2\180818M2-ICV.qld

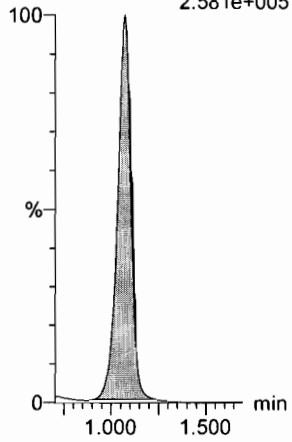
Last Altered: Sunday, August 19, 2018 12:36:25 Pacific Daylight Time

Printed: Sunday, August 19, 2018 12:36:28 Pacific Daylight Time

Name: 180818M2\_13, Date: 18-Aug-2018, Time: 17:12:30, ID: ICV180818M2-1 PFC 537 ICV 18H0911, Description: PFC 537 ICV 18H0911

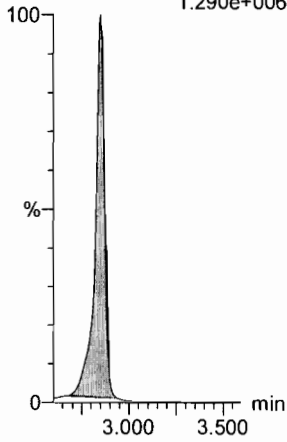
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
2.581e+005



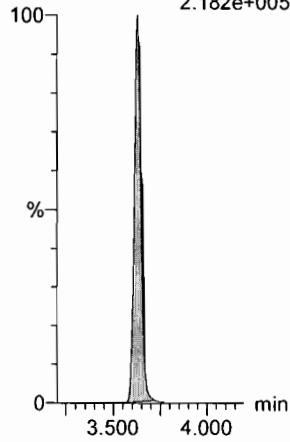
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.290e+006



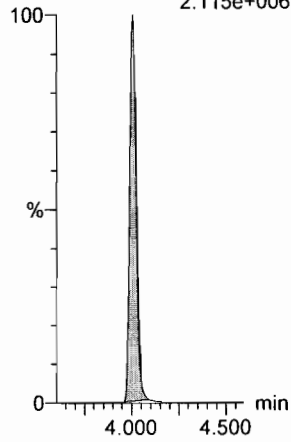
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.182e+005



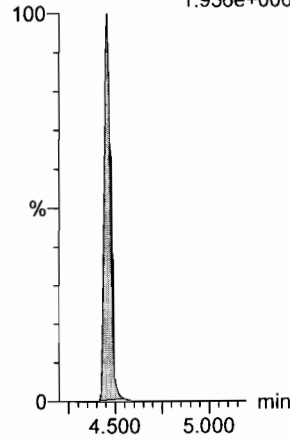
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
2.115e+006



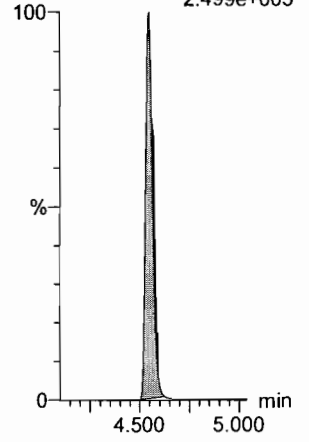
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
472.2 > 426.9  
1.956e+006



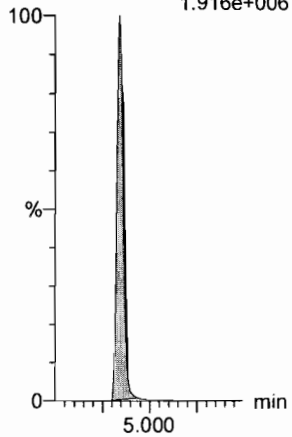
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
503 > 79.9  
2.499e+005



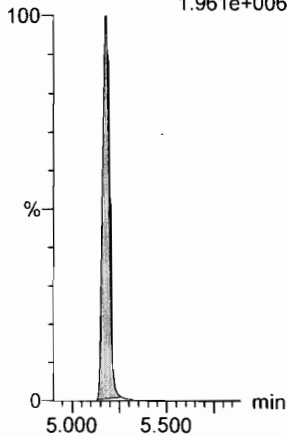
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
519.1 > 473.7  
1.916e+006



**13C7-PFUdA**

F49:MRM of 1 channel,ES-  
570.1 > 524.8  
1.961e+006



Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

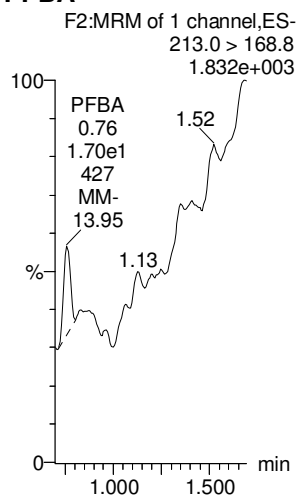
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS\_FULL\_80C\_081818.mdb 20 Aug 2018 15:27:57

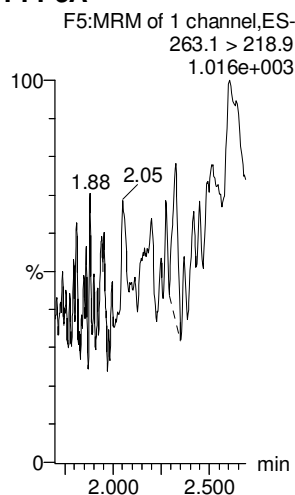
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18\_VAL-PFAS\_Q4\_08-18-18.cdb 19 Aug 2018 12:26:56

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

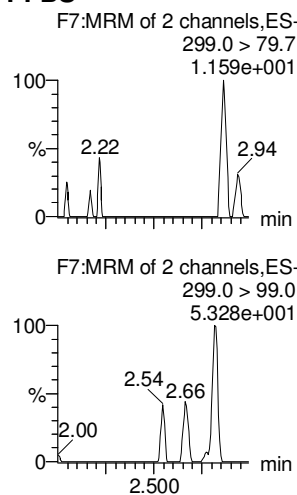
**PFBA**



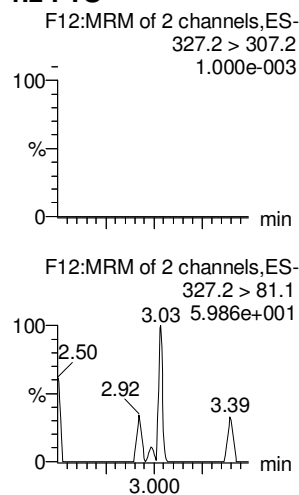
**PFPeA**



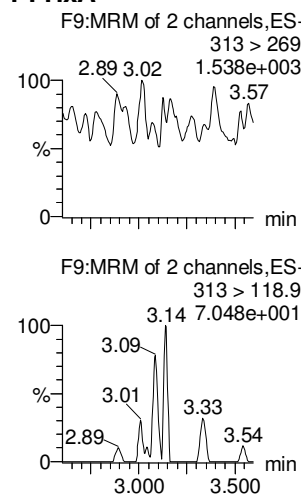
**PFBS**



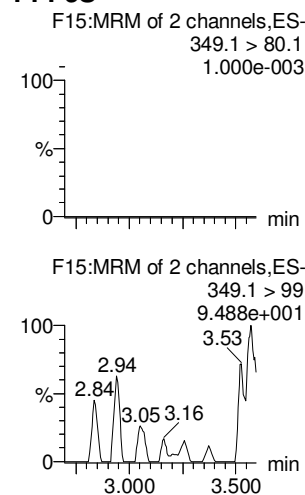
**4:2 FTS**



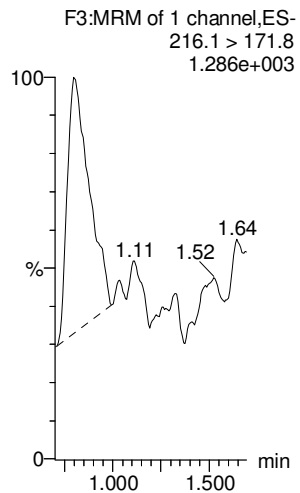
**PFHxA**



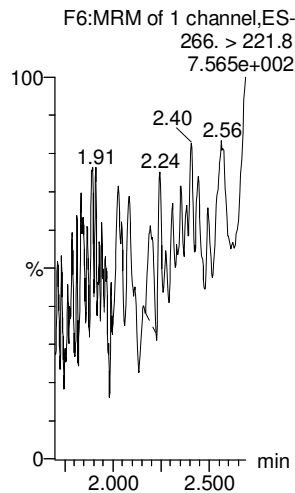
**PFPeS**



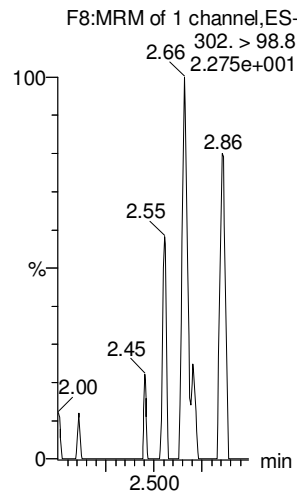
**13C3-PFBA**



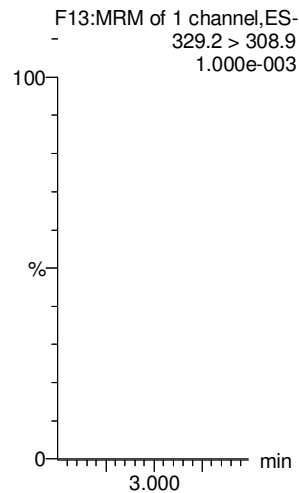
**13C3-PFPeA**



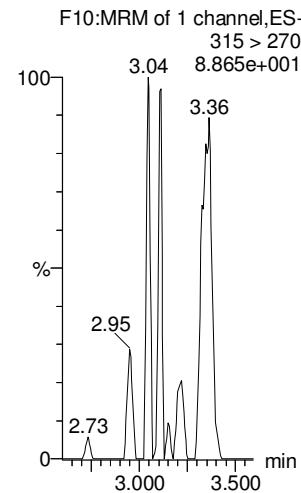
**13C3-PFBS**



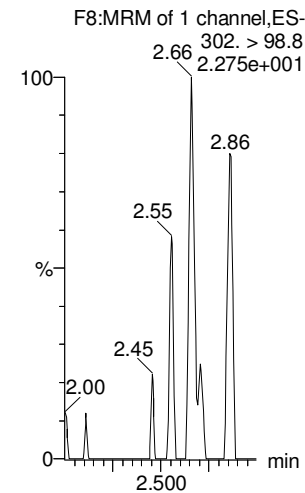
**13C2-4:2 FTS**



**13C3-PFHxA**



**13C3-PFBS**



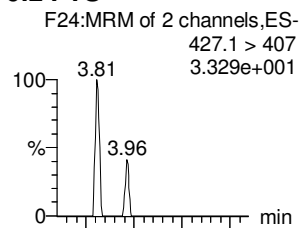
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

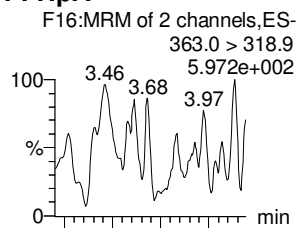
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

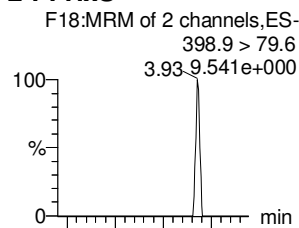
**6:2 FTS**



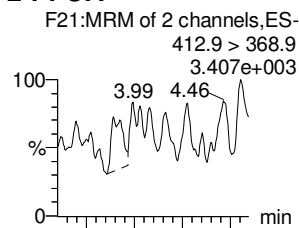
**PFHpA**



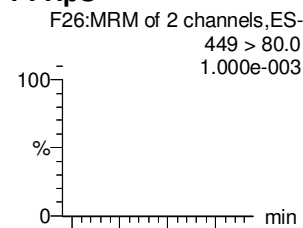
**L-PFHxS**



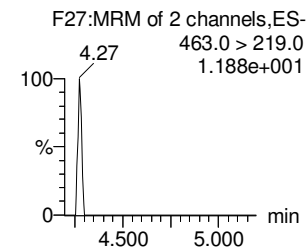
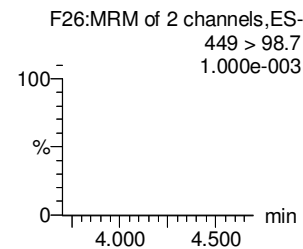
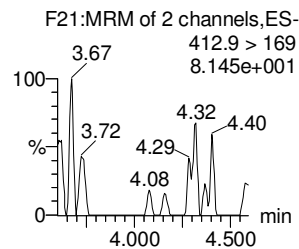
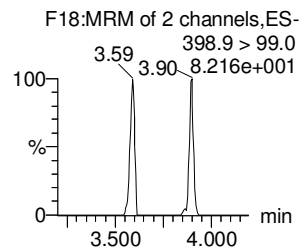
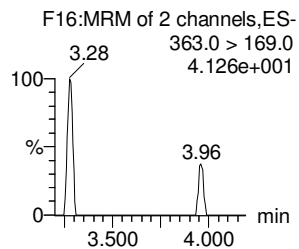
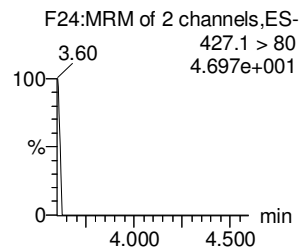
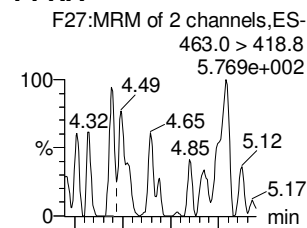
**L-PFOA**



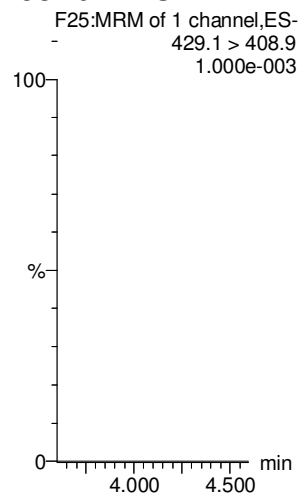
**PFHpS**



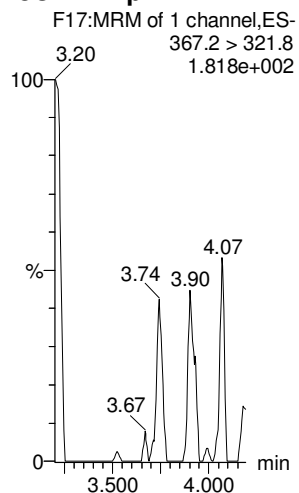
**PFNA**



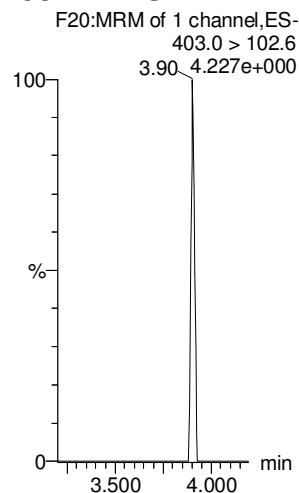
**13C2-6:2 FTS**



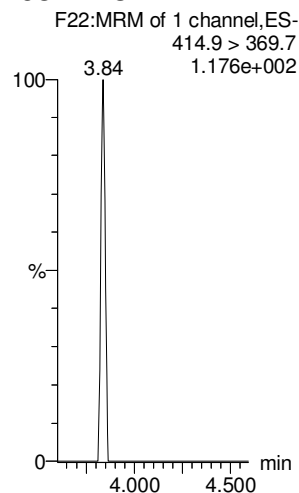
**13C4-PFHpA**



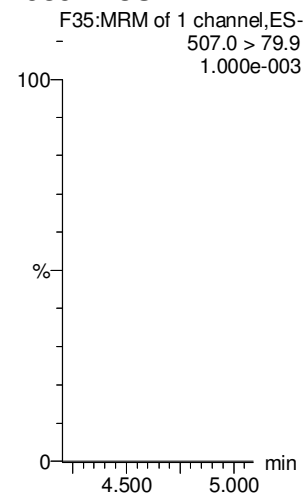
**18O2-PFHxS**



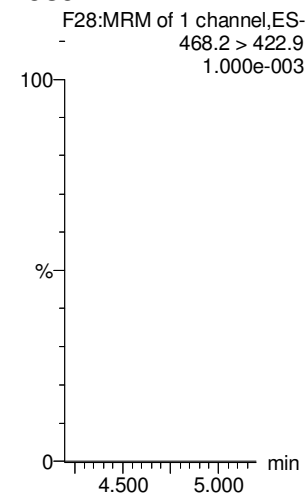
**13C2-PFOA**



**13C8-PFOS**



**13C5-PFNA**



Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

**PFOSA**

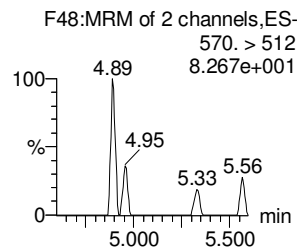
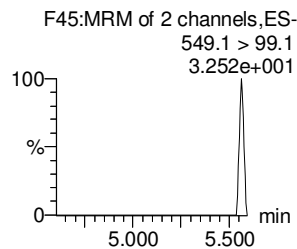
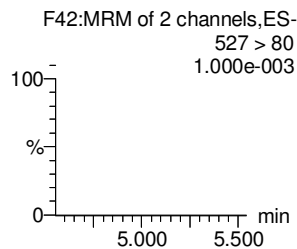
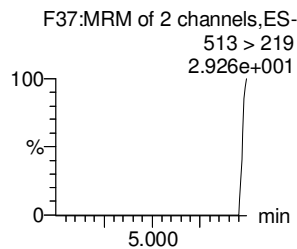
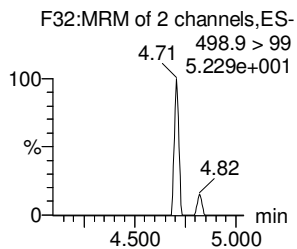
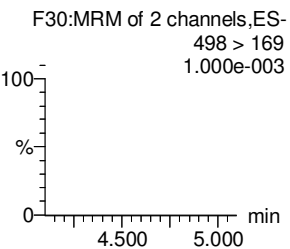
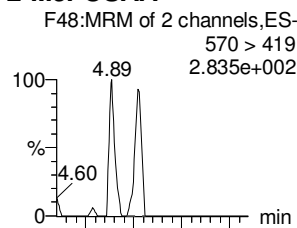
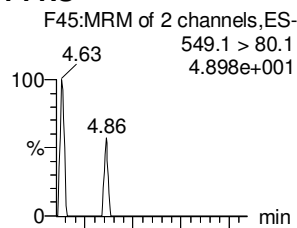
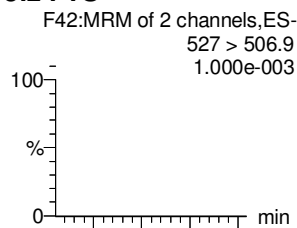
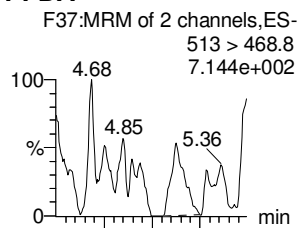
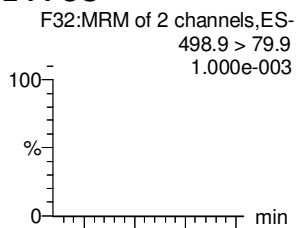
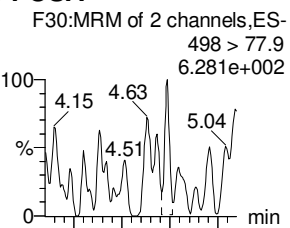
**L-PFOS**

**PFDA**

**8:2 FTS**

**PFNS**

**L-MeFOSAA**



**13C8-PFOSA**

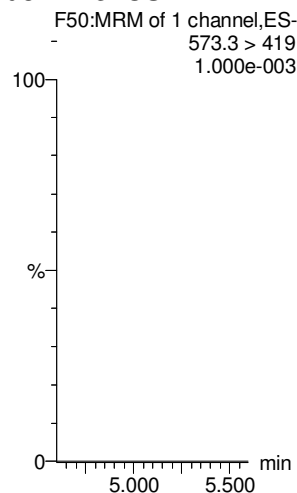
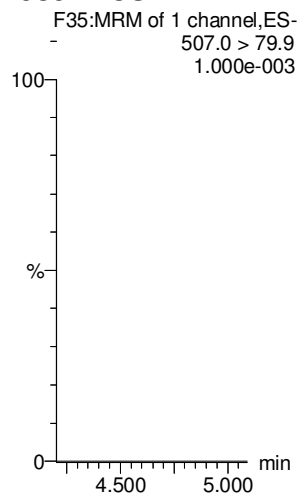
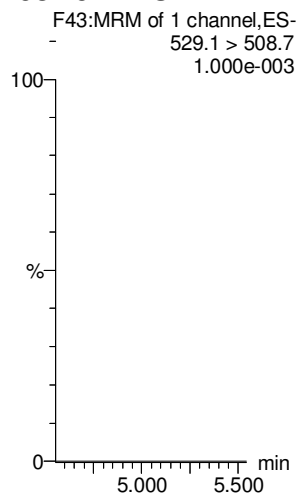
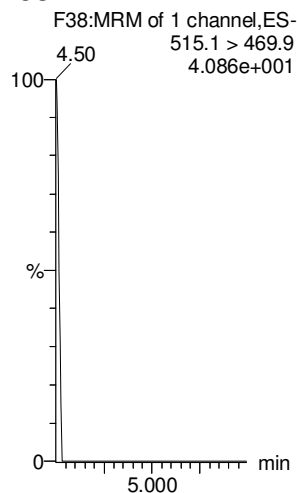
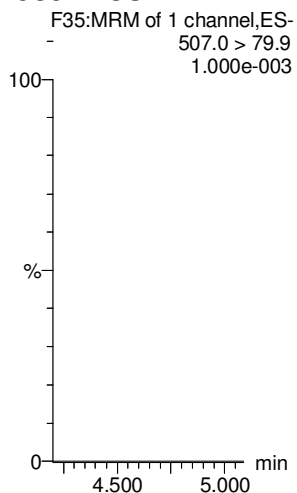
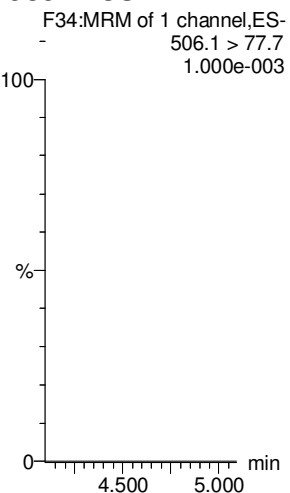
**13C8-PFOS**

**13C2-PFDA**

**13C2-8:2 FTS**

**13C8-PFOS**

**d3-N-MeFOSAA**



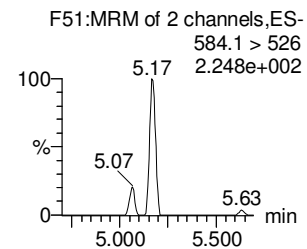
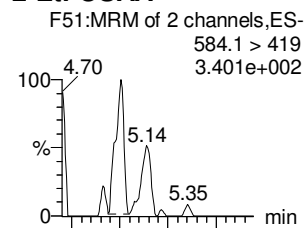
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

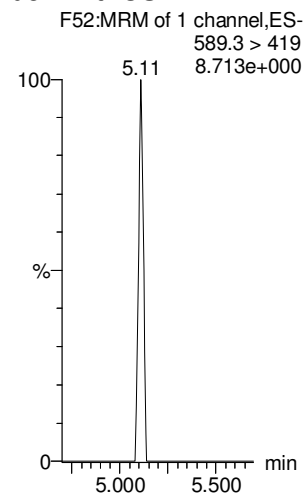
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

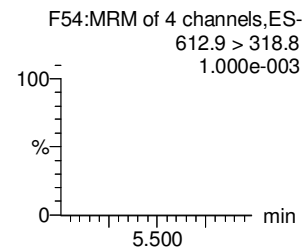
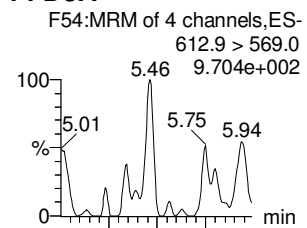
**L-EtFOSAA**



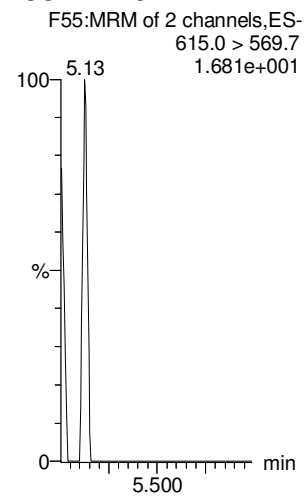
**d5-N-EtFOSAA**



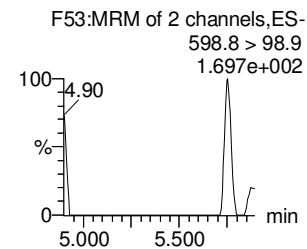
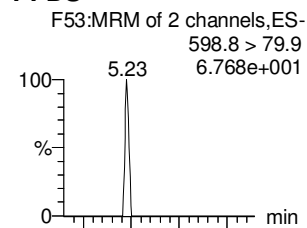
**PFDoA**



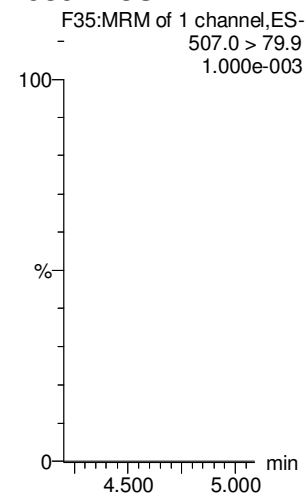
**13C2-PFDoA**



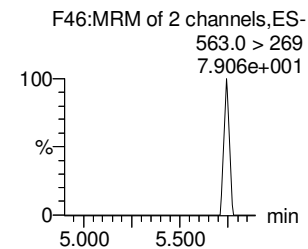
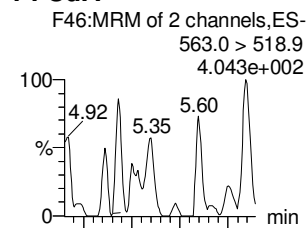
**PFDS**



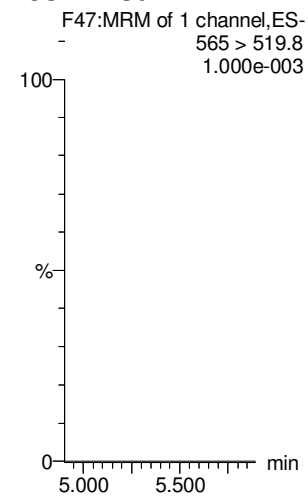
**13C8-PFOS**



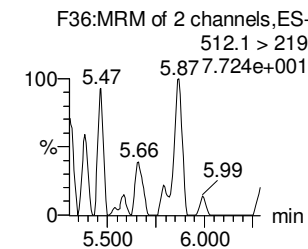
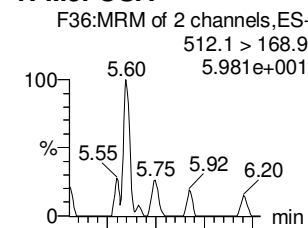
**PFUdA**



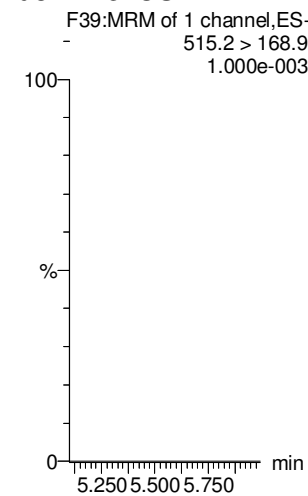
**13C2-PFUdA**



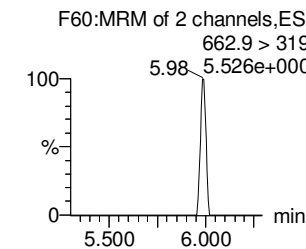
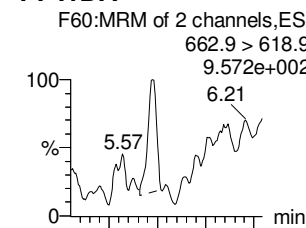
**N-MeFOSA**



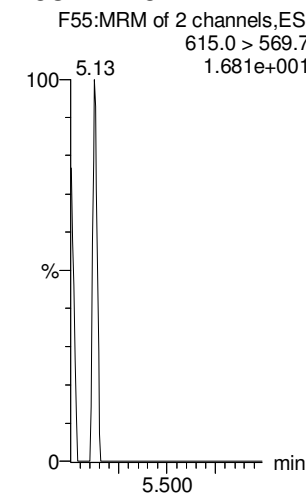
**d3-N-MeFOSA**



**PFTrDA**



**13C2-PFDoA**





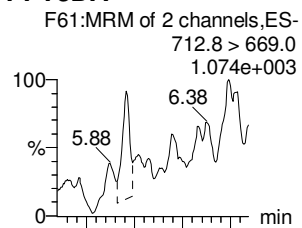
Dataset: Untitled

Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

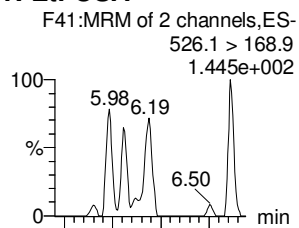
Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

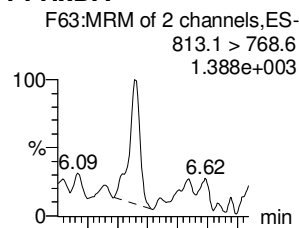
**PFTeDA**



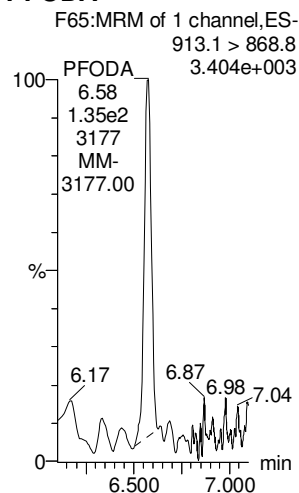
**N-EtFOFA**



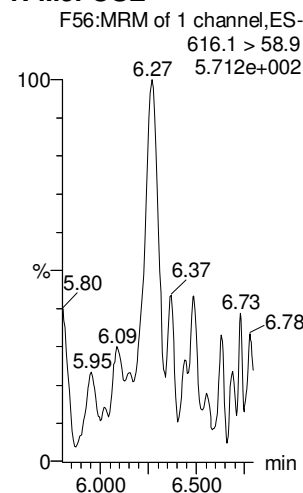
**PFHxDA**



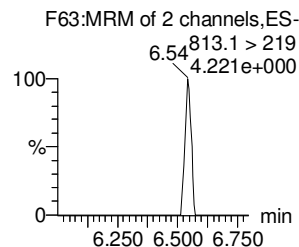
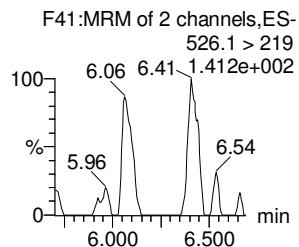
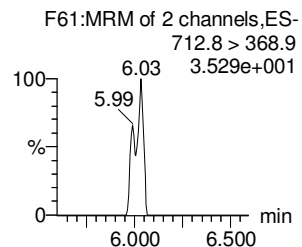
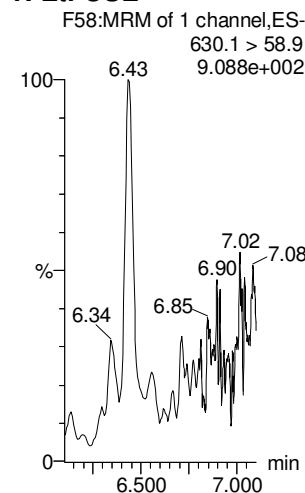
**PFODA**



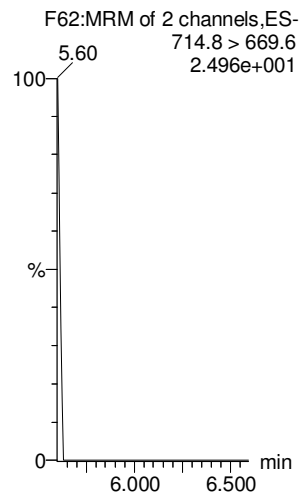
**N-MeFOSE**



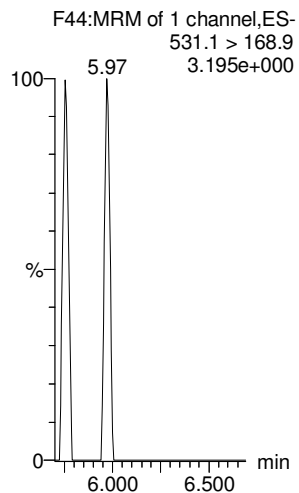
**N-EtFOSE**



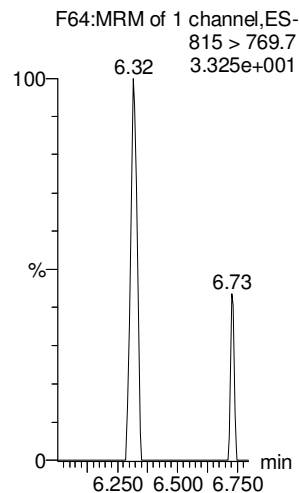
**13C2-PFTeDA**



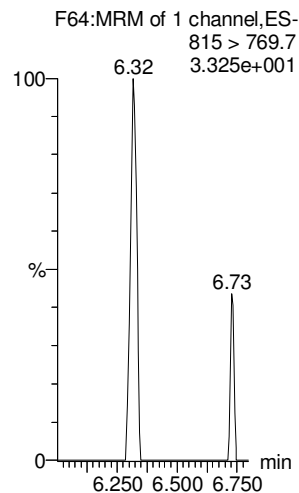
**d5-N-ETFOFA**



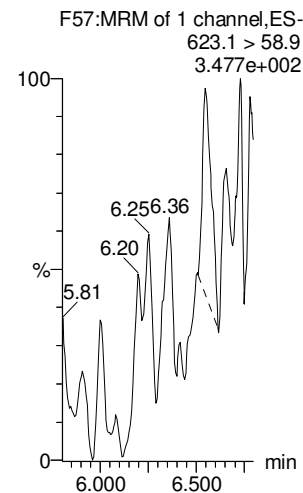
**13C2-PFHxDA**



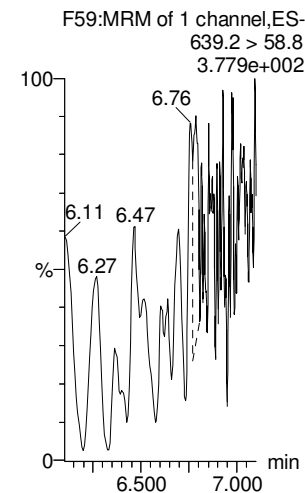
**13C2-PFHxDA**



**d7-N-MeFOSE**



**d9-N-EtFOSE**



Dataset: Untitled

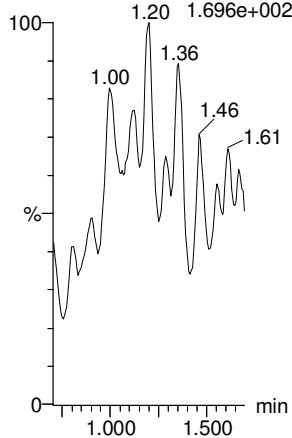
Last Altered: Monday, August 20, 2018 16:36:38 Pacific Daylight Time

Printed: Monday, August 20, 2018 16:36:42 Pacific Daylight Time

Name: 180818M2\_12, Date: 18-Aug-2018, Time: 17:01:48, ID: IPA, Description: IPA

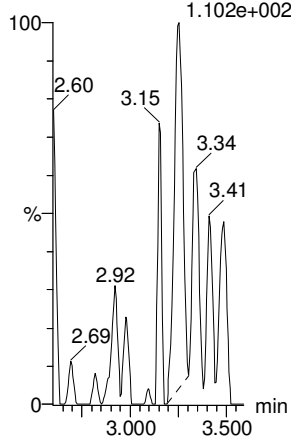
**13C4-PFBA**

F4:MRM of 1 channel,ES-  
217. > 172  
1.696e+002



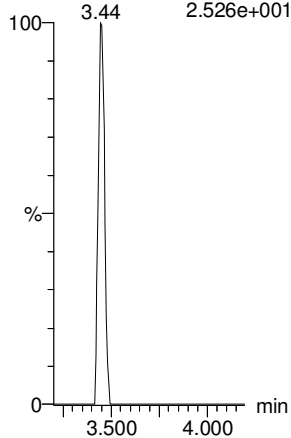
**13C5-PFHxA**

F11:MRM of 1 channel,ES-  
318 > 272.9  
1.102e+002



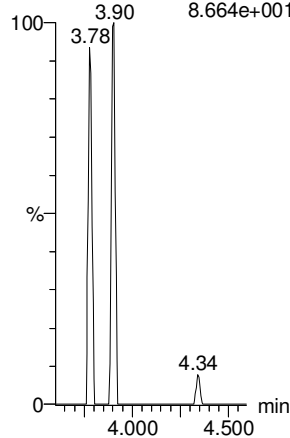
**13C3-PFHxS**

F19:MRM of 1 channel,ES-  
401.8 > 79.9  
2.526e+001



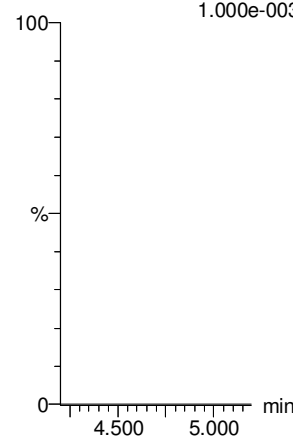
**13C8-PFOA**

F23:MRM of 1 channel,ES-  
420.9 > 376  
8.664e+001



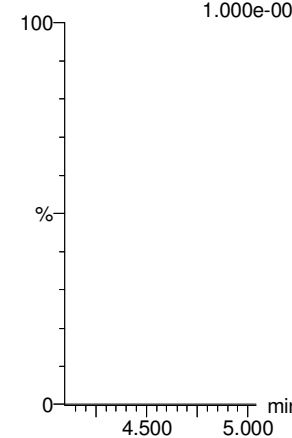
**13C9-PFNA**

F29:MRM of 1 channel,ES-  
-  
472.2 > 426.9  
1.000e-003



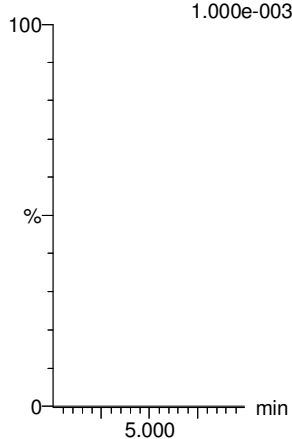
**13C4-PFOS**

F33:MRM of 1 channel,ES-  
-  
503 > 79.9  
1.000e-003



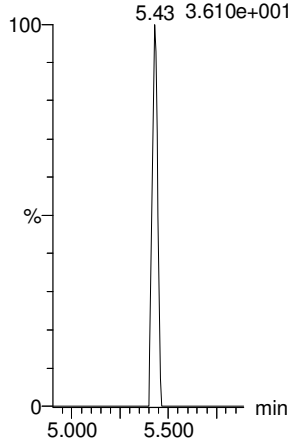
**13C6-PFDA**

F40:MRM of 1 channel,ES-  
-  
519.1 > 473.7  
1.000e-003



**13C7-PFUdA**

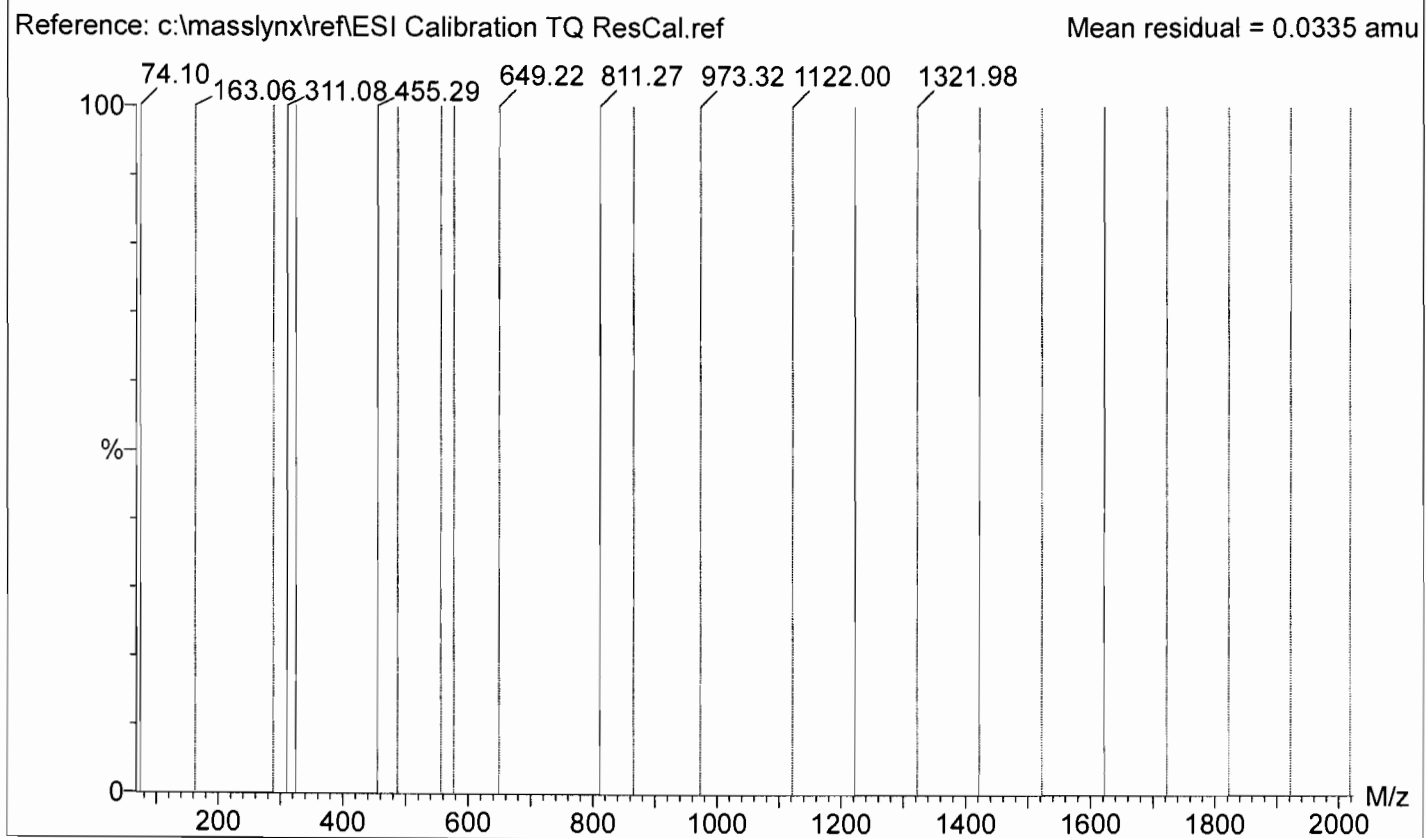
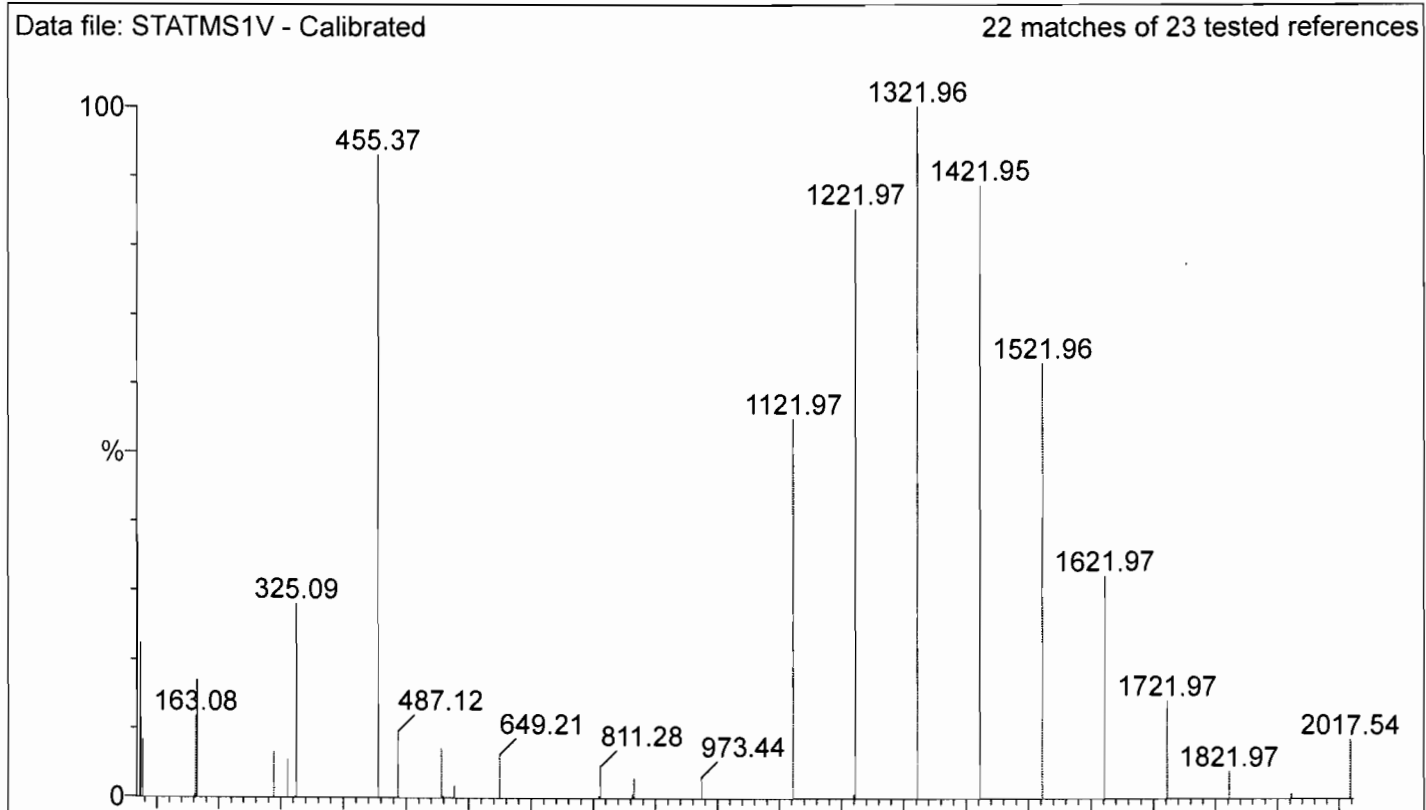
F49:MRM of 1 channel,ES-  
570.1 > 524.8  
3.610e+001



**Tune Checks**

*Time check 08-18-18*  
*20180816*

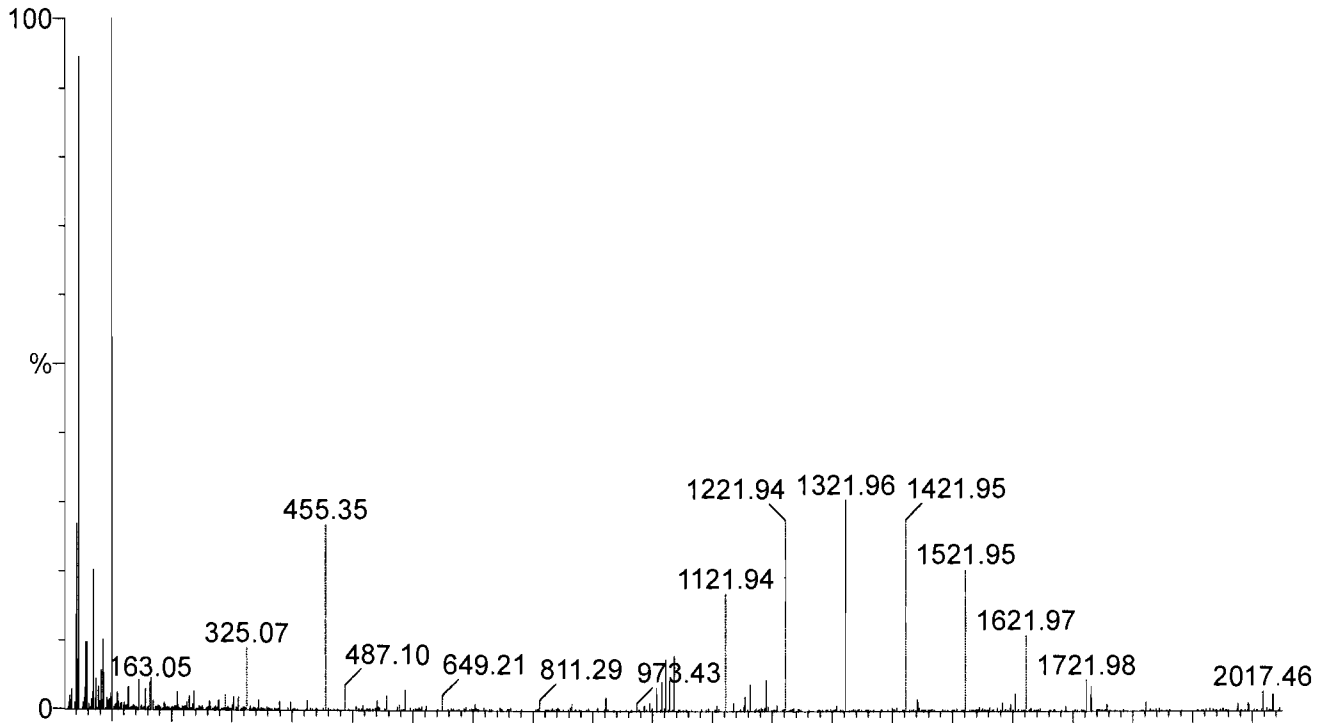
Printed: Sat Aug 18 14:46:34 2018



Printed: Sat Aug 18 14:47:43 2018

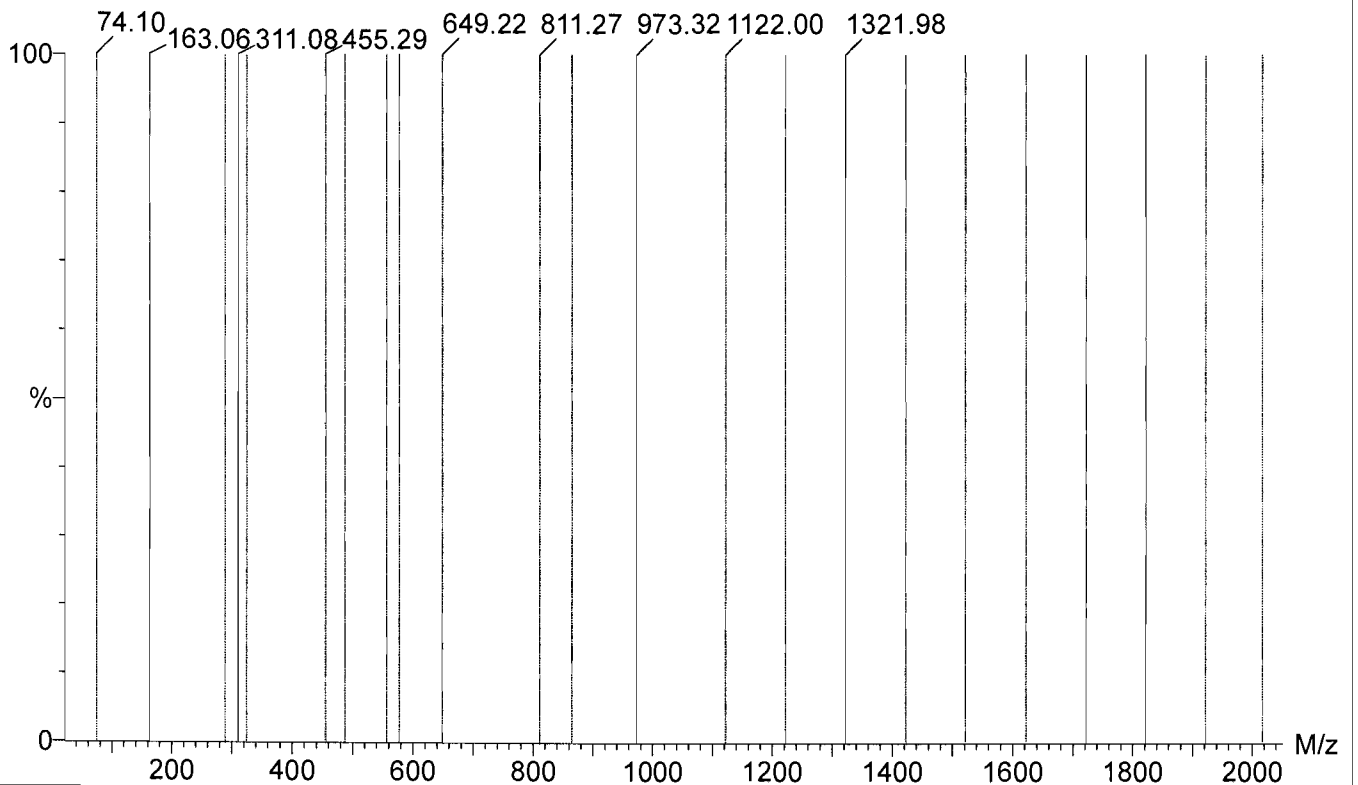
Data file: SCNMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

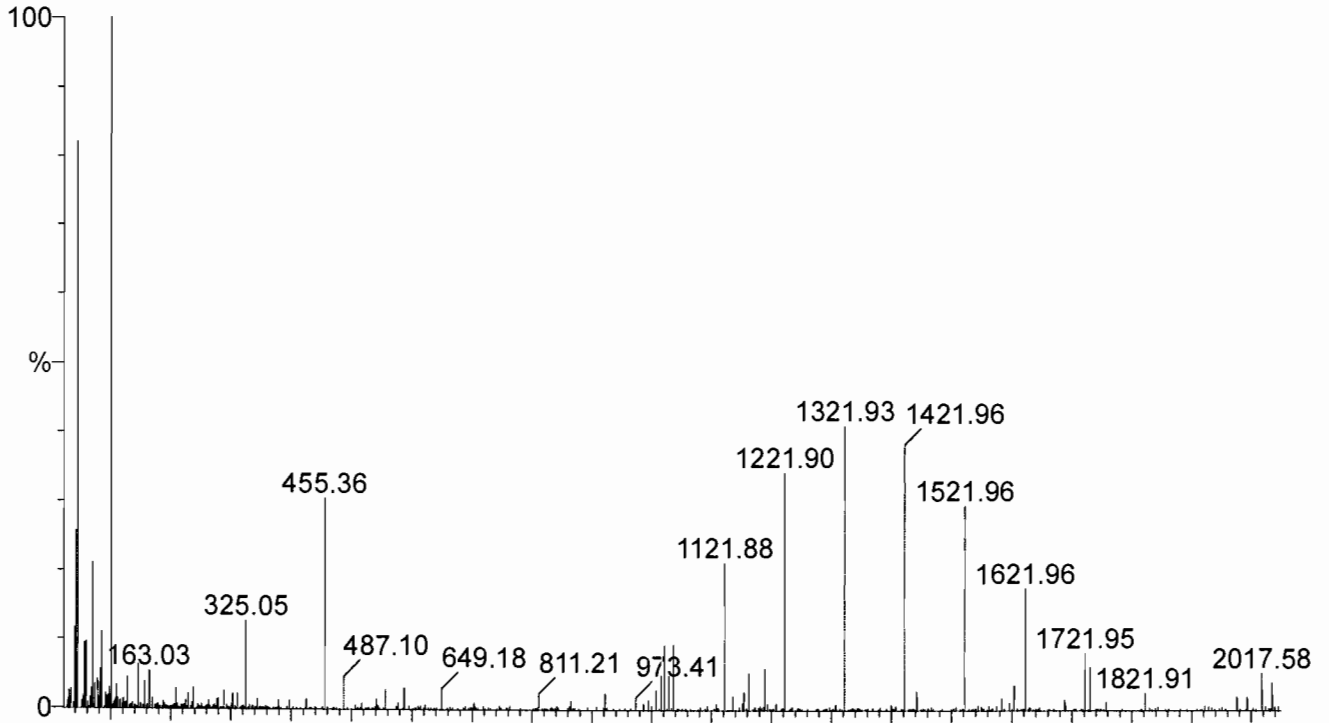
Mean residual = 0.0877 amu



Printed: Sat Aug 18 14:48:54 2018

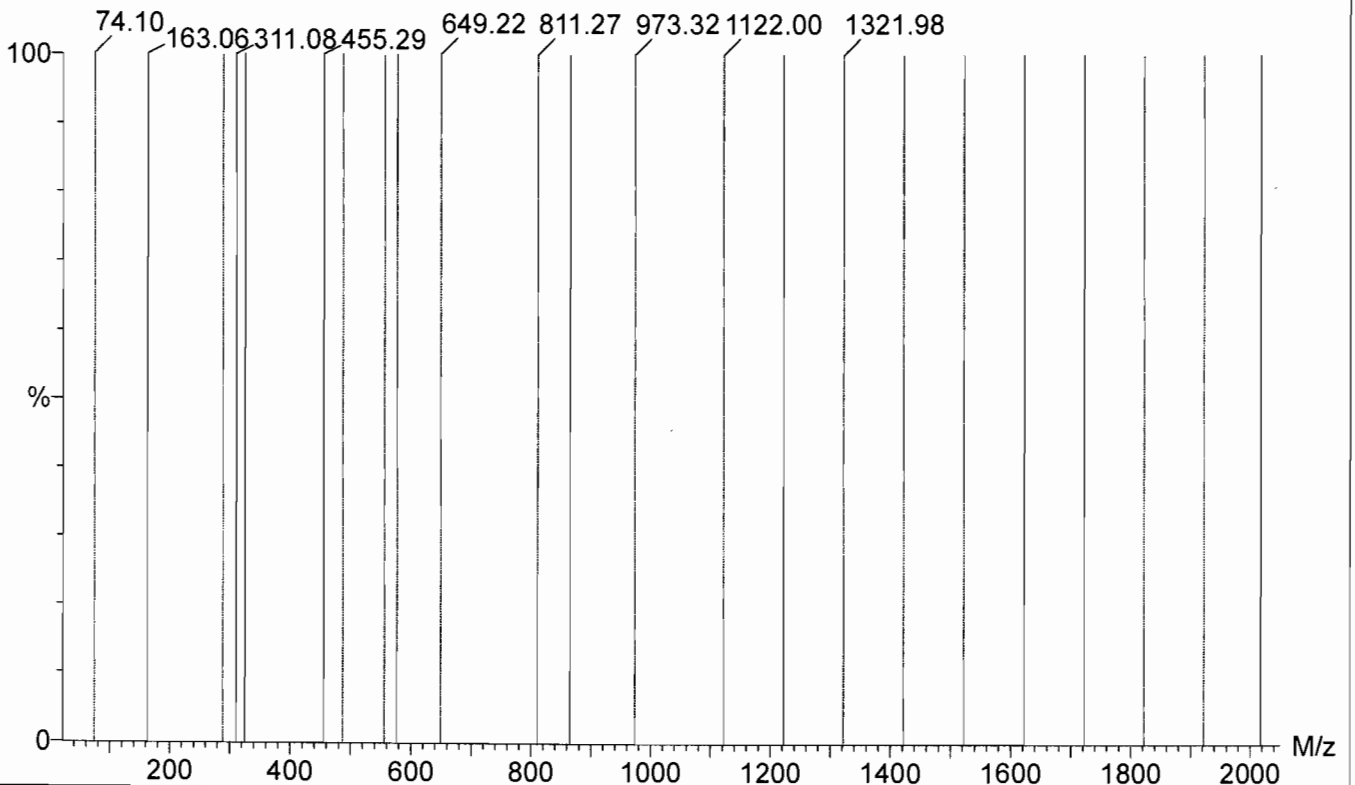
Data file: FASTMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

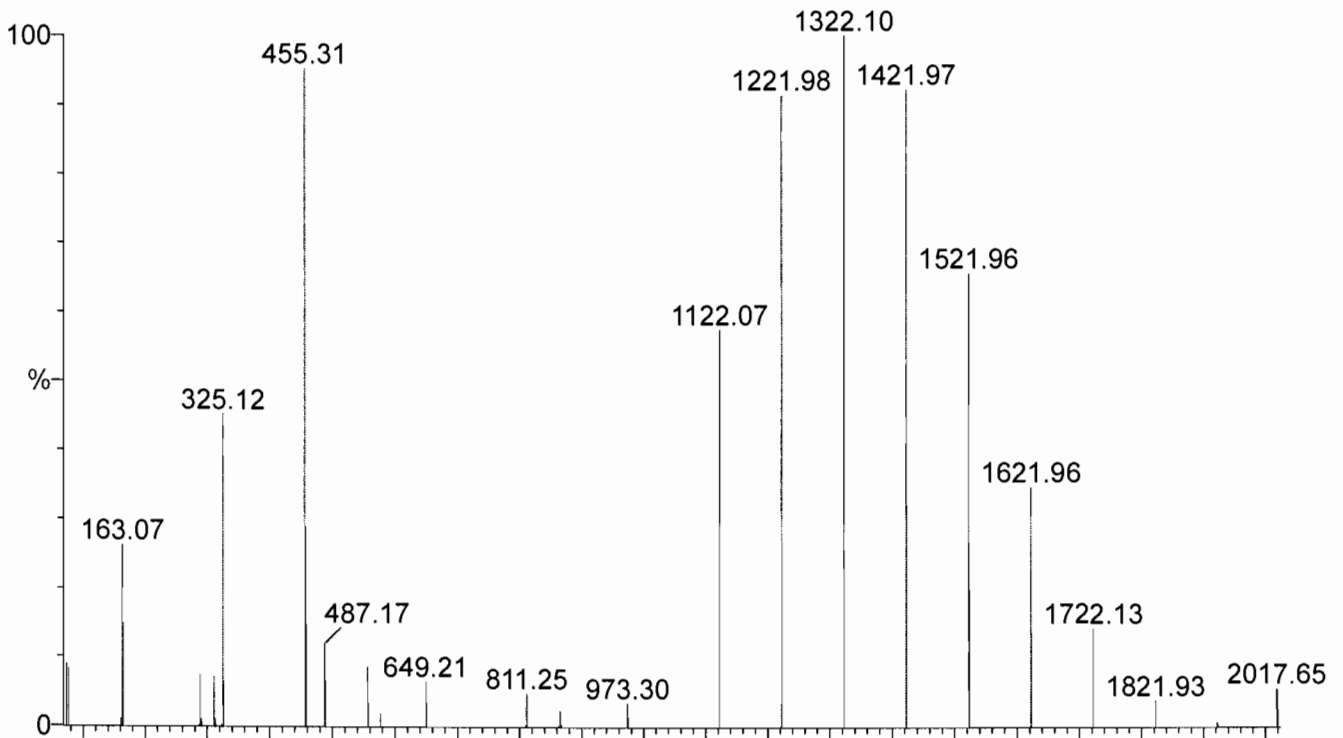
Mean residual = 0.05 amu



Printed: Sat Aug 18 14:50:02 2018

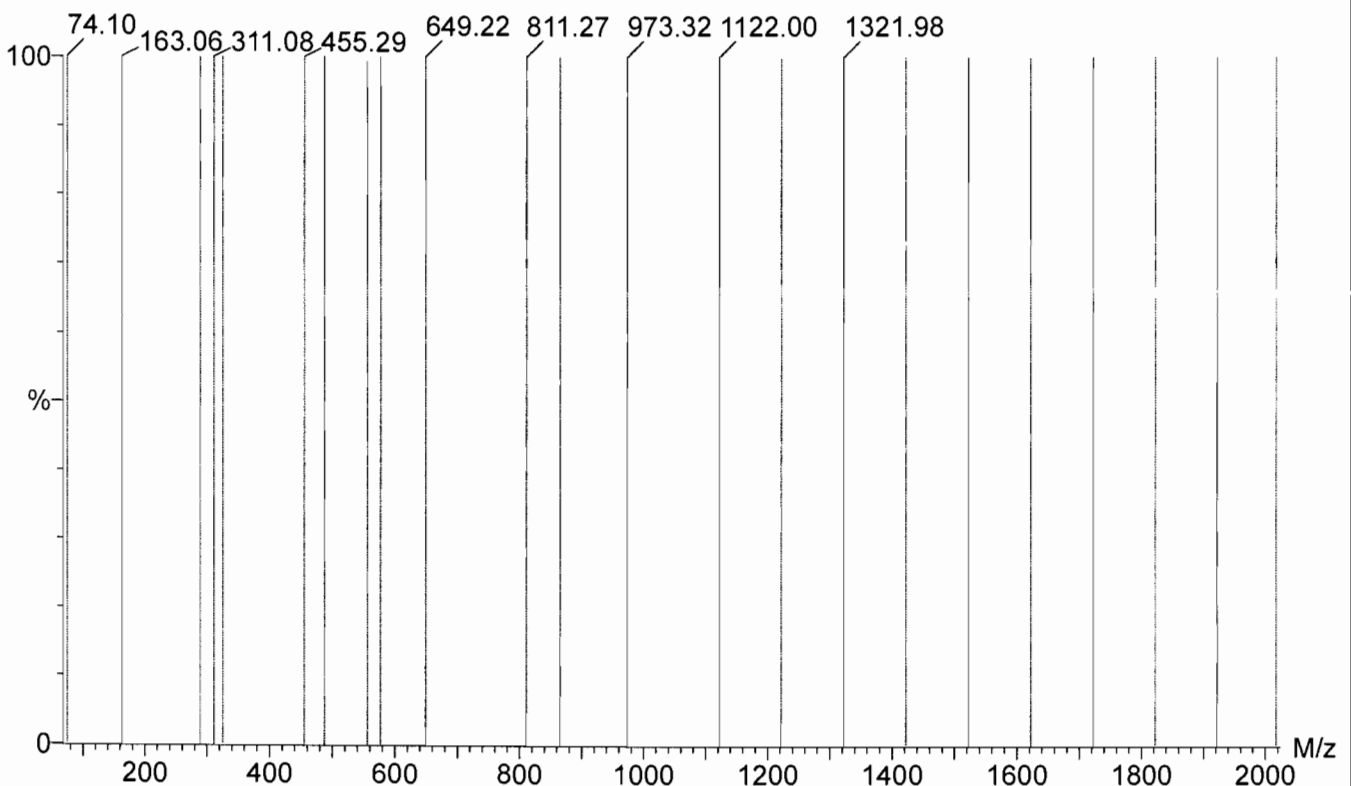
Data file: STATMS2V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

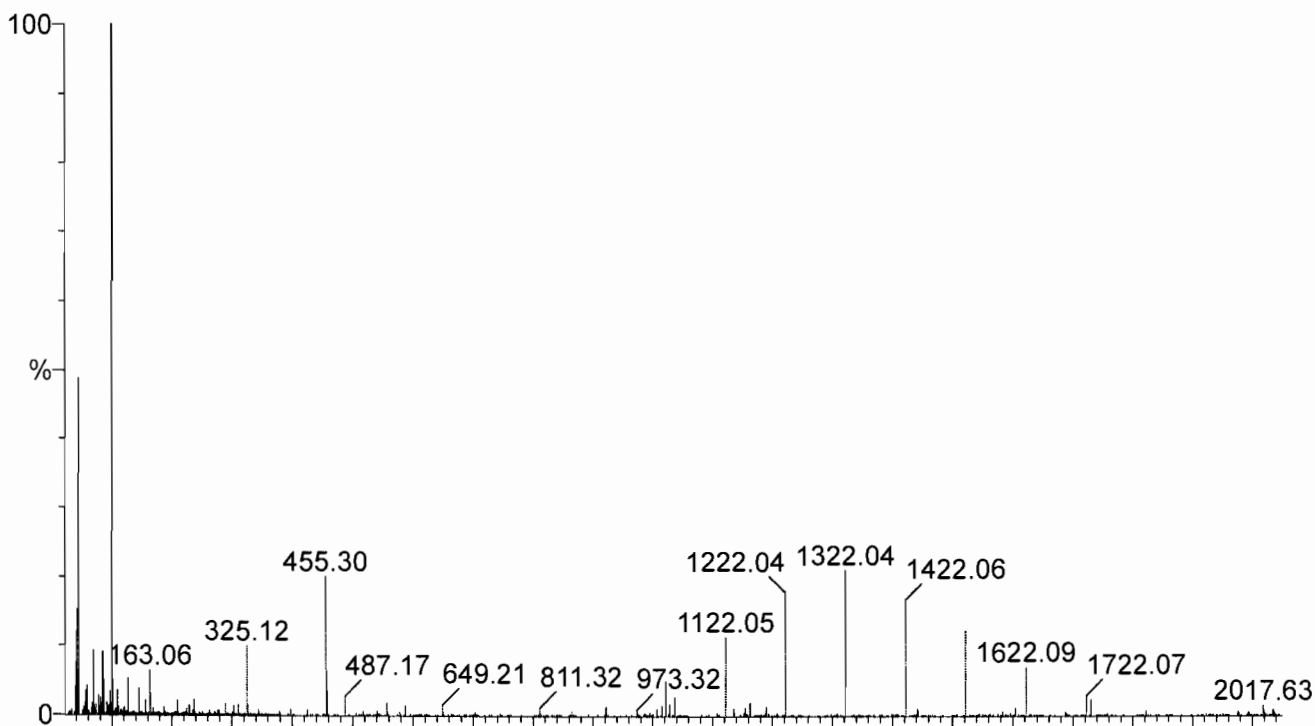
Mean residual = 0.0329 amu



Printed: Sat Aug 18 14:51:11 2018

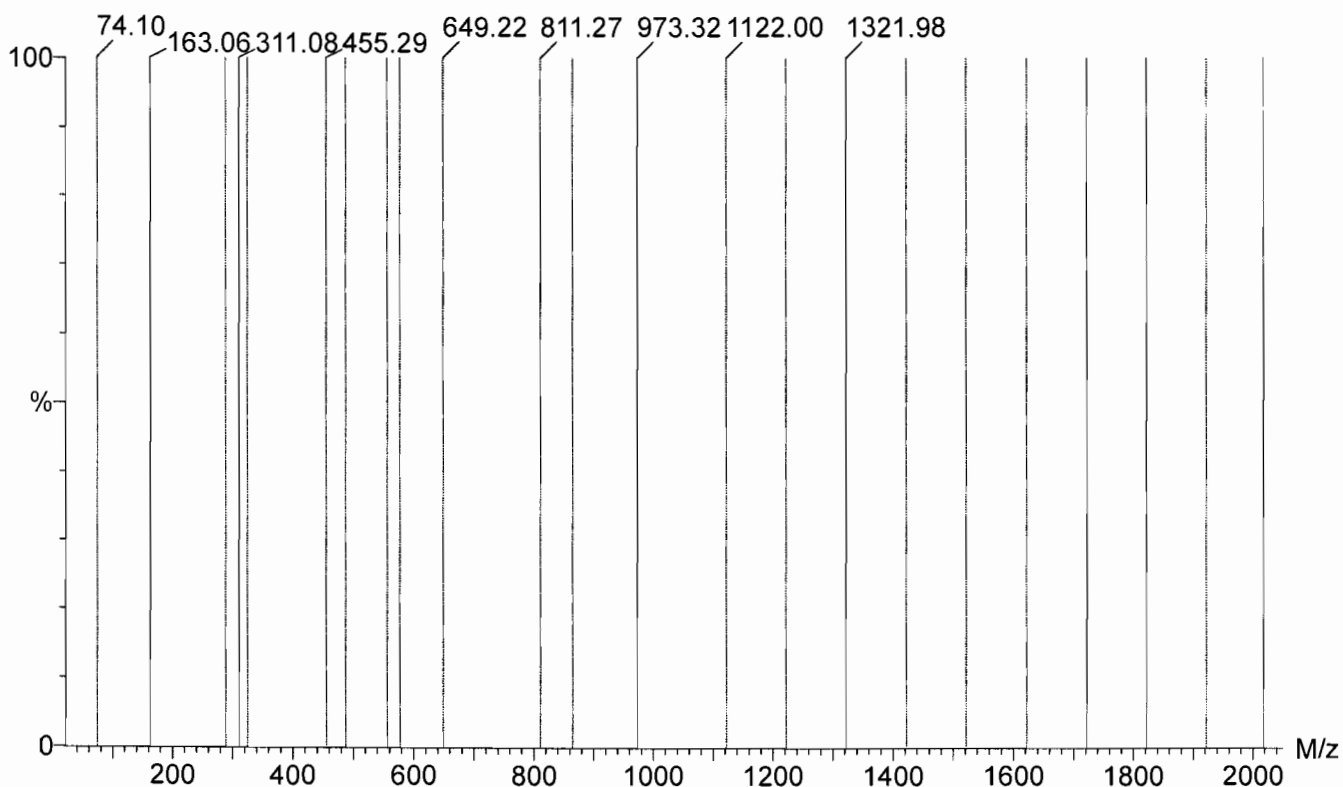
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.0464 amu

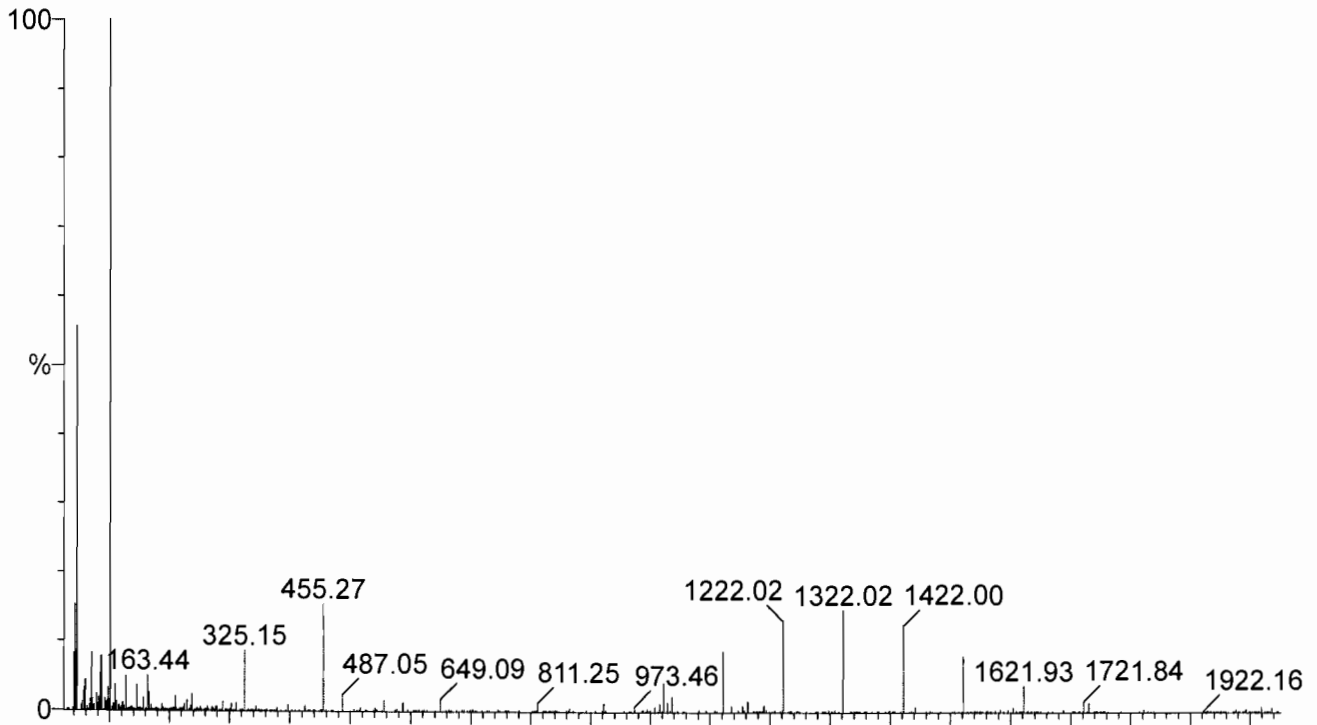




Printed: Sat Aug 18 14:52:37 2018

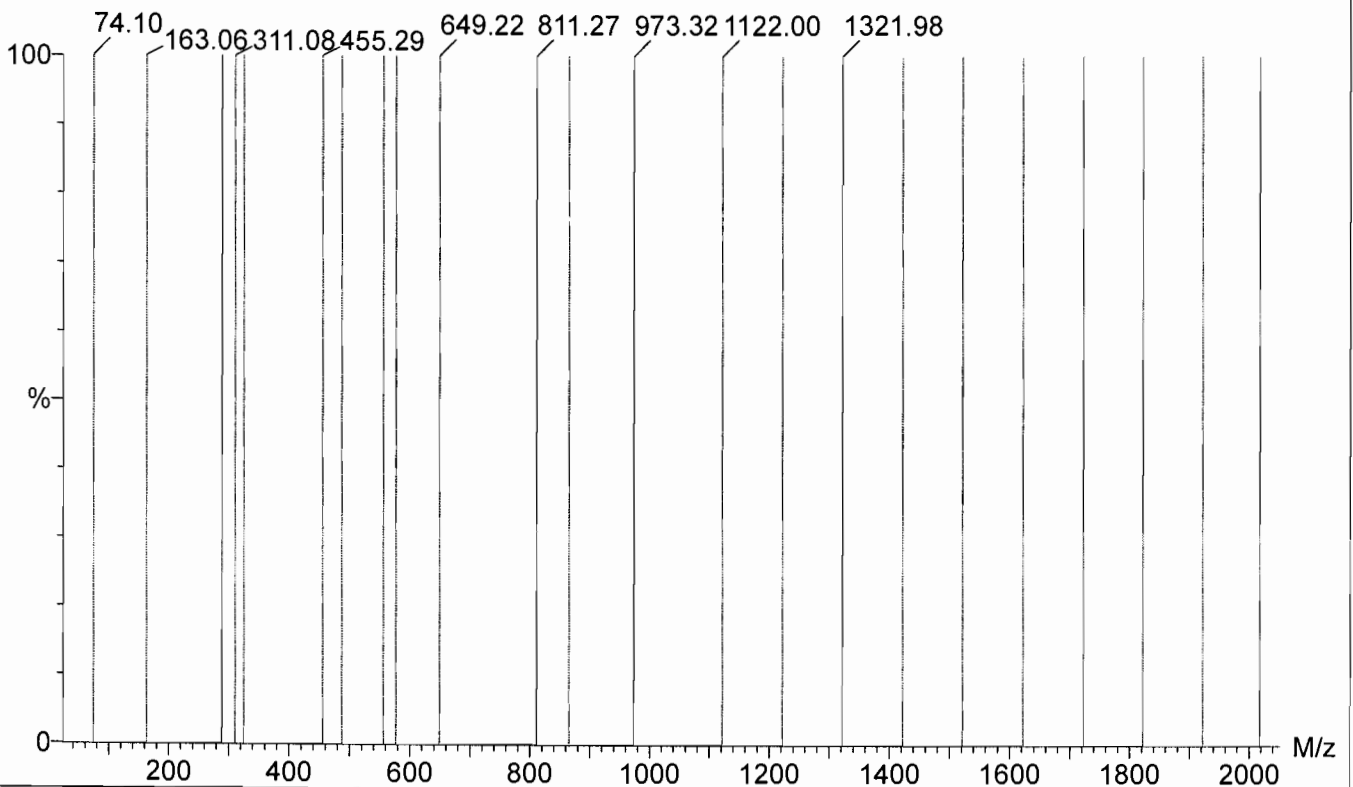
Data file: FASTMS2V - Calibrated

21 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.0855 amu



"sys\_sample\_code","lab\_anl\_method\_name","analysis\_date","analysis\_time","total\_or\_dissolved","column\_number","t  
est\_type","cas\_rn","chemical\_name","result\_value","result\_error\_delta","result\_type\_code","reportable\_result","detect  
flag","lab\_qualifiers","organic\_yn","method\_detection\_limit","reporting\_detection\_limit","quantatation\_limit","result\_u  
nit","detection\_limit\_unit","tic\_retention\_time","result\_comment","qc\_original\_conc","qc\_spike\_added","qc\_spike\_me  
asured","qc\_spike\_recovery","qc\_dup\_original\_conc","qc\_dup\_spike\_added","qc\_dup\_spike\_measured","qc\_dup\_spik  
e\_recovery","qc\_rpd","qc\_spike\_lcl","qc\_spike\_ucl","qc\_rpd\_cl","qc\_spike\_status","qc\_dup\_spike\_status","qc\_rpd\_sta  
tus"

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","375-22-  
4","PFBA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2706-90-  
3","PFPeA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","375-73-  
5","PFBS","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID  
(PFHXA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","375-85-9","PERFLUOROHEPTANOIC  
ACID  
(PFHPA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","355-46-  
4","PERFLUOROHEXANESULFONIC ACID  
(PFHXS)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID  
(PFOA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","375-95-1","PERFLUORONONANOIC ACID  
(PFNA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","754-91-  
6","PFOSA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","1763-23-  
1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","335-76-2","PERFLUORODECANOIC ACID  
(PFDA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2355-31-  
9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2991-50-  
6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC  
ACID  
(PFUNA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC  
ACID  
(PFUNA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC  
ACID  
(PFUNA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","","","",""  
",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","335-77-3","PFDS","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","","","  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","72629-94-8","PFTTrDA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","0.00140","0.00204","0.00408","UG\_L","UG\_L","","","","","",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C3-PFBA","13C3-PFBA","91.2","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","91.2","91.2","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C3-PFPeA","13C3-PFPeA","123","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","123","123","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C3-PFBS","13C3-PFBS","135","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","135","135","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFHxA","13C2-PFHxA","94.4","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","94.4","94.4","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C4-PFHpA","13C4-PFHpA","90.1","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","90.1","90.1","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","18O2-PFHxS","18O2-PFHxS","91.8","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","91.8","91.8","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFOA","13C2-PFOA","91.0","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","91.0","91.0","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C5-PFNA","13C5-PFNA","90.9","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","90.9","90.9","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C8-PFOSA","13C8-PFOSA","51.2","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","51.2","51.2","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C8-PFOS","13C8-PFOS","92.2","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","92.2","92.2","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFDA","13C2-PFDA","76.9","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","76.9","76.9","","","50","150",""  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","70.5","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","70.5","70.5","","","50","150"  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","74.7","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","74.7","74.7","","","50","150"  
"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFUnA","13C2-PFUnA","75.5","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","75.5","75.5","","","50","150",""

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFDoA","13C2-PFDoA","76.1","IS","Yes","Y","Y","PCT\_REC","100","76.1","76.1","50","150"

"Clarks-DW-072518","537\_MOD","08/18/18","18:49","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","73.6","IS","Yes","Y","Y","PCT\_REC","100","73.6","73.6","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","375-22-4","PFBA","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","2706-90-3","PFPeA","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","375-73-5","PFBS","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","754-91-6","PFOSA","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","2355-31-9","MeFOSAA","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","2991-50-6","EtFOSAA","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","50","150"

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","2058-94-

8","PERFLUOROUNDECANOIC ACID  
(PFUNA)","","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","","","","","","","","","","",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","335-77-  
3","PFDS","","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","","","","","","","","","",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","307-55-  
1","PERFLUORODODECANOIC ACID  
(PFDOA)","","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","","","","","","","","",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","72629-94-  
8","PFTDA","","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","","","","","","","",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","376-06-  
7","PFTeDA","","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00416","UG\_L","UG\_L","","","","","","",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C3-PFBA","13C3-  
PFBA","93.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","93.6","93.6","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C3-PFPeA","13C3-  
PFPeA","124","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","124","124","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C3-PFBS","13C3-  
PFBS","151","","IS","Yes","Y","H","Y","","","","PCT\_REC","","","","100","151","151","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFHxA","13C2-  
PFHxA","91.0","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","91.0","91.0","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C4-PFHpA","13C4-  
PFHpA","88.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","88.3","88.3","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","18O2-PFHxS","18O2-  
PFHxS","92.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","92.5","92.5","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFOA","13C2-  
PFOA","92.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","92.1","92.1","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C5-PFNA","13C5-  
PFNA","83.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","83.7","83.7","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C8-PFOA","13C8-  
PFOA","46.4","","IS","Yes","Y","H","Y","","","","PCT\_REC","","","","100","46.4","46.4","","","","50","150"  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C8-PFOS","13C8-  
PFOS","94.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","94.6","94.6","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFDA","13C2-  
PFDA","70.0","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","70.0","70.0","","","","50","150",""  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","d3-MeFOSAA","d3-  
MeFOSAA","72.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","72.6","72.6","","","","50","150"  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","78.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","78.2","78.2","","","","50","150

"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFUnA","13C2-PFUnA","73.7","IS","Yes","Y","Y","PCT\_REC","100","73.7","73.7","50","150",  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFDoA","13C2-PFDoA","77.6","IS","Yes","Y","Y","PCT\_REC","100","77.6","77.6","50","150",  
"Shop Pasture-DW-072518","537\_MOD","08/18/18","19:10","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","84.6","IS","Yes","Y","Y","PCT\_REC","100","84.6","84.6","50","150",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","375-22-4","PFBA","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","2706-90-3","PFPeA","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","375-73-5","PFBS","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID (PFOA)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","754-91-6","PFOSA","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","2355-31-9","MeFOSAA","TRG","Yes","N","U","Y","0.00143","0.00208","0.00416","UG\_L","UG\_L",  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","2991-50-



0",,,,,,""  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","80.9",,,,,,"IS","Yes","Y",,,,,,"Y",,,,,,"PCT\_REC",,,,,,"100","80.9","80.9",,,,,,"50","150",  
"  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","13C2-PFUnA","13C2-  
PFUnA","75.8",,,,,,"IS","Yes","Y",,,,,,"Y",,,,,,"PCT\_REC",,,,,,"100","75.8","75.8",,,,,,"50","150",  
"  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","13C2-PFDoA","13C2-  
PFDoA","79.6",,,,,,"IS","Yes","Y",,,,,,"Y",,,,,,"PCT\_REC",,,,,,"100","79.6","79.6",,,,,,"50","150",  
"  
"Welder HQ-DW-072518","537\_MOD","08/18/18","19:31","N","NA","000","13C2-PFTeDA","13C2-  
PFTeDA","76.2",,,,,,"IS","Yes","Y",,,,,,"Y",,,,,,"PCT\_REC",,,,,,"100","76.2","76.2",,,,,,"50","150",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","375-22-  
4","PFBA",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","2706-90-  
3","PFPeA",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","375-73-  
5","PFBS",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","307-24-4","PERFLUOROHEXANOIC  
ACID  
(PFHXA)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","375-85-  
9","PERFLUROHEPTANOIC ACID  
(PFHPA)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","355-46-  
4","PERFLUROHEXANESULFONIC ACID  
(PFHXS)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","335-67-1","PERFLUROOCTANOIC  
ACID  
(PFOA)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","375-95-1","PERFLURONONANOIC  
ACID  
(PFNA)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","754-91-  
6","PFOSA",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","1763-23-  
1","HEPTADEC AFLUROACTANESULFONIC ACID SOLUTION  
",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","335-76-2","PERFLURODECANOIC  
ACID  
(PFDA)",,,,,,"TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L",,,,,,"",  
"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","2355-31-



9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","2991-50-6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","335-77-3","PFDS","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","72629-94-8","PFTTrDA","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","0.00143","0.00209","0.00418","UG\_L","UG\_L","","","","","","","","",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C3-PFBA","13C3-PFBA","95.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","95.7","95.7","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C3-PFPeA","13C3-PFPeA","122","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","122","122","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C3-PFBS","13C3-PFBS","136","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","136","136","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C2-PFHxA","13C2-PFHxA","93.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","93.1","93.1","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C4-PFHpA","13C4-PFHpA","85.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","85.9","85.9","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","18O2-PFHxS","18O2-PFHxS","92.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","92.7","92.7","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C2-PFOA","13C2-PFOA","91.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","91.3","91.3","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C5-PFNA","13C5-PFNA","88.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","88.8","88.8","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C8-PFOA","13C8-PFOA","46.9","","IS","Yes","Y","H","Y","","","","PCT\_REC","","","","","100","46.9","46.9","","","","","","50","150","\*"  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C8-PFOS","13C8-PFOS","96.0","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","96.0","96.0","","","","","","50","150",""  
"Lupes House-DW-072518","537\_MOD","08/18/18","19:53","N","NA","000","13C2-PFDA","13C2-PFDA","75.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","75.2","75.2","","","","","","50","150",""



(PFDA),"","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","2355-31-  
9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","2991-50-  
6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC  
ACID  
(PFUNA),"","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","335-77-  
3","PFDS","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","307-55-1","PERFLUORODODECANOIC  
ACID  
(PFDOA),"","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","72629-94-  
8","PFTTrDA","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","376-06-  
7","PFTeDA","","","TRG","Yes","N","U","Y","0.00141","0.00205","0.00411","UG\_L","UG\_L","","","","","","","",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C3-PFBA","13C3-  
PFBA","94.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","94.5","94.5","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C3-PFPeA","13C3-  
PFPeA","122","","IS","Yes","Y","Y","","","PCT\_REC","","","100","122","122","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C3-PFBS","13C3-  
PFBS","140","","IS","Yes","Y","Y","","","PCT\_REC","","","100","140","140","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFHxA","13C2-  
PFHxA","93.3","","IS","Yes","Y","Y","","","PCT\_REC","","","100","93.3","93.3","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C4-PFHpA","13C4-  
PFHpA","90.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","90.5","90.5","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","18O2-PFHxS","18O2-  
PFHxS","95.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","95.5","95.5","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFOA","13C2-  
PFOA","89.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","89.5","89.5","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C5-PFNA","13C5-  
PFNA","83.6","","IS","Yes","Y","Y","","","PCT\_REC","","","100","83.6","83.6","","","50","150",""  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C8-PFOSA","13C8-  
PFOSA","39.6","","IS","Yes","Y","H","Y","","","PCT\_REC","","","100","39.6","39.6","","","50","150"  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C8-PFOS","13C8-  
PFOS","90.6","","IS","Yes","Y","Y","","","PCT\_REC","","","100","90.6","90.6","","","50","150",,"

"," "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFDA","13C2-  
PFDA","75.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","75.2","75.2","","","","","50","150",""  
"," "" "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","d3-MeFOSAA","d3-  
MeFOSAA","69.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","69.7","69.7","","","","","50","15  
0"," "" "" "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","71.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","71.8","71.8","","","","","50","150  
"," "" "" "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFUnA","13C2-  
PFUnA","71.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","71.6","71.6","","","","","50","150",""  
"," "" "" "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFDoA","13C2-  
PFDoA","76.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","76.5","76.5","","","","","50","150",""  
"," "" "" "" ""  
","  
"Charlies-DW-072518","537\_MOD","08/18/18","20:14","N","NA","000","13C2-PFTeDA","13C2-  
PFTeDA","80.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","80.8","80.8","","","","","50","150"  
"," "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","375-22-  
4","PFBA","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","2706-90-  
3","PFPeA","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","375-73-  
5","PFBS","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","307-24-4","PERFLUOROHEXANOIC  
ACID  
(PFHXA)","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","375-85-9","PERFLUOROHEPTANOIC  
ACID  
(PFHPA)","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","355-46-  
4","PERFLUOROHEXANESULFONIC ACID  
(PFHXS)","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","335-67-1","PERFLUOROOCCTANOIC  
ACID  
(PFOA)","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","375-95-1","PERFLUORONONANOIC  
ACID  
(PFNA)","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","754-91-  
6","PFOSA","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""  
"," "" "" "" "" "" "" "" "" ""  
","  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","1763-23-  
1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","","","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L","","","","","","","","",""

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","2355-31-9","MeFOSAA","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","2991-50-6","EtFOSAA","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","335-77-3","PFDS","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","72629-94-8","PFTDA","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","376-06-7","PFTeDA","TRG","Yes","N","U","Y","0.00144","0.00210","0.00420","UG\_L","UG\_L",,,,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C3-PFBA","13C3-PFBA","93.1","IS","Yes","Y","Y","PCT\_REC","100","93.1","93.1","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C3-PFPeA","13C3-PFPeA","122","IS","Yes","Y","Y","PCT\_REC","100","122","122","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C3-PFBS","13C3-PFBS","140","IS","Yes","Y","Y","PCT\_REC","100","140","140","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFHxA","13C2-PFHxA","94.7","IS","Yes","Y","Y","PCT\_REC","100","94.7","94.7","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C4-PFHpA","13C4-PFHpA","90.6","IS","Yes","Y","Y","PCT\_REC","100","90.6","90.6","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","18O2-PFHxS","18O2-PFHxS","95.3","IS","Yes","Y","Y","PCT\_REC","100","95.3","95.3","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFOA","13C2-PFOA","87.9","IS","Yes","Y","Y","PCT\_REC","100","87.9","87.9","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C5-PFNA","13C5-PFNA","80.7","IS","Yes","Y","Y","PCT\_REC","100","80.7","80.7","50","150",,,,,  
"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C8-PFOA","13C8-PFOA","57.2","IS","Yes","Y","Y","PCT\_REC","100","57.2","57.2","50","150",,,,,

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C8-PFOS","13C8-PFOS","96.5","IS","Yes","Y","Y","PCT\_REC","100","96.5","96.5","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFDA","13C2-PFDA","80.4","IS","Yes","Y","Y","PCT\_REC","100","80.4","80.4","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","73.6","IS","Yes","Y","Y","PCT\_REC","100","73.6","73.6","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","74.5","IS","Yes","Y","Y","PCT\_REC","100","74.5","74.5","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFUnA","13C2-PFUnA","81.9","IS","Yes","Y","Y","PCT\_REC","100","81.9","81.9","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFDoA","13C2-PFDoA","80.6","IS","Yes","Y","Y","PCT\_REC","100","80.6","80.6","50","150",

"Hortzendorf-DW-072518","537\_MOD","08/18/18","20:36","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","82.3","IS","Yes","Y","Y","PCT\_REC","100","82.3","82.3","50","150",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","375-22-4","PFBA","0.0925","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","2706-90-3","PFPeA","0.300","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","375-73-5","PFBS","0.0382","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.390","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.174","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.916","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID (PFOA)","0.859","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.0264","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","754-91-6","PFOSA","0.0247","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L",

"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","1.47","","TRG","Yes","Y","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","335-76-2","PERFLUORODECANOIC ACID  
(PFDA)","0.00208","","TRG","Yes","Y","J","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","2355-31-9","MeFOSAA","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","2991-50-6","EtFOSAA","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID  
(PFUNA)","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","335-77-3","PFDS","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID  
(PFDOA)","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","72629-94-8","PFTTrDA","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","376-06-7","PFTeDA","","TRG","Yes","N","U","Y","0.00142","0.00207","0.00414","UG\_L","UG\_L","","","","","","","","",""  
","","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C3-PFBA","13C3-PFBA","91.9","","IS","Yes","Y","Y","","","PCT\_REC","","","100","91.9","91.9","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C3-PFPeA","13C3-PFPeA","122","","IS","Yes","Y","Y","","","PCT\_REC","","","100","122","122","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C3-PFBS","13C3-PFBS","146","","IS","Yes","Y","Y","","","PCT\_REC","","","100","146","146","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C2-PFHxA","13C2-PFHxA","94.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","94.5","94.5","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C4-PFHpA","13C4-PFHpA","91.9","","IS","Yes","Y","Y","","","PCT\_REC","","","100","91.9","91.9","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","18O2-PFHxS","18O2-PFHxS","90.9","","IS","Yes","Y","Y","","","PCT\_REC","","","100","90.9","90.9","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C2-PFOA","13C2-PFOA","89.7","","IS","Yes","Y","Y","","","PCT\_REC","","","100","89.7","89.7","","","","","50","150",""  
","",""  
"Charlies Pasture-DW-072518","537\_MOD","08/18/18","20:57","N","NA","000","13C5-PFNA","13C5-PFNA","79.5","","IS","Yes","Y","Y","","","PCT\_REC","","","100","79.5","79.5","","","","","50","150",""





"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","754-91-6","PFOSA","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","2355-31-9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","2991-50-6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","335-77-3","PFDS","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","72629-94-8","PFTrDA","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","0.00144","0.00211","0.00422","UG\_L","UG\_L","","","","","","","","","","","","",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C3-PFBA","13C3-PFBA","91.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","91.1","91.1","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C3-PFPeA","13C3-PFPeA","117","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","117","117","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C3-PFBS","13C3-PFBS","122","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","122","122","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFHxA","13C2-PFHxA","91.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","91.7","91.7","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C4-PFHpA","13C4-PFHpA","82.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","82.8","82.8","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","18O2-PFHxS","18O2-PFHxS","88.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","88.1","88.1","","","","","","50","150",""

"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFOA","13C2-PFOA","88.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","88.2","88.2","","","","","","50","150",""

"," "" ""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C5-PFNA","13C5-PFNA","81.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","81.5","81.5","","","","","50","150",""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C8-PFOA","13C8-PFOA","41.9","","IS","Yes","Y","H","Y","","","","PCT\_REC","","","","","100","41.9","41.9","","","","","50","150"  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C8-PFOS","13C8-PFOS","89.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","89.6","89.6","","","","","50","150",""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFDA","13C2-PFDA","65.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","65.5","65.5","","","","","50","150",""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","61.4","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","61.4","61.4","","","","","50","150"  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","62.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","62.8","62.8","","","","","50","150"  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFUnA","13C2-PFUnA","68.0","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","68.0","68.0","","","","","50","150",""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFDoA","13C2-PFDoA","66.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","66.3","66.3","","","","","50","150",""  
"Charlies Pasture-FB-072518","537\_MOD","08/18/18","21:08","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","74.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","74.7","74.7","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","375-22-4","PFBA","0.0474","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","2706-90-3","PFPeA","0.116","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","375-73-5","PFBS","0.0249","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.160","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0531","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.166","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","335-67-1","PERFLUOROOCANOIC ACID (PFOA)","0.0609","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","50","150"  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","375-95-

1","PERFLUORONONANOIC ACID  
(PFNA)","0.00375","","TRG","Yes","Y","J","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","754-91-  
6","PFOSA","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","1763-23-  
1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","0.0592","","TRG","Yes","Y","","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","335-76-  
2","PERFLUORODECANOIC ACID  
(PFDA)","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","2355-31-  
9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","2991-50-  
6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","2058-94-  
8","PERFLUOROUNDECANOIC ACID  
(PFUNA)","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","335-77-  
3","PFDS","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","307-55-  
1","PERFLUORODODECANOIC ACID  
(PFDOA)","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","72629-94-  
8","PFTTrDA","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","376-06-  
7","PFTeDA","","","TRG","Yes","N","U","Y","0.00141","0.00206","0.00412","UG\_L","UG\_L","","","","","","","","",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","13C3-PFBA","13C3-  
PFBA","85.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","85.3","85.3","","","","","50","150",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","13C3-PFPeA","13C3-  
PFPeA","111","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","111","111","","","","50","150",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","13C3-PFBS","13C3-  
PFBS","130","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","130","130","","","","50","150",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","13C2-PFHxA","13C2-  
PFHxA","84.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","84.1","84.1","","","","50","150",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","13C4-PFHpA","13C4-  
PFHpA","81.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","81.9","81.9","","","","50","150",""  
"Shooting Range 1-DW-072518","537\_MOD","08/18/18","21:40","N","NA","000","18O2-PFHxS","18O2-  
PFHxS","81.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","81.9","81.9","","","","50","150",""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C2-PFOA", "13C2-PFOA", "83.6", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "83.6", "83.6", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C5-PFNA", "13C5-PFNA", "78.5", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "78.5", "78.5", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C8-PFOA", "13C8-PFOA", "45.8", "", "IS", "Yes", "Y", "H", "Y", "", "", "PCT\_REC", "", "", "", "100", "45.8", "45.8", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C8-PFOS", "13C8-PFOS", "83.2", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "83.2", "83.2", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C2-PFDA", "13C2-PFDA", "68.5", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "68.5", "68.5", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "d3-MeFOSAA", "d3-MeFOSAA", "71.3", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "71.3", "71.3", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "d5-EtFOSAA", "d5-EtFOSAA", "72.0", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "72.0", "72.0", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C2-PFUnA", "13C2-PFUnA", "73.2", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "73.2", "73.2", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C2-PFDoA", "13C2-PFDoA", "71.3", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "71.3", "71.3", "", "", "", "50", "150", ""

"Shooting Range 1-DW-072518", "537\_MOD", "08/18/18", "21:40", "N", "NA", "000", "13C2-PFTeDA", "13C2-PFTeDA", "81.2", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "81.2", "81.2", "", "", "", "50", "150", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "375-22-4", "PFBA", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "2706-90-3", "PFPeA", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "375-73-5", "PFBS", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "307-24-4", "PERFLUOROHEXANOIC ACID (PFHXA)", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "375-85-9", "PERFLUOROHEPTANOIC ACID (PFHPA)", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "355-46-4", "PERFLUOROHEXANESULFONIC ACID (PFHXS)", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", ""

"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "335-67-1", "PERFLUOROOCCTANOIC ACID

(PFOA)", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "375-95-1", "PERFLUORONONANOIC ACID  
(PFNA)", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "754-91-6", "PFOSA", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "1763-23-1", "HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
, "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "335-76-2", "PERFLUORODECANOIC ACID  
(PFDA)", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "2355-31-9", "MeFOSAA", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "2991-50-6", "EtFOSAA", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "2058-94-8", "PERFLUOROUNDECANOIC ACID  
(PFUNA)", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "335-77-3", "PFDS", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "307-55-1", "PERFLUORODODECANOIC ACID  
(PFDOA)", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "72629-94-8", "PFTrDA", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "376-06-7", "PFTeDA", "", "", "TRG", "Yes", "N", "U", "Y", "0.00144", "0.00210", "0.00420", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "13C3-PFBA", "13C3-PFBA", "93.7", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "93.7", "93.7", "", "", "", "", "", "50", "150", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "13C3-PFPeA", "13C3-PFPeA", "124", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "124", "124", "", "", "", "", "", "50", "150", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "13C3-PFBS", "13C3-PFBS", "129", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "129", "129", "", "", "", "", "", "50", "150", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "13C2-PFHxA", "13C2-PFHxA", "94.3", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "94.3", "94.3", "", "", "", "", "", "50", "150", "",  
"Shooting Range 1-FB-072518", "537\_MOD", "08/18/18", "21:51", "N", "NA", "000", "13C4-PFHpA", "13C4-PFHpA", "87.5", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "", "100", "87.5", "87.5", "", "", "", "", "", "50", "150", "

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","18O2-PFHxS","18O2-PFHxS","92.9","IS","Yes","Y","Y","PCT\_REC","100","92.9","92.9","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C2-PFOA","13C2-PFOA","90.4","IS","Yes","Y","Y","PCT\_REC","100","90.4","90.4","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C5-PFNA","13C5-PFNA","82.3","IS","Yes","Y","Y","PCT\_REC","100","82.3","82.3","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C8-PFOA","13C8-PFOA","43.1","IS","Yes","Y","H","Y","PCT\_REC","100","43.1","43.1","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C8-PFOS","13C8-PFOS","97.8","IS","Yes","Y","Y","PCT\_REC","100","97.8","97.8","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C2-PFDA","13C2-PFDA","71.7","IS","Yes","Y","Y","PCT\_REC","100","71.7","71.7","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","63.4","IS","Yes","Y","Y","PCT\_REC","100","63.4","63.4","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","67.6","IS","Yes","Y","Y","PCT\_REC","100","67.6","67.6","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C2-PFUnA","13C2-PFUnA","69.6","IS","Yes","Y","Y","PCT\_REC","100","69.6","69.6","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C2-PFDoA","13C2-PFDoA","69.3","IS","Yes","Y","Y","PCT\_REC","100","69.3","69.3","50","150",

"Shooting Range 1-FB-072518","537\_MOD","08/18/18","21:51","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","71.6","IS","Yes","Y","Y","PCT\_REC","100","71.6","71.6","50","150",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","375-22-4","PFBA","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","2706-90-3","PFPeA","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","375-73-5","PFBS","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID (PFOA)","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L",

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","754-91-6","PFOSA","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","2355-31-9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","2991-50-6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","335-77-3","PFDS","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","72629-94-8","PFTTrDA","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C3-PFBA","13C3-PFBA","88.9","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","88.9","88.9","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C3-PFPeA","13C3-PFPeA","115","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","115","115","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C3-PFBS","13C3-PFBS","129","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","129","129","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C2-PFHxA","13C2-PFHxA","85.6","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","85.6","85.6","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C4-PFHpA","13C4-PFHpA","83.1","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","83.1","83.1","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","18O2-PFHxS","18O2-PFHxS","89.1","","IS","Yes","Y","","Y","","","PCT\_REC","","","100","89.1","89.1","","","50","150",""

"DUP-1","537\_MOD","08/18/18","22:02","N","NA","000","13C2-PFOA","13C2-

PFOA", "94.6", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "94.6", "94.6", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C5-PFNA", "13C5-  
PFNA", "81.6", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "81.6", "81.6", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C8-PFOSA", "13C8-  
PFOSA", "23.8", "", "IS", "Yes", "Y", "H", "Y", "", "", "PCT\_REC", "", "", "100", "23.8", "23.8", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C8-PFOS", "13C8-  
PFOS", "84.8", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "84.8", "84.8", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C2-PFDA", "13C2-  
PFDA", "70.9", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "70.9", "70.9", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "d3-MeFOSAA", "d3-  
MeFOSAA", "65.8", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "65.8", "65.8", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "d5-EtFOSAA", "d5-  
EtFOSAA", "68.1", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "68.1", "68.1", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C2-PFUnA", "13C2-  
PFUnA", "67.0", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "67.0", "67.0", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C2-PFDoA", "13C2-  
PFDoA", "69.7", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "69.7", "69.7", "", "", "50", "150", ""  
"DUP-1", "537\_MOD", "08/18/18", "22:02", "N", "NA", "000", "13C2-PFTeDA", "13C2-  
PFTeDA", "80.0", "", "IS", "Yes", "Y", "", "Y", "", "", "PCT\_REC", "", "", "100", "80.0", "80.0", "", "", "50", "150", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "375-22-  
4", "PFBA", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "2706-90-  
3", "PFPeA", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "375-73-  
5", "PFBS", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "307-24-4", "PERFLUOROHEXANOIC ACID  
(PFHXA)", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "375-85-9", "PERFLUOROHEPTANOIC ACID  
(PFHPA)", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "355-46-4", "PERFLUOROHEXANESULFONIC  
ACID  
(PFHXS)", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "335-67-1", "PERFLUOROOCCTANOIC ACID  
(PFOA)", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""  
"B8G0238-BLK1", "537\_MOD", "08/18/18", "18:38", "N", "NA", "000", "375-95-1", "PERFLUORONONANOIC ACID  
(PFNA)", "", "TRG", "Yes", "N", "U", "Y", "0.00137", "0.00200", "0.00400", "UG\_L", "UG\_L", "", "", "", "", "", "", "", "", "", "", ""





PFNA","81.9","IS","Yes","Y","Y","PCT\_REC","100","81.9","81.9","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C8-PFOA","13C8-  
PFOA","50.8","IS","Yes","Y","Y","PCT\_REC","100","50.8","50.8","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C8-PFOS","13C8-  
PFOS","80.2","IS","Yes","Y","Y","PCT\_REC","100","80.2","80.2","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C2-PFDA","13C2-  
PFDA","67.5","IS","Yes","Y","Y","PCT\_REC","100","67.5","67.5","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","d3-MeFOSAA","d3-  
MeFOSAA","64.5","IS","Yes","Y","Y","PCT\_REC","100","64.5","64.5","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","64.0","IS","Yes","Y","Y","PCT\_REC","100","64.0","64.0","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C2-PFUnA","13C2-  
PFUnA","69.9","IS","Yes","Y","Y","PCT\_REC","100","69.9","69.9","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C2-PFDoA","13C2-  
PFDoA","66.9","IS","Yes","Y","Y","PCT\_REC","100","66.9","66.9","50","150",  
"B8G0238-BLK1","537\_MOD","08/18/18","18:38","N","NA","000","13C2-PFTeDA","13C2-  
PFTeDA","66.0","IS","Yes","Y","Y","PCT\_REC","100","66.0","66.0","50","150",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","375-22-  
4","PFBA","0.0368","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0368","91.9","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","2706-90-  
3","PFPeA","0.0385","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0385","96.1","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","375-73-  
5","PFBS","0.0353","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0353","88.2","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID  
(PFHXA)","0.0396","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0396","99.0","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID  
(PFHPA)","0.0370","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0370","92.6","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC  
ACID  
(PFHXS)","0.0366","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0366","91.5","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID  
(PFOA)","0.0379","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0379","94.7","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","375-95-1","PERFLUORONONANOIC ACID  
(PFNA)","0.0349","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0349","87.1","70","130",  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","754-91-  
6","PFOA","0.0378","TRG","Yes","Y","Y","0.00137","0.00200","0.00400","UG\_L","UG\_L","0.0400",  
0.0378","94.6","70","130",

"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","0.0403",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"0.0400","0.0403","101",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0379",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0379","94.7",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","2355-31-9","MeFOSAA","0.0372",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0372","92.9",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","2991-50-6","EtFOSAA","0.0379",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0379","94.7",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","0.0377",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0377","94.2",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","335-77-3","PFDS","0.0368",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0368","92.1",,"",,"",,"60","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0366",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0366","91.6",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","72629-94-8","PFTTrDA","0.0376",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0376","93.9",,"",,"",,"60","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","376-06-7","PFTeDA","0.0360",,"TRG","Yes","Y",,"Y","0.00137","0.00200","0.00400","UG\_L","UG\_L",,"",,"",,"0.0400","0.0360","89.9",,"",,"",,"70","130",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C3-PFBA","13C3-PFBA","90.9",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","90.9","90.9",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C3-PFPeA","13C3-PFPeA","117",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","117","117",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C3-PFBS","13C3-PFBS","125",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","125","125",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFHxA","13C2-PFHxA","87.4",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","87.4","87.4",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C4-PFHpA","13C4-PFHpA","86.7",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","86.7","86.7",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","18O2-PFHxS","18O2-PFHxS","87.9",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","87.9","87.9",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFOA","13C2-PFOA","88.3",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","88.3","88.3",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C5-PFNA","13C5-PFNA","89.4",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","89.4","89.4",,"",,"",,"",,"50","150",,"",,"",,""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C8-PFOA","13C8-PFOA","50.1",,"IS","Yes","Y",,"Y",,"",,"",,"PCT\_REC",,"",,"",,"100","50.1","50.1",,"",,"",,"",,"50","150",,"",,"",,""

" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C8-PFOS","13C8-  
PFOS","83.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","83.6","83.6","","","","50","150",""  
" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFDA","13C2-  
PFDA","75.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","75.1","75.1","","","","50","150",""  
" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","d3-MeFOSAA","d3-  
MeFOSAA","65.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","65.9","65.9","","","","50","15  
0","","",""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","67.1","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","67.1","67.1","","","","50","150  
" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFUnA","13C2-  
PFUnA","72.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","72.8","72.8","","","","50","150",""  
" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFDoA","13C2-  
PFDoA","71.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","71.7","71.7","","","","50","150",""  
" "" "" ""  
"B8G0238-BS1","537\_MOD","08/18/18","18:06","N","NA","000","13C2-PFTeDA","13C2-  
PFTeDA","74.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","74.6","74.6","","","","50","150"  
" "" "" ""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","375-22-  
4","PFBA","0.0368","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.  
0368","90.7","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","2706-90-  
3","PFPeA","0.0395","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402",""  
0.0395","98.3","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","375-73-  
5","PFBS","0.0368","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.  
0368","91.6","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID  
(PFHXA)","0.0393","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.  
0393","97.7","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID  
(PFHPA)","0.0383","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.  
0383","95.4","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC  
ACID  
(PFHXS)","0.0363","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.  
0363","89.6","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID  
(PFOA)","0.0399","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.0  
399","98.6","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","375-95-1","PERFLUORONONANOIC ACID  
(PFNA)","0.0406","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.0  
406","101","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","754-91-  
6","PFOSA","0.0388","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402",""  
0.0388","96.5","","","70","130",""  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","1763-23-  
1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION  
","0.0384","","TRG","Yes","Y","","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","","0.0402","0.0384","95  
.3","","","70","130",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0392","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.392","97.2","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","2355-31-9","MeFOSAA","0.0370","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0370","92.0","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","2991-50-6","EtFOSAA","0.0386","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0386","96.1","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","0.0376","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0376","93.3","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","335-77-3","PFDS","0.0377","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0377","93.9","60","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0389","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0389","96.8","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","72629-94-8","PFTTrDA","0.0395","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0395","98.3","60","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","376-06-7","PFTeDA","0.0390","TRG","Yes","Y","Y","0.00138","0.00201","0.00402","UG\_L","UG\_L","","","0.0402","0.0390","96.8","70","130"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C3-PFBA","13C3-PFBA","88.3","IS","Yes","Y","Y","","","PCT\_REC","","","100","88.3","88.3","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C3-PFPeA","13C3-PFPeA","117","IS","Yes","Y","Y","","","PCT\_REC","","","100","117","117","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C3-PFBS","13C3-PFBS","133","IS","Yes","Y","Y","","","PCT\_REC","","","100","133","133","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFHxA","13C2-PFHxA","87.2","IS","Yes","Y","Y","","","PCT\_REC","","","100","87.2","87.2","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C4-PFHpA","13C4-PFHpA","86.0","IS","Yes","Y","Y","","","PCT\_REC","","","100","86.0","86.0","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","18O2-PFHxS","18O2-PFHxS","93.7","IS","Yes","Y","Y","","","PCT\_REC","","","100","93.7","93.7","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFOA","13C2-PFOA","83.4","IS","Yes","Y","Y","","","PCT\_REC","","","100","83.4","83.4","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C5-PFNA","13C5-PFNA","80.8","IS","Yes","Y","Y","","","PCT\_REC","","","100","80.8","80.8","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C8-PFOA","13C8-PFOA","55.3","IS","Yes","Y","Y","","","PCT\_REC","","","100","55.3","55.3","","","50","150"  
"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C8-PFOS","13C8-PFOS","86.1","IS","Yes","Y","Y","","","PCT\_REC","","","100","86.1","86.1","","","50","150"

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFDA","13C2-PFDA","77.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","77.2","77.2","","","","","50","150","","",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","71.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","71.2","71.2","","","","","50","150","","",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","71.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","71.7","71.7","","","","","50","150","","",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFUnA","13C2-PFUnA","73.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","73.9","73.9","","","","","50","150","","",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFDoA","13C2-PFDoA","74.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","74.9","74.9","","","","","50","150","","",""

"B8G0238-MS1","537\_MOD","08/18/18","18:16","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","68.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","68.5","68.5","","","","","50","150","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","375-22-4","PFBA","0.0352","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0352","85.7","0.0368","0.0407","0.0352","85.7","5.67","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","2706-90-3","PFPeA","0.0377","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0377","92.5","0.0395","0.0407","0.0377","92.5","6.08","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","375-73-5","PFBS","0.0341","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0341","83.7","0.0368","0.0407","0.0341","83.7","9.01","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.0365","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0365","89.6","0.0393","0.0407","0.0365","89.6","8.65","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0377","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0377","92.7","0.0383","0.0407","0.0377","92.7","2.87","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.0378","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0378","92.1","0.0363","0.0407","0.0378","92.1","2.75","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","335-67-1","PERFLUOROOCCTANOIC ACID (PFOA)","0.0356","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0356","86.7","0.0399","0.0407","0.0356","86.7","12.8","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.0346","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0346","84.6","0.0406","0.0407","0.0346","84.6","17.7","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","754-91-6","PFOSA","0.0373","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0373","91.7","0.0388","0.0407","0.0373","91.7","5.10","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","1763-23-1","HEPTADEC AFLUOROACTANESULFONIC ACID SOLUTION","0.0369","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0369","90.4","0.0384","0.0407","0.0369","90.4","5.28","70","130","30","","",""

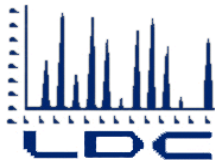
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0388","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0388","95.0","0.0392","0.0407","0.0388","95.0","2.29","70","130","30","","",""

"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","2355-31-

9","MeFOSAA","0.0380","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0380","93.3","0.0370","0.0407","0.0380","93.3","1.40","70","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","2991-50-6","EtFOSAA","0.0380","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0380","93.5","0.0386","0.0407","0.0380","93.5","2.74","70","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","0.0358","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0358","87.9","0.0376","0.0407","0.0358","87.9","5.96","70","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","335-77-3","PFDS","0.0339","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0339","83.4","0.0377","0.0407","0.0339","83.4","11.8","60","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0349","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0349","85.8","0.0389","0.0407","0.0349","85.8","12.0","70","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","72629-94-8","PFTTrDA","0.0364","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0364","89.5","0.0395","0.0407","0.0364","89.5","9.37","60","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","376-06-7","PFTeDA","0.0363","","TRG","Yes","Y","","Y","0.00139","0.00203","0.00407","UG\_L","UG\_L","","","","0.0407","0.0363","89.0","0.0390","0.0407","0.0363","89.0","8.40","70","130","30","","",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C3-PFBA","13C3-PFBA","96.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","96.9","96.9","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C3-PFPeA","13C3-PFPeA","121","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","121","121","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C3-PFBS","13C3-PFBS","139","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","139","139","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFHxA","13C2-PFHxA","93.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","93.2","93.2","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C4-PFHpA","13C4-PFHpA","86.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","86.8","86.8","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","18O2-PFHxS","18O2-PFHxS","87.7","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","87.7","87.7","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFOA","13C2-PFOA","92.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","92.3","92.3","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C5-PFNA","13C5-PFNA","87.0","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","87.0","87.0","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C8-PFOA","13C8-PFOA","58.2","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","58.2","58.2","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C8-PFOS","13C8-PFOS","99.3","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","99.3","99.3","","","","50","150",""  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFDA","13C2-PFDA","76.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","100","76.6","76.6","","","","50","150",""

,"","",""  
,, ,  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","d3-MeFOSAA","d3-  
MeFOSAA","72.6","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","72.6","72.6","","","","","50","15  
0","","","",""  
,, ,  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","d5-EtFOSAA","d5-  
EtFOSAA","75.5","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","75.5","75.5","","","","","50","150  
"","","",""  
,, ,  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFUnA","13C2-  
PFUnA","77.4","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","77.4","77.4","","","","","50","150","  
"","","",""  
,, ,  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFDoA","13C2-  
PFDoA","81.8","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","81.8","81.8","","","","","50","150","  
"","","",""  
,, ,  
"B8G0238-MSD1","537\_MOD","08/18/18","18:27","N","NA","000","13C2-PFTeDA","13C2-  
PFTeDA","72.9","","IS","Yes","Y","","Y","","","","PCT\_REC","","","","","100","72.9","72.9","","","","","50","150"  
,"","",""  
,, ,





## LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AMEC Foster Wheeler, Inc.  
7376 SW Durham Road  
Portland, OR 97224  
Attn: Ms. Marina Mitchell

August 31, 2018

SUBJECT: Former Chase Field, Data Validation

Dear Ms. Mitchell,

Enclosed is the final validation report for the fraction listed below. This SDG was received on August 22, 2018. Attachment 1 is a summary of the samples that were reviewed for analysis.

**LDC Project #42959:**

<b><u>SDG #</u></b>	<b><u>Fraction</u></b>
1802055	Perfluorinated Alkyl Acids

The data validation was performed under Stage 2B & 4 guidelines. The analyses were validated using the following documents, as applicable to each method:

- Final Sampling and Analysis Plan for Initial Assessment of Perfluorinated Compounds or Per- and Polyfluoroalkyl Substances Sites at Various Base Realignment and Closure Installations; June 2017
- U.S. Department of Defense Quality Systems Manual for Environmental Laboratories, Version 5.1, 2017
- USEPA, National Functional Guidelines for Organic Superfund Methods Data Review, January 2017

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng  
Project Manager/Senior Chemist

90/10

**LDC #42959 (AMEC Foster Wheeler-Portland, OR / Chase Field)**

LDC	SDG#	DATE REC'D	(1) DATE DUE	PFAs (537M)		W				S				W				S				W				S							
				W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S						
Matrix: Water/Soil																																	
A	1802055	08/22/18	08/29/18	10	0																												
A	1802055	08/22/18	08/29/18	1	0																												
Total	J/PG			11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11

## Laboratory Data Consultants, Inc. Data Validation Report

**Project/Site Name:** Former Chase Field

**LDC Report Date:** August 28, 2018

**Parameters:** Perfluorinated Alkyl Acids

**Validation Level:** Stage 2B & 4

**Laboratory:** Vista Analytical Laboratory

**Sample Delivery Group (SDG):** 1802055

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
Clarks-DW-072518	1802055-01	Water	07/25/18
Shop Pasture-DW-072518	1802055-03	Water	07/25/18
Welder HQ-DW-072518	1802055-05	Water	07/25/18
Lupes House-DW-072518	1802055-07	Water	07/25/18
Charlies-DW-072518	1802055-09	Water	07/25/18
Hortzendorf-DW-072518	1802055-11	Water	07/25/18
Charlies Pasture-DW-072518**	1802055-13**	Water	07/25/18
Charlies Pasture-FB-072518	1802055-14	Water	07/25/18
Shooting Range 1-DW-072518	1802055-15	Water	07/25/18
Shooting Range 1-FB-072518	1802055-16	Water	07/25/18
DUP-1	1802055-17	Water	07/25/18
Lupes House-DW-072518MS	1802055-07MS	Water	07/25/18
Lupes House-DW-072518MSD	1802055-07MSD	Water	07/25/18

\*\*Indicates sample underwent Stage 4 validation

## Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Initial Assessment of Perfluorinated Compounds (PFCS) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations (June 2017), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537 Modified

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Samples appended with a double asterisk on the cover page were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

## **I. Sample Receipt and Technical Holding Times**

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

## **II. LC/MS Instrument Performance Check**

Instrument performance was checked as applicable.

All ion abundance requirements were met.

## **III. Initial Calibration and Initial Calibration Verification**

Initial calibration was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination ( $r^2$ ) was greater than or equal to 0.990.

For each calibration point, the percent differences (%D) for their true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

## **IV. Continuing Calibration**

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

## **V. Laboratory Blanks**

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

## **VI. Field Blanks**

Samples Charlies Pasture-FB-072518 and Shooting Range 1-FB-072518 were identified as field blanks. No contaminants were found.

## **VII. Surrogates**

Surrogates were added to all drinking water samples as required by the method. All surrogate recoveries (%R) were within QC limits.

### VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

### IX. Ongoing Precision Recoveries

Ongoing precision recovery (OPR) samples were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

### X. Field Duplicates

Samples Welder HQ-DW-072518 and DUP-1 were identified as field duplicates. No results were detected in any of the samples.

### XI. Labeled Compounds

All percent recoveries (%R) for labeled compounds used to quantitate target compounds were within QC limits with the following exceptions:

Sample	Labeled Compound	Area (Limits)	Affected Compound	Flag	A or P
Shop Pasture-DW-072518	13C3-MeFOSAA	151 (50-150)	MeFOSAA	UJ (all non-detects)	P
Shop Pasture-DW-072518	13C8-PFOSA	46.4 (50-150)	PFOSA	NA	-
Lupes House-DW-072518	13C8-PFOSA	46.9 (50-150)	PFOSA	NA	-
Charlies-DW-072518	13C8-PFOSA	39.6 (50-150)	PFOSA	NA	-
Charlies Pasture-DW-072518**	13C8-PFOSA	45.2 (50-150)	PFOSA	NA	-
Charlies Pasture-FB-072518	13C8-PFOSA	41.9 (50-150)	PFOSA	NA	-
Shooting Range 1-DW-072518	13C8-PFOSA	45.8 (50-150)	PFOSA	NA	-
Shooting Range 1-FB-072518	13C8-PFOSA	43.1 (50-150)	PFOSA	NA	-
DUP-1	13C8-PFOSA	23.8 (50-150)	PFOSA	NA	-

### XII. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

### **XIII. Target Compound Identifications**

All target compound identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

### **XIV. System Performance**

The system performance was acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

### **XV. Overall Assessment of Data**

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to labeled compound %R, data were qualified as estimated in one sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.



**Former Chase Field  
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1802055**

Sample	Compound	Flag	A or P	Reason
Shop Pasture-DW-072518	MeFOSAA	UJ (all non-detects)	P	Labeled compounds (%R)

**Former Chase Field  
Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1802055**

No Sample Data Qualified in this SDG

**Former Chase Field  
Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1802055**

No Sample Data Qualified in this SDG

LDC #: 42959A96

**VALIDATION COMPLETENESS WORKSHEET**

Date: 08/29/18

SDG #: 1802055

Stage 2B/4

Page: \_\_\_ of \_\_\_

Laboratory: Vista Analytical Laboratory

Reviewer: *SV*

2nd Reviewer: *[Signature]*

**METHOD:** LC/MS Perfluorinated Alkyl Acids (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	ICV $\leq 20\%$ (Individual True Value) $10\% \leq 30\%$
IV.	Continuing calibration	A	CV $\leq 30\%$
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB = 8, 10
VII.	Surrogate spikes	N	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	OPR
X.	Field duplicates	ND	D = 3/11
XI.	Labeled Compounds	SW	
XII.	Compound quantitation RL/LOQ/LODs	A	Not reviewed for Stage 2B validation
XIII.	Target compound identification	A	Not reviewed for Stage 2B validation
XIV.	System performance	A	Not reviewed for Stage 2B validation
XV.	Overall assessment of data	A	

Note: A = Acceptable      ND = No compounds detected      D = Duplicate      SB=Source blank  
 N = Not provided/applicable      R = Rinsate      TB = Trip blank      OTHER:  
 SW = See worksheet      FB = Field blank      EB = Equipment blank

\*\* Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	Clarks-DW-072518	1802055-01	Water	07/25/18
2	Shop Pasture-DW-072518	1802055-03	Water	07/25/18
3	Welder HQ-DW-072518	D 1802055-05	Water	07/25/18
4	Lupes House-DW-072518	1802055-07	Water	07/25/18
5	Charlies-DW-072518	1802055-09	Water	07/25/18
6	Hortendorf-DW-072518	1802055-11	Water	07/25/18
7	Charlies Pasture-DW-072518**	1802055-13**	Water	07/25/18
8	Charlies Pasture-FB-072518	1802055-14	Water	07/25/18
9	Shooting Range 1-DW-072518	1802055-15	Water	07/25/18
10	Shooting Range 1-FB-072518	1802055-16	Water	07/25/18
11	DUP-1	D 1802055-17	Water	07/25/18
12	Lupes House-DW-072518MS	1802055-07MS	Water	07/25/18
13	Lupes House-DW-072518MSD	1802055-07MSD	Water	07/25/18
14				

1. - 5860238-Blk 1  
 2. - 5860245-1

LDC #: 42959 A96

**VALIDATION FINDINGS CHECKLIST**

Page: 1 of 2  
 Reviewer: JVG  
 2nd Reviewer: [Signature]

**Method:** LCMS (EPA Method 537M )

Validation Area	Yes	No	NA	Findings/Comments
<b>I. Technical holding times</b>				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>II. LC/MS Instrument performance check</b>				
Were the instrument performance reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>IIIa. Initial calibration</b>				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) $\leq$ 20%?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of $\geq$ 0.990?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all analytes within 70-130% or percent differences (%D) $\leq$ 30% of their true value for each calibration standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>IIIb. Initial Calibration Verification</b>				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) $\leq$ 30%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>IV. Continuing calibration</b>				
Was a continuing calibration analyzed daily?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) of the continuing calibration $\leq$ 30%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>V. Laboratory Blanks</b>				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>VI. Field blanks</b>				
Were field blanks identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target compounds detected in the field blanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>VIII. Matrix spike/Matrix spike duplicates</b>				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a MS/MSD analyzed every 20 samples of each matrix?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>IX. Laboratory control samples</b>				
Was an LCS analyzed for this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

LDC #: 42159A96

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2  
 Reviewer: JYG  
 2nd Reviewer: [Signature]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
<b>X. Field duplicates</b>				
Were field duplicate pairs identified in this SDG?	/			
Were target compounds detected in the field duplicates?.		/		
<b>XI. Internal standards <i>labeled compounds</i></b>				
Were internal standard area counts within $\pm 50\%$ of the associated calibration standard?	/	/		
<b>XII. Compound quantitation</b>				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	/			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
<b>XIII. Target compound identification</b>				
Were relative retention times (RRT's) within $\pm 0.06$ RRT units of the standard?	/			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
<b>XIV. System performance</b>				
System performance was found to be acceptable.	/			
<b>XIII. Overall assessment of data</b>				
Overall assessment of data was found to be acceptable.	/			

## VALIDATION FINDINGS WORKSHEET

**METHOD:** Perfluorinated Alkyl Acids (EPA Method 537)

A. PFBA	375-22-4
B. PFPeA	2706-90-3
C. PFBS	375-73-5
D. PFHxA	307-24-4
E. PFHpA	375-85-9
F. PFHxS	355-46-4
G. PFOA	335-67-1
H. PFNA	375-95-1
I. PFOSA	754-91-6
J. PFOS	1763-23-1
K. PFDA	335-76-2
L. MeFOSAA	2355-31-9
M. EtFOSAA	2991-50-6
N. PFUnA	2058-94-8
O. PFDS	335-77-3
P. PFDoA	307-55-1
Q. PFTrDA	72629-94-8
R. PFTeDA	376-06-7

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LDC #: 42959 A96

**VALIDATION FINDINGS WORKSHEET**  
**Labeled Compound**

Page: 1 of 1  
Reviewer: JVG  
2nd Reviewer: [Signature]

**METHOD:** LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all labeled compounds within -50 to +150% of the associated calibration standard?

#	Date	Sample ID	Labeled Compound	%R	Limits (%)	Qualifications
		2 (ND)	13C3-L	151	50-150	J / NS / P (qual L)
		↓	13C8-I	46.4		↓ detg/p (qual I)
		4 (ND)	13C8-I	46.9		
		5 (ND)	13C8-I	39.6		
		7 (Det)	13C8-I	45.2		
		8 (ND)	13C8-PF-I	41.9		
		9 (ND)	13C8-I	45.8		
		10 (ND)	13C8-I	43.1		
		11 (ND)	13C8-I	23.8		

(13C3-PFBS) = 13C3-Perfluorobutanesulfonic acid  
(13C2-PFHxA) = 13C2-Perfluorohexanoic acid  
(13C4-PFHpA) = 13C4-Perfluoroheptanoic acid  
(18O2-PFHxS) = 18O2-Perfluorohexanesulfonic acid  
(13C2-PFOA) = 13C4-Perfluorooctane acid

(13C8-PFOS) = 13C8-Perfluorooctanesulfonic acid  
(13C5-PFNA) = 13C5-Perfluorononanoic acid  
(13C2-PFDA) = 13C2-Perfluorodecanoic acid  
(13C2-PFUnA) = 13C2-Perfluoroundecanoic acid  
(13C2-PFDoA) = 13C2-Perfluorododecanoic acid

(13C2-PFTeDA) = 13C4-Perfluorotetradecanoic acid  
(D3-MeFOSAA) = Methyl perfluorooctanesulfonamidoacetic acid  
(D5-EtFOSAA) = Ethyl perfluorooctanesulfonamidoacetic acid

**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Response ratio	(X) Conc. Ratio	(X <sup>2</sup> ) Conc. Ratio
8/18/2018	SCN945	PFOA	1	0.0251	0.02	0.00040
			2	0.0420	0.04	0.0016
		13C8-PFOA	3	0.0849	0.08	0.0064
			4	0.1680	0.16	0.0256
			5	0.3827	0.40	0.1600
			6	0.7852	0.80	0.6400
			7	3.8362	4.00	16.0000
			8	7.9179	8.00	64.0000
			9	20.7887	20.00	400.0000
			10	39.8725	40.00	1600.0000

Regression Output	Calculated		Reported WQR	
Constant	<i>c</i>	-0.07798	<i>c</i>	0.0337205
Std Err of Y Est				
R Squared		0.9998218		0.9994680
Degrees of Freedom				
	<i>m1</i>	<i>m2</i>	<i>m1</i>	<i>m2</i>
X Coefficient(s)	1.0446804	-0.0011523	1.0082300	-0.000008800
Std Err of Coef.				
Correlation Coefficient		0.999911		
Coefficient of Determination (r <sup>2</sup> )		0.999822		

**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Response ratio	(X) Conc. Ratio	(X <sup>2</sup> ) Conc. Ratio
8/18/2018	SCN945	PFOS	1	0.0172	0.02	0.00040
			2	0.0352	0.04	0.0016
		13C8-PFOS	3	0.0702	0.08	0.0064
			4	0.1436	0.16	0.0256
			5	0.3487	0.40	0.1600
			6	0.7087	0.80	0.6400
			7	3.6334	4.00	16.0000
			8	7.2679	8.00	64.0000
			9	20.8458	20.00	400.0000
			10	42.8555	40.00	1600.0000

Regression Output	Calculated		Reported WQR	
Constant	<i>c</i>	-0.09598	<i>c</i>	-0.0246865
Std Err of Y Est				
R Squared		0.9997056		0.9992470
Degrees of Freedom				
	<i>m1</i>	<i>m2</i>	<i>m1</i>	<i>m2</i>
X Coefficient(s)	0.9619884	0.0027945	0.9201470	0.000319688
Std Err of Coef.				
Correlation Coefficient		0.999853		
Coefficient of Determination (r <sup>2</sup> )		0.999706		



**VALIDATION FINDINGS WORKSHEET**  
**Continuing Calibration Calculation Verification**

METHOD: LC/MS PFAs (EPA Method 537Mod)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:  
 % Difference =  $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$       Cx = Concentration of compound,  
 ave. RRF = initial calibration average RRF      Ais = Area of associated internal standard  
 $\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$       RRF = continuing calibration RRF      Cis = Concentration of internal standard  
 Ax = Area of compound

#	Standard ID	Calibration Date	Compound (IS)	Conc	Reported	Recalculated	Reported % R	Recalculated % R
1	180818M25_13 ICV	8/18/2018	PFOA (13C2-PFOA)	10.00	9.2	9.17	91.7	91.7
			PFOS (13C8-PFOS)	10.00	8.4	8.36	8.4	83.6

LDC #: 42959 A96

**VALIDATION FINDINGS WORKSHEET**  
**Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1  
 Reviewer: JVG  
 2nd Reviewer: [Signature]

METHOD: LC/MS PFAS (EPA Method 537Mod)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery =  $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration  
 SA = Spike added

SC = Sample concentration

RPD =  $|MSC - MSC| * 2 / (MSC + MSDC)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 12/13

Compound	Spike Added (ug/L)		Sample Conc (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc	Reported	Recalc	Reported	Recalc
PFOA	0.04016	0.04065	0	0.03991	0.03560	98.6	99.6	86.7	87.7	12.8	11.47
PFOS	↓	↓	↓	0.03844	0.03696	95.3	95.7	90.4	90.8	5.28	4.01

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 42959 A96

**VALIDATION FINDINGS WORKSHEET**  
**Laboratory Control Sample/ Sample Duplicates Results Verification**

Page: 1 of 1  
 Reviewer: JVG  
 2nd Reviewer: [Signature]

METHOD: LC/MS PFCs (EPA Method 537Mod)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery =  $100 * (SC/SA)$

Where: SSC = Spike concentration  
 SA = Spike added

RPD =  $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: B 8 G 0 2 3 8 - B S I O P R

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	NA	37.89	NA	94.7	94.7				
PFOS	↓	↓	40.26	↓	100.6	100.6				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

**VALIDATION FINDINGS WORKSHEET**  
**Sample Calculation Verification**

**METHOD:** LC/MS PFAS (EPA Method 537M)

Y N N/A  
Y N N/A

Were all reported results recalculated and verified for all level IV samples?  
 Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

- A<sub>x</sub> = Area of the characteristic ion (EICP) for the compound to be measured
- A<sub>is</sub> = Area of the characteristic ion (EICP) for the specific internal standard
- I<sub>s</sub> = Amount of internal standard added in nanograms (ng)
- V<sub>o</sub> = Volume or weight of sample extract in milliliters (ml) or grams (g).
- V<sub>i</sub> = Volume of extract injected in microliters (ul)
- V<sub>t</sub> = Volume of the concentrated extract in microliters (ul)
- Df = Dilution Factor.
- %S = Percent solids, applicable to soil and solid matrices only.
- 2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 7, PFOS:

$$\text{Conc.} = \frac{[(13800)(12.5)]}{(4690)} = 0.00032X^2 + 0.92015X + (-0.002969)$$

$$X = 355.77765$$

$$\text{final conc.} = \frac{(355.77)(10)}{(0.24128)(1000)} = 1.474 \text{ ug/L}$$

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration ( )	Qualification
			1.47		

LDC #: 42959

**EDD POPULATION COMPLETENESS WORKSHEET**

Date: 8/31  
 Page: 1 of 1  
 2<sup>nd</sup> Reviewer: \_\_\_\_\_

The LDC job number listed above was entered by SE.  
 Entered from Body or Summary

	EDD Process		Comments/Action
I.	EDD Completeness	-	
Ia.	- All methods present?	Y	
Ib.	- All samples present/match report?	Y	
Ic.	- All reported analytes present?	Y	
Id.	- <u>10%</u> or 100% verification of EDD?	Y	
II.	EDD Preparation/Entry	-	
IIa.	- Carryover U/J?	+	
IIb.	- Reason Codes used? If so, note which codes.	Y	
IIc.	- Additional Information (QC Level, Validator, Validated Y/N, etc.)	Y	
III.	Reasonableness Checks	-	
IIIa.	- Do all qualified ND results have ND qualifier (e.g. UJ)?	Y	
IIIb.	- Do all qualified detect results have detect qualifier (e.g. J)?	-	
IIIc.	- If reason codes are used, do all qualified results have reason code field populated, and vice versa?	Y	
IIId.	- Does the detect flag require changing for blank qualifier? If so, are all U results marked ND?	+	
IIIe.	- Do blank concentrations in report match EDD where data was qualified due to blank contamination?	-	
IIIf.	- Were multiple results reported due to dilutions/reanalysis? If so, were results qualified appropriately?	+	
IIIg.	- Are there any discrepancies between the data packet and the EDD?	N	

Notes: \_\_\_\_\_ \*see discrepancy sheet  
 \_\_\_\_\_  
 \_\_\_\_\_

INSTALLATION_ID	SITE_NAME	LOCATION_NAME	LOCATION_TYPE	LOCATION_TYPE_DESC	COORD_X*	COORD_Y*	SAMPLE_NAME	SAMPLE_MATRIX	SAMPLE_MATRIX_DESC	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC	SDG
CHASE_FIELD_NAS	TBC	CHARLIES_PASTURE	DW	Domestic Well	-97.674956	28.358511	CHARLIES PASTURE-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	CHARLIES	DW	Domestic Well	-97.691754	28.367219	CHARLIES-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	CLARKS	DW	Domestic Well	-97.686229	28.377308	CLARKS-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	WELDER_HQ	DW	Domestic Well	-97.683954	28.353261	DUP-1_072518	WG	Ground water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	HORTZENDORF	DW	Domestic Well	-97.679019	28.376492	HORTZENDORF-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	LUPES_HOUSE	DW	Domestic Well	-97.695117	28.361030	LUPES HOUSE-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	SHOOTING_RANGE_1	DW	Domestic Well	-97.666696	28.357790	SHOOTING RANGE 1-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	SHOP_PASTURE	DW	Domestic Well	-97.669388	28.344045	SHOP PASTURE-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055
CHASE_FIELD_NAS	TBC	WELDER_HQ	DW	Domestic Well	-97.683954	28.353261	WELDER HQ-DW-072518	WP	Drinking Water	25-Jul-18	Perfluoroalkyl Compounds	1802055