



**Groundwater Sample Results,
Level 2 Laboratory Report, Level 4 Laboratory Report,
Electronic Data Deliverable, and Data Validation Report,
SDG 1701324**

*Marine Corps Base Camp Lejeune
North Carolina*

July 2019



October 31, 2017

Vista Work Order No. 1701324

Ms. Bianca Kleist Granger
CH2M Hill
14120 Ballantyne Corporate Place, Suite 200
Charlotte, NC 28277

Dear Ms. Granger,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 27, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'TLZ Phoenix PFAs'.

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.

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

Sincerely,

A handwritten signature in black ink that reads "Martha Maier". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

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. 1701324

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

Modified EPA Method 537

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

Holding Times

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

Quality Control

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

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

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

As requested, an MS/MSD was performed on sample "TLZP-GW04-17D". The MS/MSD recoveries and/or RPDs were out of the criteria for PFHxS.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1701324-01	TLZP-GW03-17D	Modified EPA Method 537	13C3-PFBS	H	171
1701324-02	TLZP-GW04-17D	Modified EPA Method 537	13C3-PFBS	H	166
1701324-04	TLZP-GW02D-17D	Modified EPA Method 537	13C3-PFBS	H	157
1701324-06	TLZP-GW07-17D	Modified EPA Method 537	13C3-PFBS	H	162
B7J0002-BLK1	B7J0002-BLK1	Modified EPA Method 537	13C2-PFTeDA	H	45.5
B7J0002-BS1	B7J0002-BS1	Modified EPA Method 537	13C3-PFBS	H	158
B7J0002-MS1	B7J0002-MS1	Modified EPA Method 537	13C3-PFBS	H	200
B7J0002-MSD1	B7J0002-MSD1	Modified EPA Method 537	13C3-PFBS	H	159

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701324-01	TLZP-GW03-17D	25-Sep-17 13:45	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-02	TLZP-GW04-17D	MS/MSD25-Sep-17 13:00	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-03	TLZP-GW02-17D	25-Sep-17 12:10	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-04	TLZP-GW02D-17D	25-Sep-17 12:15	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-05	TLZP-GW01-17D	25-Sep-17 11:25	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-06	TLZP-GW07-17D	25-Sep-17 12:46	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-07	TLZP-GW06-17D	25-Sep-17 13:50	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-08	TLZP-GW05-17D	25-Sep-17 15:17	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-09	TLZP-EB-092517	25-Sep-17 16:00	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-10	TLZP-FB-092517	25-Sep-17 16:10	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

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

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B7J0002-BLK1	Column:	BEH C18
Project:	TLZ Phoenix PFAs						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHxA	ND	2.18	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHpA	ND	0.591	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHxS	ND	0.947	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFOA	ND	0.651	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFOS	ND	0.807	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFNA	ND	0.810	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFDA	ND	1.49	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
MeFOSAA	ND	1.65	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFUnA	ND	1.05	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
EtFOSAA	ND	1.37	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFDoA	ND	0.792	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFTrDA	ND	0.494	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFTeDA	ND	0.755	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
Combined PFOA/PFOS	ND	0.807	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	149	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFHxA	IS	101	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C4-PFHpA	IS	84.2	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
18O2-PFHxS	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFOA	IS	94.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C8-PFOS	IS	92.4	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C5-PFNA	IS	75.2	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFDA	IS	72.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
d3-MeFOSAA	IS	64.6	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFUnA	IS	67.7	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
d5-EtFOSAA	IS	67.6	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFDoA	IS	55.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFTeDA	IS	45.5	50 - 150	H	B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: OPR

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B7J0002-BS1	Column:	BEH C18
Project:	TLZ Phoenix PFAs						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	69.0	80.0	86.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHxA	72.0	80.0	90.0	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHpA	71.9	80.0	89.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHxS	64.7	80.0	80.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFOA	67.4	80.0	84.3	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFOS	64.0	80.0	80.0	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFNA	60.2	80.0	75.3	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFDA	69.5	80.0	86.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
MeFOSAA	65.0	80.0	81.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFOA	68.6	80.0	85.7	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
EtFOSAA	67.0	80.0	83.8	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFDaA	73.5	80.0	91.8	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFTTrDA	67.1	80.0	83.9	60-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFTeDA	62.6	80.0	78.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	158	50- 150	H	B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFHxA	IS	102	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C4-PFHpA	IS	80.2	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
18O2-PFHxS	IS	96.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFOA	IS	91.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C8-PFOS	IS	90.6	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C5-PFNA	IS	86.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFDA	IS	72.7	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
d3-MeFOSAA	IS	67.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFOA	IS	61.5	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
d5-EtFOSAA	IS	65.8	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFDaA	IS	75.5	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFTeDA	IS	78.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1

Sample ID: TLZP-GW03-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-01	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:45	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHxA	ND	2.35	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHpA	ND	0.636	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHxS	ND	1.02	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFOA	ND	0.701	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFNA	ND	0.872	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFDA	ND	1.60	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
MeFOSAA	ND	1.78	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFUnA	ND	1.13	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
EtFOSAA	ND	1.47	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFDoA	ND	0.852	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFTTrDA	ND	0.532	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFTeDA	ND	0.813	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
Combined PFOA/PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	171	50 - 150	H	B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFHxA	IS	101	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C4-PFHpA	IS	75.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
18O2-PFHxS	IS	110	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFOA	IS	93.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C8-PFOS	IS	104	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C5-PFNA	IS	89.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFDA	IS	78.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
d3-MeFOSAA	IS	65.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFUnA	IS	69.6	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
d5-EtFOSAA	IS	61.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFDoA	IS	71.2	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFTeDA	IS	86.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW04-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-02	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:00	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.95	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFHxA	ND	2.37	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFHpA	ND	0.143	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFHxS	ND	1.03	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PF6 A	ND	0.708	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PF6 S	ND	0.878	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFNA	ND	0.881	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFDA	ND	1.12	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
MeF6 SAA	ND	1.79	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFUnA	ND	1.14	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
EtF6 SAA	ND	1.49	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFDoA	ND	0.812	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFTTrDA	ND	0.537	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
PFTeDA	ND	0.821	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
Combined PF6 A/PF6 S	ND	0.878	5.43	8.70		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150	H	B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PFHxA	IS	90.2	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C4-PFHpA	IS	83.9	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
186 2-PFHxS	IS	93.2	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PF6 A	IS	93.9	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C8-PF6 S	IS	93.2	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C5-PFNA	IS	88.9	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PFDA	IS	84.0	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
d3-MeF6 SAA	IS	79.7	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PFUnA	IS	99.7	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
d5-EtF6 SAA	IS	85.4	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PFDoA	IS	102	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1
13C2-PFTeDA	IS	108	50 - 150		B70002	03-6 ct-17	0.115 L	04-6 ct-17 03:00	1

DL - Detection Limit

L6 D - Limit of Detection
L6 Q - Limit of quantitation

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

When reported, PFHxS, PF6 A and PF6 S include both linear and branched isomers.
6 nly the linear isomer is reported for all other analytes.

Sample ID: TLZP-GW04-17D

Modified EPA Method 537

Name:	CH2M Hill	Lab Sample:	B7J0002-MS1/B7J0002-MSD1	Source Lab Sample:	1701324-02
Project:	TLZ Phoenix PFAs	QC Batch:	B7J0002	Date Extracted:	03-Oct-17
Matrix:	Aqueous	Samp Size:	0.114/0.120 L	Column:	BEH C18

Analyte	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBS	ND	71.4	87.9	81.2		68.5	83.2	82.3	1.35		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHxA	ND	74.8	87.9	85.0		74.7	83.2	89.8	5.49		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHpA	ND	85.0	87.9	96.6		78.6	83.2	94.5	2.20		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHxS	ND	71.6	87.9	81.5		52.1	83.2	62.6	26.2	H	70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFOA	ND	78.4	87.9	89.2		78.2	83.2	94.0	5.24		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFOS	ND	72.8	87.9	82.5		64.4	83.2	76.9	7.03		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFNA	ND	70.8	87.9	80.5		77.4	83.2	93.0	14.4		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFDA	ND	78.9	87.9	89.8		78.2	83.2	94.0	4.57		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
MeFOSAA	ND	80.6	87.9	91.7		74.3	83.2	89.3	2.65		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFUnA	ND	70.6	87.9	80.3		67.0	83.2	80.5	0.249		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
EtFOSAA	ND	75.9	87.9	86.4		66.4	83.2	79.8	7.94		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFDaA	ND	74.6	87.9	84.8		69.8	83.2	83.9	1.07		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFTTrDA	ND	73.6	87.9	83.7		70.5	83.2	84.8	1.31		60-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFTeDA	ND	71.6	87.9	81.5		64.8	83.2	77.9	4.52		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	200	H	159	H	50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFHxA	IS	110		98.8		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C4-PFHpA	IS	84.6		75.3		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
18O2-PFHxS	IS	85.7		108		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFOA	IS	96.4		109		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C8-PFOS	IS	96.3		95.3		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C5-PFNA	IS	84.0		86.2		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFDA	IS	88.0		75.5		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
d3-MeFOSAA	IS	69.3		64.5		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFUnA	IS	83.6		75.9		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
d5-EtFOSAA	IS	75.8		71.6		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFDaA	IS	89.8		83.4		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFTeDA	IS	93.4		86.0		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1

Sample ID: TLZP-GW02-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-03	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 12:10	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	2.78	2.10	5.84	9.38	6	B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxA	ND	2.5J	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHpA	ND	0.193	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxS	ND	1.11	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOA	ND	0.7J3	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOS	ND	0.94J	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFNA	ND	0.950	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDA	ND	1.75	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
MeFOSAA	ND	1.93	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFUnA	ND	1.23	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
EtFOSAA	ND	1.11	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDoA	ND	0.929	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTTrDA	ND	0.579	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTeDA	ND	0.885	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
Combined PFOA/PFOS	ND	0.94J	5.84	9.38		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	140	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFHxA	IS	91.J	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C4-PFHpA	IS	78.1	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
18O2-PFHxS	IS	8J.J	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFOA	IS	85.3	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C8-PFOS	IS	97.4	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C5-PFNA	IS	77.5	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDA	IS	73.5	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d3-MeFOSAA	IS	J7.5	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFUnA	IS	7J.1	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d5-EtFOSAA	IS	JJ.7	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDoA	IS	J5.0	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFTeDA	IS	78.9	50 - 150		B760002	03-Oct-17	0.107 L	04-Oct-17 03:32	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW02D-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-04	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 12:15	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.00	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFHxA	ND	2.44	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFHpA	ND	0.JJ1	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFHxS	ND	1.0J	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PF6 A	ND	0.728	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PF6 S	ND	0.903	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFNA	ND	0.90J	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFDA	ND	1.J7	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
MeF6 SAA	ND	1.85	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFUnA	ND	1.17	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
EtF6 SAA	ND	1.53	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFDoA	ND	0.88J	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFTrDA	ND	0.553	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
PFTeDA	ND	0.844	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
Combined PF6 A/PF6 S	ND	0.903	5.58	8.95		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	157	50 - 150	H	B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PFHxA	IS	103	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C4-PFHpA	IS	81.1	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
186 2-PFHxS	IS	98.9	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PF6 A	IS	9J.5	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C8-PF6 S	IS	98.2	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C5-PFNA	IS	8J.8	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PFDA	IS	70.3	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
d3-MeF6 SAA	IS	J8.2	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PFUnA	IS	8J.7	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
d5-EtF6 SAA	IS	75.0	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PFDoA	IS	7J.2	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1
13C2-PFTeDA	IS	99.5	50 - 150		B70002	03-6 ct-17	0.112 L	04-6 ct-17 04:15	1

DL - Detection Limit

L6 D - Limit of Detection
L6 Q - Limit of quantitation

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

When reported, PFHxS, PF6 A and PF6 S include both linear and branched isomers.
6 nly the linear isomer is reported for all other analytes.

Sample ID: TLZP-GW03-31D

y bMdeMf PE y etAbMh51

Client Data				Lab Sample Data			
Name:	Cu 2M u ill	Matrix:	A5BeoB	Lab Sample:	1701324-0H	ColBnn:	E8u C1q
Project:	TLZ Phoenix PFAs	Date Collected:	2H-Sep-17 11:2H	Date Received:	27-Sep-17 09:02		

Enalrte	Cbnc. (ng/L)	DL	LOD	LOQ	Qualideos	BatcA	f xtoacteM	Samp Size	EnalrzeM	Dilutibn
PFES	37.9	1.9H	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFu xA	ND	2.37	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFu pA	2.00	0.043	H43	q.71	J	E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFu xS	104	1.03	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PF6 A	ND	0.709	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PF6 S	3.20	0.q7q	H43	q.71	J	E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFNA	ND	0.qq2	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFDA	ND	1.02	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
MeF6 SAA	ND	1.q0	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFUnA	ND	1.14	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
8tF6 SAA	ND	1.49	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFD0A	ND	0.q02	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFTTrDA	ND	0.HBq	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
PFTeDA	ND	0.q22	H43	q.71		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
Combined PF6 A/PF6 S	3.20	0.q7q	H43	q.71	J	E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1

La7eleMStanMoM	Trpe	% Recbveor	Limits	Qualideos	BatcA	f xtoacteM	Samp Size	EnalrzeM	Dilutibn
13C3-PFES	IS	1H0	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PFu xA	IS	9Q2	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C4-PFu pA	IS	q2.2	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
1q6 2-PFu xS	IS	9H3	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PF6 A	IS	q03	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13Cq-PF6 S	IS	100	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13CHPFNA	IS	q2.9	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PFDA	IS	79.4	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
d3-MeF6 SAA	IS	00.7	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PFUnA	IS	qH2	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
dH8tF6 SAA	IS	04.7	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PFD0A	IS	74.0	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1
13C2-PFTeDA	IS	9H4	HD - 1HD		E7J0002	03-6 ct-17	0.11HL	04-6 ct-17 04:20	1

DL - Detection Limit

L6 D - Limit of Detection
L6 Q - Limit of 5Bantitation

LCL-UCL- Lower control limit - Upper control limit
ResBts reported to the DL.

When reported, PFu xS, PF6 A and PF6 S inclBle both linear and branched isomers.
6 nly the linear isomer is reported for all other analytes.

Sample ID: TLZP-GW03-13D

y bMdeMf PE y etAbMh53

Client Data				La7boatbor Data			
Name:	Cu 2M u ill	Matrix:	A5BeoBs	Lab Sample:	1701324-0H	ColBmn:	E8u C1q
Project:	TLZ Phoenix PFAs	Date Collected:	2R-Sep-17 12:4H	Date v ecei9ed:	27-Sep-17 0. :02		

Enalrte	Cbnc. (ng/L)	DL	LOD	LOQ	Qualideos	BatcA	f xtoacteM	Samp Size	EnalrzeM	Dilutibn
PFES	ND	1q.	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFu xA	ND	260	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFu pA	ND	062R	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFu xS	ND	100	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFOA	ND	064q	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFOS	ND	064R3	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFNA	ND	064RH	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFDA	ND	16q	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
MeFOSAA	ND	164	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFUnA	ND	161	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
8tFOSAA	ND	164R	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFD0A	ND	0637	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFTTrDA	ND	0622	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
PFTeDA	ND	06. q	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
Combined PFOA/PFOS	ND	064R3	R60	q6H		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1

La7eleMStanMoM	Trpe	% Recbveor	Limits	Qualideos	BatcA	f xtoacteM	Samp Size	EnalrzeM	Dilutibn
13C3-PFES	IS	1H2	R0 - 1R0	u	E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFu xA	IS	. q6	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C4-PFu pA	IS	qH	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
1qO2-PFu xS	IS	. 26	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFOA	IS	. 06	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13Cq-PFOS	IS	. H6	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13CR-PFNA	IS	7q6	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFDA	IS	HqR	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
d3-MeFOSAA	IS	Hq	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFUnA	IS	HR6	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
dR-8tFOSAA	IS	Hq6	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFD0A	IS	q36	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1
13C2-PFTeDA	IS	q76	R0 - 1R0		E7J0002	03-Oct-17	06l1q L	04-Oct-17 04:3H	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of 5Bantitation

LCL-UCL- Lower control limit - Upper control limit
vesBts reported to the DL6

When reported, PFu xS, PFOA and PFOS inclBde both linear and branched isomers6
Only the linear isomer is reported for all other analytes6

Sample ID: TLZP-GW06-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-07	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:50	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.98	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFHxA	ND	2.41	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFHpA	ND	0.153	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFHxS	ND	1.05	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PF6 A	ND	0.719	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PF6 S	1.07	0.891	5.53	8.84	O	B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFNA	ND	0.895	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFDA	ND	1.15	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
MeF6 SAA	ND	1.82	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFUnA	ND	1.11	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
EtF6 SAA	ND	1.51	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFDoA	ND	0.875	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFTTrDA	ND	0.54J	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
PFTeDA	ND	0.834	5.53	8.84		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
Combined PF6 A/PF6 S	1.07	0.891	5.53	8.84	O	B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	149	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PFHxA	IS	93.3	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C4-PFHpA	IS	81.1	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
186 2-PFHxS	IS	109	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PF6 A	IS	92.5	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C8-PF6 S	IS	97.4	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C5-PFNA	IS	83.5	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PFDA	IS	118.1	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
d3-MeF6 SAA	IS	51.3	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PFUnA	IS	70.1	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
d5-EtF6 SAA	IS	122	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PFDoA	IS	119.4	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1
13C2-PFTeDA	IS	80.2	50 - 150		B70002	03-6 ct-17	0.113 L	04-6 ct-17 04:47	1

DL - Detection Limit

L6 D - Limit of Detection
L6 Q - Limit of quantitation

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

When reported, PFHxS, PF6 A and PF6 S include both linear and branched isomers.
6 nly the linear isomer is reported for all other analytes.

Sample ID: TLZP-GW03-17D

Modified EPA Method 357

Client Data				Laboratory Data			
Name:	Cu 2M u ill	Matrix:	AqBeoBs	Lab Sample:	1701324-0H	ColBnn:	E8u C1H
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 15:17	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFES	76.6	1.95	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFu xA	329	2.37	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFu pA	H2.0	0.643	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFu xS	95.1	1.03	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFOA	2.25	0.70H	5.43	H70	J	E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFOS	ND	0.H7H	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFNA	ND	0.HH1	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFDA	ND	1.62	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
MeFOSAA	ND	1.79	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFUnA	ND	1.14	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
8tFOSAA	ND	1.49	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFDoA	ND	0.H61	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFTrDA	ND	0.537	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
PFTeDA	ND	0.H21	5.43	H70		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
Combined PFOA/PFOS	2.25	0.H7H	5.43	H70	J	E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFES	IS	142	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFu xA	IS	99.5	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C4-PFu pA	IS	H3.6	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
1H02-PFu xS	IS	100	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFOA	IS	90.7	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13CHPFOS	IS	104	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C5-PFNA	IS	HH2	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFDA	IS	H0.5	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
d3-MeFOSAA	IS	69.2	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFUnA	IS	H3.7	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
d5-8tFOSAA	IS	69.H	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFDoA	IS	77.H	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1
13C2-PFTeDA	IS	H7.7	50 - 150		E7J0002	03-Oct-17	0.115 L	04-Oct-17 04:5H	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of Quantitation

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

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

Sample ID: TLZP-EB-092517

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	Cu 2M u ill	Matrix:	A5BeoB	Lab Sample:	1701324-0H	ColBnn:	E8u C1q
Project:	TLZ Phoenix PFAs	Date Collected:	2R-Sep-17 1v:00	Date 9 ecei. ed:	27-Sep-17 0H02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFES	ND	142	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFu xA	ND	264	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFu pA	ND	063R	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFu xS	ND	102	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFOA	ND	0600	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFOS	ND	06v7	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFNA	ND	0671	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFDA	ND	160	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
MeFOSAA	ND	167	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFUnA	ND	163	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
8tFOSAA	ND	167	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFDoA	ND	06R1	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFTTrDA	ND	0631	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
PFTeDA	ND	0611	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
Combined PFOA/PFOS	ND	06v7	R6H	q60		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFES	IS	1R0	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFu xA	IS	103	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C4-PFu pA	IS	q26	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
1qO2-PFu xS	IS	107	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFOA	IS	qH6	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13Cq-PFOS	IS	H16H	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13CR-PFNA	IS	q16R	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFDA	IS	vq6R	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
d3-MeFOSAA	IS	v464	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFUnA	IS	7167	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
dR-8tFOSAA	IS	vq67	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFDoA	IS	q067	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1
13C2-PFTeDA	IS	H60	R0 - 1R0		E7J0002	03-Oct-17	061v L	04-Oct-17 0R:0H	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of 5Antitation

LCL-UCL- Lower control limit - Upper control limit
9 esBts reported to the DL6

When reported, PFu xS, PFOA and PFOS inclBle both linear and branched isomers6
Only the linear isomer is reported for all other analytes6

Sample ID: TLZP-FB-092517

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-10	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 1R10	Date received:	27-Sep-17 0. :02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	16 0	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFHxA	ND	262	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFHpA	ND	0628	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFHxS	ND	101	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFOA	ND	062	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFOS	ND	0657	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFNA	ND	06R1	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFDA	ND	168	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
MeFOSAA	ND	165	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFUnA	ND	162	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
EtFOSAA	ND	16R	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFDoA	ND	0642	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFTTrDA	ND	0625	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
PFTeDA	ND	0602	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
Combined PFOA/PFOS	ND	0657	560	860		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	147	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFHxA	IS	112	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C4-PFHpA	IS	856	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
18O2-PFHxS	IS	. 36	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFOA	IS	104	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C8-PFOS	IS	. 46	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C5-PFNA	IS	856	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFDA	IS	716	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
d3-MeFOSAA	IS	7. 6	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFUnA	IS	756	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
d5-EtFOSAA	IS	806	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFDoA	IS	. 36	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1
13C2-PFTeDA	IS	756	50 - 150		B7J0002	03-Oct-17	0618 L	04-Oct-17 05:20	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
v results reported to the DL6

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers6
Only the linear isomer is reported for all other analytes6



October 31, 2017

Vista Work Order No. 1701324

Ms. Bianca Kleist Granger
CH2M Hill
14120 Ballantyne Corporate Place, Suite 200
Charlotte, NC 28277

Dear Ms. Granger,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 27, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'TLZ Phoenix PFAs'.

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.

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. 1701324

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

Modified EPA Method 537

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

Holding Times

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

Quality Control

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

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

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

As requested, an MS/MSD was performed on sample "TLZP-GW04-17D". The MS/MSD recoveries and/or RPDs were out of the criteria for PFHxS.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1701324-01	TLZP-GW03-17D	Modified EPA Method 537	13C3-PFBS	H	171
1701324-02	TLZP-GW04-17D	Modified EPA Method 537	13C3-PFBS	H	166
1701324-04	TLZP-GW02D-17D	Modified EPA Method 537	13C3-PFBS	H	157
1701324-06	TLZP-GW07-17D	Modified EPA Method 537	13C3-PFBS	H	162
B7J0002-BLK1	B7J0002-BLK1	Modified EPA Method 537	13C2-PFTeDA	H	45.5
B7J0002-BS1	B7J0002-BS1	Modified EPA Method 537	13C3-PFBS	H	158
B7J0002-MS1	B7J0002-MS1	Modified EPA Method 537	13C3-PFBS	H	200
B7J0002-MSD1	B7J0002-MSD1	Modified EPA Method 537	13C3-PFBS	H	159

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701324-01	TLZP-GW03-17D	25-Sep-17 13:45	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-02	TLZP-GW04-17D	MS/MSD25-Sep-17 13:00	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-03	TLZP-GW02-17D	25-Sep-17 12:10	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-04	TLZP-GW02D-17D	25-Sep-17 12:15	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-05	TLZP-GW01-17D	25-Sep-17 11:25	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-06	TLZP-GW07-17D	25-Sep-17 12:46	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-07	TLZP-GW06-17D	25-Sep-17 13:50	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-08	TLZP-GW05-17D	25-Sep-17 15:17	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-09	TLZP-EB-092517	25-Sep-17 16:00	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701324-10	TLZP-FB-092517	25-Sep-17 16:10	27-Sep-17 09:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

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

Client Data				Laboratory Data						
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B7J0002-BLK1	Column:	BEH C18			
Project:	TLZ Phoenix PFAs									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHxA	ND	2.18	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHpA	ND	0.591	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFHxS	ND	0.947	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFOA	ND	0.651	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFOS	ND	0.807	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFNA	ND	0.810	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFDA	ND	1.49	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
MeFOSAA	ND	1.65	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFUnA	ND	1.05	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
EtFOSAA	ND	1.37	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFDoA	ND	0.792	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFTTrDA	ND	0.494	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
PFTeDA	ND	0.755	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
Combined PFOA/PFOS	ND	0.807	5.00	8.00		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	149	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFHxA	IS	101	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C4-PFHpA	IS	84.2	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
18O2-PFHxS	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFOA	IS	94.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C8-PFOS	IS	92.4	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C5-PFNA	IS	75.2	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFDA	IS	72.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
d3-MeFOSAA	IS	64.6	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFUnA	IS	67.7	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
d5-EtFOSAA	IS	67.6	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFDoA	IS	55.1	50 - 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1
13C2-PFTeDA	IS	45.5	50 - 150	H	B7J0002	03-Oct-17	0.125 L	04-Oct-17 02:17	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit

Results reported to the DL.

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

Sample ID: OPR

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B7J0002-BS1	Column:	BEH C18
Project:	TLZ Phoenix PFAs						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	69.0	80.0	86.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHxA	72.0	80.0	90.0	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHpA	71.9	80.0	89.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFHxS	64.7	80.0	80.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFOA	67.4	80.0	84.3	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFOS	64.0	80.0	80.0	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFNA	60.2	80.0	75.3	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFDA	69.5	80.0	86.9	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
MeFOSAA	65.0	80.0	81.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFUnA	68.6	80.0	85.7	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
EtFOSAA	67.0	80.0	83.8	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFDoA	73.5	80.0	91.8	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFTTrDA	67.1	80.0	83.9	60-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
PFTeDA	62.6	80.0	78.2	70-130		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	158	50- 150	H	B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFHxA	IS	102	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C4-PFHpA	IS	80.2	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
18O2-PFHxS	IS	96.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFOA	IS	91.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C8-PFOS	IS	90.6	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C5-PFNA	IS	86.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFDA	IS	72.7	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
d3-MeFOSAA	IS	67.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFUnA	IS	61.5	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
d5-EtFOSAA	IS	65.8	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFDoA	IS	75.5	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1
13C2-PFTeDA	IS	78.3	50- 150		B7J0002	03-Oct-17	0.125 L	04-Oct-17 01:34	1

Sample ID: TLZP-GW03-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-01	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:45	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHxA	ND	2.35	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHpA	ND	0.636	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFHxS	ND	1.02	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFOA	ND	0.701	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFNA	ND	0.872	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFDA	ND	1.60	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
MeFOSAA	ND	1.78	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFUnA	ND	1.13	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
EtFOSAA	ND	1.47	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFDoA	ND	0.852	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFTTrDA	ND	0.532	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
PFTeDA	ND	0.813	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
Combined PFOA/PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	171	50 - 150	H	B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFHxA	IS	101	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C4-PFHpA	IS	75.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
18O2-PFHxS	IS	110	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFOA	IS	93.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C8-PFOS	IS	104	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C5-PFNA	IS	89.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFDA	IS	78.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
d3-MeFOSAA	IS	65.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFUnA	IS	69.6	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
d5-EtFOSAA	IS	61.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFDoA	IS	71.2	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1
13C2-PFTeDA	IS	86.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW04-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-02	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:00	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.95	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHxA	ND	2.37	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHpA	ND	0.643	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHxS	ND	1.03	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFOA	ND	0.708	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFNA	ND	0.881	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFDA	ND	1.62	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
MeFOSAA	ND	1.79	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFUnA	ND	1.14	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
EtFOSAA	ND	1.49	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFDoA	ND	0.862	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFTTrDA	ND	0.537	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFTeDA	ND	0.821	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
Combined PFOA/PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	166	50 - 150	H	B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFHxA	IS	90.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C4-PFHpA	IS	83.9	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
18O2-PFHxS	IS	93.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFOA	IS	93.9	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C8-PFOS	IS	93.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C5-PFNA	IS	88.9	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFDA	IS	84.0	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
d3-MeFOSAA	IS	79.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFUnA	IS	99.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
d5-EtFOSAA	IS	85.4	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFDoA	IS	102	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFTeDA	IS	108	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW04-17D

Modified EPA Method 537

Name:	CH2M Hill	Lab Sample:	B7J0002-MS1/B7J0002-MSD1	Source Lab Sample:	1701324-02
Project:	TLZ Phoenix PFAs	QC Batch:	B7J0002	Date Extracted:	03-Oct-17
Matrix:	Aqueous	Samp Size:	0.114/0.120 L	Column:	BEH C18

Analyte	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBS	ND	71.4	87.9	81.2		68.5	83.2	82.3	1.35		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHxA	ND	74.8	87.9	85.0		74.7	83.2	89.8	5.49		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHpA	ND	85.0	87.9	96.6		78.6	83.2	94.5	2.20		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFHxS	ND	71.6	87.9	81.5		52.1	83.2	62.6	26.2	H	70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFOA	ND	78.4	87.9	89.2		78.2	83.2	94.0	5.24		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFOS	ND	72.8	87.9	82.5		64.4	83.2	76.9	7.03		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFNA	ND	70.8	87.9	80.5		77.4	83.2	93.0	14.4		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFDA	ND	78.9	87.9	89.8		78.2	83.2	94.0	4.57		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
MeFOSAA	ND	80.6	87.9	91.7		74.3	83.2	89.3	2.65		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFUnA	ND	70.6	87.9	80.3		67.0	83.2	80.5	0.249		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
EtFOSAA	ND	75.9	87.9	86.4		66.4	83.2	79.8	7.94		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFDaA	ND	74.6	87.9	84.8		69.8	83.2	83.9	1.07		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFTTrDA	ND	73.6	87.9	83.7		70.5	83.2	84.8	1.31		60-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1
PFTeDA	ND	71.6	87.9	81.5		64.8	83.2	77.9	4.52		70-130	25	04-Oct-17 03:11	1	04-Oct-17 03:22	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	200	H	159	H	50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFHxA	IS	110		98.8		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C4-PFHpA	IS	84.6		75.3		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
18O2-PFHxS	IS	85.7		108		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFOA	IS	96.4		109		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C8-PFOS	IS	96.3		95.3		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C5-PFNA	IS	84.0		86.2		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFDA	IS	88.0		75.5		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
d3-MeFOSAA	IS	69.3		64.5		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFUnA	IS	83.6		75.9		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
d5-EtFOSAA	IS	75.8		71.6		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFDaA	IS	89.8		83.4		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1
13C2-PFTeDA	IS	93.4		86.0		50-150	04-Oct-17 03:11	1	04-Oct-17 03:22	1

Sample ID: TLZP-GW02-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-03	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 12:10	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	2.78	2.10	5.84	9.38	J	B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxA	ND	2.56	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHpA	ND	0.693	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxS	ND	1.11	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOA	ND	0.763	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOS	ND	0.946	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFNA	ND	0.950	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDA	ND	1.75	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
MeFOSAA	ND	1.93	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFUnA	ND	1.23	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
EtFOSAA	ND	1.61	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDoA	ND	0.929	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTTrDA	ND	0.579	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTeDA	ND	0.885	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
Combined PFOA/PFOS	ND	0.946	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	140	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFHxA	IS	91.6	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C4-PFHpA	IS	78.1	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
18O2-PFHxS	IS	86.6	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFOA	IS	85.3	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C8-PFOS	IS	97.4	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C5-PFNA	IS	77.5	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDA	IS	73.5	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d3-MeFOSAA	IS	67.5	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFUnA	IS	76.1	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d5-EtFOSAA	IS	66.7	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDoA	IS	65.0	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFTeDA	IS	78.9	50 - 150		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW02D-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-04	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 12:15	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.00	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHxA	ND	2.44	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHpA	ND	0.661	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHxS	ND	1.06	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFOA	ND	0.728	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFOS	ND	0.903	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFNA	ND	0.906	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFDA	ND	1.67	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
MeFOSAA	ND	1.85	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFUnA	ND	1.17	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
EtFOSAA	ND	1.53	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFDoA	ND	0.886	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFTTrDA	ND	0.553	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFTeDA	ND	0.844	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
Combined PFOA/PFOS	ND	0.903	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	157	50 - 150	H	B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFHxA	IS	103	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C4-PFHpA	IS	81.1	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
18O2-PFHxS	IS	98.9	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFOA	IS	96.5	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C8-PFOS	IS	98.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C5-PFNA	IS	86.8	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFDA	IS	70.3	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
d3-MeFOSAA	IS	68.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFUnA	IS	86.7	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
d5-EtFOSAA	IS	75.0	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFDoA	IS	76.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
13C2-PFTeDA	IS	99.5	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW01-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-05	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 11:25	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	37.9	1.95	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFHxA	ND	2.37	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFHpA	2.06	0.643	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFHxS	104	1.03	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFOA	ND	0.709	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFOS	3.20	0.878	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFNA	ND	0.882	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFDA	ND	1.62	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
MeFOSAA	ND	1.80	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFUnA	ND	1.14	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
EtFOSAA	ND	1.49	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFDoA	ND	0.862	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFTTrDA	ND	0.538	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
PFTeDA	ND	0.822	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
Combined PFOA/PFOS	3.20	0.878	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	150	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFHxA	IS	96.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C4-PFHpA	IS	82.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
18O2-PFHxS	IS	95.3	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFOA	IS	86.3	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C8-PFOS	IS	106	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C5-PFNA	IS	82.9	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFDA	IS	79.4	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
d3-MeFOSAA	IS	60.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFUnA	IS	85.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
d5-EtFOSAA	IS	64.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFDoA	IS	74.0	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1
13C2-PFTeDA	IS	95.4	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW07-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-06	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 12:46	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFHxA	ND	2.30	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFHpA	ND	0.625	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFHxS	ND	1.00	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFOA	ND	0.688	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFOS	ND	0.853	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFNA	ND	0.856	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFDA	ND	1.58	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
MeFOSAA	ND	1.74	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFUnA	ND	1.11	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
EtFOSAA	ND	1.45	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFDoA	ND	0.837	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFTTrDA	ND	0.522	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
PFTeDA	ND	0.798	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
Combined PFOA/PFOS	ND	0.853	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	162	50 - 150	H	B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFHxA	IS	98.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C4-PFHpA	IS	86.9	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
18O2-PFHxS	IS	92.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFOA	IS	90.0	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C8-PFOS	IS	96.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C5-PFNA	IS	78.2	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFDA	IS	68.5	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
d3-MeFOSAA	IS	66.8	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFUnA	IS	65.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
d5-EtFOSAA	IS	68.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFDoA	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1
13C2-PFTeDA	IS	87.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW06-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-07	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:50	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.98	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFHxA	ND	2.41	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFHpA	ND	0.653	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFHxS	ND	1.05	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFOA	ND	0.719	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFOS	1.07	0.891	5.53	8.84	J	B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFNA	ND	0.895	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFDA	ND	1.65	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
MeFOSAA	ND	1.82	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFOA	ND	1.16	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
EtFOSAA	ND	1.51	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFDaA	ND	0.875	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFTDA	ND	0.546	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
PFTeDA	ND	0.834	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
Combined PFOA/PFOS	1.07	0.891	5.53	8.84	J	B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	149	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFHxA	IS	93.3	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C4-PFHpA	IS	86.1	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
18O2-PFHxS	IS	109	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFOA	IS	92.5	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C8-PFOS	IS	97.4	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C5-PFNA	IS	83.5	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFDA	IS	68.6	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
d3-MeFOSAA	IS	56.3	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFOA	IS	70.1	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
d5-EtFOSAA	IS	62.2	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFDaA	IS	69.4	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1
13C2-PFTeDA	IS	80.2	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-GW05-17D

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-08	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 15:17	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	76.6	1.95	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHxA	329	2.37	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHpA	82.0	0.643	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHxS	95.1	1.03	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFOA	2.25	0.708	5.43	8.70	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFNA	ND	0.881	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFDA	ND	1.62	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
MeFOSAA	ND	1.79	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFUnA	ND	1.14	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
EtFOSAA	ND	1.49	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFDoA	ND	0.861	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFTTrDA	ND	0.537	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFTeDA	ND	0.821	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
Combined PFOA/PFOS	2.25	0.878	5.43	8.70	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	142	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFHxA	IS	99.5	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C4-PFHpA	IS	83.6	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
18O2-PFHxS	IS	100	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFOA	IS	90.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C8-PFOS	IS	104	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C5-PFNA	IS	88.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFDA	IS	80.5	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
d3-MeFOSAA	IS	69.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFUnA	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
d5-EtFOSAA	IS	69.8	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFDoA	IS	77.8	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFTeDA	IS	87.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-EB-092517

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-09	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 16:00	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.92	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHxA	ND	2.34	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHpA	ND	0.635	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHxS	ND	1.02	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFOA	ND	0.700	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFOS	ND	0.867	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFNA	ND	0.871	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFDA	ND	1.60	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
MeFOSAA	ND	1.77	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFUnA	ND	1.13	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
EtFOSAA	ND	1.47	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFDoA	ND	0.851	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFTTrDA	ND	0.531	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFTeDA	ND	0.811	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
Combined PFOA/PFOS	ND	0.867	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	150	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFHxA	IS	103	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C4-PFHpA	IS	82.2	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
18O2-PFHxS	IS	107	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFOA	IS	89.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C8-PFOS	IS	91.9	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C5-PFNA	IS	81.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFDA	IS	68.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
d3-MeFOSAA	IS	64.4	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFUnA	IS	71.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
d5-EtFOSAA	IS	68.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFDoA	IS	80.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
13C2-PFTeDA	IS	95.0	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: TLZP-FB-092517

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-10	Column:	BEH C18
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 16:10	Date Received:	27-Sep-17 09:02		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHxA	ND	2.32	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHpA	ND	0.628	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHxS	ND	1.01	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFOA	ND	0.692	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFOS	ND	0.857	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFNA	ND	0.861	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFDA	ND	1.58	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
MeFOSAA	ND	1.75	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFUnA	ND	1.12	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
EtFOSAA	ND	1.46	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFDoA	ND	0.842	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFTTrDA	ND	0.525	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFTeDA	ND	0.802	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
Combined PFOA/PFOS	ND	0.857	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	147	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFHxA	IS	112	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C4-PFHpA	IS	85.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
18O2-PFHxS	IS	93.9	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFOA	IS	104	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C8-PFOS	IS	94.6	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C5-PFNA	IS	85.6	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFDA	IS	71.7	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
d3-MeFOSAA	IS	79.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFUnA	IS	75.3	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
d5-EtFOSAA	IS	80.5	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFDoA	IS	93.8	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
13C2-PFTeDA	IS	75.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

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

LOQ - Limit of quantitation

Results reported to the DL.

Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
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	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
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.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

SHIP TO: 621 Mainstream Drive, Suite 270 + Nashville, TN 37228 + 877-345-1113 + (fax) 866-417-0548

1701324 ³⁰⁸⁹⁶ 0.9c

Send Results to: Name <u>Biana Granger</u> Company <u>CH2M</u> Address <u>1420 Edlantyne Cor</u> City <u>Place Suite 200 Charlotte</u> State, Zip <u>NC 28277</u> Phone <u>704-543-3294</u> Fax _____ E-mail <u>biana.granger@chem.com</u>	Send Invoice to: Name <u>same</u> Company _____ Address _____ City _____ State, Zip _____ Phone _____ Fax _____ E-mail _____	Analysis Requirements:	Lab Use Only: VOA Headspace Y N NA Field Filtered Y N NA Correct Containers Y N NA Discrepancies Y N NA Cust. Seals Intact Y N NA Containers Intact Y N NA Airbill #: _____ CAR #: _____
Project No./Name: <u>TLZ Phoenix PFA's</u>	Sampler's (Signature): <u>Matt</u>		

select PFLs (EPA 357 Modified)

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix																	Comments	No. of Bottles	Lab Use Only Containers/Pres.
	9-25-17 1345	TLZP-GW03-17D	AQ	X																	2	
	9-25-17 1300	TLZP-GW04-17D-SD	AQ	X																	2	
	9-25-17 1300	TLZP-GW04-17D-MS	AQ	X																	2	
	9-25-17 1300	TLZP-GW04-17D	AQ	X																	2	
	9-25-17 1210	TLZP-GW02-17D	AQ	X																	2	
	9-25-17 1215	TLZP-GW02D-17D	AQ	X																	2	Duplicate
	9-25-17 1135	TLZP-GW01-17D	AQ	X																	2	
	9-25-17 1246	TLZP-GW07-17D	AQ	X																	2	
	9-25-17 1350	TLZP-GW06-17D	AQ	X																	2	GW06-17D
	9-25-17 1517	TLZP-GW05-17D	AQ	X																	2	Equip Blank
	9-25-17 1600	TLZP-EB-092517	AQ	X																	2	Field Reagent
	9-25-17 1610	TLZP-FB-092517	AQ	X																	2	Blank

Sample Kit Prep'd by: (Signature) <u>Matt</u>	Date/Time 9-25-17	Received By: (Signature) <u>[Signature]</u>	REMARKS:	Details:	
Relinquished by: (Signature) <u>Matt</u>	Date/Time 9-25-17	Received By: (Signature) <u>W. Spando</u> 09/27/17 0905		Page <u>1</u> of <u>1</u>	
Relinquished by: (Signature)	Date/Time	Received By: (Signature)		Cooler No. <u>1</u> of <u>1</u>	
Received for Laboratory by: (Signature)	Date/Time	Temperature		Date Shipped <u>9/25/17</u>	
				Shipped By <u>Matt</u>	
				Turnaround <u>Per Son</u>	

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

Sample Log-in Checklist

Vista Work Order #: 1701324 TAT Std

Samples Arrival:	Date/Time 09/27/17 0902	Initials: WWS	Location: WR-2
Logged In:	Date/Time 09/28/17 1043	Initials: WWS	Location: WR-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
Temp °C:	0.8 (uncorrected)	Time: 0904	Thermometer ID: IR-1
Temp °C:	0.9 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

	YES	NO	NA
Adequate Sample Volume Received?	<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	Trk # 7878 5587 0111	<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"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Preservation Documented:	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input checked="" type="checkbox"/> None
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain

Comments:

EXTRACTION INFORMATION

Process Sheet
Workorder: 1701324

Prep Expiration: 2017-Oct-09
 Client: CH2M Hill

Workorder Due: 25-Oct-17 00:00

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

TAT: 28
 Prep Batch: B7J0002

Version: 537 (14) + PFOA&PFOS (15 Analytes)
 DoD: **DoD QSM 5.1**

Prep Data Entered: 10.4.17 HC
 Date and Initials

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701324-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW03-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-02	ABC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW04-17D	MS/MSD	WR-2 E-2	HDPE Bottle, 125 mL
1701324-03	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW02-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW02D-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-05		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW01-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-06		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW07-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-07		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW06-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-08		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-GW05-17D		WR-2 E-2	HDPE Bottle, 125 mL
1701324-09		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-EB-092517		WR-2 E-2	HDPE Bottle, 125 mL
1701324-10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TLZP-FB-092517		WR-2 E-2	HDPE Bottle, 125 mL

**WO Comments: MS/MSD per batch.
 Combined PFOA/PFOS-run curve.**

Pre-Prep Check Out: HB 10/2/17 Prep Check Out: HC 10-3-17 Prep Reconciled Inits/Date: HB 10/2/17
 Pre-Prep Check In: NA Prep Check In: NA Spike Reconciled Inits/Date: HC 10-3-17
HC 10-2-17 VialBoxID: Money

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

Method: 537M PFAS Static RL

B7J0002

Chemist: HC
 Prep Date/Time: 02-Oct-17 08:17
03
HC

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>HC 10/2/17</u>				BalanceID: <u>HRV1-1</u>						
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE	
<input type="checkbox"/>	B7J0002-BLK1	5	2	0	2	NA	NA	(0.125)	HC KC 10-3-17	HC 10-3-17	HC KC 10-3-17	
<input type="checkbox"/>	B7J0002-BS1	5	2	0	2	↓	↓	↓				
<input type="checkbox"/>	B7J0002-MS1 1701324-02	4	2	0	2	140.83	27.01	0.11382 ✓	↓	↓	↓	
<input type="checkbox"/>	B7J0002-MSD1 1701324-02	4	2	0	2	147.07	26.91	0.12016 ✓				
<input type="checkbox"/>	1701324-01	4	2	0	2	143.10	26.96	0.11614 ✓				
<input type="checkbox"/>	1701324-02	4	2	0	2	142.10	27.19	0.11491 ✓				
<input type="checkbox"/>	1701324-03	4	2	0	2	137.46	27.34	0.10662 ✓				
<input type="checkbox"/>	1701324-04	4	2	0	2	139.51	27.05	0.11176 ✓				
<input type="checkbox"/>	1701324-05	4	2	0	2	141.82	26.97	0.11485 ✓				
<input type="checkbox"/>	1701324-06	4	2	0	2	145.20	26.97	0.11823 ✓				
<input type="checkbox"/>	1701324-07	4	2	0	2	140.13	26.95	0.11318 ✓				
<input type="checkbox"/>	1701324-08	4	2	0	2	141.86	26.93	0.11493 ✓				
<input type="checkbox"/>	1701324-09	4	2	0	2	143.30	26.99	0.11631 ✓				
<input type="checkbox"/>	1701324-10	4	2	0	2	144.67	27.03	0.11764 ✓				
<input type="checkbox"/>	1701332-01	4	2	0	2	149 142.50 not clear	26.92	0.11558 ✓				
<input type="checkbox"/>	1701332-02	4	2	0	2	146.62	27.21	0.11941 ✓				

IS: 17H1501, 10µl (V2)
 IS SUP: NA
 NS: 17G2428, 10µl (V2)
 RS: 17H1718, 10µl (V4)
 SPE Chem: Strata X AW 33µm 200µm
 Ele SOLV: 0.5% NH₄OH in MeOH/MeOH
 Final Volume(s) µL

Notes:

Comments: Assume 1 g = 1 mL
 Cen = Centrifuged
 Work Order 1701324

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

Method: 537M PFAS Static RL

B7J0002

Chemist: HC

Prep Date/Time: 12-Oct-17 08:17

03
HC

Prepared using: LCMS - SPE Extraction-LCMS

Cen	VISTA Sample ID	Date/Initials: <u>HB 10/17/17</u>			BalanceID: <u>HRM-9</u>			Sample Amt. (L)	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)				
<input type="checkbox"/>	1701346-01	4	2	0	2	145.51	26.90	0.11861	HC KC 10-3-17	HC 10-3-17	HC KC 10-3-17
<input type="checkbox"/>	1701346-02	4	2	0	2	146.88	27.00	0.11988	↓	↓	↓

IS: <u>17H1501, 10µL (V2)</u> <u>NA</u>	SPE Chem: <u>Strata X-AW 33µm 200Å</u> <u>Isol</u>	Notes:
IS SUP: <u>NA</u>	Ele SOLV: <u>0.5% v/vyOH in MeOH/mcwt</u>	
NS: <u>17G2428, 10µL (V2)</u>	Final Volume(s) <u>1 mL</u>	
RS: <u>17H1718, 10µL (V1)</u>		

Comments: Assume 1 g = 1 mL
Cen = Centrifuged
Work Order 1701324

Batch: B7J0002

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701324-01	0.11614 ✓	NA	NA	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-02	0.11491 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-02	0.11491 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS Static RL
1701324-03	0.10662 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-04	0.11176 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-05	0.11485 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-06	0.11823 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-07	0.11318 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-08	0.11493 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-09	0.11631 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701324-10	0.11764 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS DOD (LOQ as
1701332-01	0.11558 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS Static RL
1701332-02	0.11941 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			Aqueous	537M PFAS Static RL
1701346-01	0.11861 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			QC Water	537M PFAS DOD (LOQ as
1701346-02	0.11988 ✓	↓	↓	1000	03-Oct-17 08:17	HAC			QC Water	537M PFAS DOD (LOQ as
B7J0002-BLK1	0.125	↓	↓	1000	03-Oct-17 08:17	HAC				QC
B7J0002-BS1	0.125	↓	↓	1000	03-Oct-17 08:17	HAC	17G2428 -	10		QC
B7J0002-MS1	0.11382 ✓	↓	↓	1000	03-Oct-17 08:17	HAC	17G2428 -	10		QC
B7J0002-MSD1	0.12016 ✓	↓	↓	1000	03-Oct-17 08:17	HAC	17G2428 -	10		QC

HC
10-4-17

SAMPLE DATA – MODIFIED EPA METHOD 537

Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:55:13 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		7.70e3	0.1250		3.25				
2	4 PFHxA	313.2 > 268.9		1.13e4	0.1250		3.46				
3	5 PFHpA	363.1 > 319.1		4.81e4	0.1250		3.72				
4	6 L-PFHxS	399.0 > 80.0		2.77e3	0.1250		3.79				
5	9 L-PFOA	413 > 368.7		3.64e4	0.1250		3.93				
6	12 PFNA	463.1 > 419.1		2.72e4	0.1250		4.13				
7	14 L-PFOS	499 > 79.9		7.10e3	0.1250		4.19				
8	16 PFDA	513 > 468.8		2.09e4	0.1250		4.32				
9	18 N-MeFOSAA	570.1 > 419		4.14e3	0.1250		4.32				
10	19 N-EtFOSAA	584.2 > 419		4.54e3	0.1250		4.42				
11	20 PFUnA	562.9 > 518.9		2.16e4	0.1250		4.52				
12	22 PFDoA	613.0 > 569.1		1.77e4	0.1250		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

Printed: Wednesday, October 11, 2017 17:31:37 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTrDA	662.9 > 618.9		1.77e4	0.1250		4.93				
2	25 PFTeDA	712.9 > 668.8		1.12e4	0.1250		5.15				
3	33 13C3-PFBS	302.1 > 79.9	7.70e3	4.09e4	0.1250	0.051	3.25	2.89	0.941	149	148.5
4	34 13C2-PFHxA	315 > 269.8	1.13e4	4.09e4	0.1250	0.275	3.46	3.15	1.38	40.2	100.5
5	35 13C4-PFHpA	367 > 322.1	4.81e4	4.09e4	0.1250	0.558	3.72	3.44	5.87	84.2	84.2
6	36 18O2-PFHxS	403 > 103.0	2.77e3	6.75e3	0.1250	0.490	3.79	3.52	5.13	83.7	83.7
7	38 13C2-PFOA	414.9 > 369.7	3.64e4	3.36e4	0.1250	1.152	3.93	3.66	13.5	94.1	94.1
8	39 13C5-PFNA	468.1 > 423.1	2.72e4	4.21e4	0.1250	0.857	4.13	3.86	8.06	75.2	75.2
9	41 13C8-PFOS	507 > 79.9	7.10e3	7.76e3	0.1250	0.990	4.19	3.92	11.4	92.4	92.4
10	42 13C2-PFDA	515.1 > 469.9	2.09e4	3.29e4	0.1250	0.882	4.32	4.05	7.95	72.1	72.1

Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:55:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	44 d3-N-MeFOSAA	573.3 > 419	4.14e3	3.38e4	0.1250	0.015	4.35	4.09	1.53	840.129	64.6
2	45 d5-N-EtFOSAA	589.3 > 419	4.54e3	3.38e4	0.1250	0.015	4.42	4.16	1.68	878.154	67.6
3	46 13C2-PFUnA	565 > 519.8	2.16e4	3.38e4	0.1250	0.943	4.52	4.24	7.98	67.708	67.7
4	47 13C2-PFDoA	615.1 > 570.1	1.77e4	3.38e4	0.1250	0.951	4.72	4.42	6.55	55.112	55.1
5	49 13C2-PFTeDA	714.8 > 669.6	1.12e4	3.38e4	0.1250	0.728	5.15	4.84	4.14	45.485	45.5
6	55 13C5-PFHxA	318 > 272.9	4.09e4	4.09e4	0.1250	1.000	3.46	3.15	5.00	40.000	100.0
7	56 13C3-PFHxS	402.1 > 80.0	6.75e3	6.75e3	0.1250	1.000	3.79	3.52	12.5	100.000	100.0
8	57 13C8-PFOA	421.3 > 376	3.36e4	3.36e4	0.1250	1.000	3.93	3.66	12.5	100.000	100.0
9	58 13C9-PFNA	472.1 > 427.1	4.21e4	4.21e4	0.1250	1.000	4.13	3.86	12.5	100.000	100.0
10	59 13C4-PFOS	503 > 79.9	7.76e3	7.76e3	0.1250	1.000	4.19	3.93	12.5	100.000	100.0
11	60 13C6-PFDA	519.1 > 473.7	3.29e4	3.29e4	0.1250	1.000	4.32	4.05	12.5	100.000	100.0
12	61 13C7-PFUnA	570.1 > 524.8	3.38e4	3.38e4	0.1250	1.000	4.52	4.24	12.5	100.000	100.0
13	62 Total PFHxS	399.0 > 80.0	0.00e0	2.77e3	0.1250		3.79		0.000		
14	63 Total PFOA	413 > 368.7	0.00e0	3.64e4	0.1250		3.93		0.000		
15	64 Total PFOS	499 > 79.9	0.00e0	7.10e3	0.1250		4.19		0.000		
16	65 Total N-MeFOSAA	570.1 > 419	0.00e0	4.14e3	0.1250		4.35		0.000		
17	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.54e3	0.1250		4.42		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:55:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7			36396.648		MM-I	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

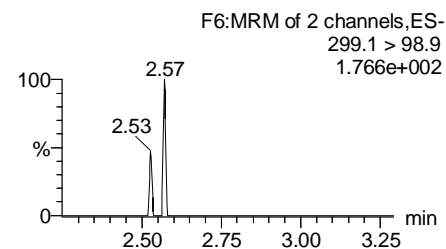
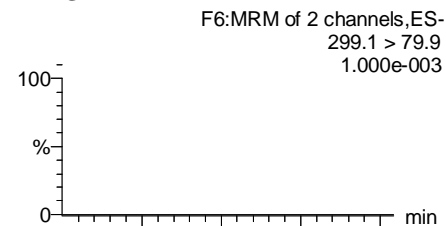
Printed: Monday, October 09, 2017 14:55:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

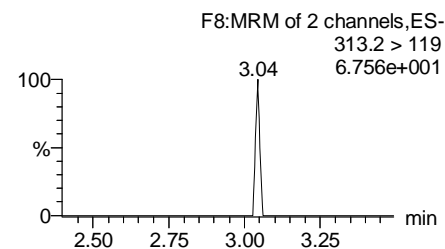
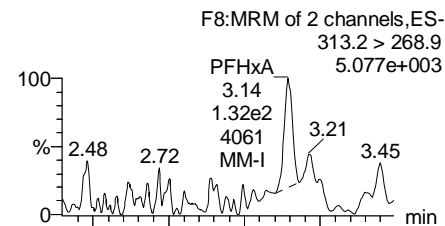
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

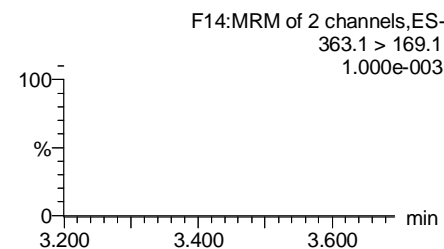
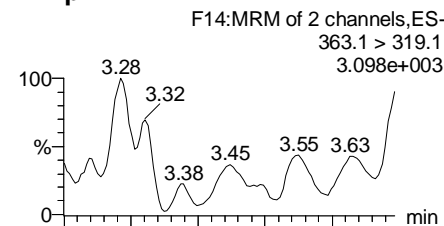
PFBS



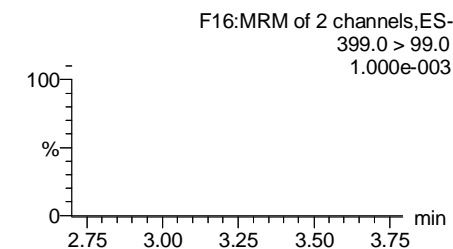
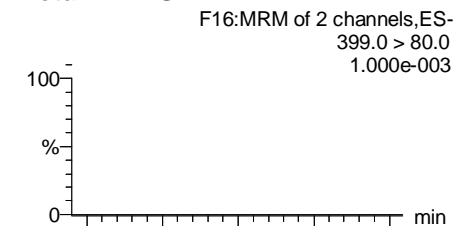
PFHxA



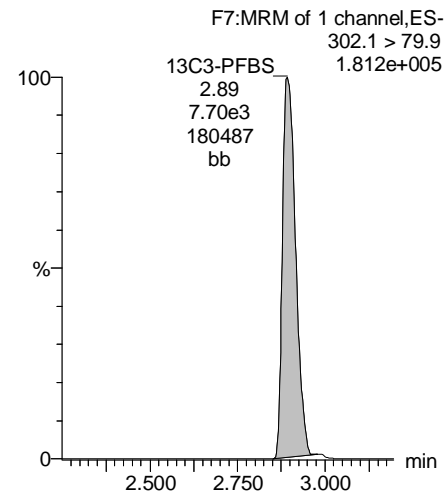
PFHpA



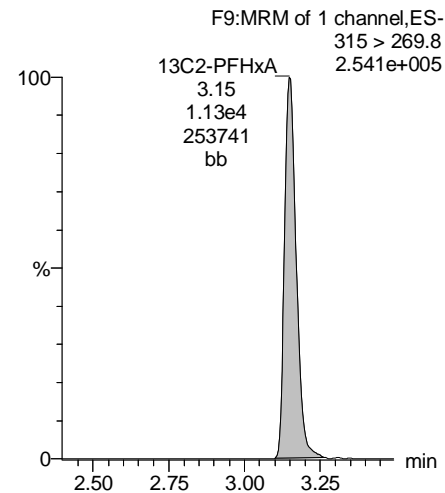
Total PFHxS



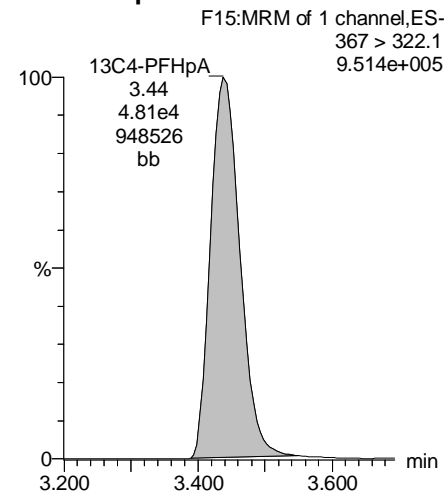
13C3-PFBS



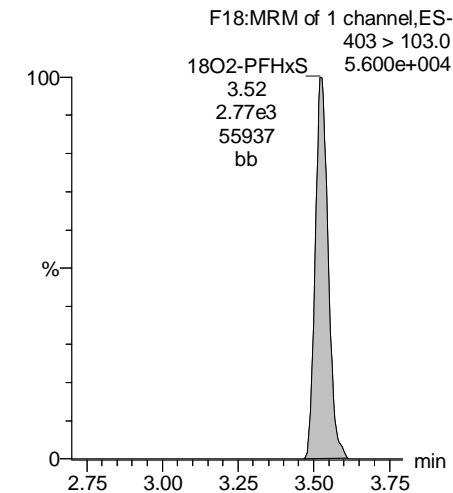
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

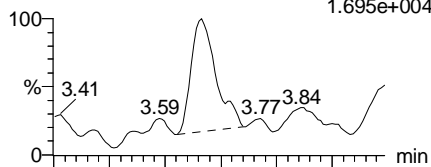
Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:55:44 Pacific Daylight Time

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

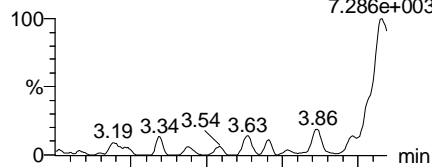
Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.695e+004



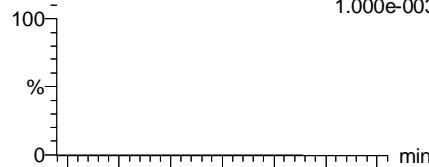
PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
7.286e+003



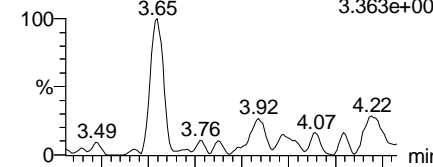
Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
1.000e-003

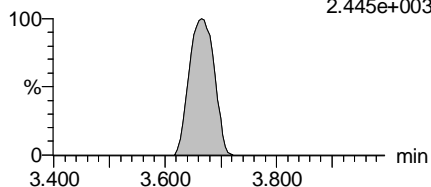


PFDA

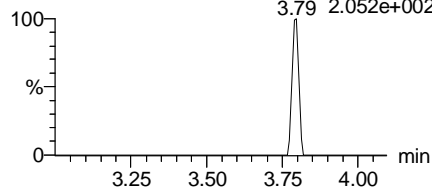
F35:MRM of 2 channels,ES-
513 > 468.8
3.363e+003



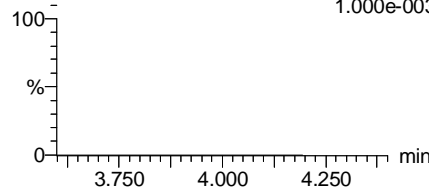
F19:MRM of 2 channels,ES-
413 > 169
2.445e+003



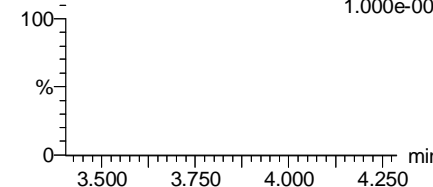
F25:MRM of 2 channels,ES-
463.1 > 219.1
2.052e+002



F30:MRM of 2 channels,ES-
499 > 99
1.000e-003

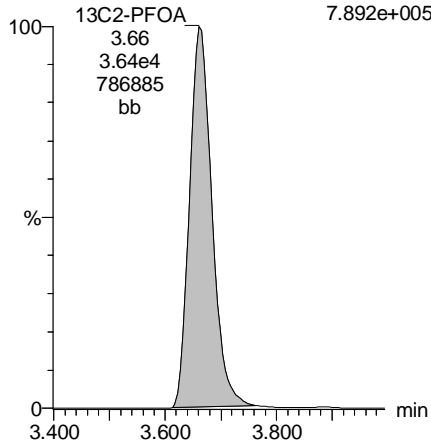


F35:MRM of 2 channels,ES-
513 > 219
1.000e-003



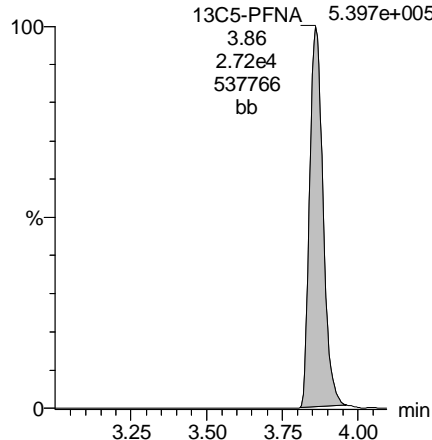
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
7.892e+005



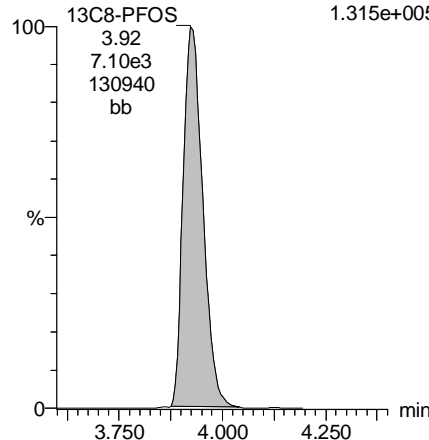
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
5.397e+005



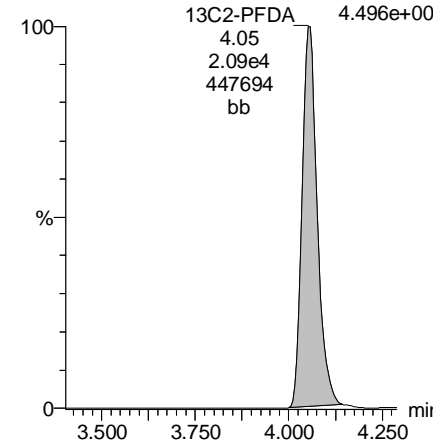
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.315e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
4.496e+005



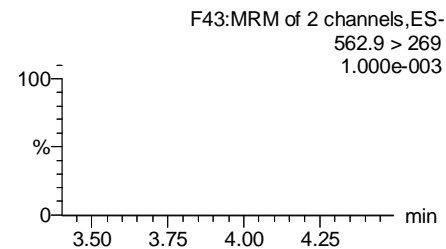
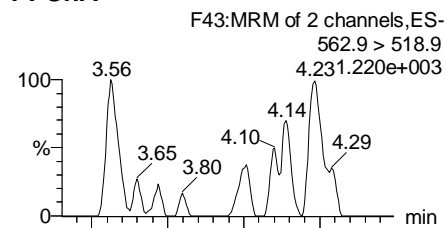
Dataset: U:\Q4.PRO\results\171003M2\171003M2-52.qld

Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

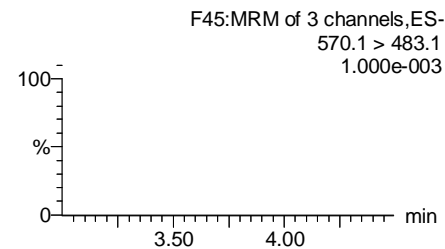
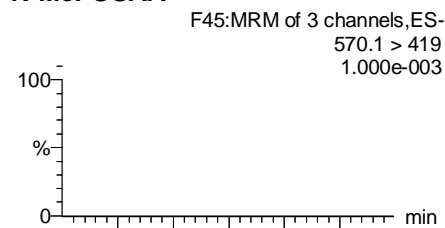
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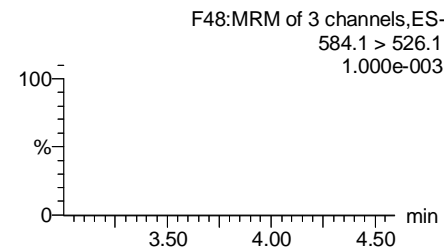
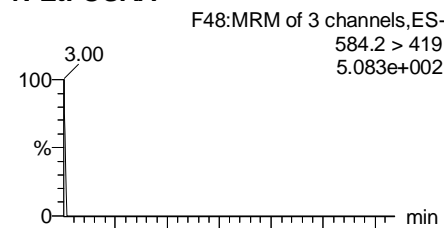
PFUnA



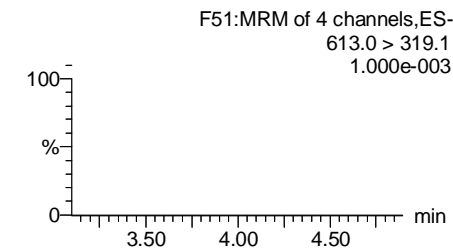
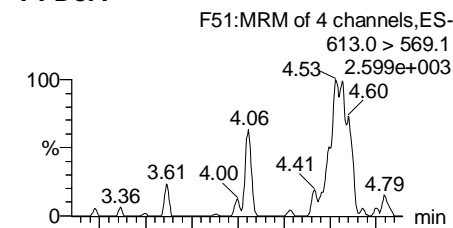
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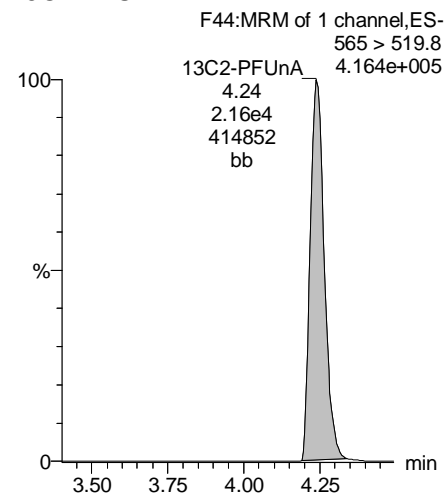
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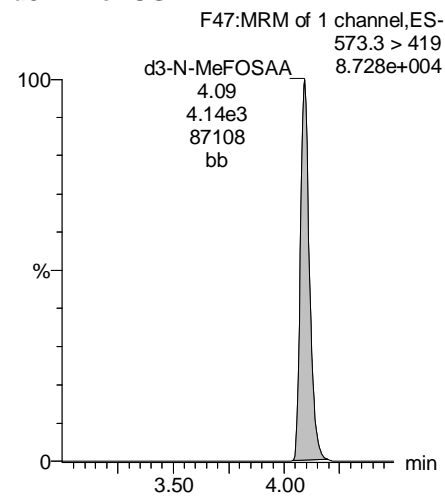
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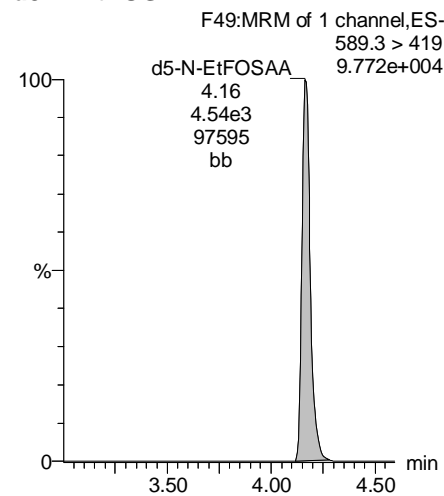
13C2-PFUnA



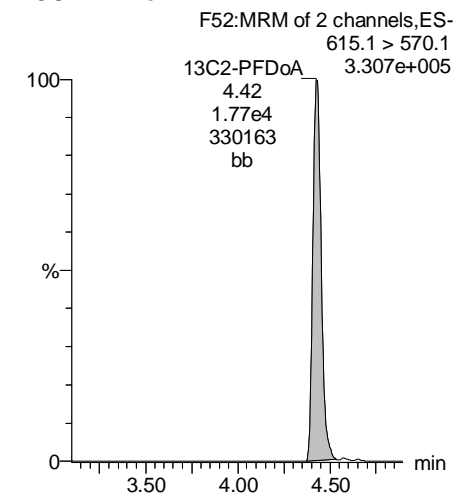
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d5-N-EtFOSAA



13C2-PFDoA



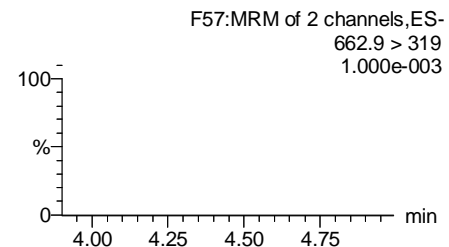
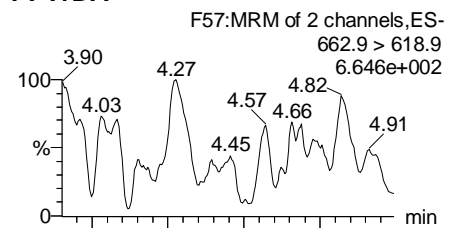
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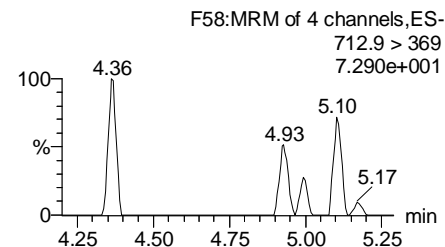
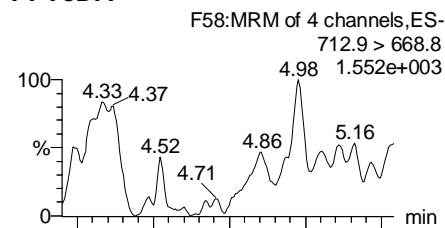
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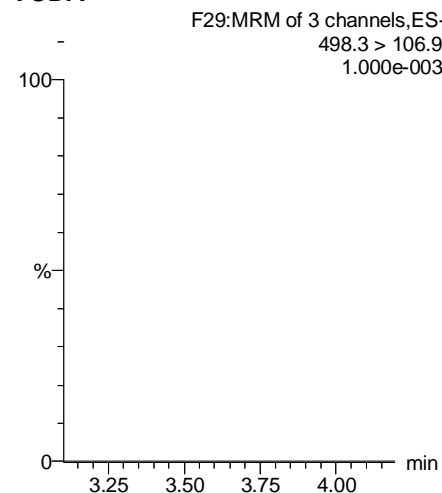
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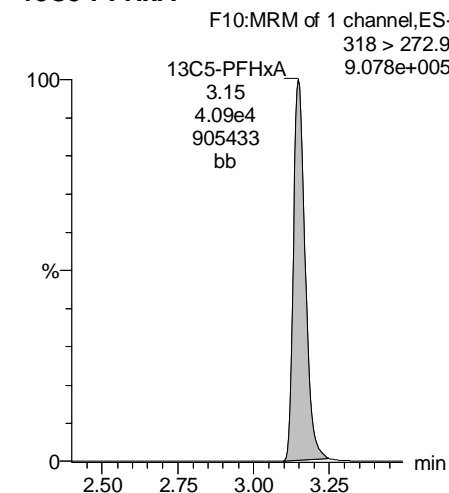
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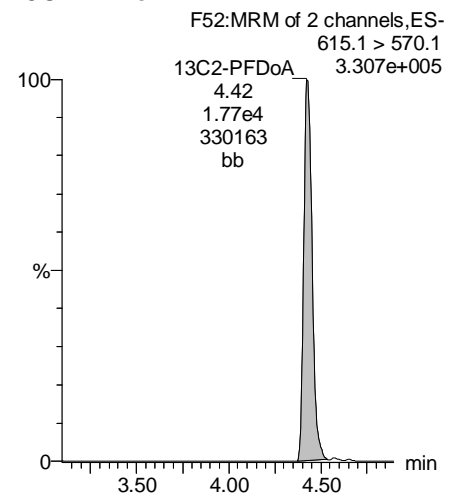
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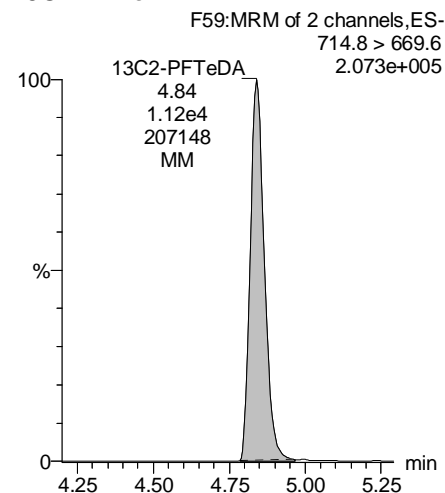
13C5-PFHxA



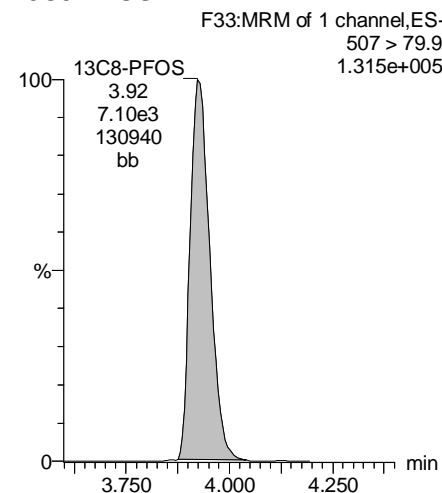
13C2-PFDoA



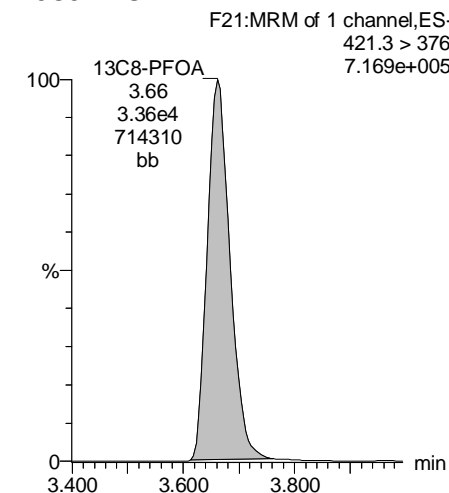
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



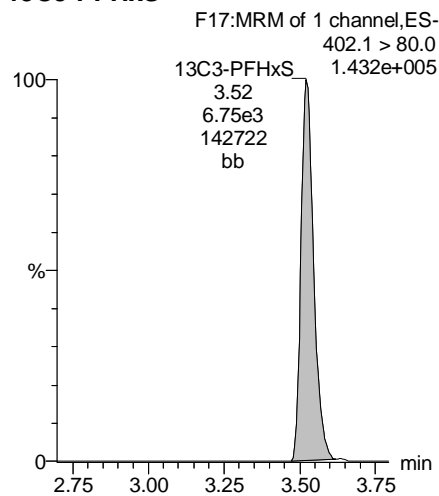
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Last Altered: Monday, October 09, 2017 14:54:48 Pacific Daylight Time

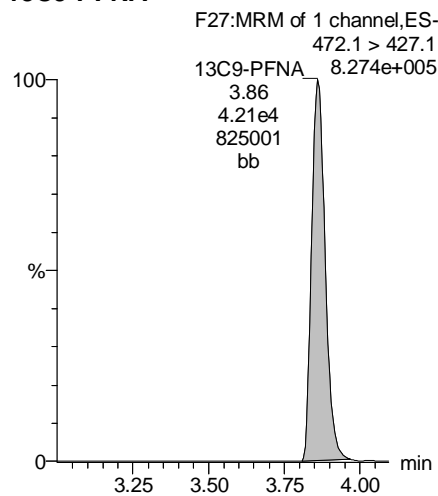
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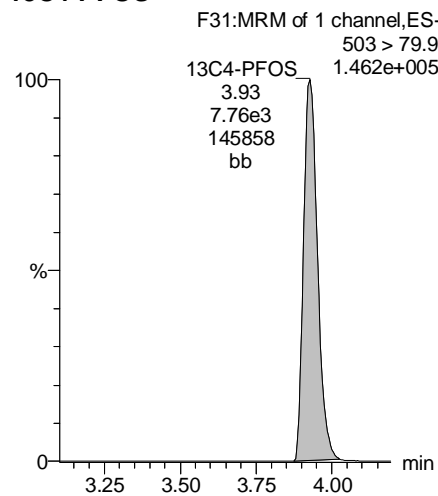
13C3-PFHxS



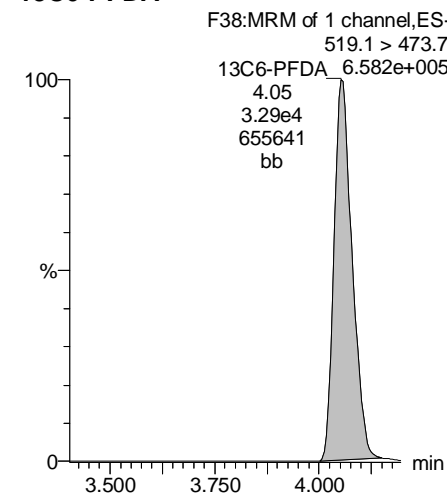
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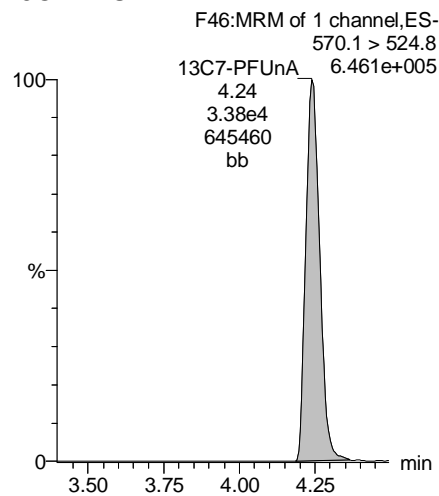
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:46:28 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	6.24e3	8.66e3	0.1250		3.25	2.89	9.01	68.976	86.2
2	4 PFHxA	313.2 > 268.9	3.42e4	1.22e4	0.1250		3.46	3.15	14.1	72.014	90.0
3	5 PFHpA	363.1 > 319.1	3.48e4	4.85e4	0.1250		3.72	3.44	8.95	71.933	89.9
4	6 L-PFHxS	399.0 > 80.0	5.74e3	3.73e3	0.1250		3.79	3.52	19.2	64.739	80.9
5	9 L-PFOA	413 > 368.7	2.58e4	3.69e4	0.1250		3.93	3.66	8.73	67.414	84.3
6	12 PFNA	463.1 > 419.1	2.28e4	3.42e4	0.1250		4.13	3.86	8.32	60.210	75.3
7	14 L-PFOS	499 > 79.9	5.83e3	7.29e3	0.1250		4.19	3.92	10.0	64.027	80.0
8	16 PFDA	513 > 468.8	2.36e4	2.41e4	0.1250		4.32	4.05	12.3	69.509	86.9
9	18 N-MeFOSAA	570.1 > 419	5.62e3	5.66e3	0.1250		4.32	4.09	161	64.976	81.2
10	19 N-EtFOSAA	584.2 > 419	4.66e3	5.81e3	0.1250		4.42	4.16	130	67.049	83.8
11	20 PFUnA	562.9 > 518.9	1.79e4	2.58e4	0.1250		4.52	4.24	8.68	68.583	85.7
12	22 PFDoA	613.0 > 569.1	2.59e4	3.19e4	0.1250		4.72	4.42	10.2	73.475	91.8

Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Wednesday, October 11, 2017 17:29:49 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTrDA	662.9 > 618.9	2.95e4	3.19e4	0.1250		4.93	4.62	11.6	67.1	83.9
2	25 PFTeDA	712.9 > 668.8	2.04e4	2.53e4	0.1250		5.15	4.83	10.1	62.6	78.2
3	33 13C3-PFBS	302.1 > 79.9	8.66e3	4.34e4	0.1250	0.051	3.25	2.89	0.999	158	157.6
4	34 13C2-PFHxA	315 > 269.8	1.22e4	4.34e4	0.1250	0.275	3.46	3.15	1.40	40.9	102.3
5	35 13C4-PFHpA	367 > 322.1	4.85e4	4.34e4	0.1250	0.558	3.72	3.44	5.60	80.2	80.2
6	36 18O2-PFHxS	403 > 103.0	3.73e3	7.91e3	0.1250	0.490	3.79	3.52	5.90	96.3	96.3
7	38 13C2-PFOA	414.9 > 369.7	3.69e4	3.51e4	0.1250	1.152	3.93	3.66	13.1	91.3	91.3
8	39 13C5-PFNA	468.1 > 423.1	3.42e4	4.62e4	0.1250	0.857	4.13	3.85	9.25	86.3	86.3
9	41 13C8-PFOS	507 > 79.9	7.29e3	8.13e3	0.1250	0.990	4.19	3.92	11.2	90.6	90.6
10	42 13C2-PFDA	515.1 > 469.9	2.41e4	3.75e4	0.1250	0.882	4.32	4.05	8.01	72.7	72.7

Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	44 d3-N-MeFOSAA	573.3 > 419	5.66e3	4.44e4	0.1250	0.015	4.35	4.09	1.59	874.492	67.3
2	45 d5-N-EtFOSAA	589.3 > 419	5.81e3	4.44e4	0.1250	0.015	4.42	4.16	1.64	855.890	65.8
3	46 13C2-PFUnA	565 > 519.8	2.58e4	4.44e4	0.1250	0.943	4.52	4.24	7.25	61.549	61.5
4	47 13C2-PFDoA	615.1 > 570.1	3.19e4	4.44e4	0.1250	0.951	4.72	4.42	8.97	75.457	75.5
5	49 13C2-PFTeDA	714.8 > 669.6	2.53e4	4.44e4	0.1250	0.728	5.15	4.83	7.12	78.272	78.3
6	55 13C5-PFHxA	318 > 272.9	4.34e4	4.34e4	0.1250	1.000	3.46	3.15	5.00	40.000	100.0
7	56 13C3-PFHxS	402.1 > 80.0	7.91e3	7.91e3	0.1250	1.000	3.79	3.52	12.5	100.000	100.0
8	57 13C8-PFOA	421.3 > 376	3.51e4	3.51e4	0.1250	1.000	3.93	3.66	12.5	100.000	100.0
9	58 13C9-PFNA	472.1 > 427.1	4.62e4	4.62e4	0.1250	1.000	4.13	3.85	12.5	100.000	100.0
10	59 13C4-PFOS	503 > 79.9	8.13e3	8.13e3	0.1250	1.000	4.19	3.92	12.5	100.000	100.0
11	60 13C6-PFDA	519.1 > 473.7	3.75e4	3.75e4	0.1250	1.000	4.32	4.05	12.5	100.000	100.0
12	61 13C7-PFUnA	570.1 > 524.8	4.44e4	4.44e4	0.1250	1.000	4.52	4.24	12.5	100.000	100.0
13	62 Total PFHxS	399.0 > 80.0	5.74e3	3.73e3	0.1250		3.79		19.2	64.739	
14	63 Total PFOA	413 > 368.7	2.58e4	3.69e4	0.1250		3.93		8.73	67.414	
15	64 Total PFOS	499 > 79.9	5.83e3	7.29e3	0.1250		4.19		10.0	64.027	
16	65 Total N-MeFOSAA	570.1 > 419	5.62e3	5.66e3	0.1250		4.35		161	64.976	
17	66 Total N-EtFOSAA	584.2 > 419	4.66e3	5.81e3	0.1250		4.42		130	67.049	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.52	5740.672	3731.147	19.232	MM	64.7
2	7 Br-PFHxS	399.0 > 80.0			3731.147		MM-I	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	25755.172	36887.836	8.728	bb	67.4

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.92	5830.482	7285.838	10.003	MM	64.0
2	15 Br-PFOS	499 > 79.9			7285.838		MM-	

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	18 N-MeFOSAA	570.1 > 419	4.09	5621.740	5657.775	161.465	bb	65.0

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	19 N-EtFOSAA	584.2 > 419	4.16	4659.999	5814.011	130.246	bb	67.0

Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

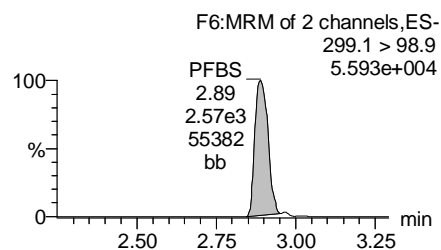
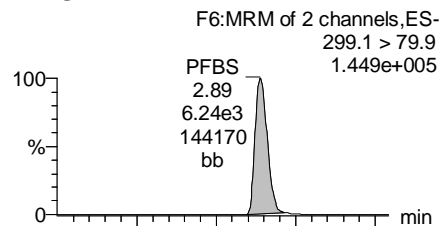
Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 05 Oct 2017 13:54:42

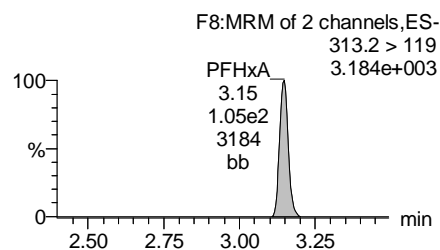
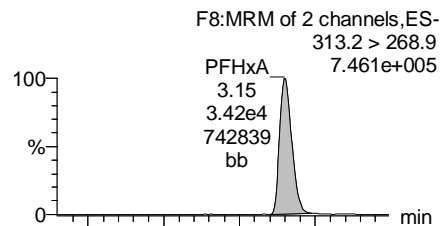
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Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

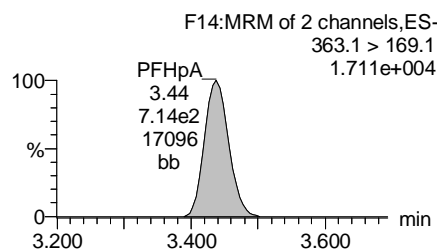
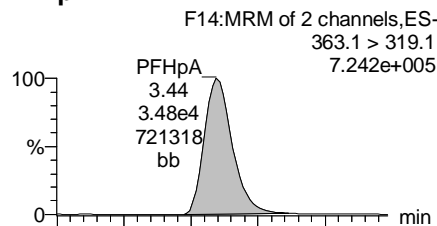
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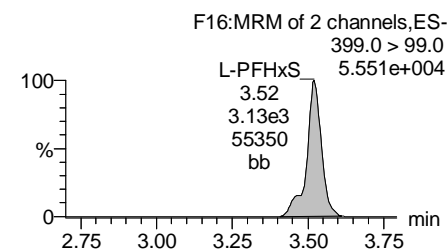
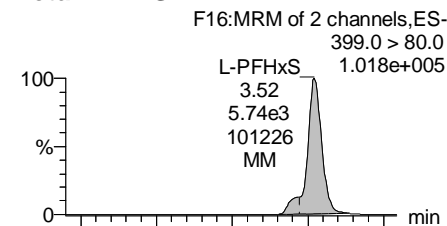
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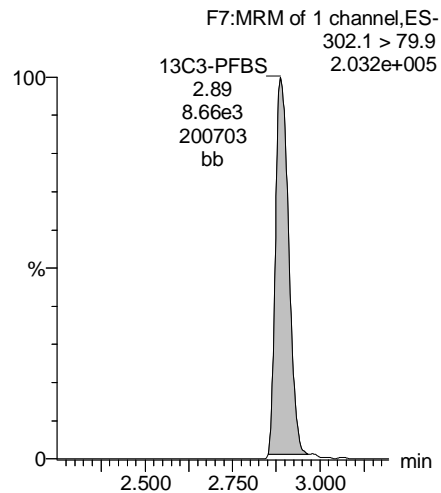
PFHpA



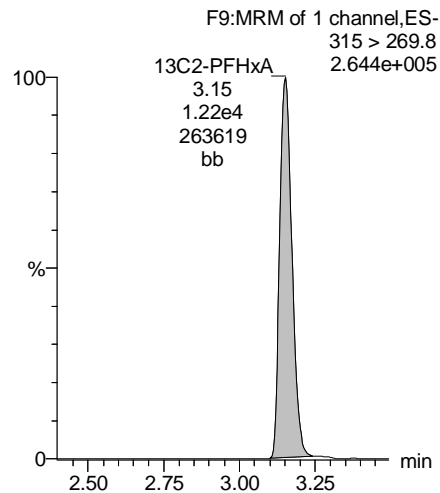
Total PFHxS



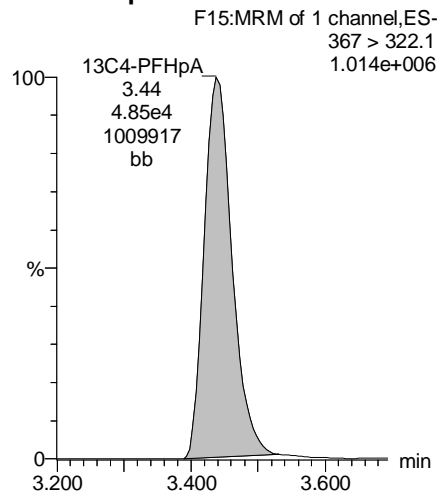
13C3-PFBS



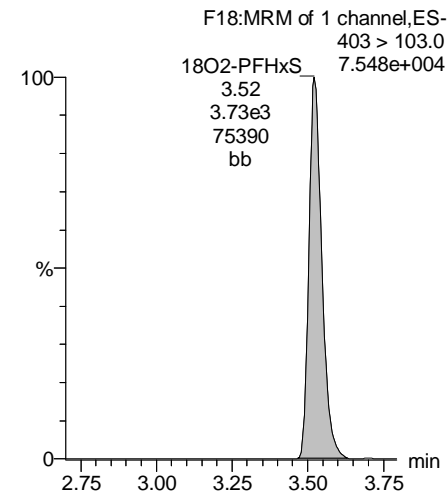
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



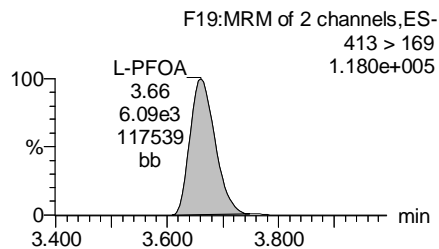
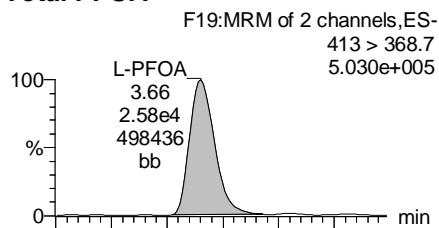
Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

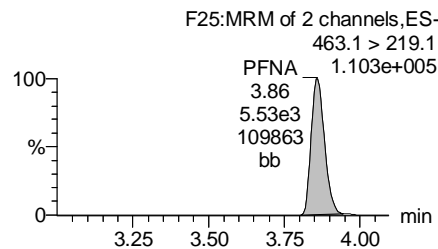
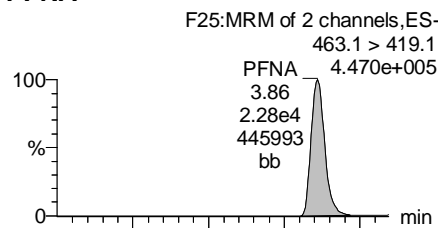
Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

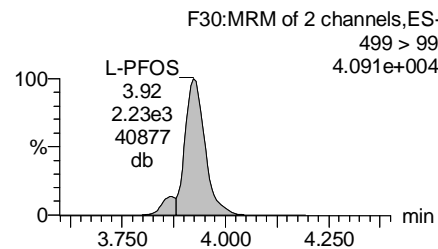
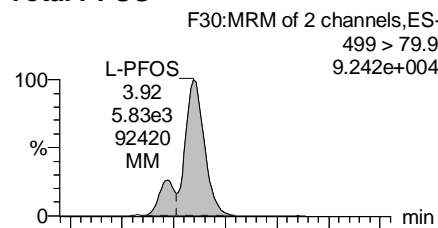
Total PFOA



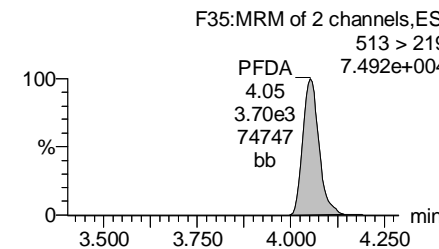
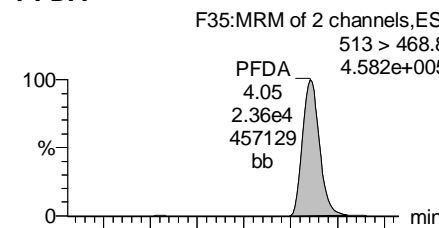
PFNA



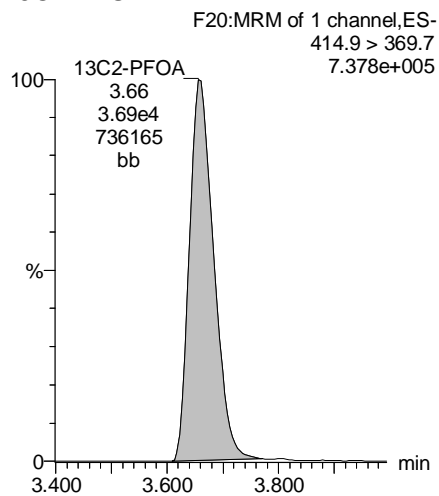
Total PFOS



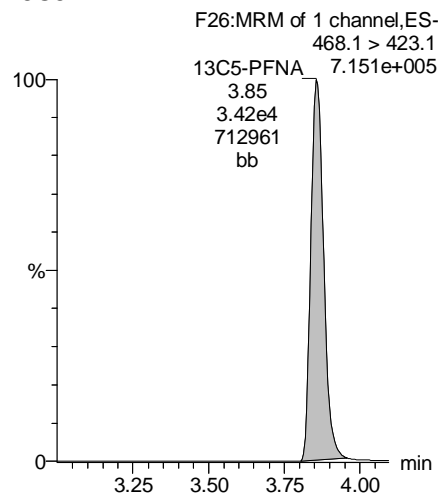
PFDA



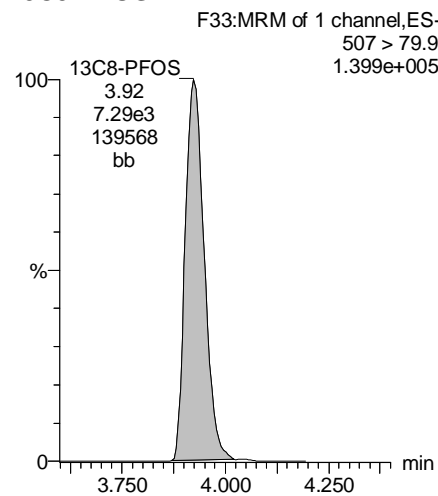
13C2-PFOA



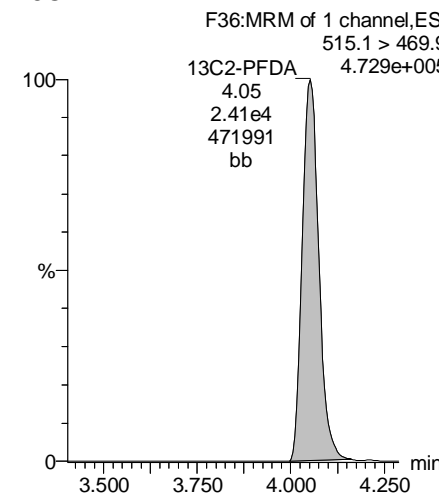
13C5-PFNA



13C8-PFOS



13C2-PFDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

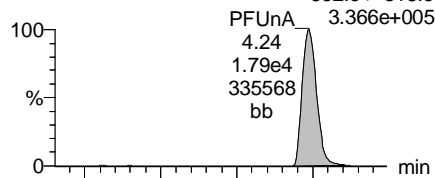
Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

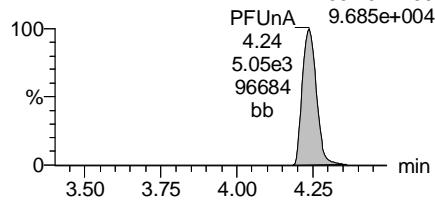
Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9

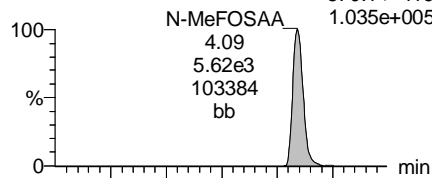


F43:MRM of 2 channels,ES-
562.9 > 269

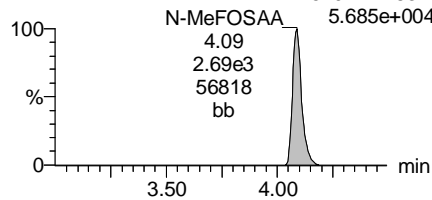


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419

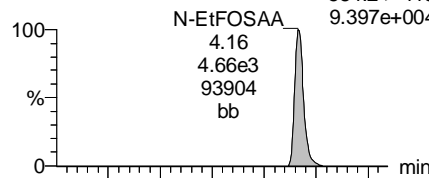


F45:MRM of 3 channels,ES-
570.1 > 483.1

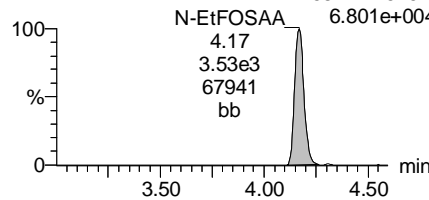


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419

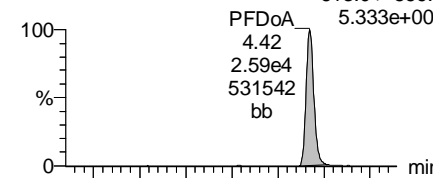


F48:MRM of 3 channels,ES-
584.1 > 526.1

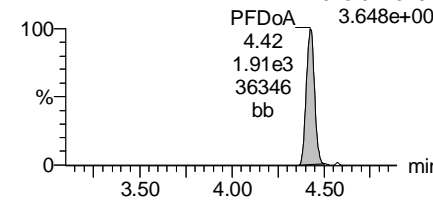


PFDoA

F51:MRM of 4 channels,ES-
613.0 > 569.1

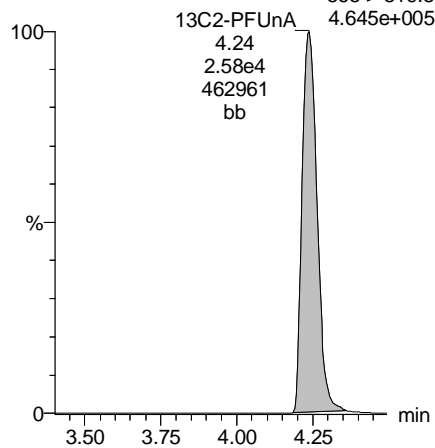


F51:MRM of 4 channels,ES-
613.0 > 319.1



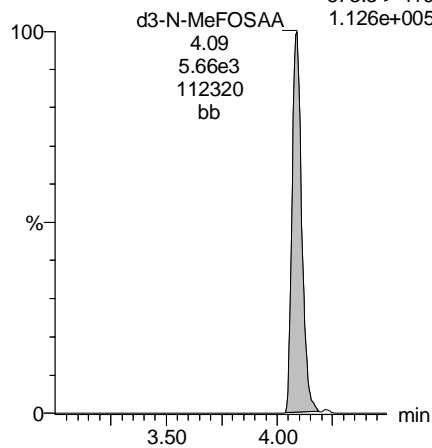
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8



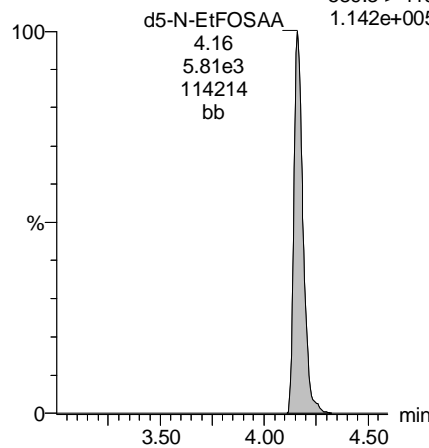
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419



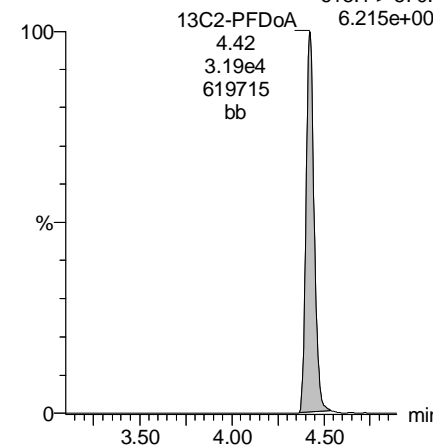
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419



13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1



Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

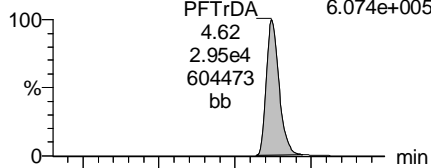
Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

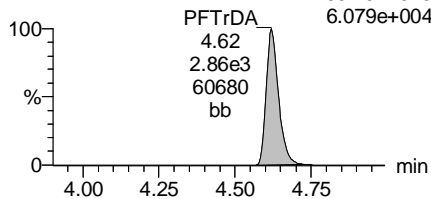
Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
6.074e+005

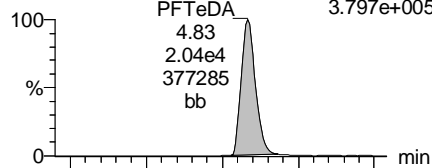


F57:MRM of 2 channels,ES-
662.9 > 319
6.079e+004

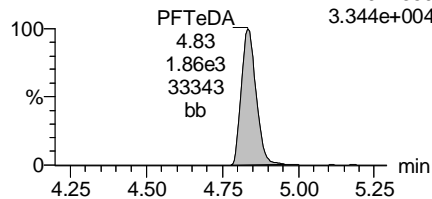


PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
3.797e+005

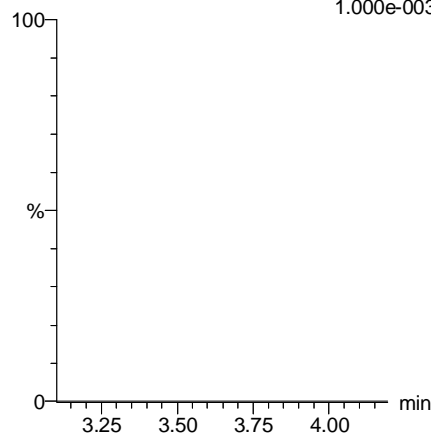


F58:MRM of 4 channels,ES-
712.9 > 369
3.344e+004



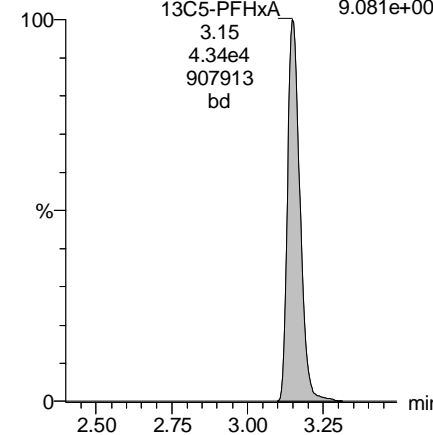
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



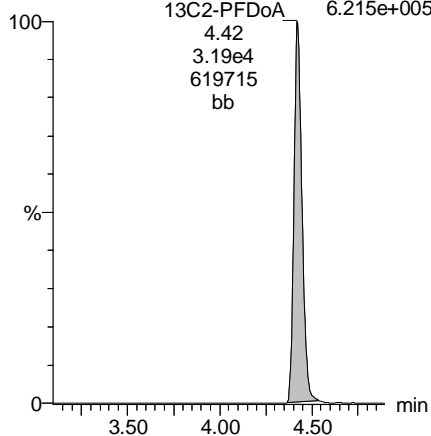
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
9.081e+005



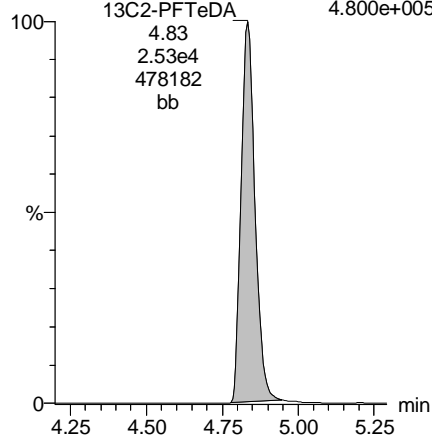
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
6.215e+005



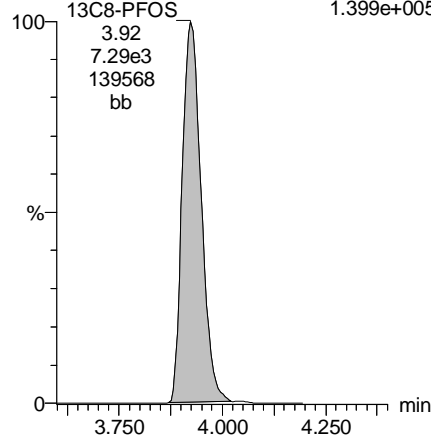
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
4.800e+005



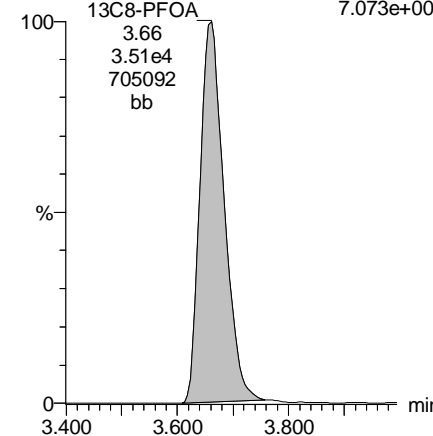
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.399e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
7.073e+005



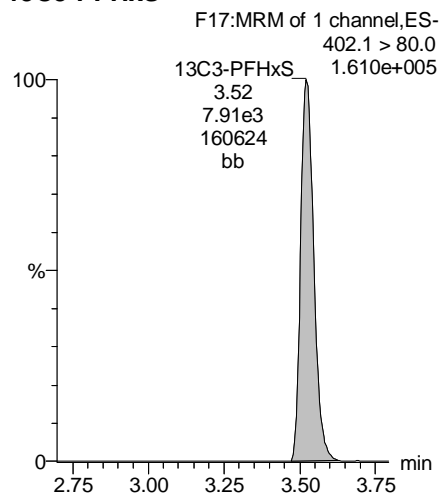
Dataset: U:\Q4.PRO\results\171003M2\171003M2-48.qld

Last Altered: Monday, October 09, 2017 14:45:13 Pacific Daylight Time

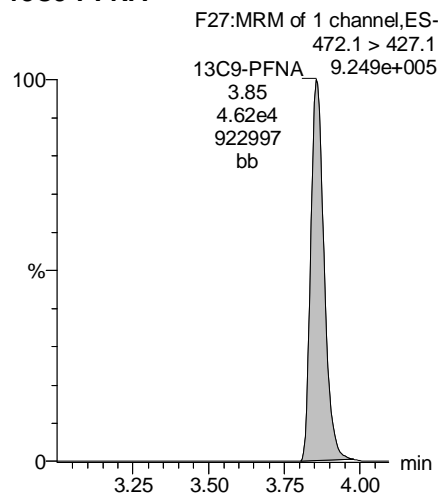
Printed: Monday, October 09, 2017 14:47:41 Pacific Daylight Time

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

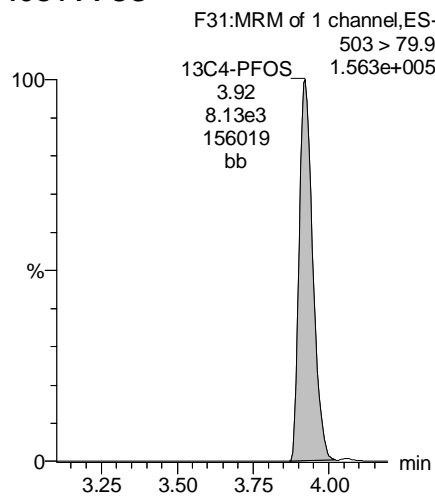
13C3-PFHxS



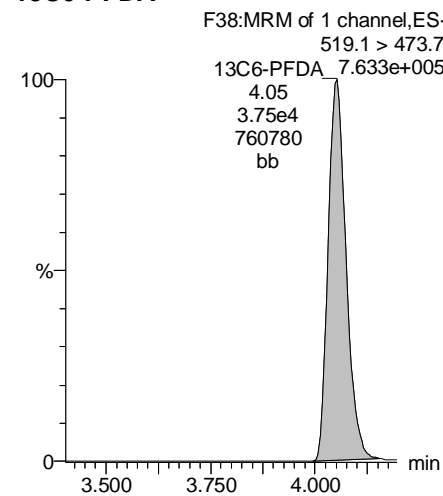
13C9-PFNA



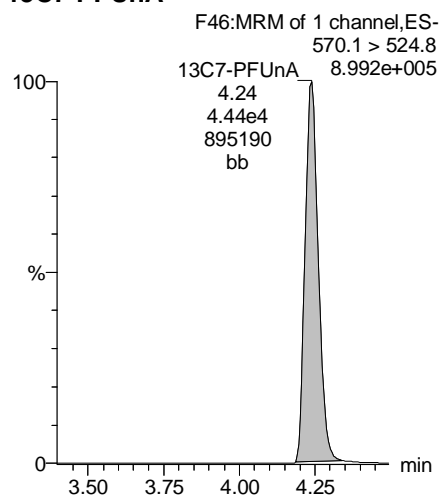
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:36:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		8.20e3	0.1161		3.25				
2	4 PFHxA	313.2 > 268.9		1.05e4	0.1161		3.46				
3	5 PFHpA	363.1 > 319.1		4.00e4	0.1161		3.72				
4	6 L-PFHxS	399.0 > 80.0	1.01e1	3.26e3	0.1161		3.79	3.53	0.0388		
5	9 L-PFOA	413 > 368.7	6.72e2	3.41e4	0.1161		3.93	3.67	0.247		
6	12 PFNA	463.1 > 419.1		2.65e4	0.1161		4.13				
7	14 L-PFOS	499 > 79.9		7.91e3	0.1161		4.19				
8	16 PFDA	513 > 468.8		2.30e4	0.1161		4.32				
9	18 N-MeFOSAA	570.1 > 419		4.48e3	0.1161		4.32				
10	19 N-EtFOSAA	584.2 > 419		4.44e3	0.1161		4.42				
11	20 PFUnA	562.9 > 518.9		2.38e4	0.1161		4.52				
12	22 PFDoA	613.0 > 569.1		2.45e4	0.1161		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24	PFTrDA	662.9 > 618.9	2.45e4	0.1161		4.93				
2	25	PFTeDA	712.9 > 668.8	2.28e4	0.1161		5.15				
3	31	13C3-PFBA	216.1 > 172.1		0.1161		2.14				
4	32	13C3-PFPeA	266.1 > 222.1	3.79e4	0.1161	0.231	3.09				
5	33	13C3-PFBS	302.1 > 79.9	8.20e3	3.79e4	0.1161	0.051	3.25	2.89	1.08	184.053
6	34	13C2-PFHxA	315 > 269.8	1.05e4	3.79e4	0.1161	0.275	3.46	3.15	1.39	43.457
7	35	13C4-PFHpA	367 > 322.1	4.00e4	3.79e4	0.1161	0.558	3.72	3.44	5.28	81.454
8	36	18O2-PFHxS	403 > 103.0	3.26e3	6.04e3	0.1161	0.490	3.79	3.53	6.75	118.634
9	37	13C2-6:2 FTS	429.1 > 408.9	4.00e3	3.16e4	0.1161	0.146	3.92	3.65	1.58	92.982
10	38	13C2-PFOA	414.9 > 369.7	3.41e4	3.16e4	0.1161	1.152	3.93	3.67	13.5	100.678
11	39	13C5-PFNA	468.1 > 423.1	2.65e4	3.46e4	0.1161	0.857	4.13	3.86	9.57	96.109
12	40	13C8-PFOA	506.1 > 78.0	2.29e3	3.62e4	0.1161	0.136	4.14	3.87	0.790	49.864
13	41	13C8-PFOS	507 > 79.9	7.91e3	7.69e3	0.1161	0.990	4.19	3.93	12.9	111.811
14	42	13C2-PFDA	515.1 > 469.9	2.30e4	3.31e4	0.1161	0.882	4.32	4.06	8.67	84.677
15	43	13C2-8:2 FTS	529.1 > 508.7	2.86e3	3.31e4	0.1161	0.105	4.31	4.05	1.08	88.957
16	44	d3-N-MeFOSAA	573.3 > 419	4.48e3	3.62e4	0.1161	0.015	4.35	4.09	1.55	913.657
17	45	d5-N-EtFOSAA	589.3 > 419	4.44e3	3.62e4	0.1161	0.015	4.42	4.17	1.53	862.691
18	46	13C2-PFUnA	565 > 519.8	2.38e4	3.62e4	0.1161	0.943	4.52	4.24	8.21	74.950
19	47	13C2-PFDoA	615.1 > 570.1	2.45e4	3.62e4	0.1161	0.951	4.72	4.42	8.47	76.639
20	49	13C2-PFTeDA	714.8 > 669.6	2.28e4	3.62e4	0.1161	0.728	5.15	4.84	7.89	93.324
21	54	13C4-PFBA	217.1 > 172.1		0.1161		2.14				
22	55	13C5-PFHxA	318 > 272.9	3.79e4	3.79e4	0.1161	1.000	3.46	3.15	5.00	43.051
23	56	13C3-PFHxS	402.1 > 80.0	6.04e3	6.04e3	0.1161	1.000	3.79	3.53	12.5	107.629
24	57	13C8-PFOA	421.3 > 376	3.16e4	3.16e4	0.1161	1.000	3.93	3.67	12.5	107.629
25	58	13C9-PFNA	472.1 > 427.1	3.46e4	3.46e4	0.1161	1.000	4.13	3.86	12.5	107.629
26	59	13C4-PFOS	503 > 79.9	7.69e3	7.69e3	0.1161	1.000	4.19	3.93	12.5	107.629
27	60	13C6-PFDA	519.1 > 473.7	3.31e4	3.31e4	0.1161	1.000	4.32	4.06	12.5	107.629
28	61	13C7-PFUnA	570.1 > 524.8	3.62e4	3.62e4	0.1161	1.000	4.52	4.24	12.5	107.629
29	62	Total PFHxS	399.0 > 80.0	1.01e1	3.26e3	0.1161		3.79		0.000	
30	63	Total PFOA	413 > 368.7	6.72e2	3.41e4	0.1161		3.93		0.000	
31	64	Total PFOS	499 > 79.9	0.00e0	7.91e3	0.1161		4.19		0.000	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	4.48e3	0.1161		4.35		0.000	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.44e3	0.1161		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	6.72e2		0.1161		0.00		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.53	10.118	3260.599	0.039	MMI	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	672.496	34098.996	0.247	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	672.496	34098.996	0.247	MMI	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

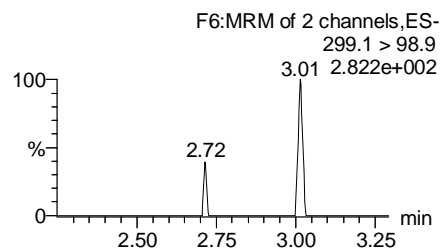
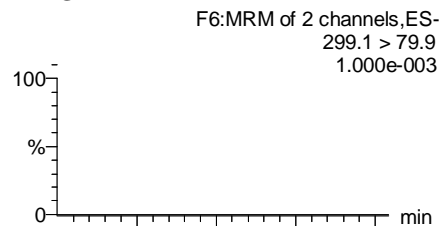
Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

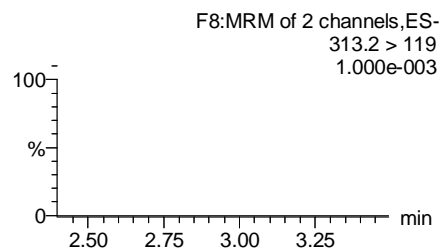
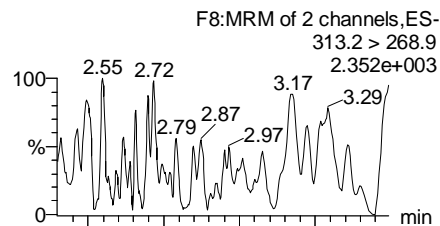
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

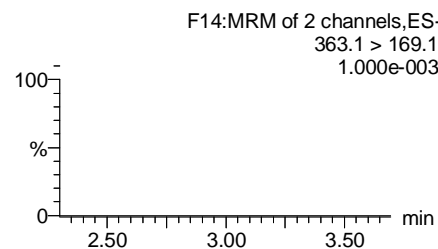
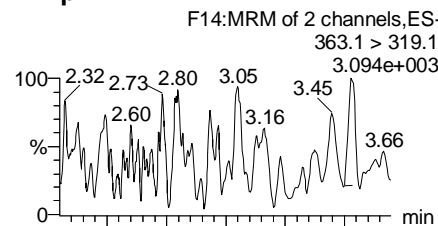
PFBS



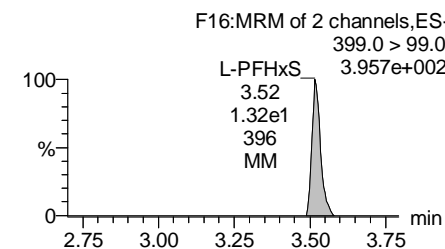
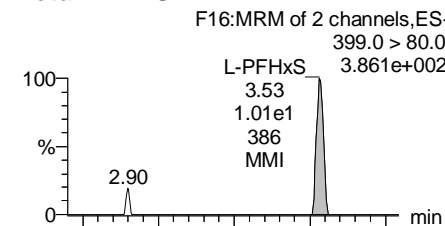
PFHxA



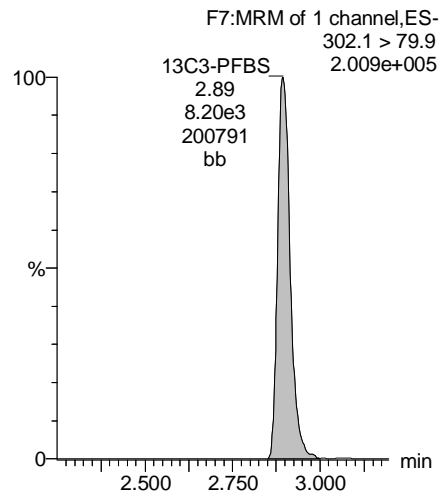
PFHpA



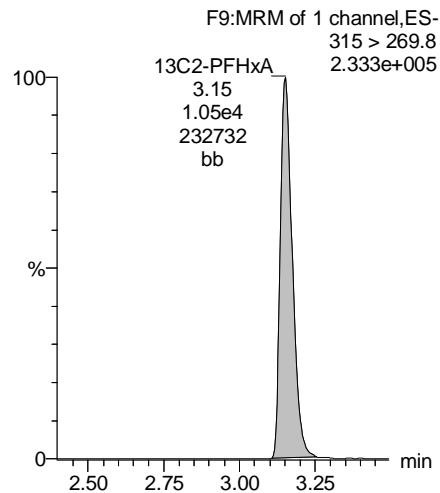
Total PFHxS



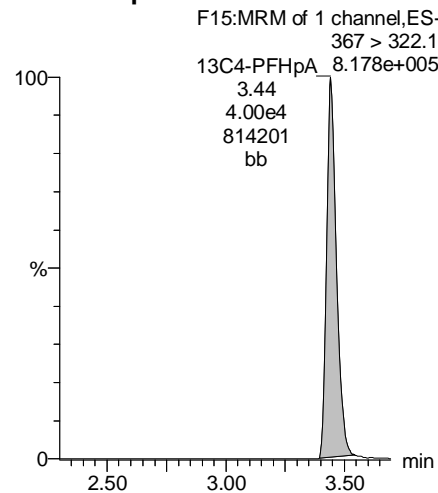
13C3-PFBS



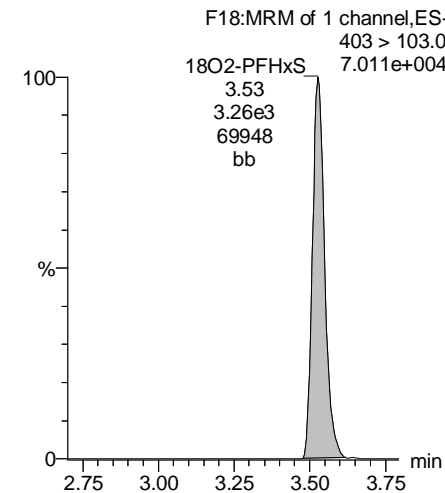
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

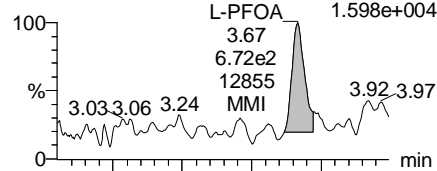
Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

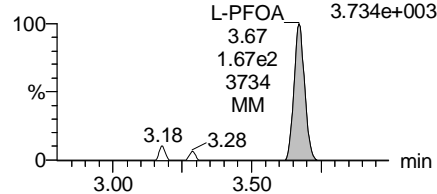
Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.598e+004

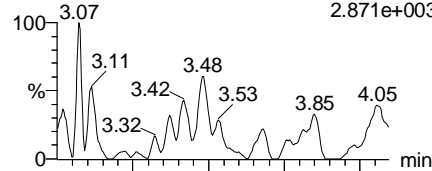


F19:MRM of 2 channels,ES-
413 > 169
3.734e+003

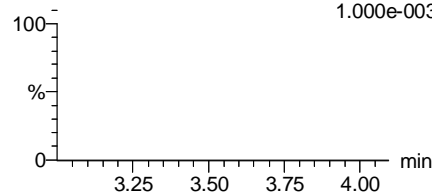


PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
2.871e+003

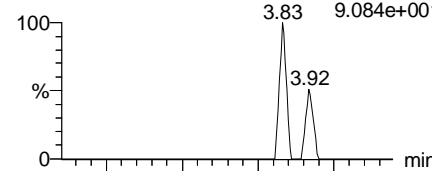


F25:MRM of 2 channels,ES-
463.1 > 219.1
1.000e-003

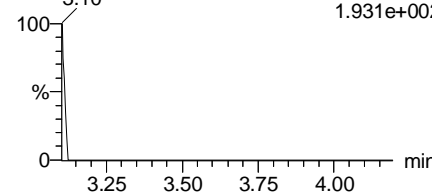


Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
9.084e+001

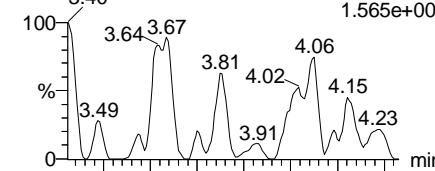


F30:MRM of 2 channels,ES-
499 > 99
1.931e+002

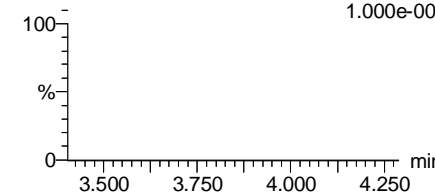


PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
1.565e+003

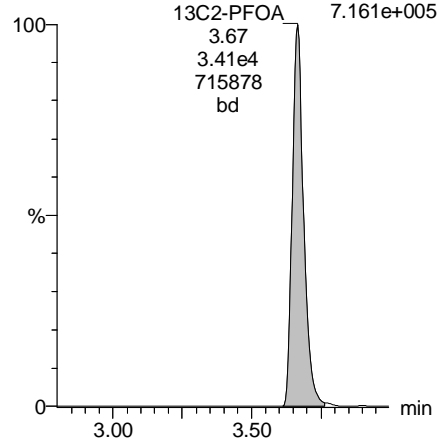


F35:MRM of 2 channels,ES-
513 > 219
1.000e-003



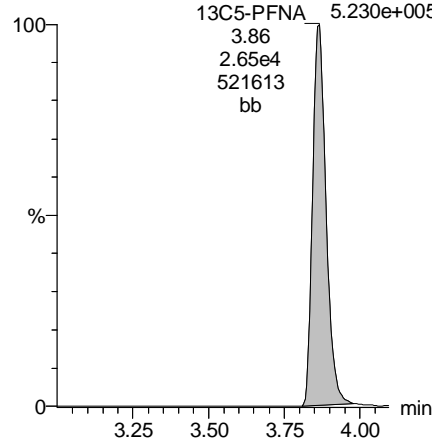
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
7.161e+005



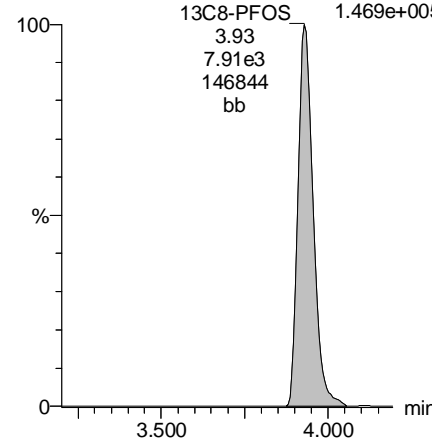
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
5.230e+005



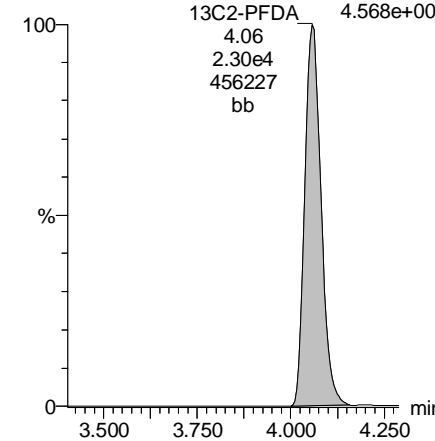
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.469e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
4.568e+005



Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

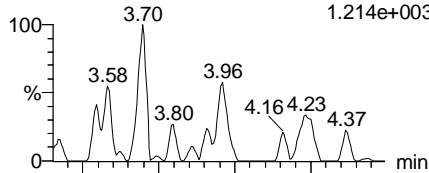
Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

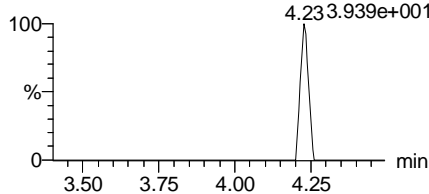
Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
1.214e+003

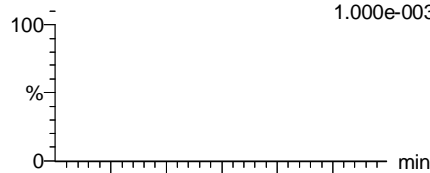


F43:MRM of 2 channels,ES-
562.9 > 269
4.233.939e+001

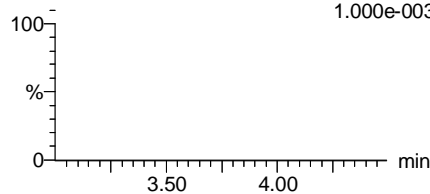


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

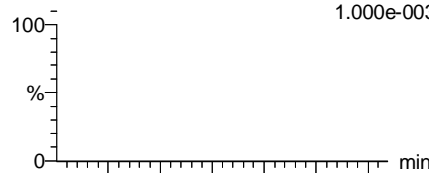


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

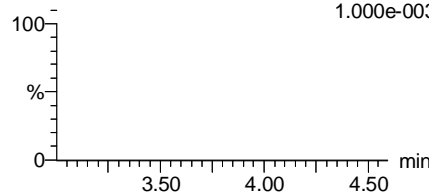


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.000e-003

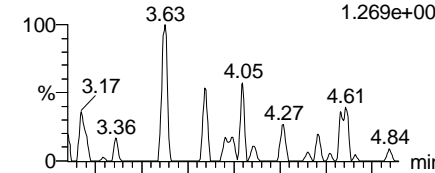


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.000e-003

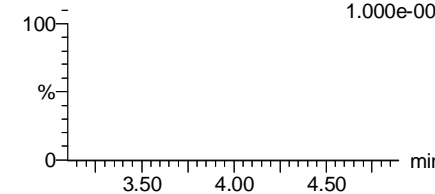


PFDoA

F51:MRM of 4 channels,ES-
613.0 > 569.1
1.269e+003

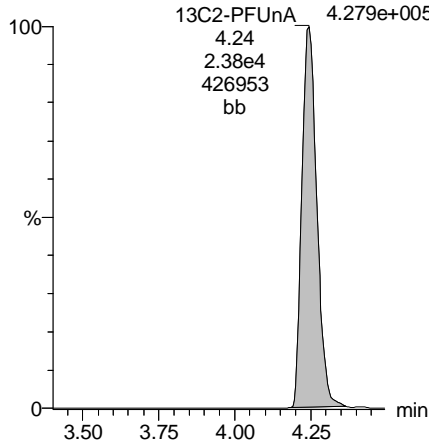


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



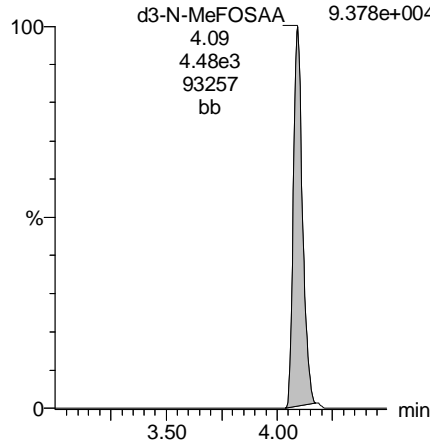
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
4.279e+005



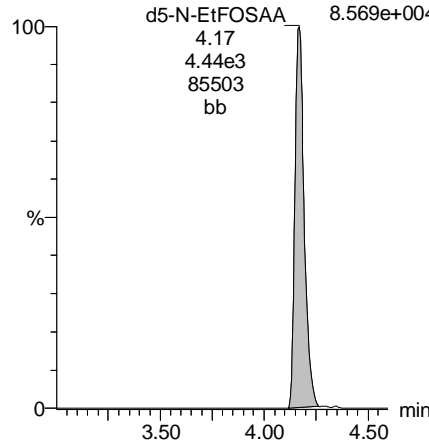
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
9.378e+004



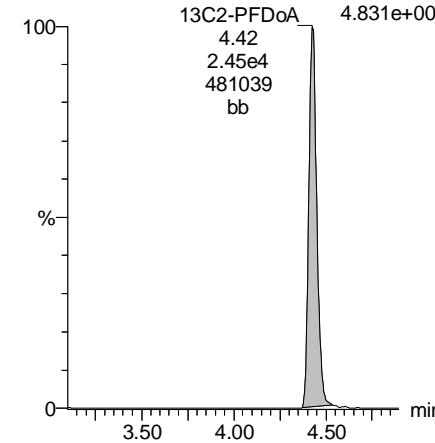
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
8.569e+004



13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
4.831e+005



Dataset: U:\Q4.PRO\results\171003M2\171003M2-55.qld

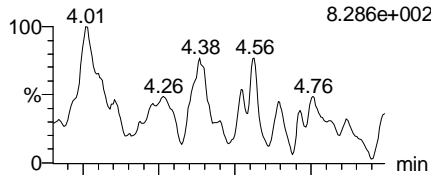
Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

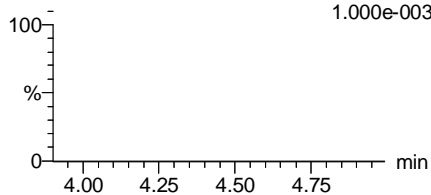
Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
8.286e+002

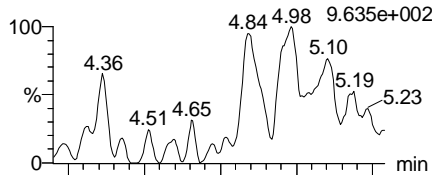


F57:MRM of 2 channels,ES-
662.9 > 319
1.000e-003

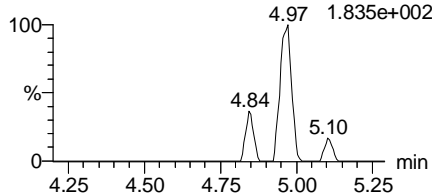


PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
9.635e+002

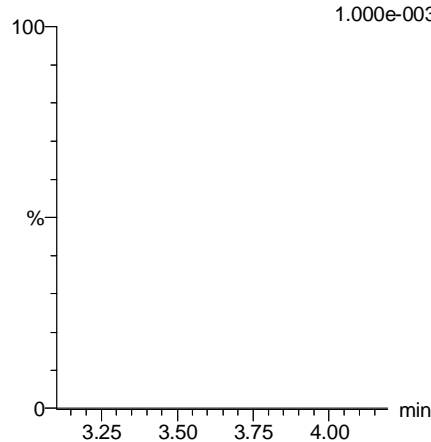


F58:MRM of 4 channels,ES-
712.9 > 369
1.835e+002



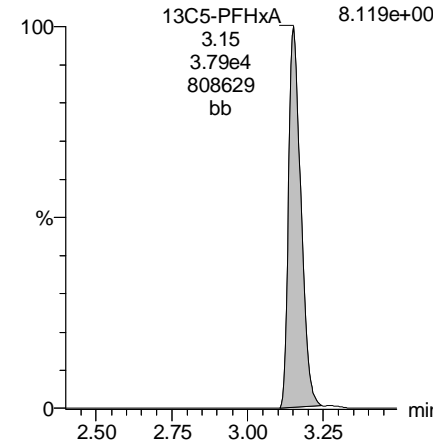
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



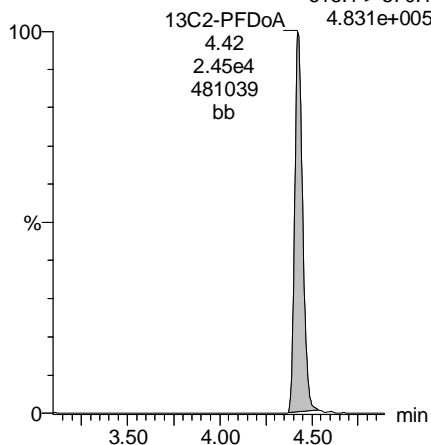
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
8.119e+005



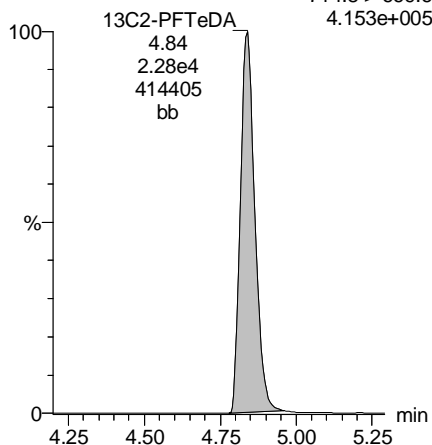
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
4.831e+005



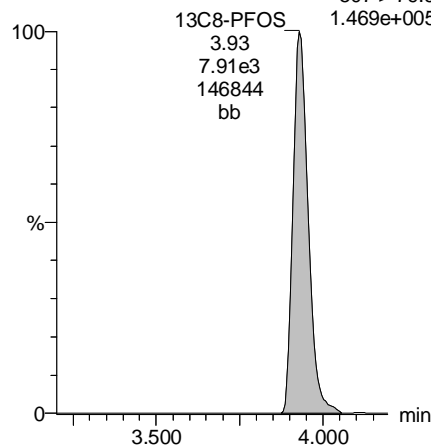
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
4.153e+005



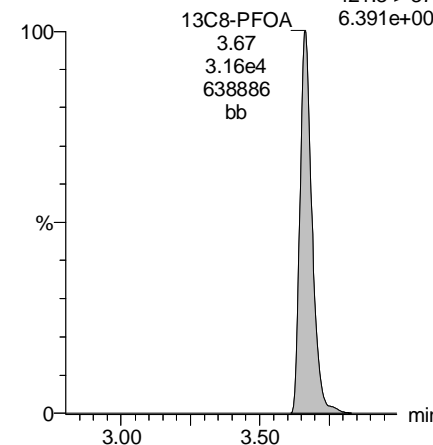
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.469e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
6.391e+005



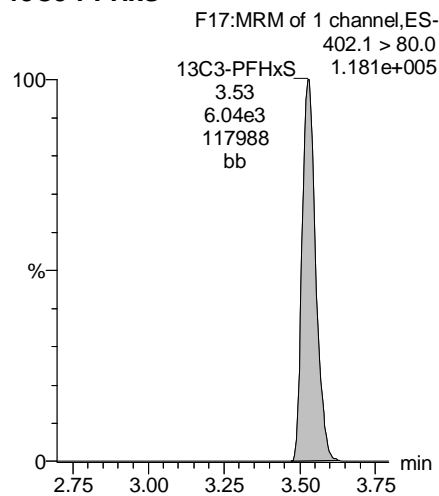
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Last Altered: Tuesday, October 31, 2017 11:31:41 Pacific Daylight Time

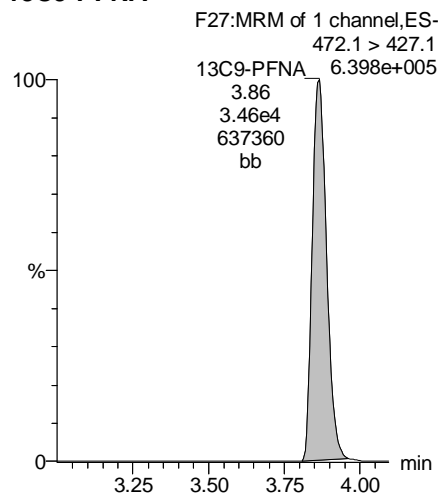
Printed: Tuesday, October 31, 2017 11:37:04 Pacific Daylight Time

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

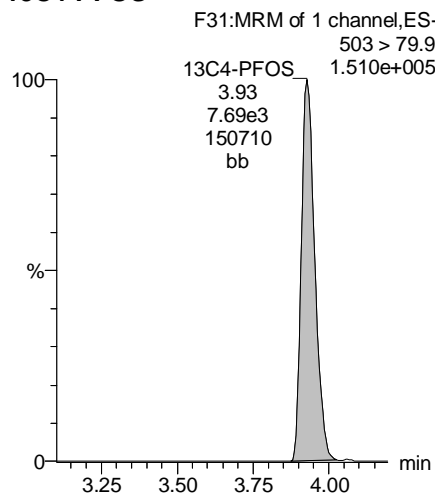
13C3-PFHxS



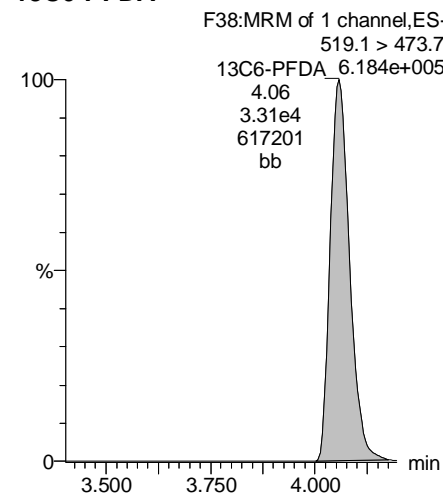
13C9-PFNA



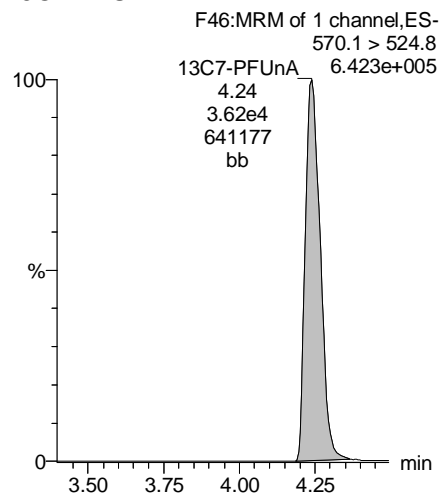
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:21 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		8.11e3	0.1149		3.25				
2	4 PFHxA	313.2 > 268.9		9.58e3	0.1149		3.46				
3	5 PFHpA	363.1 > 319.1		4.53e4	0.1149		3.72				
4	6 L-PFHxS	399.0 > 80.0	6.37e0	3.22e3	0.1149		3.79	3.51	0.0247		
5	9 L-PFOA	413 > 368.7		3.26e4	0.1149		3.93				
6	12 PFNA	463.1 > 419.1		3.14e4	0.1149		4.13				
7	14 L-PFOS	499 > 79.9	1.72e1	7.49e3	0.1149		4.19	3.87	0.0286	0.372	
8	16 PFDA	513 > 468.8		2.28e4	0.1149		4.32				
9	18 N-MeFOSAA	570.1 > 419		4.95e3	0.1149		4.32				
10	19 N-EtFOSAA	584.2 > 419		5.57e3	0.1149		4.42				
11	20 PFUnA	562.9 > 518.9		3.08e4	0.1149		4.52				
12	22 PFDoA	613.0 > 569.1		3.18e4	0.1149		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24	PFTrDA	662.9 > 618.9	3.18e4	0.1149		4.93				
2	25	PFTeDA	712.9 > 668.8	2.56e4	0.1149		5.15				
3	31	13C3-PFBA	216.1 > 172.1		0.1149		2.14				
4	32	13C3-PFPeA	266.1 > 222.1	3.87e4	0.1149	0.231	3.09				
5	33	13C3-PFBS	302.1 > 79.9	8.11e3	3.87e4	0.1149	0.051	3.25	2.89	1.05	180.046
6	34	13C2-PFHxA	315 > 269.8	9.58e3	3.87e4	0.1149	0.275	3.46	3.15	1.24	39.269
7	35	13C4-PFHpA	367 > 322.1	4.53e4	3.87e4	0.1149	0.558	3.72	3.44	5.86	91.298
8	36	18O2-PFHxS	403 > 103.0	3.22e3	7.05e3	0.1149	0.490	3.79	3.52	5.70	101.331
9	37	13C2-6:2 FTS	429.1 > 408.9	3.90e3	3.01e4	0.1149	0.146	3.92	3.65	1.62	96.323
10	38	13C2-PFOA	414.9 > 369.7	3.26e4	3.01e4	0.1149	1.152	3.93	3.66	13.5	102.128
11	39	13C5-PFNA	468.1 > 423.1	3.14e4	4.12e4	0.1149	0.857	4.13	3.86	9.52	96.664
12	40	13C8-PFOSA	506.1 > 78.0	2.50e3	3.28e4	0.1149	0.136	4.14	3.87	0.952	60.740
13	41	13C8-PFOS	507 > 79.9	7.49e3	8.12e3	0.1149	0.990	4.19	3.92	11.5	101.332
14	42	13C2-PFDA	515.1 > 469.9	2.28e4	3.08e4	0.1149	0.882	4.32	4.05	9.26	91.370
15	43	13C2-8:2 FTS	529.1 > 508.7	2.51e3	3.08e4	0.1149	0.105	4.31	4.05	1.02	84.793
16	44	d3-N-MeFOSAA	573.3 > 419	4.95e3	3.28e4	0.1149	0.015	4.35	4.09	1.89	1127.100
17	45	d5-N-EtFOSAA	589.3 > 419	5.57e3	3.28e4	0.1149	0.015	4.42	4.16	2.12	1207.947
18	46	13C2-PFUnA	565 > 519.8	3.08e4	3.28e4	0.1149	0.943	4.52	4.24	11.7	108.412
19	47	13C2-PFDoA	615.1 > 570.1	3.18e4	3.28e4	0.1149	0.951	4.72	4.42	12.1	110.882
20	49	13C2-PFTeDA	714.8 > 669.6	2.56e4	3.28e4	0.1149	0.728	5.15	4.83	9.78	116.934
21	54	13C4-PFBA	217.1 > 172.1		0.1149		2.14				
22	55	13C5-PFHxA	318 > 272.9	3.87e4	3.87e4	0.1149	1.000	3.46	3.15	5.00	43.512
23	56	13C3-PFHxS	402.1 > 80.0	7.05e3	7.05e3	0.1149	1.000	3.79	3.52	12.5	108.781
24	57	13C8-PFOA	421.3 > 376	3.01e4	3.01e4	0.1149	1.000	3.93	3.66	12.5	108.781
25	58	13C9-PFNA	472.1 > 427.1	4.12e4	4.12e4	0.1149	1.000	4.13	3.87	12.5	108.781
26	59	13C4-PFOS	503 > 79.9	8.12e3	8.12e3	0.1149	1.000	4.19	3.92	12.5	108.781
27	60	13C6-PFDA	519.1 > 473.7	3.08e4	3.08e4	0.1149	1.000	4.32	4.06	12.5	108.781
28	61	13C7-PFUnA	570.1 > 524.8	3.28e4	3.28e4	0.1149	1.000	4.52	4.23	12.5	108.781
29	62	Total PFHxS	399.0 > 80.0	6.37e0	3.22e3	0.1149		3.79		0.000	
30	63	Total PFOA	413 > 368.7	0.00e0	3.26e4	0.1149		3.93		0.000	
31	64	Total PFOS	499 > 79.9	1.72e1	7.49e3	0.1149		4.19		0.0286	0.372
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	4.95e3	0.1149		4.35		0.000	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	5.57e3	0.1149		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	1.72e1		0.1149		0.00		0.0286	0.372	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.51	6.367	3218.429	0.025	MMI	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.87	17.160	7490.960	0.029	MM	0.4

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

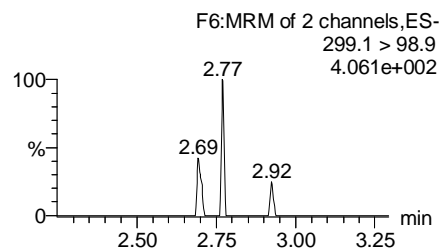
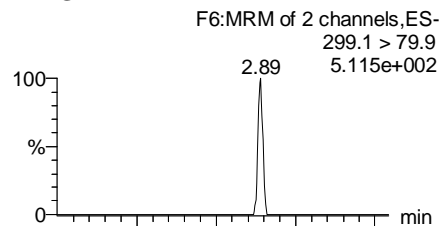
Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

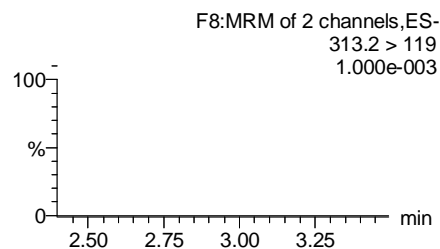
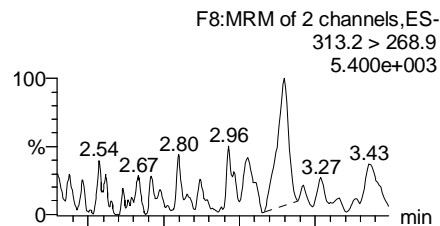
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

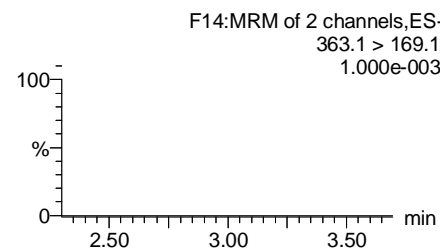
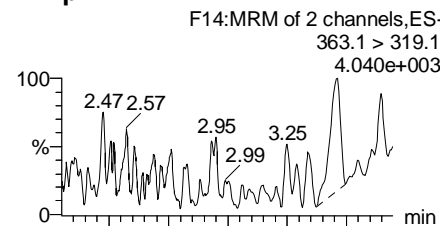
PFBS



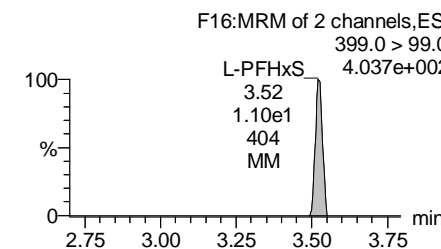
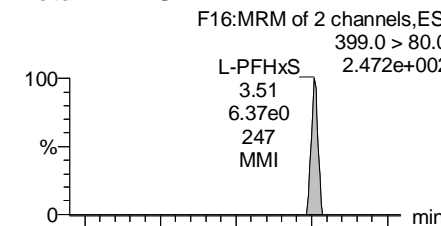
PFHxA



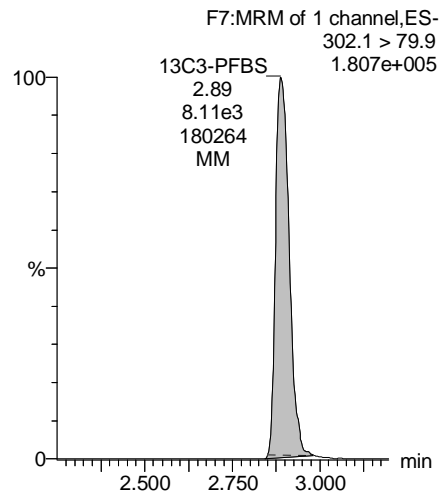
PFHpA



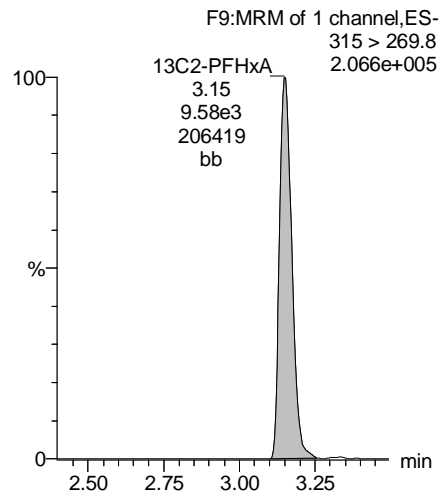
Total PFHxS



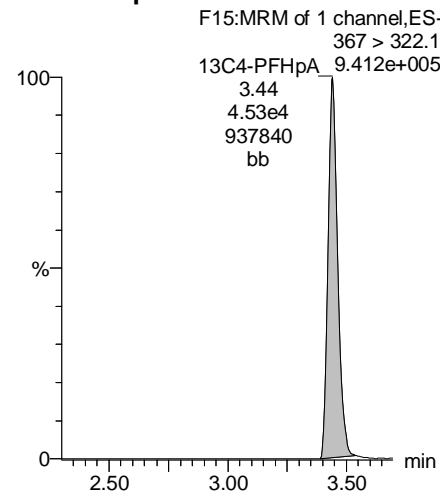
13C3-PFBS



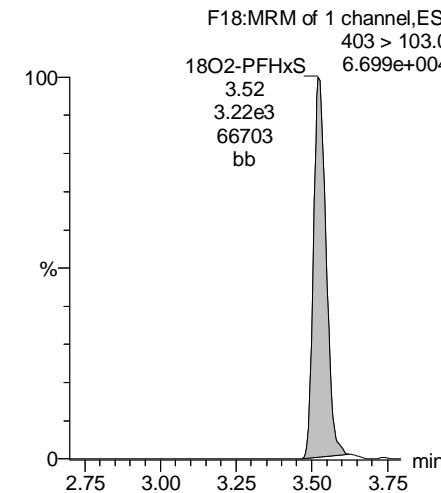
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

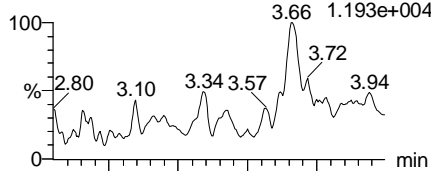
Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

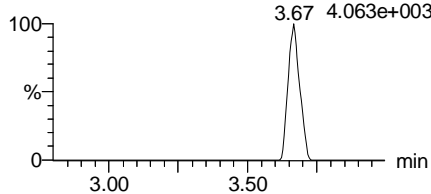
Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.193e+004

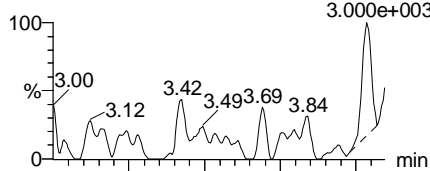


F19:MRM of 2 channels,ES-
413 > 169
4.063e+003

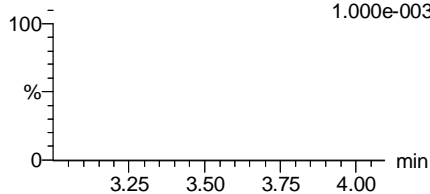


PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
3.000e+003

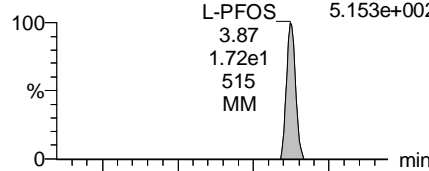


F25:MRM of 2 channels,ES-
463.1 > 219.1
1.000e+003

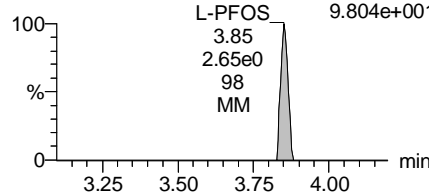


Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
5.153e+002

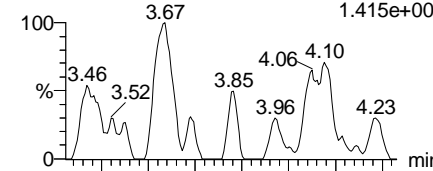


F30:MRM of 2 channels,ES-
499 > 99
9.804e+001

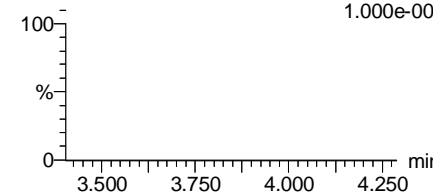


PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
1.415e+003

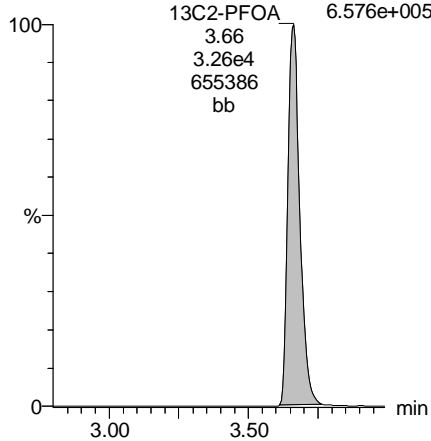


F35:MRM of 2 channels,ES-
513 > 219
1.000e+003



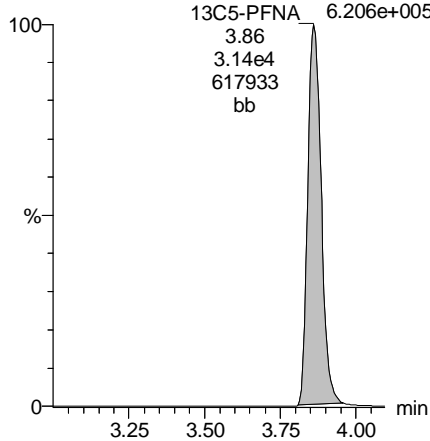
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
6.576e+005



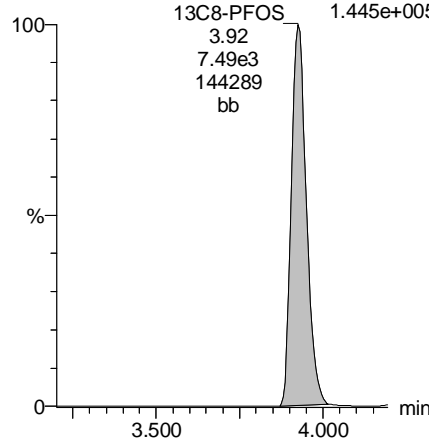
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
6.206e+005



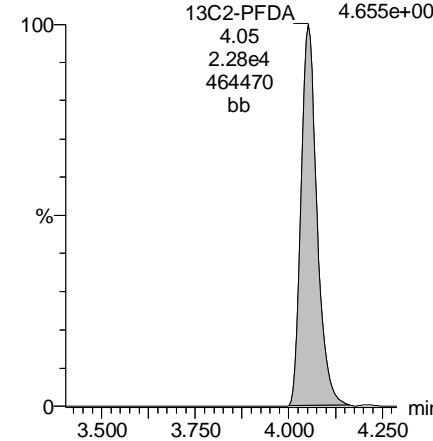
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.445e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
4.655e+005



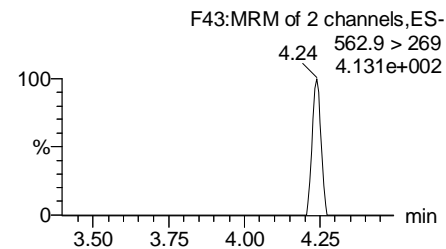
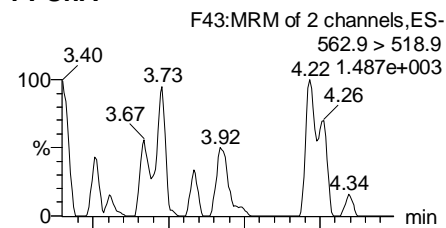
Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

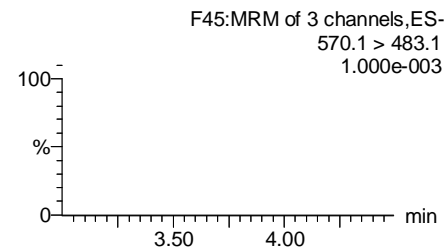
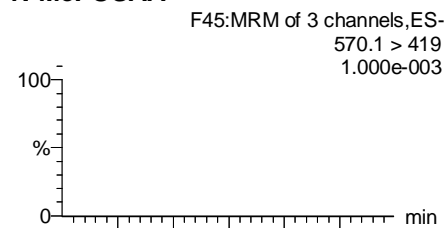
Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

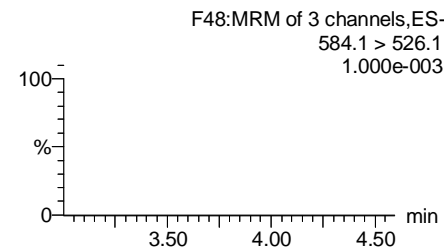
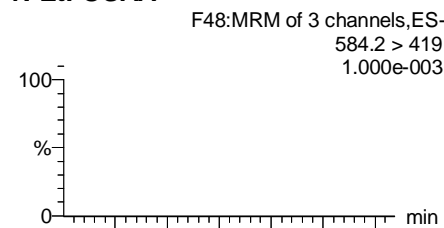
PFUnA



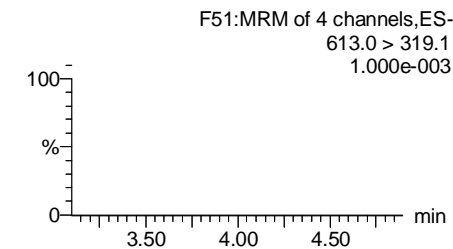
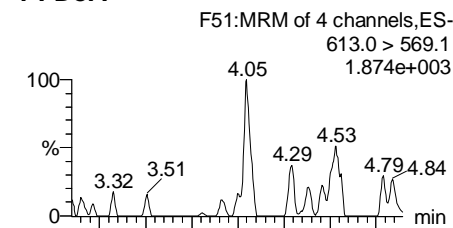
N-MeFOSAA



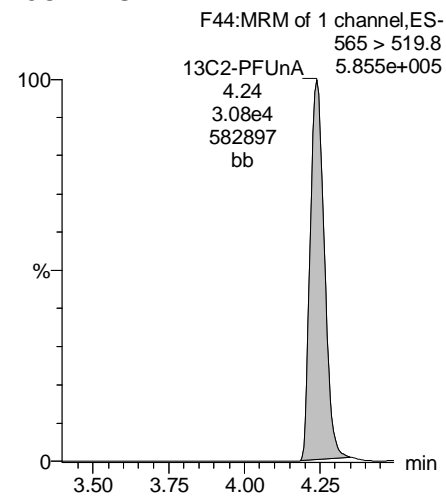
N-EtFOSAA



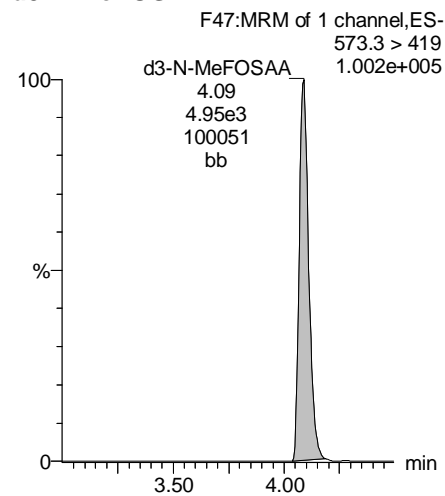
PFDoA



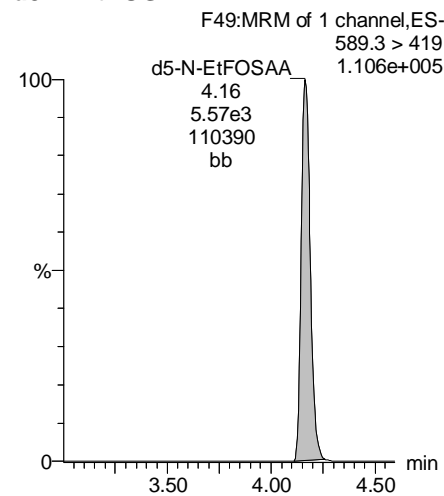
13C2-PFUnA



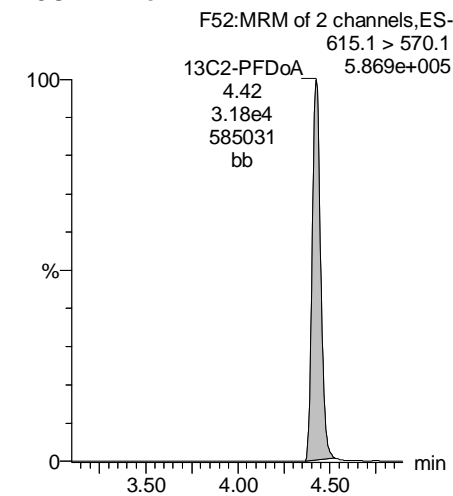
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

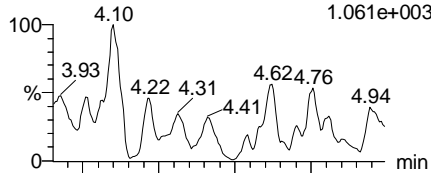
Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

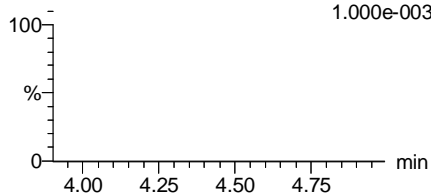
Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
1.061e+003

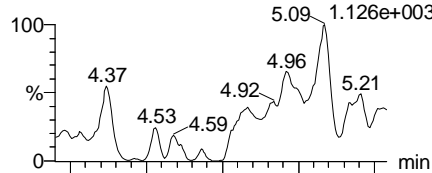


F57:MRM of 2 channels,ES-
662.9 > 319
1.000e-003

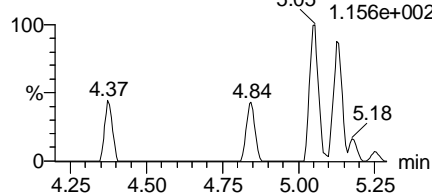


PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
1.126e+003

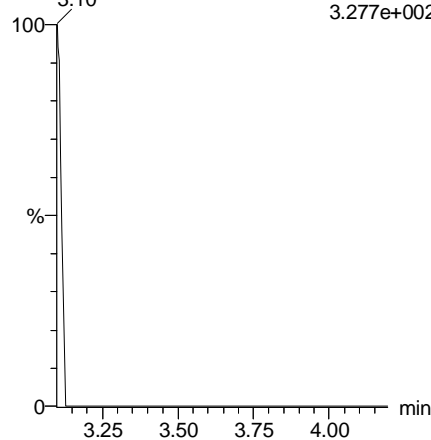


F58:MRM of 4 channels,ES-
712.9 > 369
1.156e+002



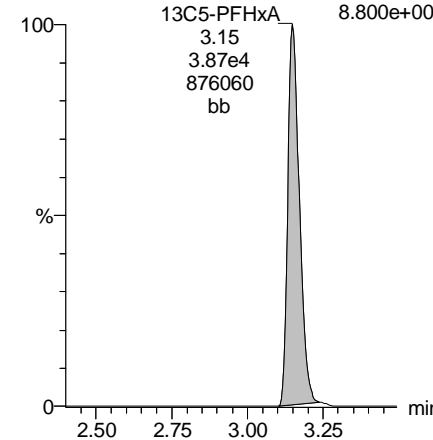
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
3.277e+002



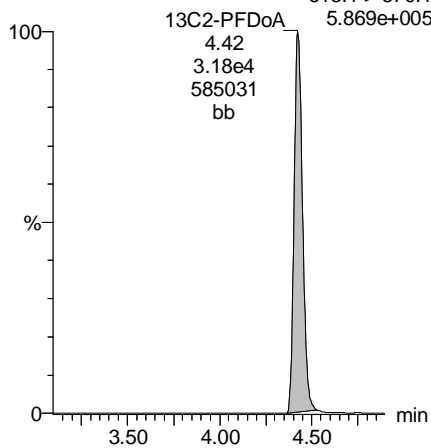
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
8.800e+005



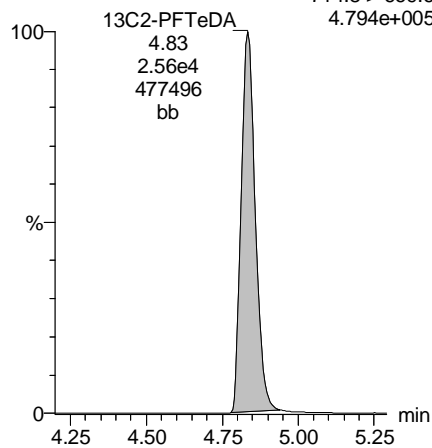
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
5.869e+005



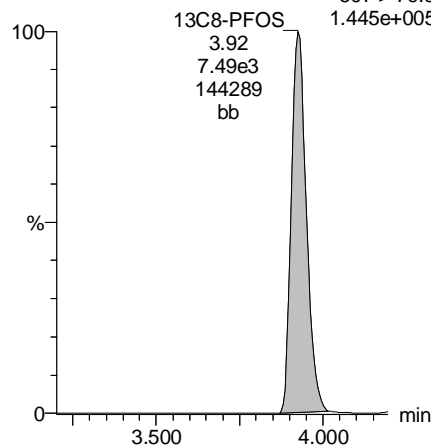
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
4.794e+005



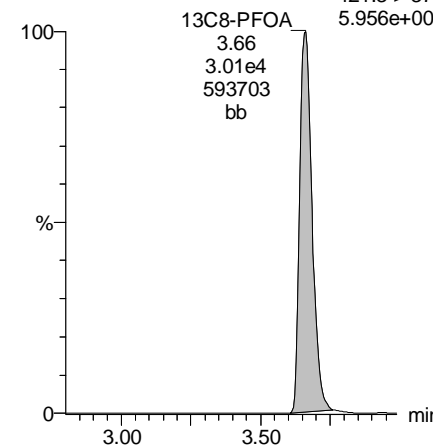
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.445e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
5.956e+005



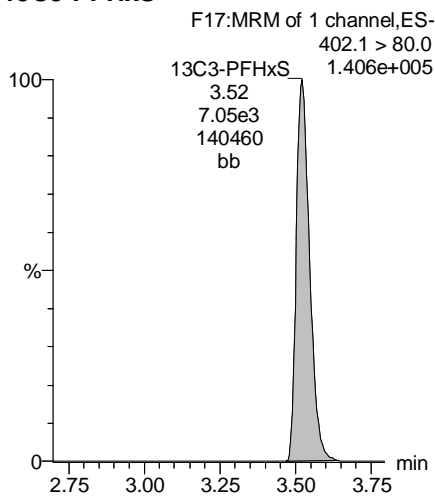
Dataset: U:\Q4.PRO\results\171003M2\171003M2-56.qld

Last Altered: Tuesday, October 31, 2017 11:39:23 Pacific Daylight Time

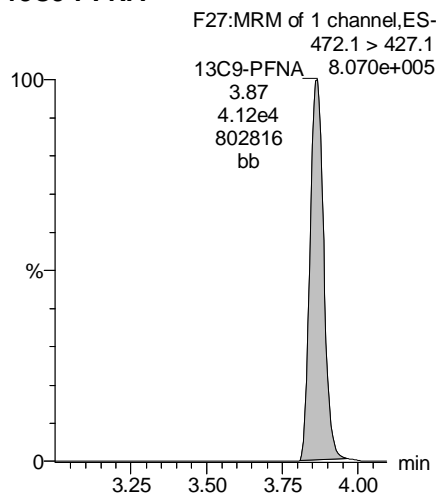
Printed: Tuesday, October 31, 2017 11:40:36 Pacific Daylight Time

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

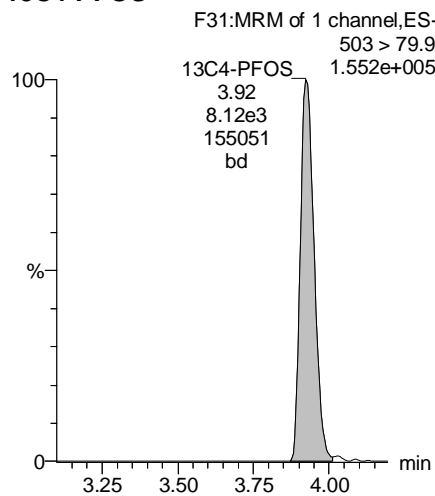
13C3-PFHxS



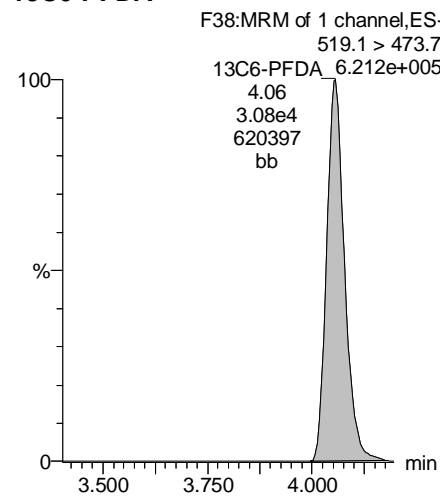
13C9-PFNA



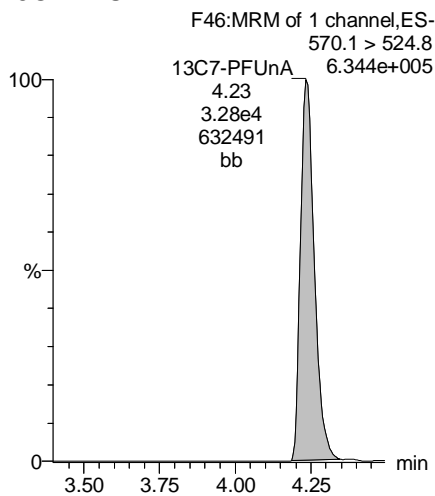
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	5.81e3	8.55e3	0.1138		3.25	2.89	8.49	71.402	
2	4 PFHxA	313.2 > 268.9	2.71e4	1.02e4	0.1138		3.46	3.15	13.3	74.750	
3	5 PFHpA	363.1 > 319.1	3.07e4	3.99e4	0.1138		3.72	3.44	9.62	84.954	
4	6 L-PFHxS	399.0 > 80.0	5.02e3	3.24e3	0.1138		3.79	3.52	19.4	71.646	
5	9 L-PFOA	413 > 368.7	2.48e4	3.36e4	0.1138		3.93	3.66	9.22	78.445	
6	12 PFNA	463.1 > 419.1	2.13e4	2.99e4	0.1138		4.13	3.86	8.90	70.769	
7	14 L-PFOS	499 > 79.9	6.67e3	8.04e3	0.1138		4.19	3.92	10.4	72.849	
8	16 PFDA	513 > 468.8	2.61e4	2.57e4	0.1138		4.32	4.05	12.7	78.936	
9	18 N-MeFOSAA	570.1 > 419	5.76e3	5.13e3	0.1138		4.32	4.09	182	80.648	
10	19 N-EtFOSAA	584.2 > 419	4.87e3	5.89e3	0.1138		4.42	4.17	134	75.934	
11	20 PFUnA	562.9 > 518.9	2.01e4	3.08e4	0.1138		4.52	4.24	8.14	70.563	
12	22 PFDoA	613.0 > 569.1	2.51e4	3.34e4	0.1138		4.72	4.42	9.40	74.566	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24	PFTeDA	662.9 > 618.9	3.08e4	3.34e4	0.1138		4.93	4.62	11.5	73.583
2	25	PFTeDA	712.9 > 668.8	2.23e4	2.66e4	0.1138		5.15	4.84	10.5	71.624
3	31	13C3-PFBA	216.1 > 172.1			0.1138		2.14			
4	32	13C3-PFPeA	266.1 > 222.1		3.38e4	0.1138	0.231	3.09			
5	33	13C3-PFBS	302.1 > 79.9	8.55e3	3.38e4	0.1138	0.051	3.25	2.89	1.27	219.491
6	34	13C2-PFHxA	315 > 269.8	1.02e4	3.38e4	0.1138	0.275	3.46	3.15	1.51	48.235
7	35	13C4-PFHpA	367 > 322.1	3.99e4	3.38e4	0.1138	0.558	3.72	3.44	5.90	92.932
8	36	18O2-PFHxS	403 > 103.0	3.24e3	7.72e3	0.1138	0.490	3.79	3.52	5.25	94.101
9	37	13C2-6:2 FTS	429.1 > 408.9	4.30e3	3.02e4	0.1138	0.146	3.92	3.65	1.78	106.932
10	38	13C2-PFOA	414.9 > 369.7	3.36e4	3.02e4	0.1138	1.152	3.93	3.66	13.9	105.888
11	39	13C5-PFNA	468.1 > 423.1	2.99e4	4.14e4	0.1138	0.857	4.13	3.86	9.01	92.309
12	40	13C8-PFOSA	506.1 > 78.0	2.68e3	3.91e4	0.1138	0.136	4.14	3.87	0.857	55.226
13	41	13C8-PFOS	507 > 79.9	8.04e3	8.44e3	0.1138	0.990	4.19	3.92	11.9	105.746
14	42	13C2-PFDA	515.1 > 469.9	2.57e4	3.31e4	0.1138	0.882	4.32	4.05	9.70	96.675
15	43	13C2-8:2 FTS	529.1 > 508.7	3.23e3	3.31e4	0.1138	0.105	4.31	4.04	1.22	102.188
16	44	d3-N-MeFOSAA	573.3 > 419	5.13e3	3.91e4	0.1138	0.015	4.35	4.09	1.64	989.872
17	45	d5-N-EtFOSAA	589.3 > 419	5.89e3	3.91e4	0.1138	0.015	4.42	4.17	1.89	1082.864
18	46	13C2-PFUnA	565 > 519.8	3.08e4	3.91e4	0.1138	0.943	4.52	4.24	9.85	91.807
19	47	13C2-PFDoA	615.1 > 570.1	3.34e4	3.91e4	0.1138	0.951	4.72	4.42	10.7	98.607
20	49	13C2-PFTeDA	714.8 > 669.6	2.66e4	3.91e4	0.1138	0.728	5.15	4.83	8.50	102.618
21	54	13C4-PFBA	217.1 > 172.1			0.1138		2.14			
22	55	13C5-PFHxA	318 > 272.9	3.38e4	3.38e4	0.1138	1.000	3.46	3.15	5.00	43.937
23	56	13C3-PFHxS	402.1 > 80.0	7.72e3	7.72e3	0.1138	1.000	3.79	3.52	12.5	109.842
24	57	13C8-PFOA	421.3 > 376	3.02e4	3.02e4	0.1138	1.000	3.93	3.66	12.5	109.842
25	58	13C9-PFNA	472.1 > 427.1	4.14e4	4.14e4	0.1138	1.000	4.13	3.86	12.5	109.842
26	59	13C4-PFOS	503 > 79.9	8.44e3	8.44e3	0.1138	1.000	4.19	3.92	12.5	109.842
27	60	13C6-PFDA	519.1 > 473.7	3.31e4	3.31e4	0.1138	1.000	4.32	4.05	12.5	109.842
28	61	13C7-PFUnA	570.1 > 524.8	3.91e4	3.91e4	0.1138	1.000	4.52	4.24	12.5	109.842
29	62	Total PFHxS	399.0 > 80.0	5.02e3	3.24e3	0.1138		3.79		19.4	71.646
30	63	Total PFOA	413 > 368.7	2.48e4	3.36e4	0.1138		3.93		9.22	78.445
31	64	Total PFOS	499 > 79.9	6.67e3	8.04e3	0.1138		4.19		10.4	72.849
32	65	Total N-MeFOSAA	570.1 > 419	5.76e3	5.13e3	0.1138		4.35		182	80.648

Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	4.87e3	5.89e3	0.1138		4.42		134	75.934	
34	68 Total PFOA+PFOS	499 > 79.9;41...	3.14e4		0.1138		0.00		19.6	151.294	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.52	5022.450	3240.046	19.376	MM	71.6

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	24766.904	33564.074	9.224	MM	78.4

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.92	6667.207	8043.927	10.361	MM	72.8

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	18 N-MeFOSAA	570.1 > 419	4.09	5762.048	5131.839	182.456	bb	80.6

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	19 N-EtFOSAA	584.2 > 419	4.17	4871.174	5894.350	134.292	bb	75.9

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	24766.904	33564.074	9.224	MM	78.4
2	14 L-PFOS	499 > 79.9	3.92	6667.207	8043.927	10.361	MM	72.8

Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

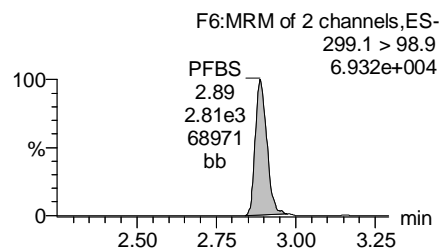
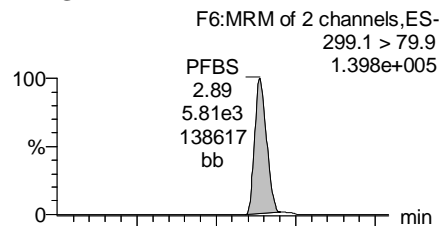
Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

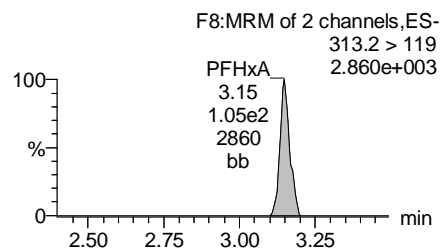
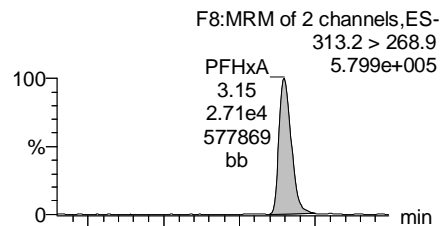
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

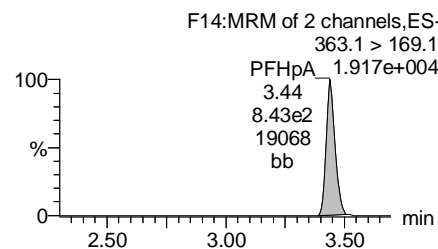
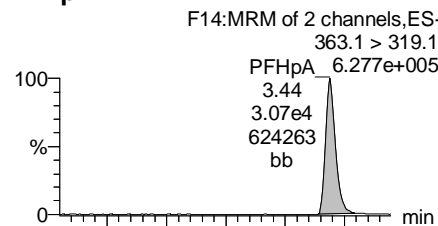
PFBS



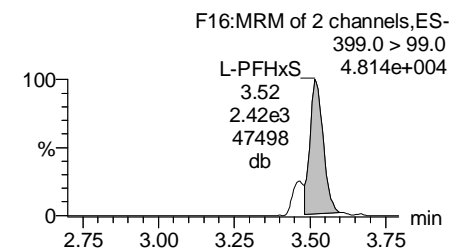
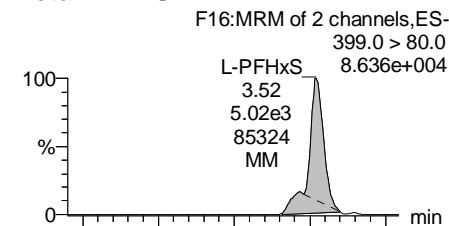
PFHxA



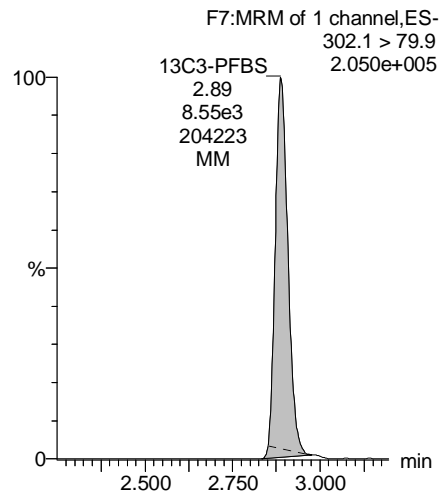
PFHpA



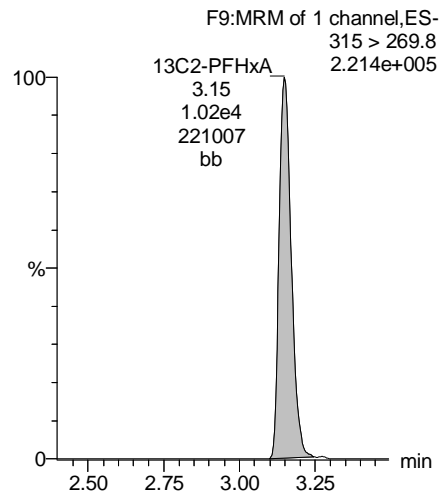
Total PFHxS



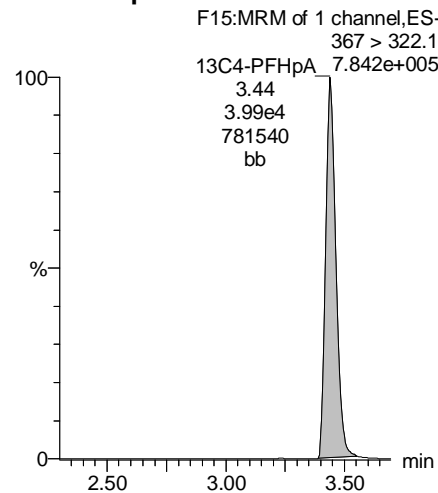
13C3-PFBS



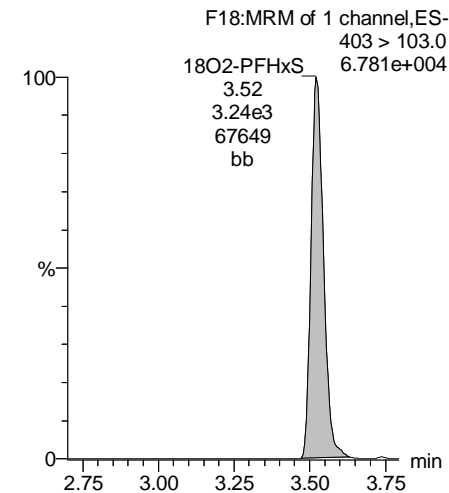
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



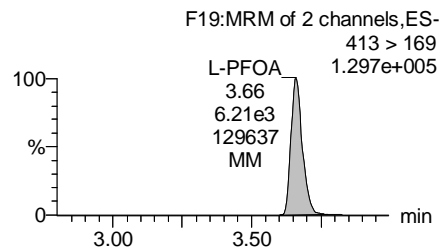
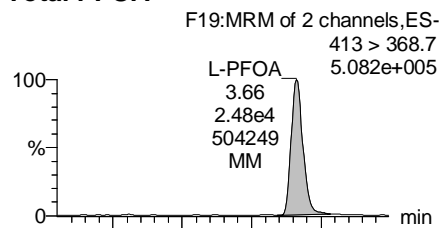
Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

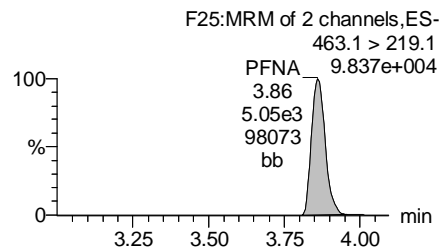
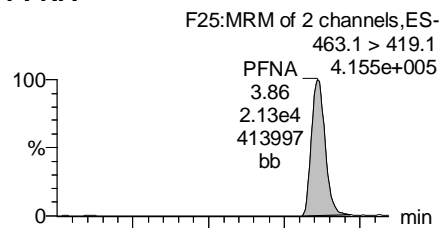
Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

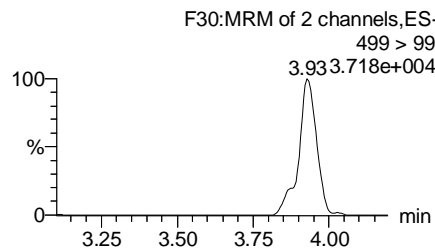
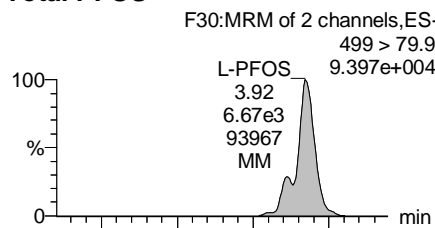
Total PFOA



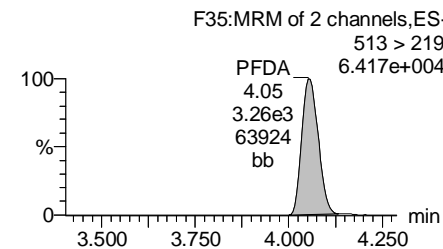
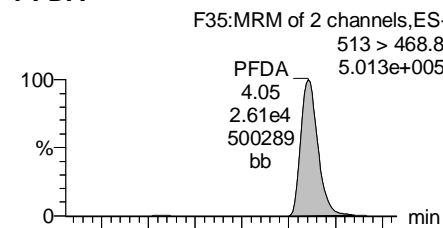
PFNA



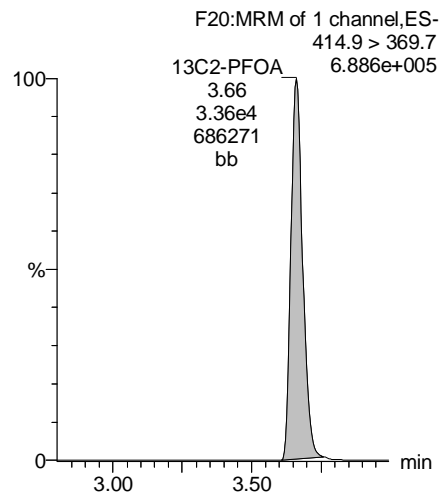
Total PFOS



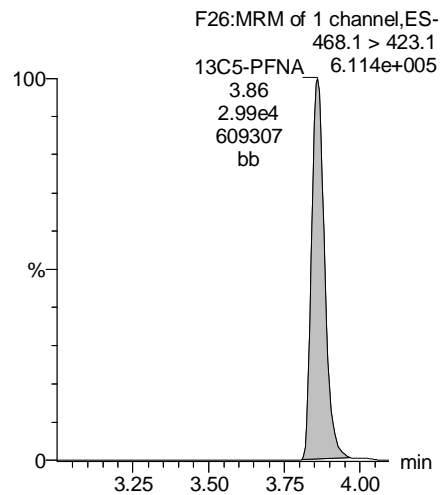
PFDA



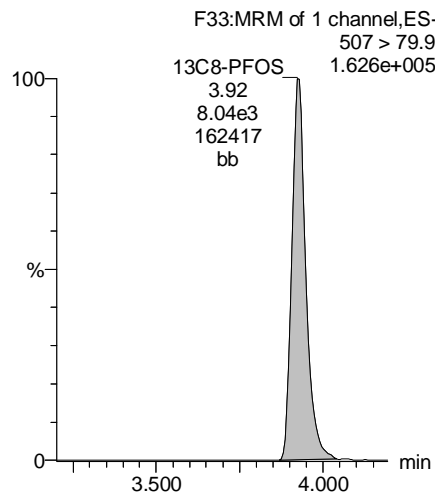
13C2-PFOA



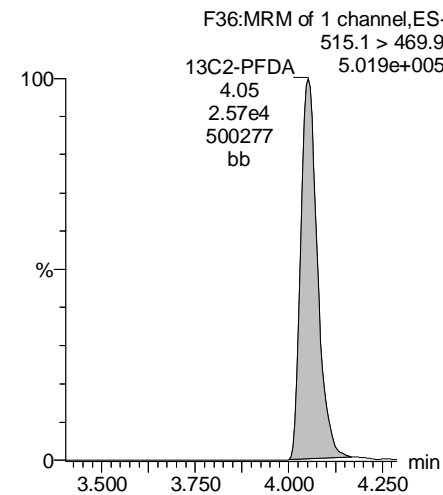
13C5-PFNA



13C8-PFOS



13C2-PFDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

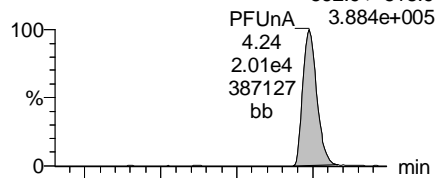
Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

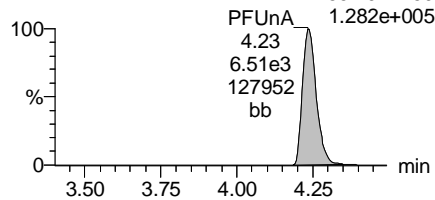
Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9

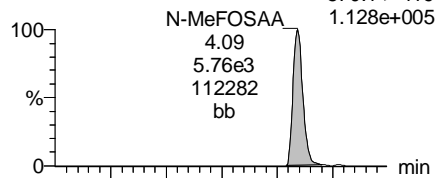


F43:MRM of 2 channels,ES-
562.9 > 269

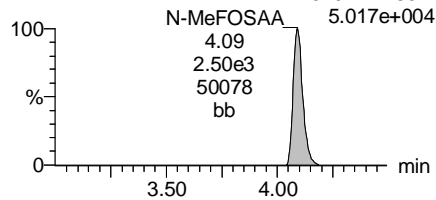


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419

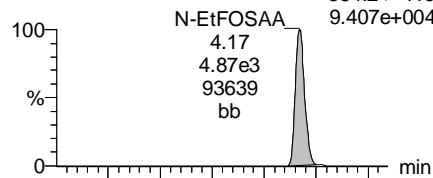


F45:MRM of 3 channels,ES-
570.1 > 483.1

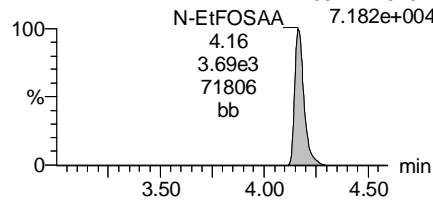


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419

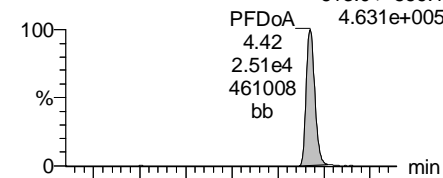


F48:MRM of 3 channels,ES-
584.1 > 526.1

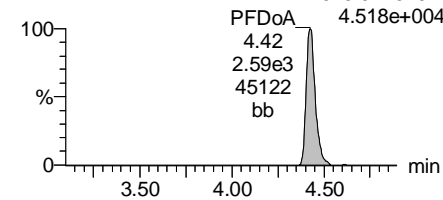


PFDaA

F51:MRM of 4 channels,ES-
613.0 > 569.1

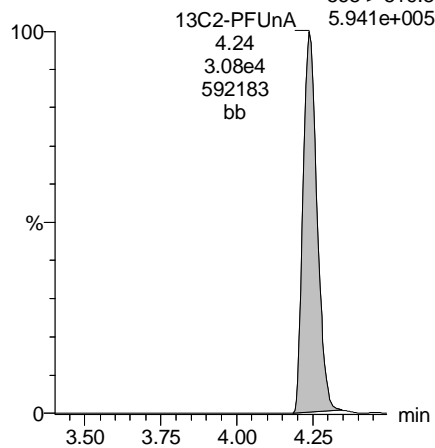


F51:MRM of 4 channels,ES-
613.0 > 319.1



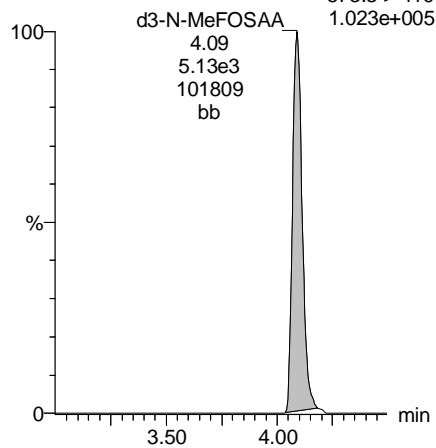
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8



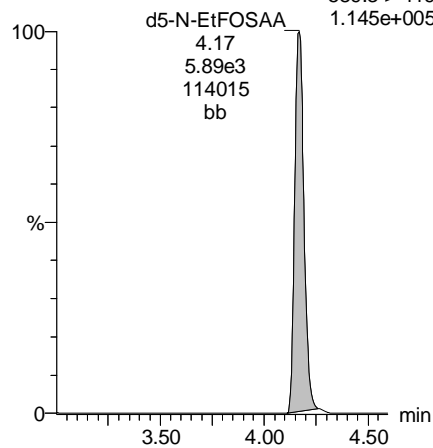
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419



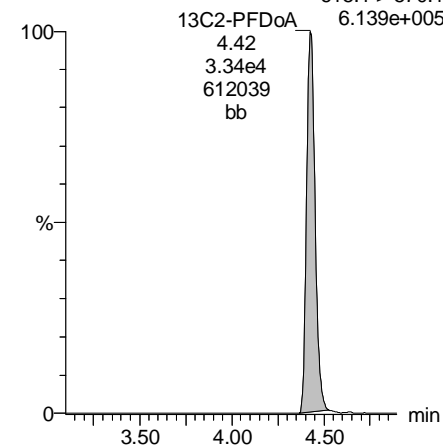
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419



13C2-PFDaA

F52:MRM of 2 channels,ES-
615.1 > 570.1



Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

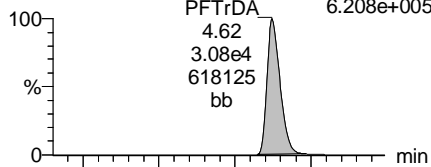
Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

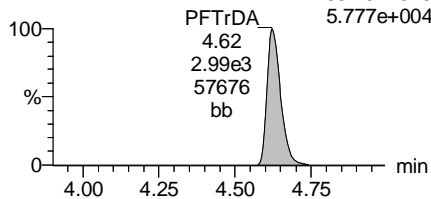
Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
6.208e+005

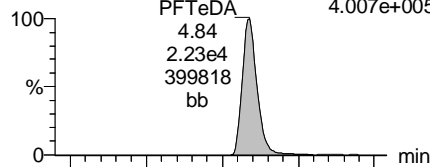


F57:MRM of 2 channels,ES-
662.9 > 319
5.777e+004

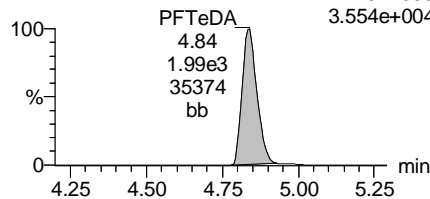


PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
4.007e+005

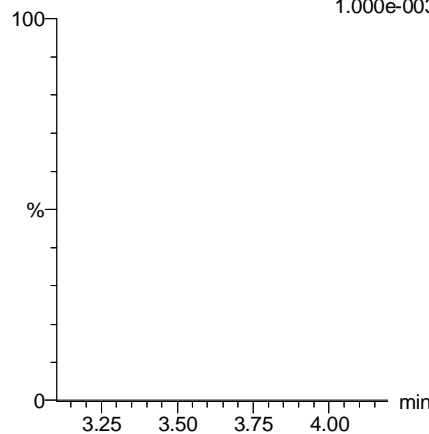


F58:MRM of 4 channels,ES-
712.9 > 369
3.554e+004



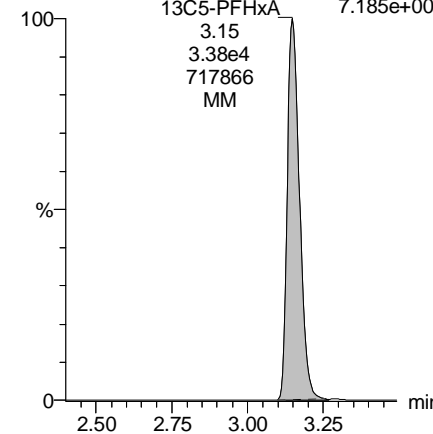
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



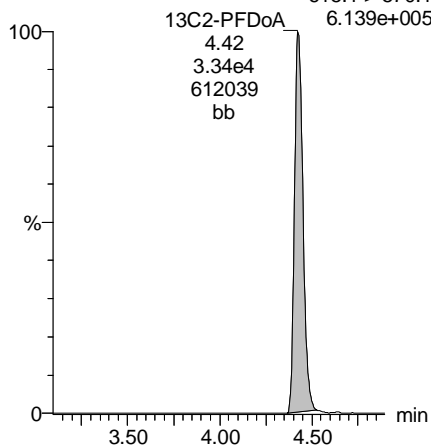
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
7.185e+005



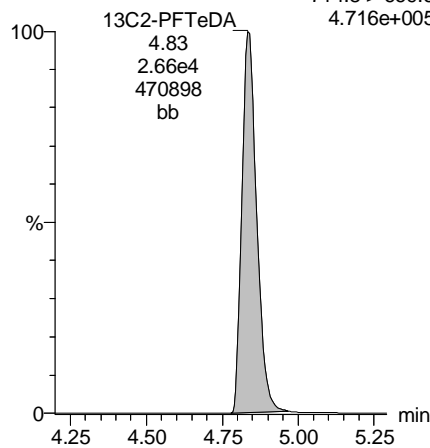
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
6.139e+005



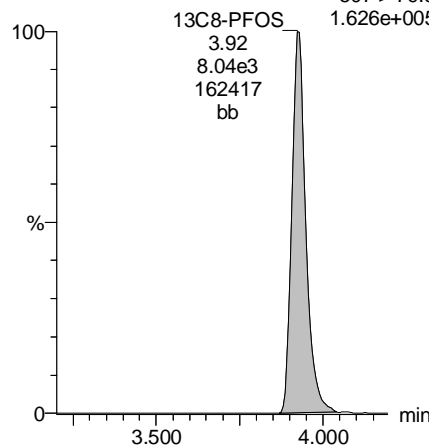
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
4.716e+005



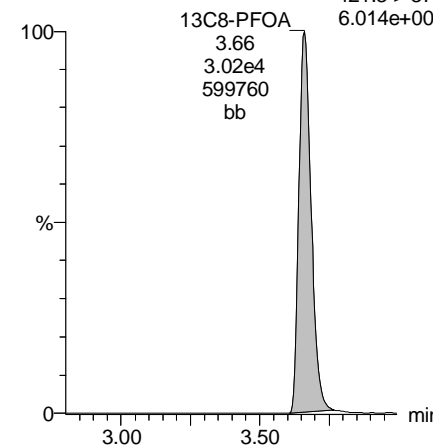
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.626e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
6.014e+005



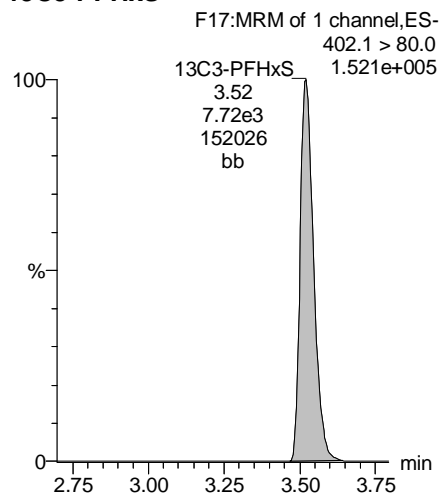
Dataset: U:\Q4.PRO\results\171003M2\171003M2-57.qld

Last Altered: Tuesday, October 31, 2017 11:43:23 Pacific Daylight Time

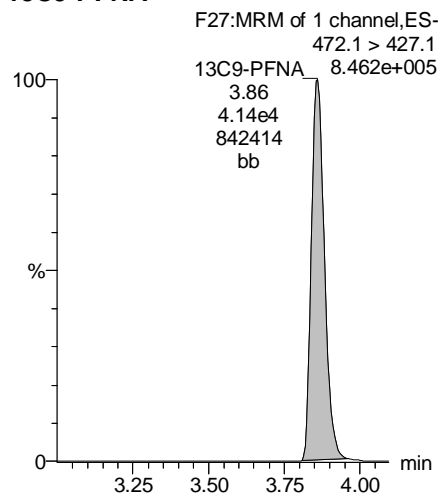
Printed: Tuesday, October 31, 2017 11:44:26 Pacific Daylight Time

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

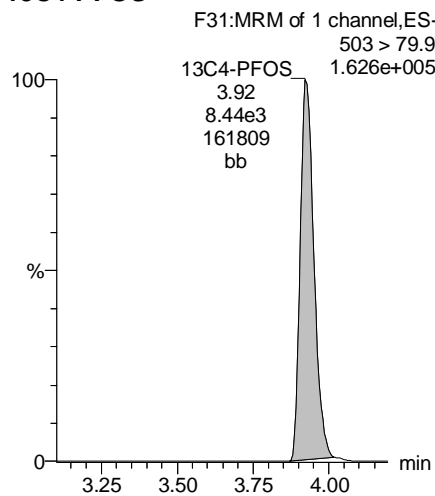
13C3-PFHxS



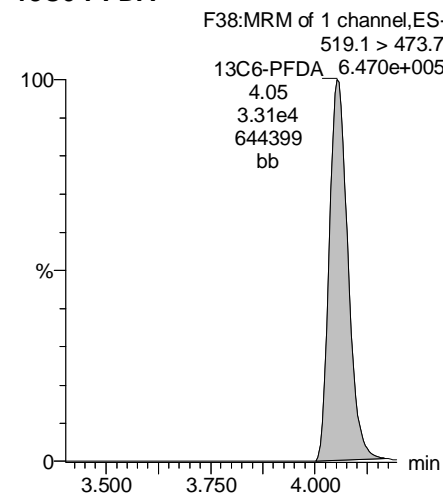
13C9-PFNA



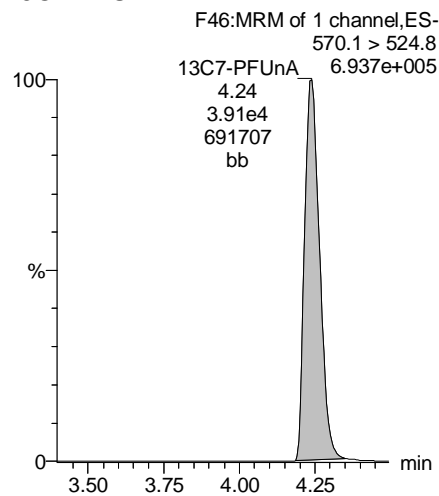
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:54:27 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	5.95e3	8.65e3	0.1202		3.25	2.89	8.60	68.473	
2	4 PFHxA	313.2 > 268.9	3.27e4	1.17e4	0.1202		3.46	3.15	14.0	74.690	
3	5 PFHpA	363.1 > 319.1	3.41e4	4.53e4	0.1202		3.72	3.44	9.40	78.648	
4	6 L-PFHxS	399.0 > 80.0	4.53e3	3.81e3	0.1202		3.79	3.53	14.9	52.074	
5	9 L-PFOA	413 > 368.7	2.71e4	3.50e4	0.1202		3.93	3.66	9.69	78.177	
6	12 PFNA	463.1 > 419.1	2.36e4	2.88e4	0.1202		4.13	3.86	10.3	77.394	
7	14 L-PFOS	499 > 79.9	6.05e3	7.82e3	0.1202		4.19	3.93	9.67	64.357	
8	16 PFDA	513 > 468.8	2.39e4	2.25e4	0.1202		4.32	4.06	13.3	78.184	
9	18 N-MeFOSAA	570.1 > 419	5.74e3	5.26e3	0.1202		4.32	4.09	177	74.264	
10	19 N-EtFOSAA	584.2 > 419	4.68e3	6.13e3	0.1202		4.42	4.17	124	66.411	
11	20 PFUnA	562.9 > 518.9	2.01e4	3.08e4	0.1202		4.52	4.24	8.16	67.006	
12	22 PFDoA	613.0 > 569.1	2.54e4	3.42e4	0.1202		4.72	4.43	9.29	69.770	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:54:47 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24	PFTrDA	662.9 > 618.9	3.19e4	3.42e4	0.1202	4.93	4.63	11.7	70.526	
2	25	PFTeDA	712.9 > 668.8	2.16e4	2.70e4	0.1202	5.15	4.84	10.0	64.822	
3	31	13C3-PFBA	216.1 > 172.1			0.1202	2.14				
4	32	13C3-PFPeA	266.1 > 222.1		4.31e4	0.1202	0.231	3.09			
5	33	13C3-PFBS	302.1 > 79.9	8.65e3	4.31e4	0.1202	0.051	3.25	2.89	1.00	164.890
6	34	13C2-PFHxA	315 > 269.8	1.17e4	4.31e4	0.1202	0.275	3.46	3.15	1.36	41.112
7	35	13C4-PFHpA	367 > 322.1	4.53e4	4.31e4	0.1202	0.558	3.72	3.44	5.25	78.302
8	36	18O2-PFHxS	403 > 103.0	3.81e3	7.23e3	0.1202	0.490	3.79	3.53	6.58	111.834
9	37	13C2-6:2 FTS	429.1 > 408.9	4.36e3	2.78e4	0.1202	0.146	3.92	3.65	1.96	111.390
10	38	13C2-PFOA	414.9 > 369.7	3.50e4	2.78e4	0.1202	1.152	3.93	3.67	15.7	113.432
11	39	13C5-PFNA	468.1 > 423.1	2.88e4	3.89e4	0.1202	0.857	4.13	3.86	9.24	89.631
12	40	13C8-PFOSA	506.1 > 78.0	2.52e3	4.31e4	0.1202	0.136	4.14	3.87	0.732	44.660
13	41	13C8-PFOS	507 > 79.9	7.82e3	8.29e3	0.1202	0.990	4.19	3.93	11.8	99.142
14	42	13C2-PFDA	515.1 > 469.9	2.25e4	3.38e4	0.1202	0.882	4.32	4.06	8.33	78.559
15	43	13C2-8:2 FTS	529.1 > 508.7	3.06e3	3.38e4	0.1202	0.105	4.31	4.05	1.13	89.860
16	44	d3-N-MeFOSAA	573.3 > 419	5.26e3	4.31e4	0.1202	0.015	4.35	4.09	1.53	871.785
17	45	d5-N-EtFOSAA	589.3 > 419	6.13e3	4.31e4	0.1202	0.015	4.42	4.17	1.78	967.937
18	46	13C2-PFUnA	565 > 519.8	3.08e4	4.31e4	0.1202	0.943	4.52	4.24	8.95	78.976
19	47	13C2-PFDoA	615.1 > 570.1	3.42e4	4.31e4	0.1202	0.951	4.72	4.42	9.92	86.811
20	49	13C2-PFTeDA	714.8 > 669.6	2.70e4	4.31e4	0.1202	0.728	5.15	4.84	7.83	89.495
21	54	13C4-PFBA	217.1 > 172.1			0.1202	2.14				
22	55	13C5-PFHxA	318 > 272.9	4.31e4	4.31e4	0.1202	1.000	3.46	3.15	5.00	41.611
23	56	13C3-PFHxS	402.1 > 80.0	7.23e3	7.23e3	0.1202	1.000	3.79	3.53	12.5	104.028
24	57	13C8-PFOA	421.3 > 376	2.78e4	2.78e4	0.1202	1.000	3.93	3.67	12.5	104.028
25	58	13C9-PFNA	472.1 > 427.1	3.89e4	3.89e4	0.1202	1.000	4.13	3.86	12.5	104.028
26	59	13C4-PFOS	503 > 79.9	8.29e3	8.29e3	0.1202	1.000	4.19	3.93	12.5	104.028
27	60	13C6-PFDA	519.1 > 473.7	3.38e4	3.38e4	0.1202	1.000	4.32	4.06	12.5	104.028
28	61	13C7-PFUnA	570.1 > 524.8	4.31e4	4.31e4	0.1202	1.000	4.52	4.24	12.5	104.028
29	62	Total PFHxS	399.0 > 80.0	4.53e3	3.81e3	0.1202		3.79		14.9	52.074
30	63	Total PFOA	413 > 368.7	2.71e4	3.50e4	0.1202		3.93		9.69	78.177
31	64	Total PFOS	499 > 79.9	6.05e3	7.82e3	0.1202		4.19		9.67	64.357
32	65	Total N-MeFOSAA	570.1 > 419	5.74e3	5.26e3	0.1202		4.35		177	74.264

Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:54:47 Pacific Daylight Time

Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	4.68e3	6.13e3	0.1202		4.42		124	66.411	
34	68 Total PFOA+PFOS	499 > 79.9;41...	3.32e4		0.1202		0.00		19.4	142.534	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:54:47 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.53	4532.187	3805.306	14.888	MM	52.1
2	7 Br-PFHxS	399.0 > 80.0			3805.306		MM-I	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	27109.830	34983.570	9.687	MM	78.2

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.93	6045.134	7817.328	9.666	MM	64.4

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	18 N-MeFOSAA	570.1 > 419	4.09	5741.620	5259.302	177.402	bb	74.3

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	19 N-EtFOSAA	584.2 > 419	4.17	4678.594	6131.034	124.004	bb	66.4

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	27109.830	34983.570	9.687	MM	78.2
2	14 L-PFOS	499 > 79.9	3.93	6045.134	7817.328	9.666	MM	64.4

Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

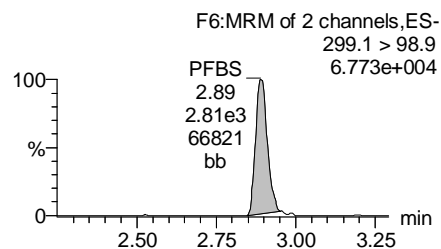
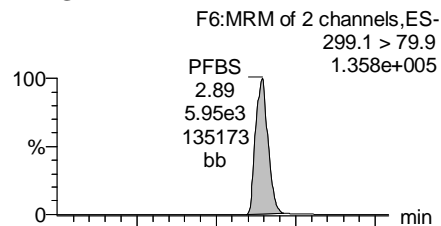
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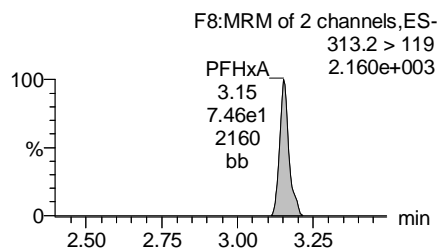
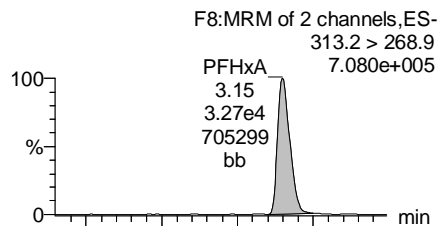
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Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

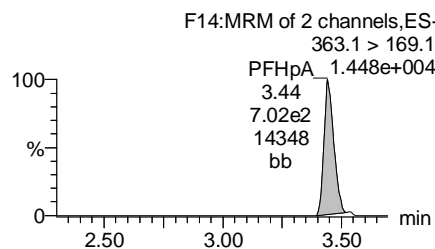
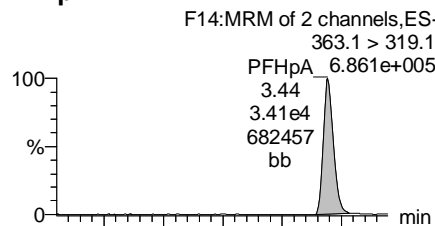
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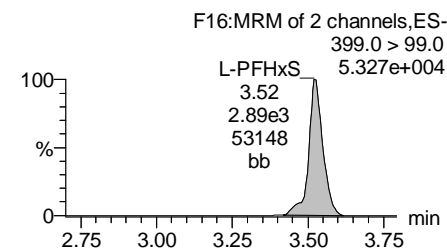
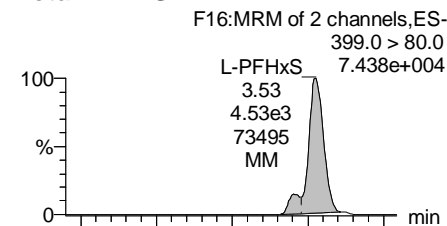
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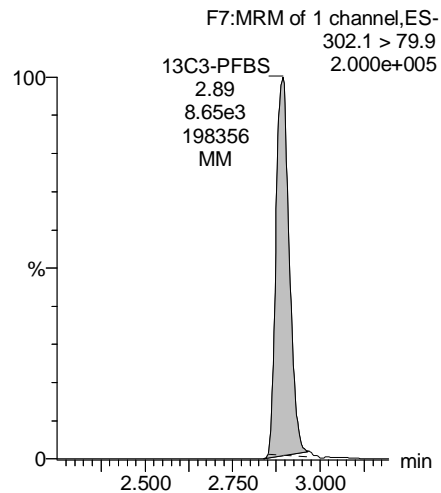
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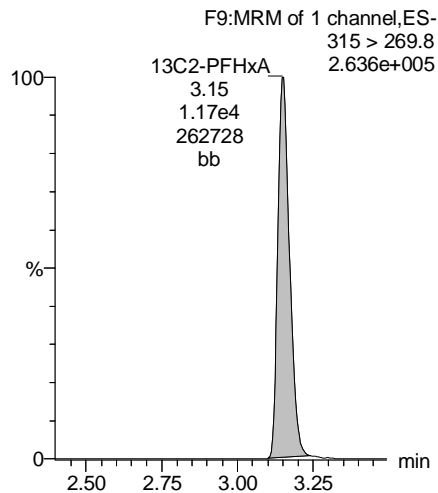
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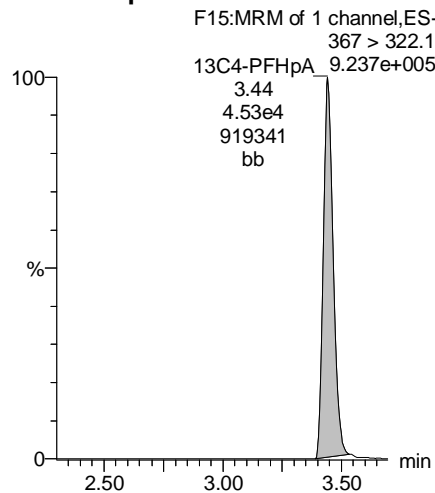
13C3-PFBS



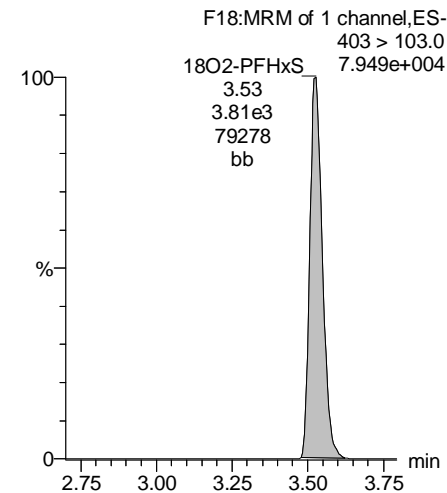
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



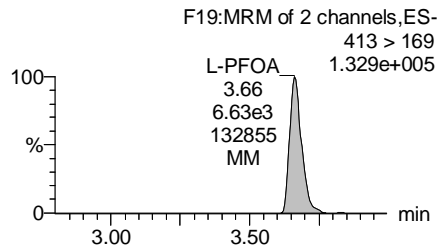
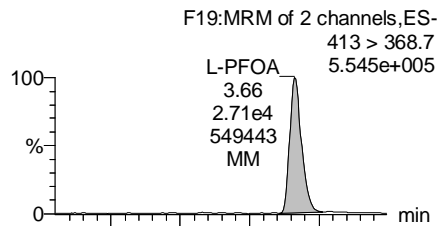
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Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

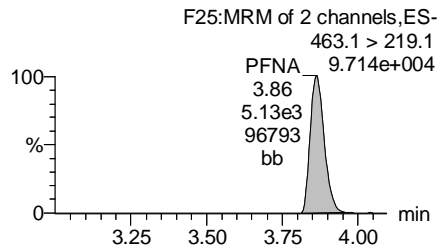
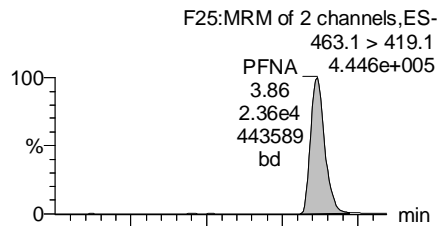
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Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

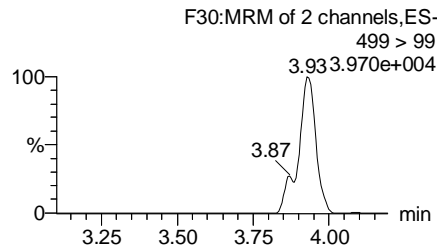
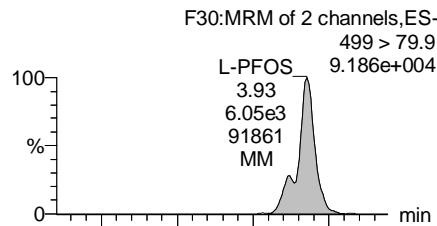
Total PFOA



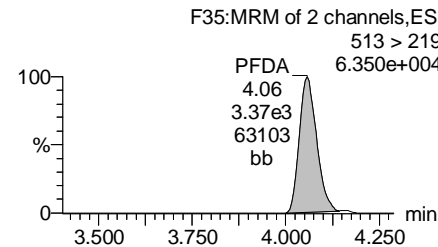
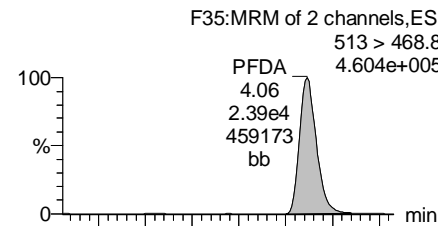
PFNA



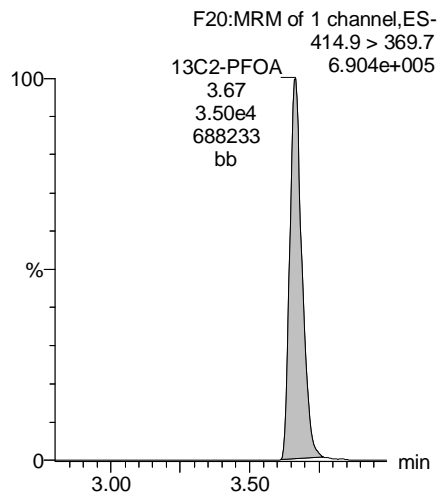
Total PFOS



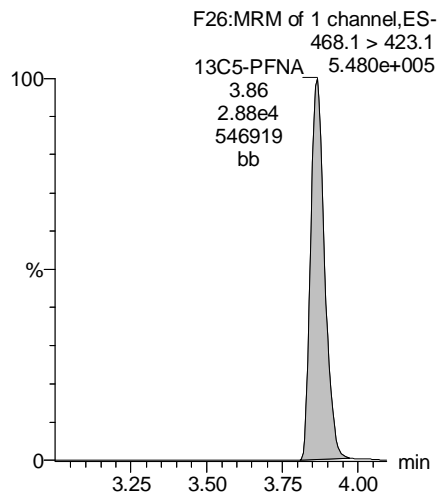
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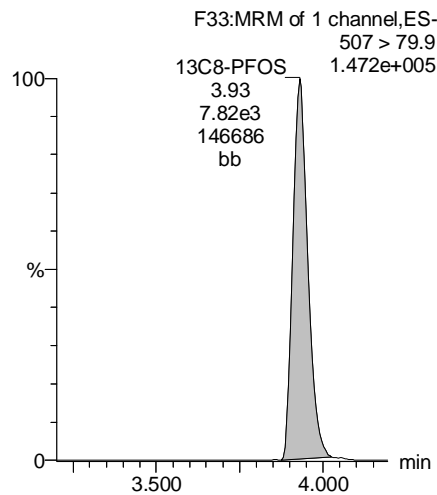
13C2-PFOA



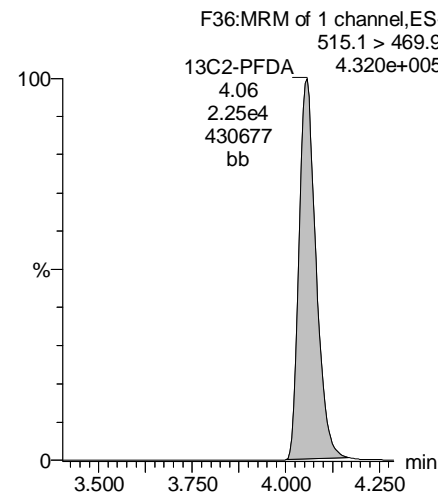
13C5-PFNA



13C8-PFOS



13C2-PFDA



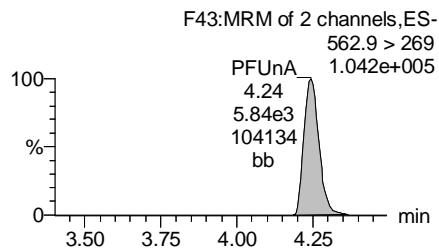
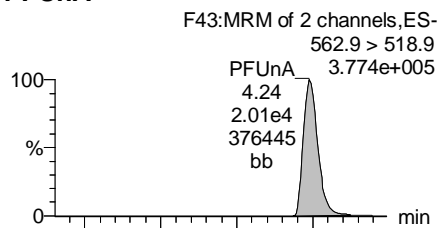
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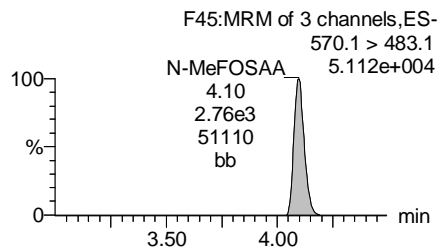
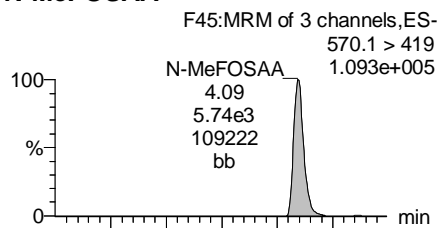
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Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

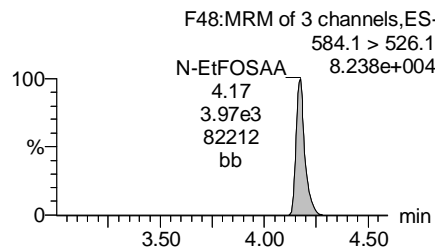
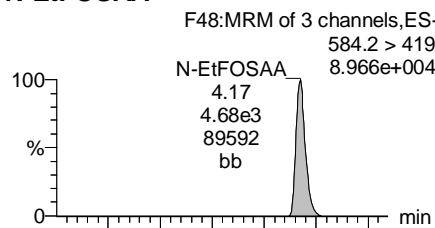
PFUnA



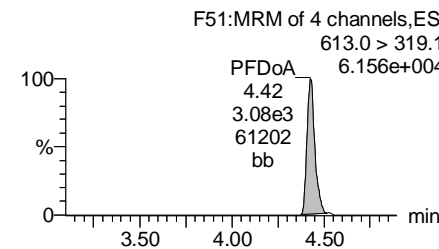
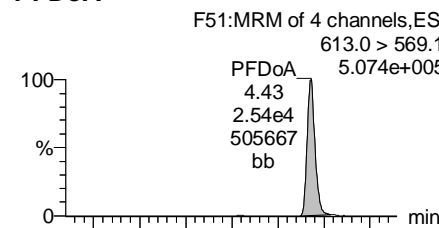
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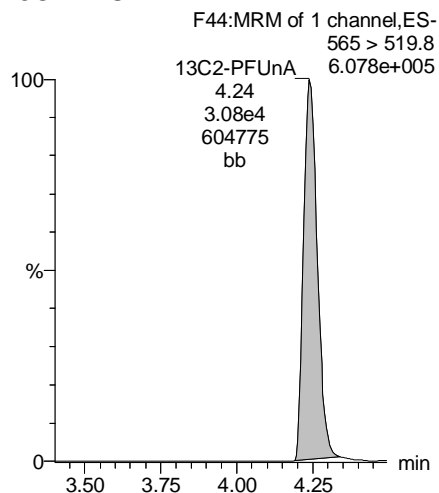
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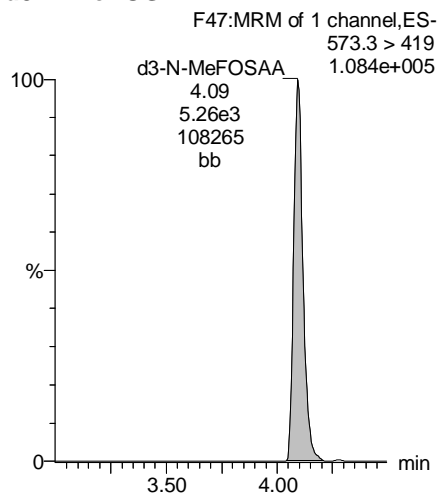
PFDaA



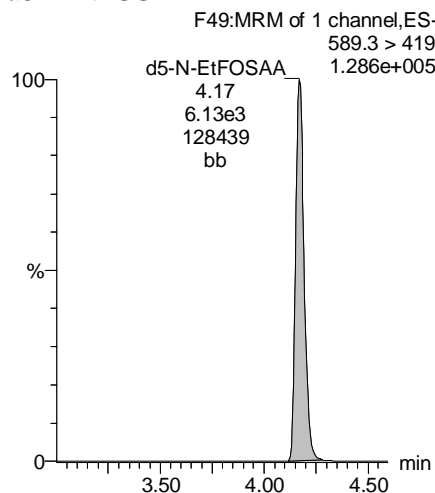
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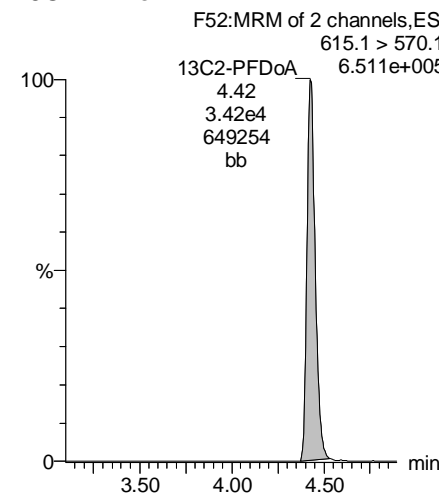
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDaA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

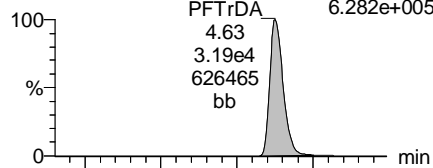
Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:54:47 Pacific Daylight Time

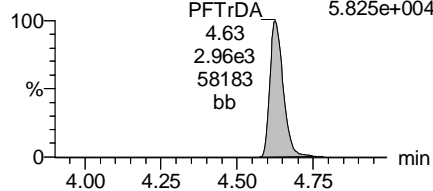
Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

PFTTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
6.282e+005

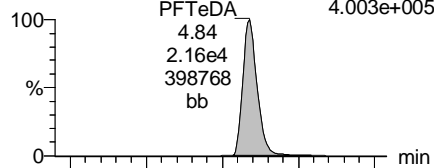


F57:MRM of 2 channels,ES-
662.9 > 319
5.825e+004

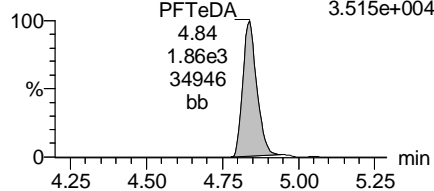


PFTTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
4.003e+005

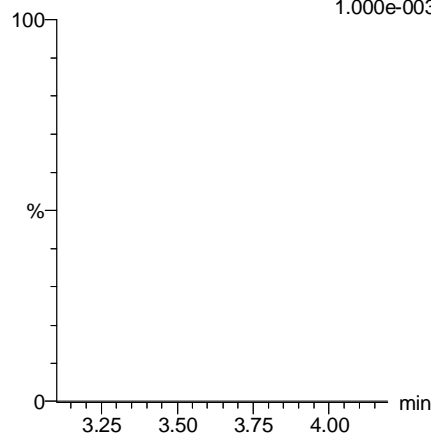


F58:MRM of 4 channels,ES-
712.9 > 369
3.515e+004



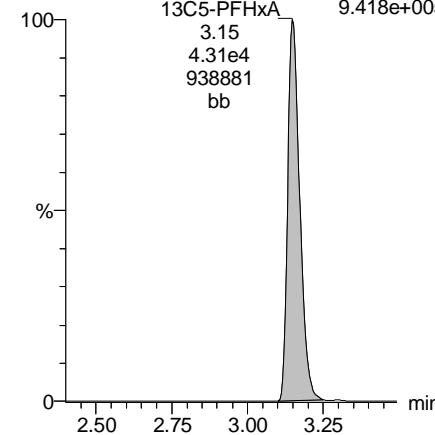
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



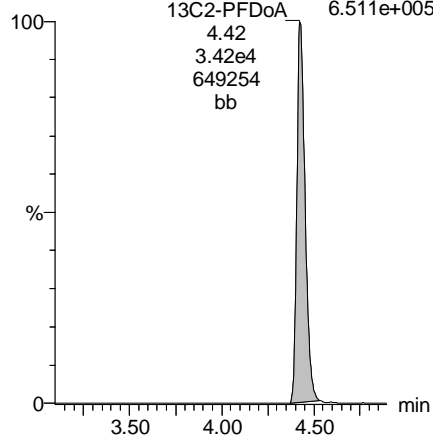
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
9.418e+005



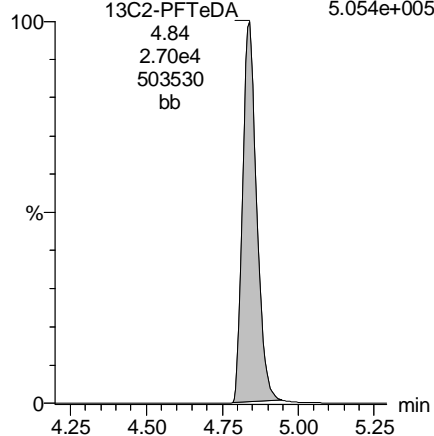
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
6.511e+005



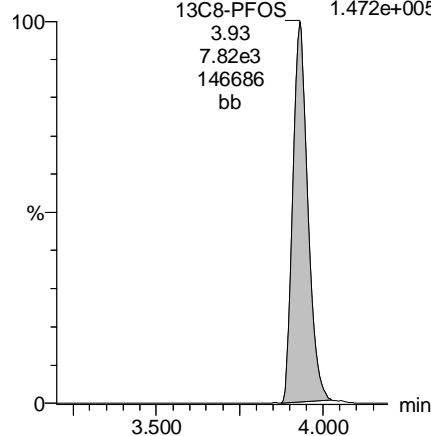
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
5.054e+005



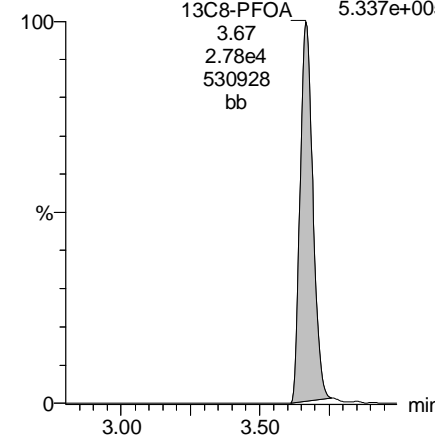
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.472e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
5.337e+005



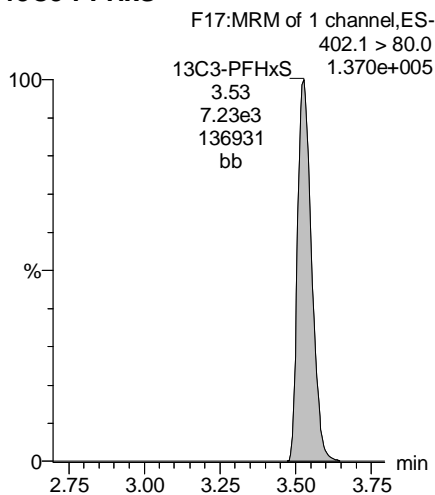
Dataset: U:\Q4.PRO\results\171003M2\171003M2-58.qld

Last Altered: Tuesday, October 31, 2017 11:52:57 Pacific Daylight Time

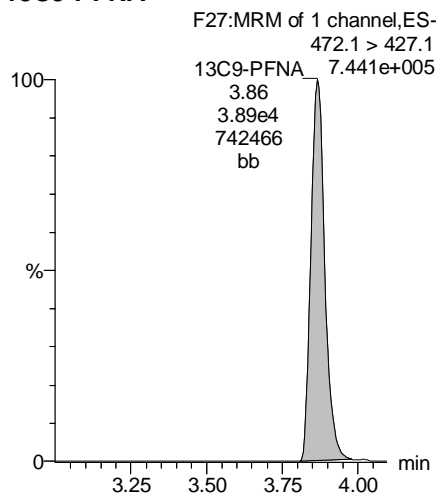
Printed: Tuesday, October 31, 2017 11:54:47 Pacific Daylight Time

Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

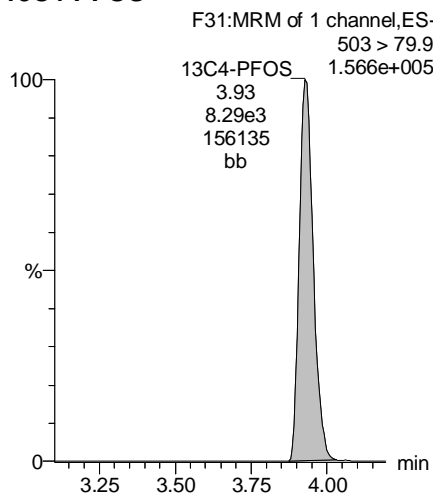
13C3-PFHxS



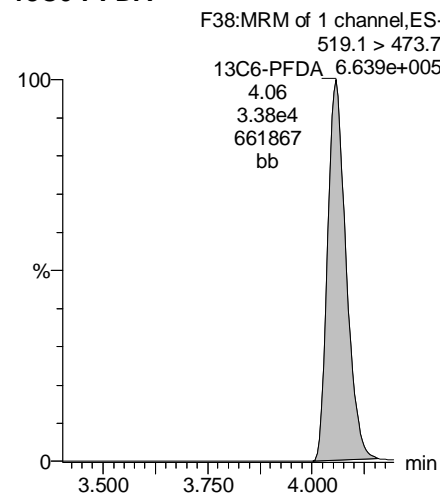
13C9-PFNA



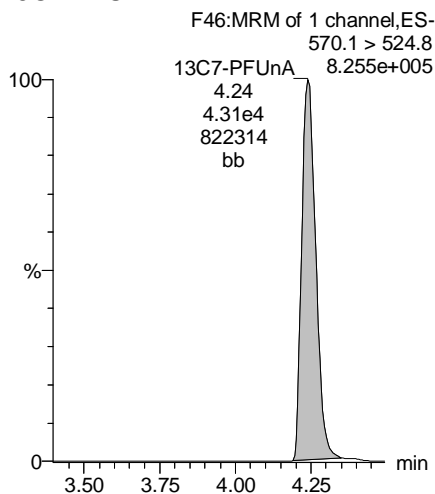
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:57:46 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	2.05e2	7.71e3	0.1066		3.25	2.90	0.332	2.780	
2	4 PFHxA	313.2 > 268.9		1.10e4	0.1066		3.46				
3	5 PFHpA	363.1 > 319.1		4.76e4	0.1066		3.72				
4	6 L-PFHxS	399.0 > 80.0	8.53e1	3.32e3	0.1066		3.79	3.52	0.321	0.969	
5	9 L-PFOA	413 > 368.7	5.90e2	3.42e4	0.1066		3.93	3.67	0.216		
6	12 PFNA	463.1 > 419.1		2.70e4	0.1066		4.13				
7	14 L-PFOS	499 > 79.9	4.03e1	7.65e3	0.1066		4.19	3.93	0.0658	0.678	
8	16 PFDA	513 > 468.8		2.13e4	0.1066		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.45e3	0.1066		4.32				
10	19 N-EtFOSAA	584.2 > 419		5.65e3	0.1066		4.42				
11	20 PFUnA	562.9 > 518.9		3.06e4	0.1066		4.52				
12	22 PFDoA	613.0 > 569.1		2.64e4	0.1066		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:58:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	2.64e4	0.1066		4.93					
2	25	PFTeDA	712.9 > 668.8	2.45e4	0.1066		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1066		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.36e4	0.1066	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	7.71e3	4.36e4	0.1066	0.051	3.25	2.90	0.883	163.529	139.5
6	34	13C2-PFHxA	315 > 269.8	1.10e4	4.36e4	0.1066	0.275	3.46	3.15	1.26	42.942	91.6
7	35	13C4-PFHpA	367 > 322.1	4.76e4	4.36e4	0.1066	0.558	3.72	3.44	5.45	91.615	78.1
8	36	18O2-PFHxS	403 > 103.0	3.32e3	7.83e3	0.1066	0.490	3.79	3.53	5.30	101.520	86.6
9	37	13C2-6:2 FTS	429.1 > 408.9	3.77e3	3.49e4	0.1066	0.146	3.92	3.65	1.35	86.806	74.0
10	38	13C2-PFOA	414.9 > 369.7	3.42e4	3.49e4	0.1066	1.152	3.93	3.67	12.3	99.963	85.3
11	39	13C5-PFNA	468.1 > 423.1	2.70e4	4.06e4	0.1066	0.857	4.13	3.86	8.31	90.899	77.5
12	40	13C8-PFOA	506.1 > 78.0	2.69e3	4.26e4	0.1066	0.136	4.14	3.87	0.788	54.162	46.2
13	41	13C8-PFOS	507 > 79.9	7.65e3	7.93e3	0.1066	0.990	4.19	3.92	12.0	114.161	97.4
14	42	13C2-PFDA	515.1 > 469.9	2.13e4	3.29e4	0.1066	0.882	4.32	4.06	8.10	86.127	73.5
15	43	13C2-8:2 FTS	529.1 > 508.7	2.67e3	3.29e4	0.1066	0.105	4.31	4.04	1.02	91.012	77.6
16	44	d3-N-MeFOSAA	573.3 > 419	5.45e3	4.26e4	0.1066	0.015	4.35	4.09	1.60	1029.282	67.5
17	45	d5-N-EtFOSAA	589.3 > 419	5.65e3	4.26e4	0.1066	0.015	4.42	4.17	1.66	1016.088	66.7
18	46	13C2-PFUnA	565 > 519.8	3.06e4	4.26e4	0.1066	0.943	4.52	4.24	8.97	89.272	76.1
19	47	13C2-PFDoA	615.1 > 570.1	2.64e4	4.26e4	0.1066	0.951	4.72	4.42	7.73	76.223	65.0
20	49	13C2-PFTeDA	714.8 > 669.6	2.45e4	4.26e4	0.1066	0.728	5.15	4.83	7.18	92.498	78.9
21	54	13C4-PFBA	217.1 > 172.1		0.1066		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.36e4	4.36e4	0.1066	1.000	3.46	3.15	5.00	46.896	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.83e3	7.83e3	0.1066	1.000	3.79	3.53	12.5	117.239	100.0
24	57	13C8-PFOA	421.3 > 376	3.49e4	3.49e4	0.1066	1.000	3.93	3.67	12.5	117.239	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.06e4	4.06e4	0.1066	1.000	4.13	3.86	12.5	117.239	100.0
26	59	13C4-PFOS	503 > 79.9	7.93e3	7.93e3	0.1066	1.000	4.19	3.93	12.5	117.239	100.0
27	60	13C6-PFDA	519.1 > 473.7	3.29e4	3.29e4	0.1066	1.000	4.32	4.05	12.5	117.239	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.26e4	4.26e4	0.1066	1.000	4.52	4.24	12.5	117.239	100.0
29	62	Total PFHxS	399.0 > 80.0	8.53e1	3.32e3	0.1066		3.79		0.321	0.969	
30	63	Total PFOA	413 > 368.7	5.90e2	3.42e4	0.1066		3.93		0.000		
31	64	Total PFOS	499 > 79.9	4.03e1	7.65e3	0.1066		4.19		0.0658	0.678	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.45e3	0.1066		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:58:12 Pacific Daylight Time

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	5.65e3	0.1066		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	6.31e2		0.1066		0.00		0.0658	0.678	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:58:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.52	85.315	3323.261	0.321	bb	1.0

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	590.352	34240.281	0.216	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.93	40.268	7648.642	0.066	MM	0.7

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	590.352	34240.281	0.216	MMI	
2	14 L-PFOS	499 > 79.9	3.93	40.268	7648.642	0.066	MM	0.7

Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

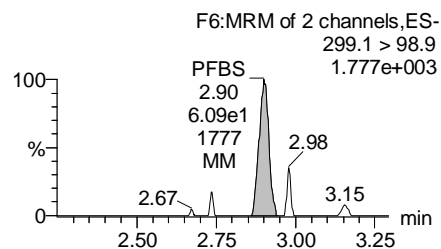
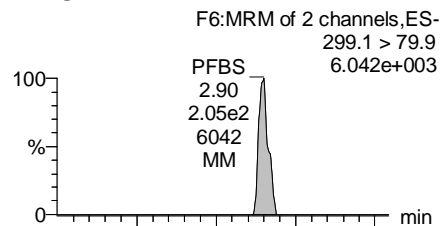
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

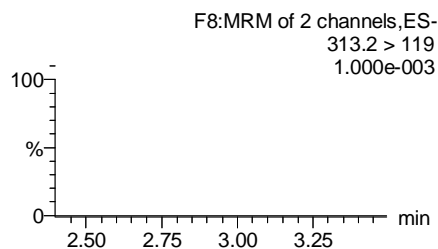
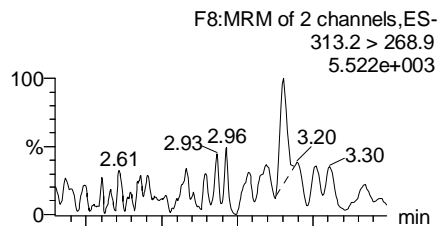
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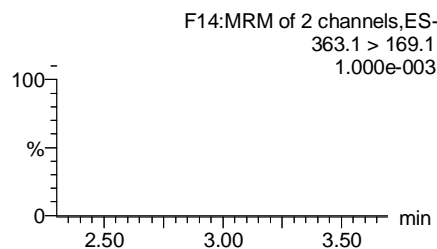
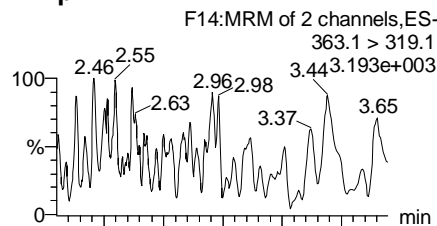
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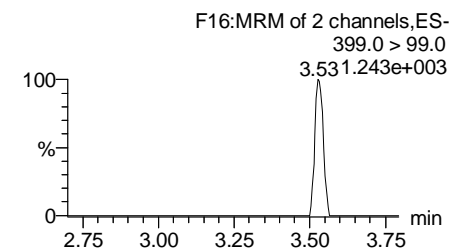
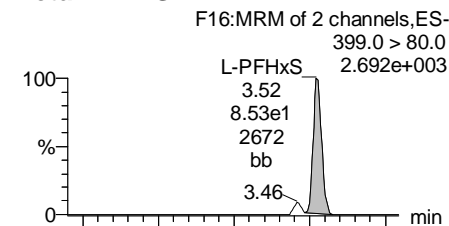
PFHxA



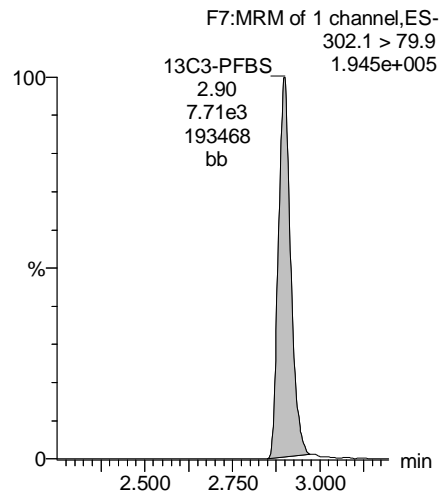
PFHpA



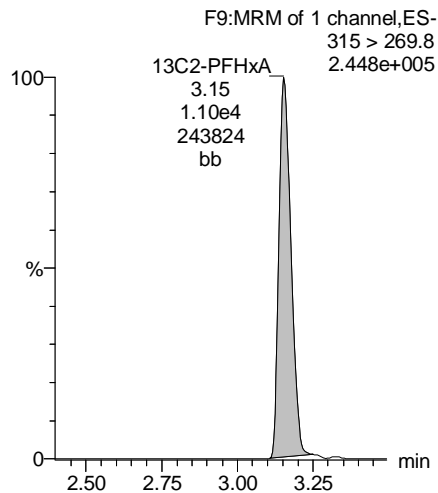
Total PFHxS



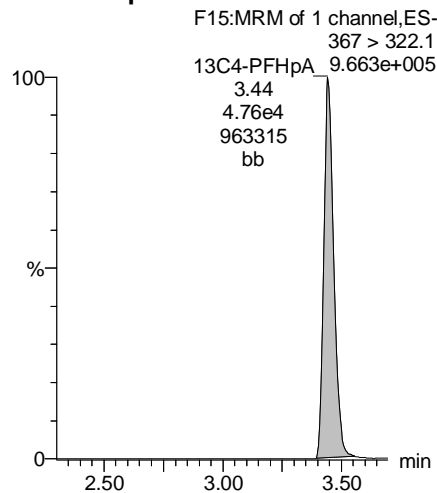
13C3-PFBS



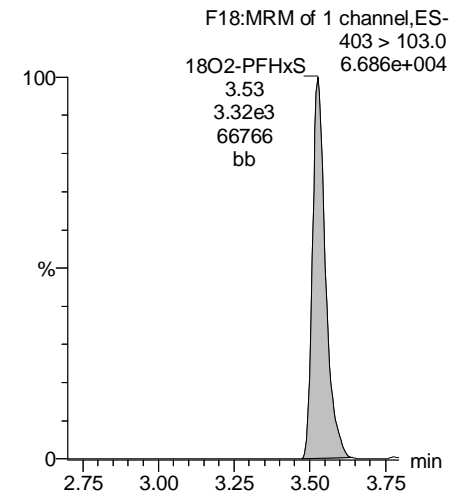
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-59.qld

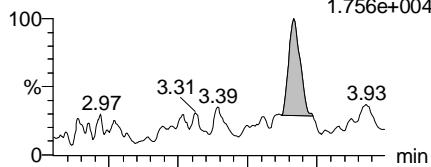
Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 11:58:12 Pacific Daylight Time

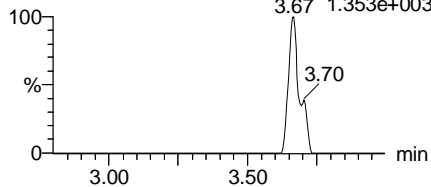
Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.756e+004

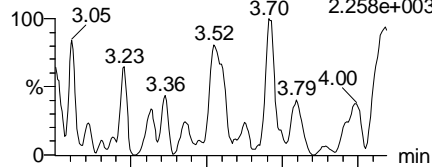


F19:MRM of 2 channels,ES-
413 > 169
1.353e+003

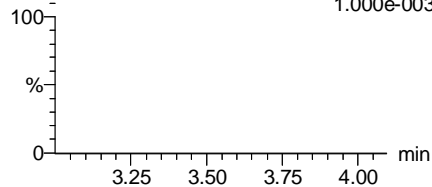


PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
2.258e+003

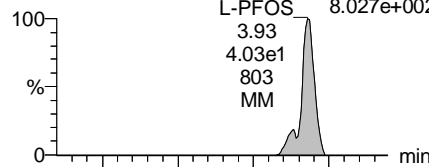


F25:MRM of 2 channels,ES-
463.1 > 219.1
1.000e-003

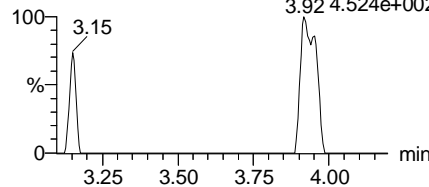


Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
8.027e+002

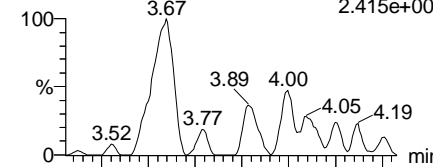


F30:MRM of 2 channels,ES-
499 > 99
4.524e+002

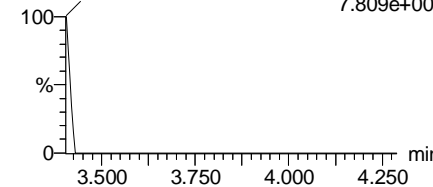


PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
2.415e+003

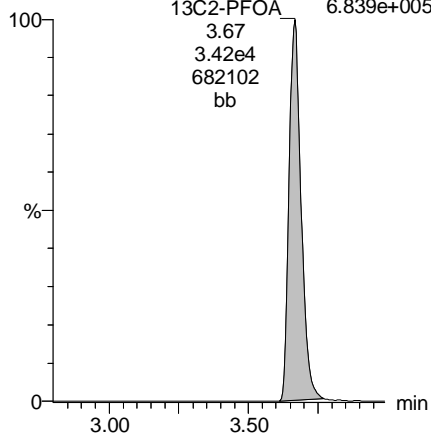


F35:MRM of 2 channels,ES-
513 > 219
7.809e+001



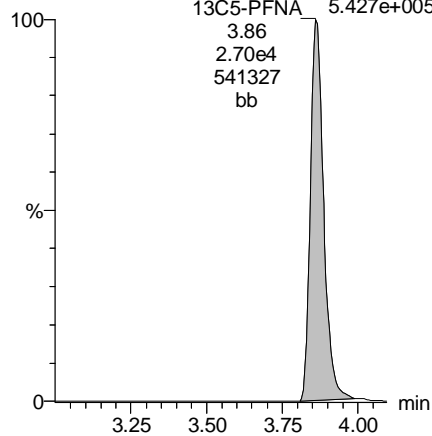
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
6.839e+005



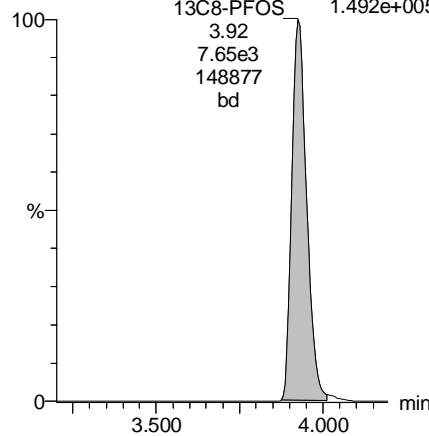
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
5.427e+005



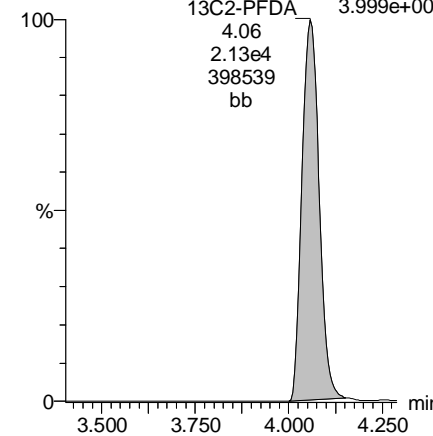
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.492e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
3.999e+005



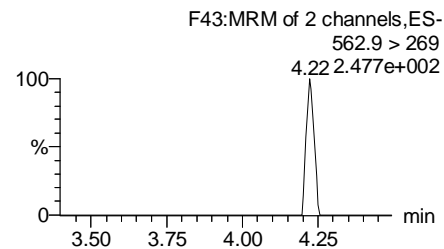
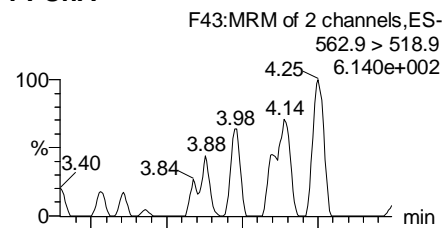
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Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

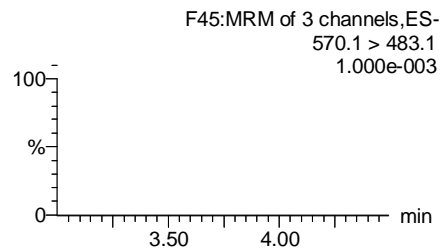
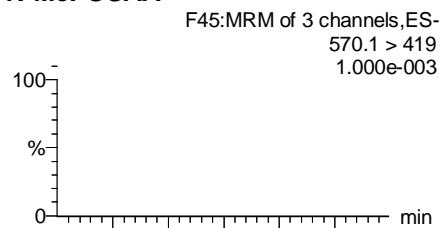
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Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

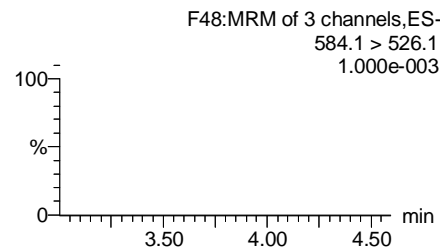
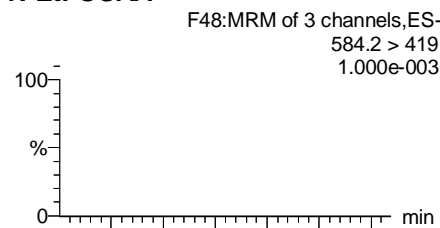
PFUnA



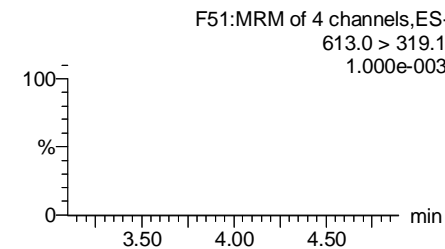
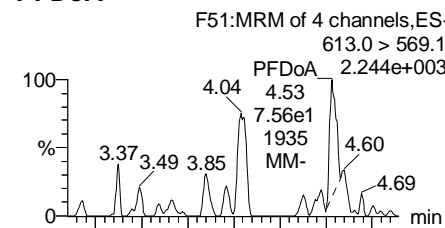
N-MeFOSAA



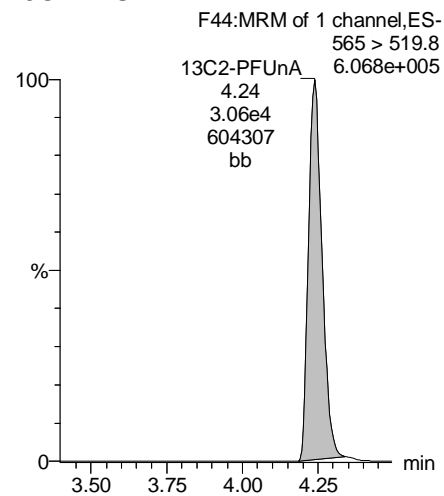
N-EtFOSAA



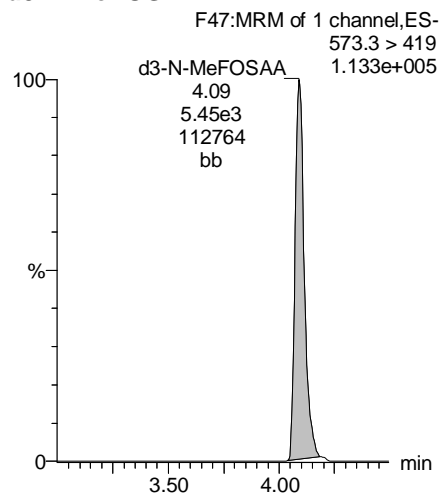
PFDoA



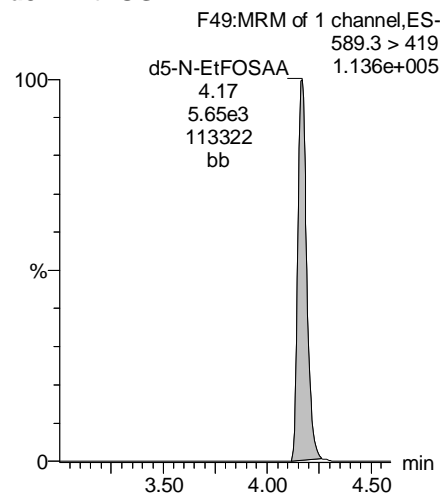
13C2-PFUnA



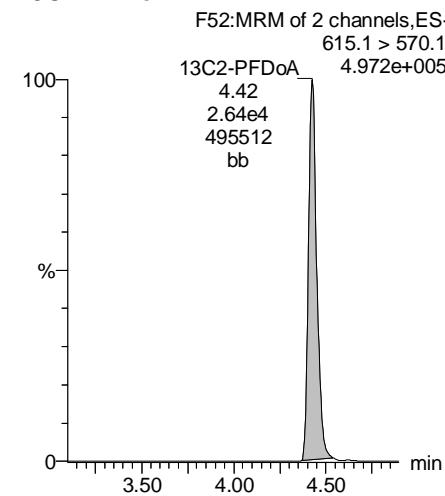
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



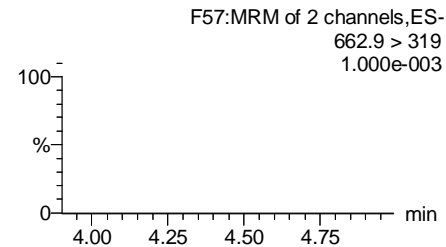
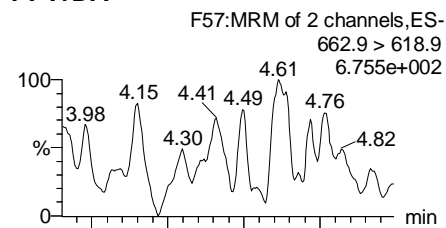
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Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

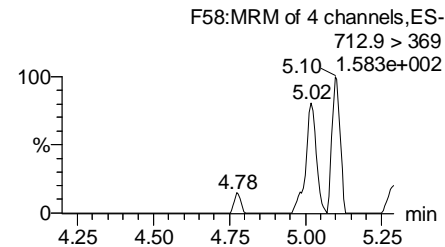
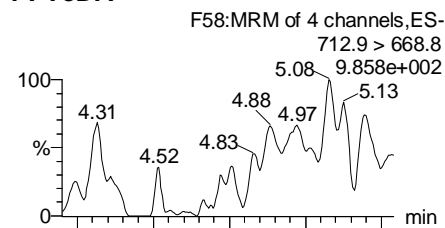
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Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

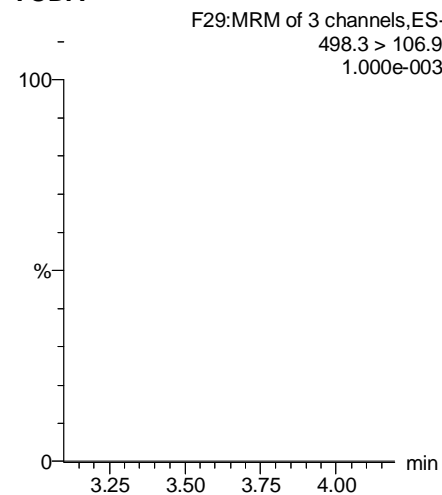
PFTrDA



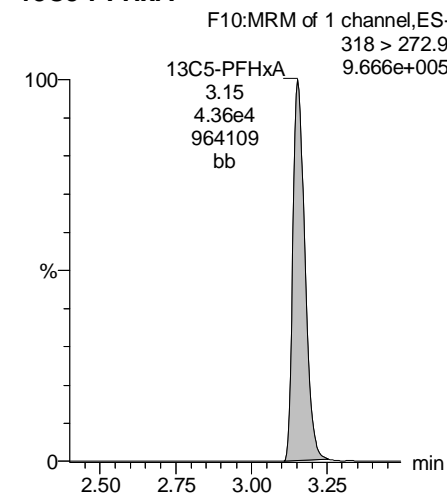
PFTeDA



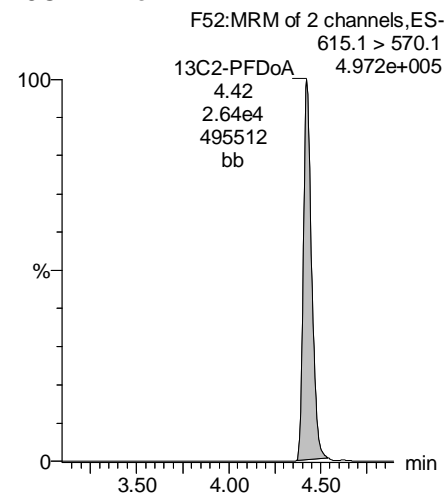
TCDA



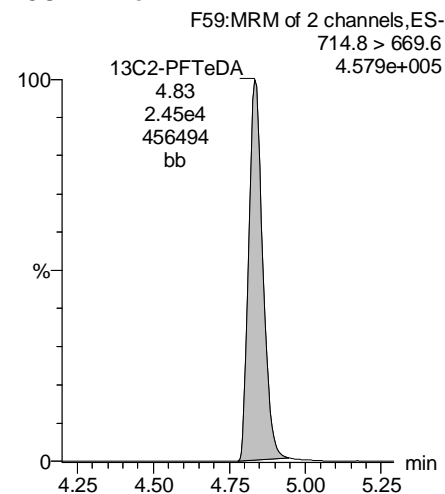
13C5-PFHxA



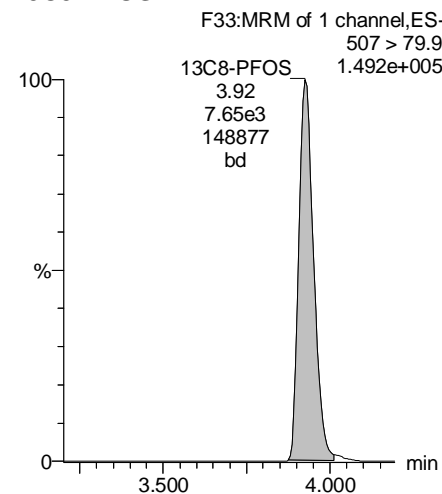
13C2-PFDoA



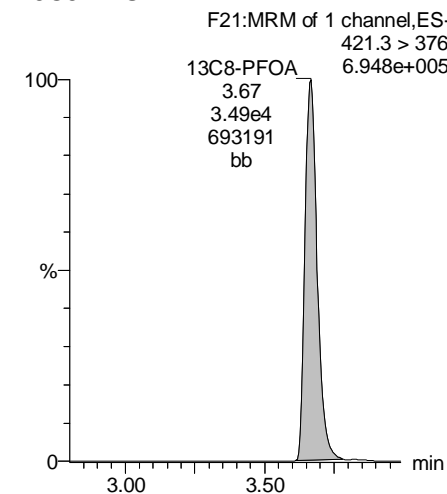
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



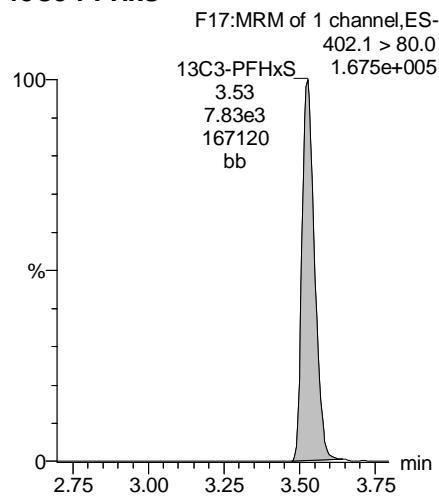
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Last Altered: Tuesday, October 31, 2017 11:56:57 Pacific Daylight Time

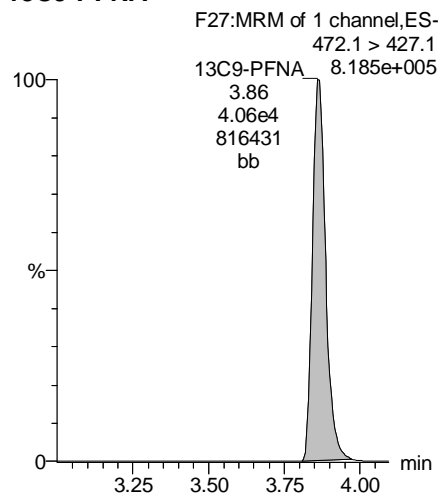
Printed: Tuesday, October 31, 2017 11:58:12 Pacific Daylight Time

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

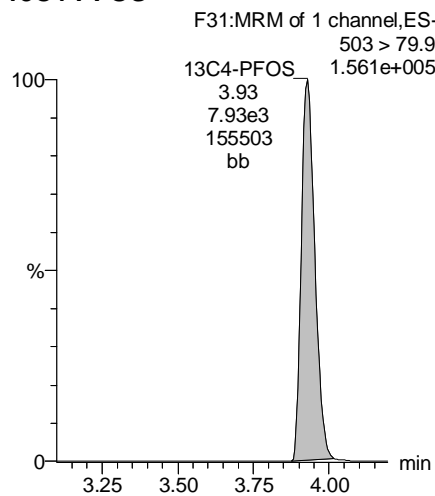
13C3-PFHxS



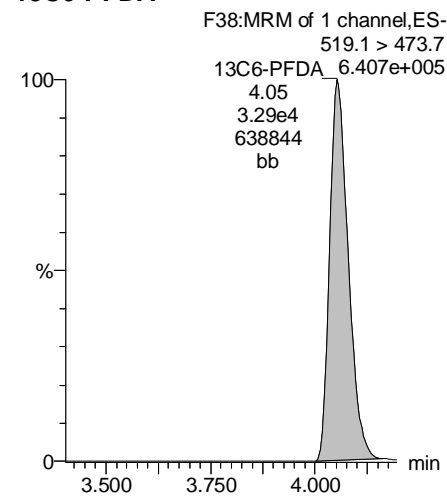
13C9-PFNA



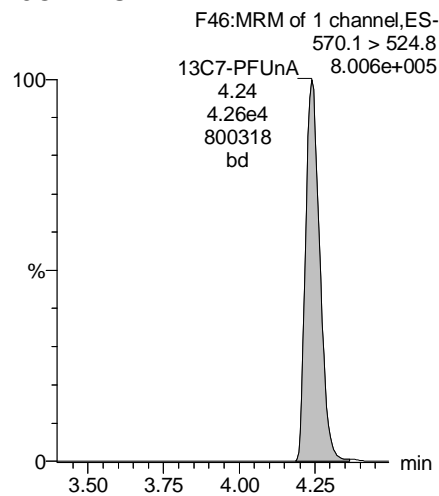
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:14:19 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	1.77e2	9.00e3	0.111E		3.25	2.90	0.246	1.912	
2	4 PFHxA	313.2 > 268.9		1.28e4	0.111E		3.46				
3	5 PFHpA	363.1 > 319.1		5.12e4	0.111E		3.72				
4	6 L-PFHxS	399.0 > 80.0	7.38e1	3.82e3	0.111E		3.79	3.53	0.241	0.624	
5	9 L-PFOA	413 > 368.7	7.41e2	3.79e4	0.111E		3.93	3.67	0.244		
6	12 PFNA	463.1 > 419.1		3.27e4	0.111E		4.13				
7	14 L-PFOS	499 > 79.9	5.17e1	8.07e3	0.111E		4.19	3.95	0.0801	0.749	
8	16 PFDA	513 > 468.8		2.58e4	0.111E		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.51e3	0.111E		4.32				
10	19 N-EtFOSAA	584.2 > 419		6.37e3	0.111E		4.42				
11	20 PFUnA	562.9 > 518.9		3.49e4	0.111E		4.52				
12	22 PFDoA	613.0 > 569.1		3.09e4	0.111E		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.09e4	0.111E		4.93					
2	25	PFTeDA	712.9 > 668.8	3.09e4	0.111E		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.111E		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.53e4	0.111E	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	9.00e3	4.53e4	0.111E	0.051	3.25	2.89	0.994	175.573	157.0
6	34	13C2-PFHxA	315 > 269.8	1.28e4	4.53e4	0.111E	0.275	3.46	3.14	1.41	46.023	102.9
7	35	13C4-PFHpA	367 > 322.1	5.12e4	4.53e4	0.111E	0.558	3.72	3.44	5.66	90.727	81.1
8	36	18O2-PFHxS	403 > 103.0	3.82e3	7.88e3	0.111E	0.490	3.79	3.53	6.06	110.634	98.9
9	37	13C2-6:2 FTS	429.1 > 408.9	4.42e3	3.41e4	0.111E	0.146	3.92	3.65	1.62	99.095	88.6
10	38	13C2-PFOA	414.9 > 369.7	3.79e4	3.41e4	0.111E	1.152	3.93	3.66	13.9	107.881	96.5
11	39	13C5-PFNA	468.1 > 423.1	3.27e4	4.39e4	0.111E	0.857	4.13	3.86	9.31	97.118	86.8
12	40	13C8-PFOSA	506.1 > 78.0	2.82e3	4.27e4	0.111E	0.136	4.14	3.87	0.826	54.159	48.4
13	41	13C8-PFOS	507 > 79.9	8.07e3	8.30e3	0.111E	0.990	4.19	3.92	12.2	109.868	98.2
14	42	13C2-PFDA	515.1 > 469.9	2.58e4	4.16e4	0.111E	0.882	4.32	4.06	7.75	78.603	70.3
15	43	13C2-8:2 FTS	529.1 > 508.7	3.45e3	4.16e4	0.111E	0.105	4.31	4.05	1.04	88.811	79.4
16	44	d3-N-MeFOSAA	573.3 > 419	5.51e3	4.27e4	0.111E	0.015	4.35	4.09	1.62	992.247	68.2
17	45	d5-N-EtFOSAA	589.3 > 419	6.37e3	4.27e4	0.111E	0.015	4.42	4.17	1.87	1090.915	75.0
18	46	13C2-PFUnA	565 > 519.8	3.49e4	4.27e4	0.111E	0.943	4.52	4.24	10.2	96.983	86.7
19	47	13C2-PFDoA	615.1 > 570.1	3.09e4	4.27e4	0.111E	0.951	4.72	4.43	9.06	85.176	76.2
20	49	13C2-PFTeDA	714.8 > 669.6	3.09e4	4.27e4	0.111E	0.728	5.15	4.84	9.05	111.331	99.5
21	54	13C4-PFBA	217.1 > 172.1		0.111E		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.53e4	4.53e4	0.111E	1.000	3.46	3.15	5.00	44.739	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.88e3	7.88e3	0.111E	1.000	3.79	3.53	12.5	111.847	100.0
24	57	13C8-PFOA	421.3 > 376	3.41e4	3.41e4	0.111E	1.000	3.93	3.67	12.5	111.847	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.39e4	4.39e4	0.111E	1.000	4.13	3.86	12.5	111.847	100.0
26	59	13C4-PFOS	503 > 79.9	8.30e3	8.30e3	0.111E	1.000	4.19	3.93	12.5	111.847	100.0
27	60	13C6-PFDA	519.1 > 473.7	4.16e4	4.16e4	0.111E	1.000	4.32	4.06	12.5	111.847	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.27e4	4.27e4	0.111E	1.000	4.52	4.25	12.5	111.847	100.0
29	62	Total PFHxS	399.0 > 80.0	7.38e1	3.82e3	0.111E		3.79		0.241	0.624	
30	63	Total PFOA	413 > 368.7	7.41e2	3.79e4	0.111E		3.93		0.000		
31	64	Total PFOS	499 > 79.9	5.17e1	8.07e3	0.111E		4.19		0.0801	0.749	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.51e3	0.111E		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	6.37e3	0.111E		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	7.93e2		0.111E		0.00		0.0801	0.749	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.53	73.795	3820.489	0.241	bb	0.6

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	740.828	37889.430	0.244	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.95	51.703	8066.296	0.080	MM	0.7

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	740.828	37889.430	0.244	MMI	
2	14 L-PFOS	499 > 79.9	3.95	51.703	8066.296	0.080	MM	0.7

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Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

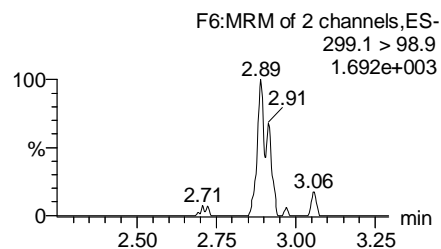
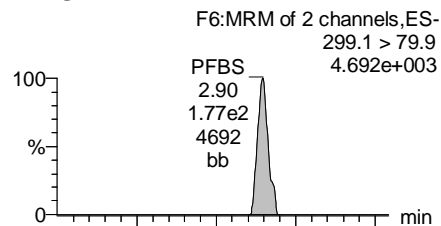
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

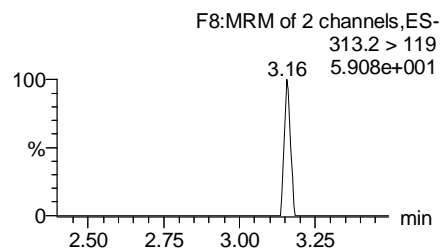
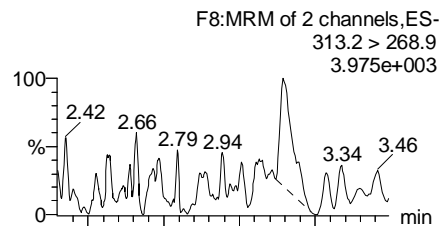
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Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

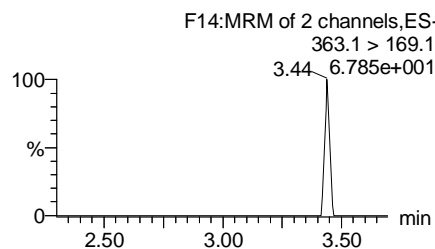
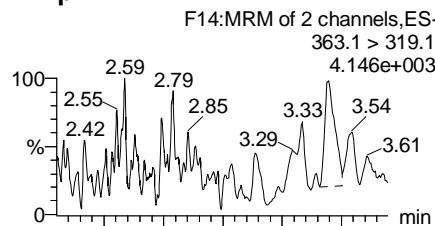
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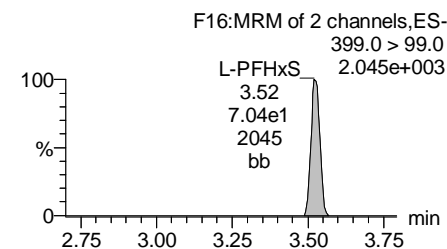
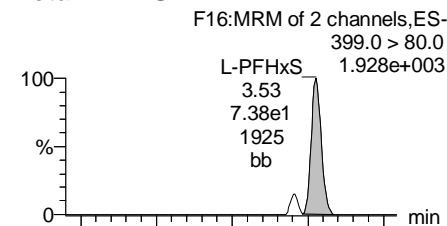
PFHxA



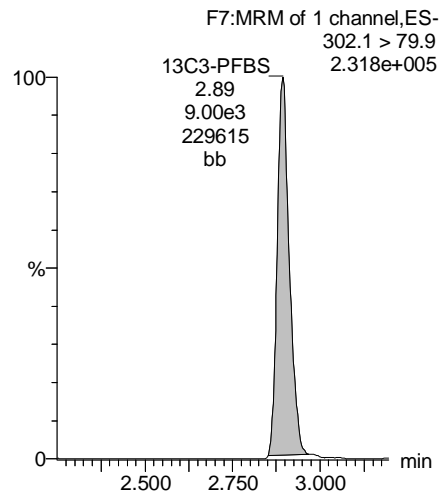
PFHpA



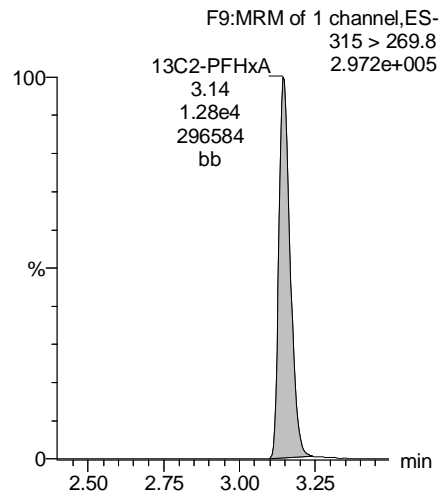
Total PFHxS



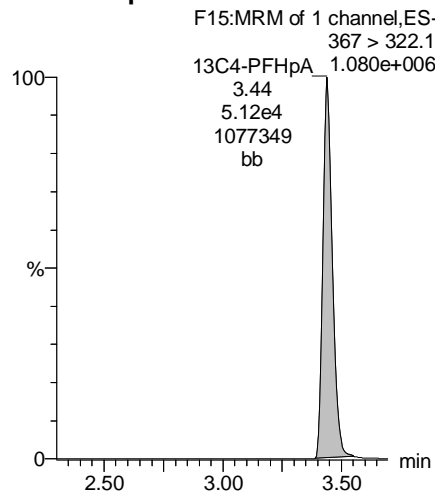
13C3-PFBS



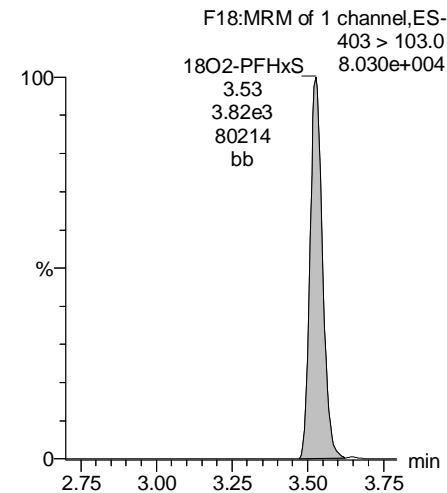
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

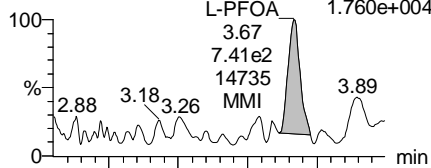
Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

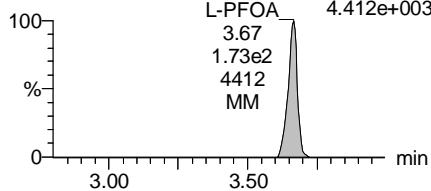
Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
L-PFOA 1.760e+004

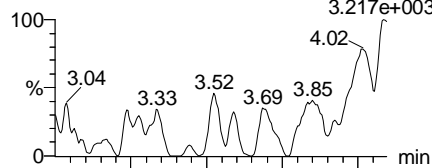


F19:MRM of 2 channels,ES-
413 > 169
L-PFOA 4.412e+003

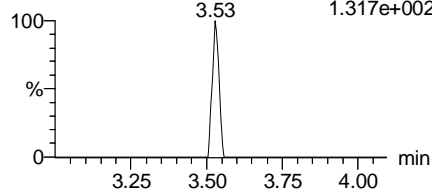


PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
3.217e+003

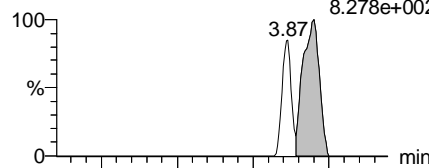


F25:MRM of 2 channels,ES-
463.1 > 219.1
1.317e+002

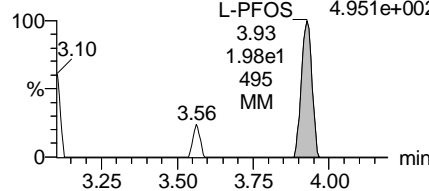


Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
8.278e+002

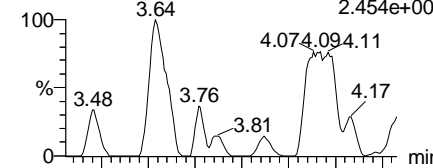


F30:MRM of 2 channels,ES-
499 > 99
L-PFOS 4.951e+002

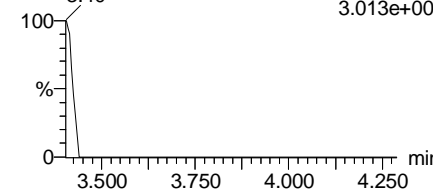


PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
2.454e+003

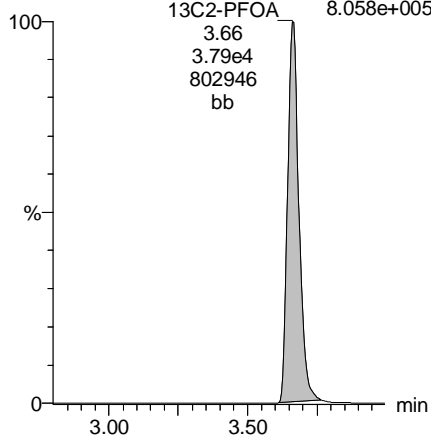


F35:MRM of 2 channels,ES-
513 > 219
3.013e+002



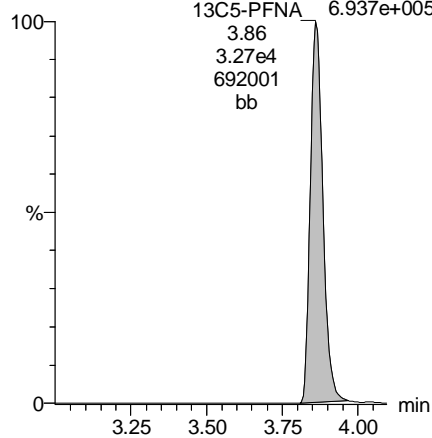
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
13C2-PFOA 8.058e+005



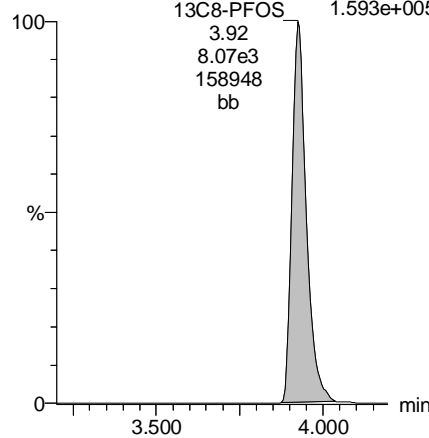
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
13C5-PFNA 6.937e+005



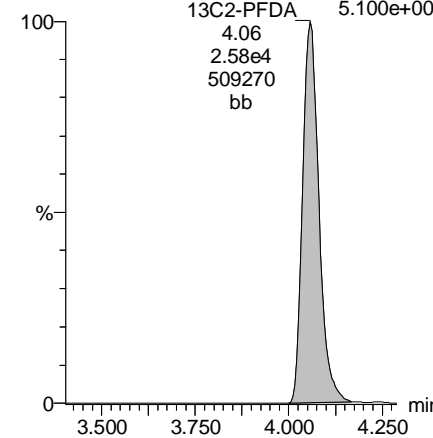
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
13C8-PFOS 1.593e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
13C2-PFDA 5.100e+005



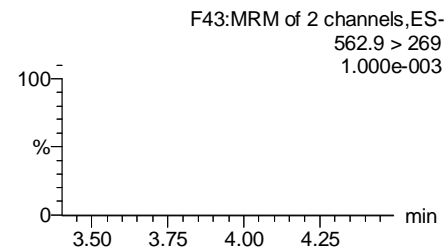
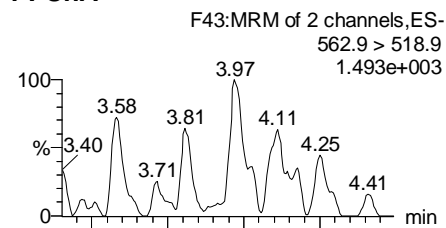
Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

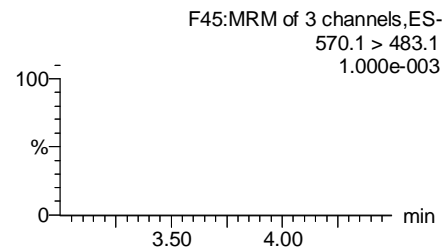
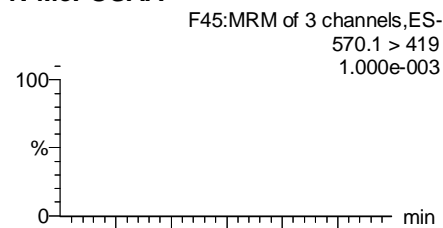
Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

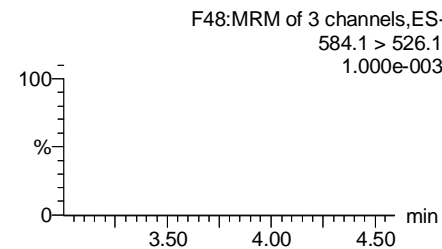
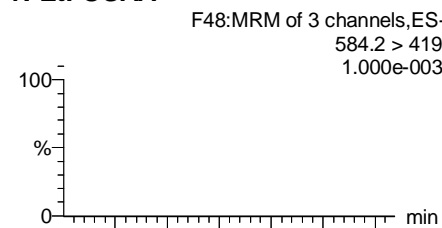
PFUnA



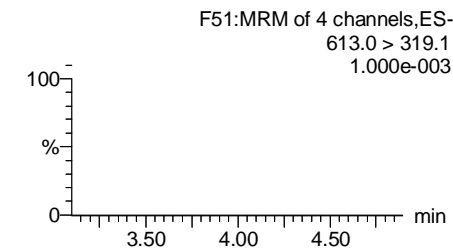
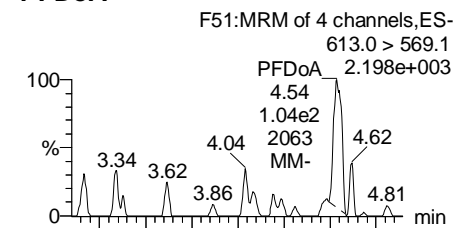
N-MeFOSAA



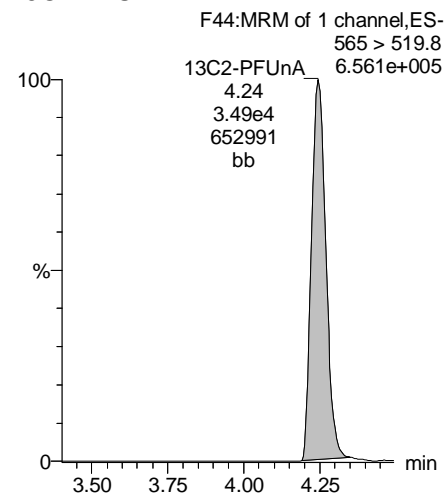
N-EtFOSAA



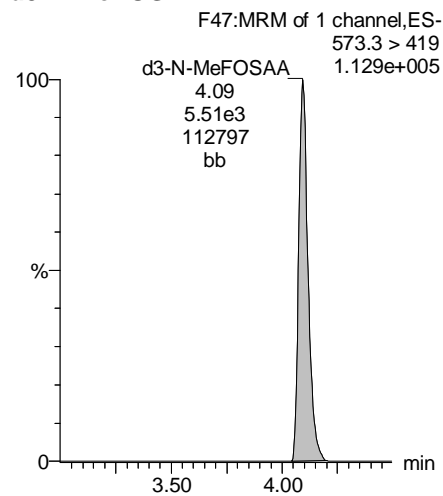
PFDaA



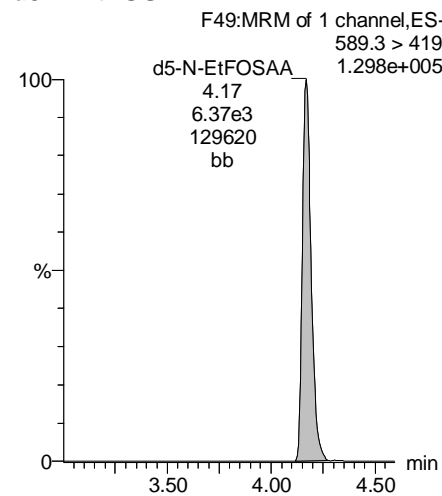
13C2-PFUnA



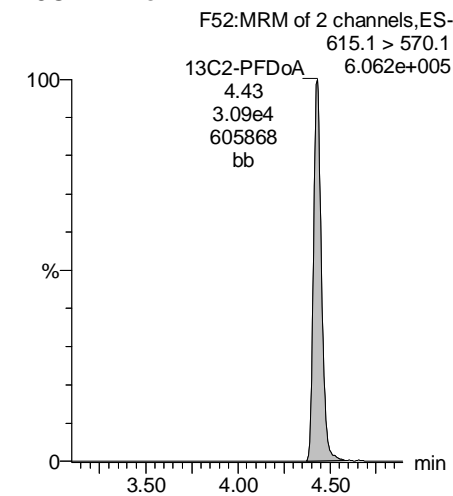
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDaA



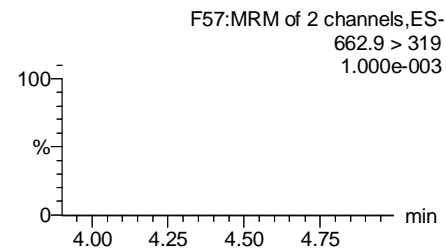
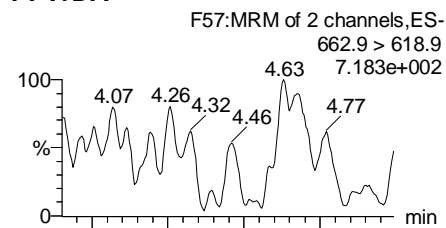
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Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

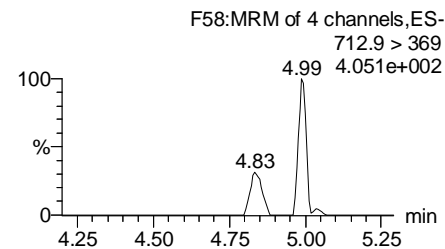
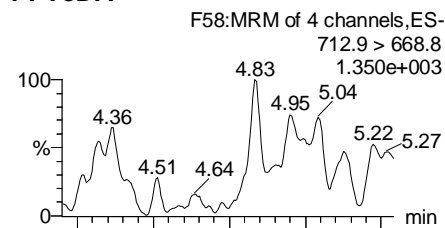
Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

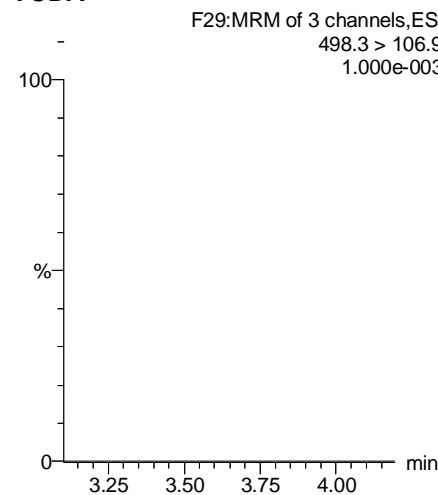
PFTrDA



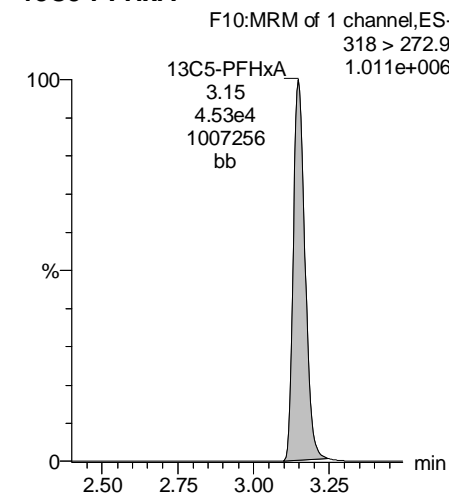
PFTeDA



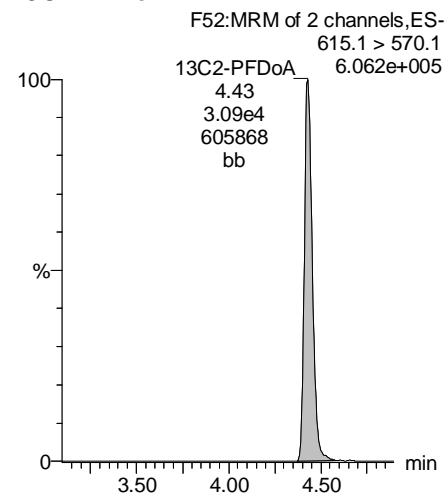
TCDA



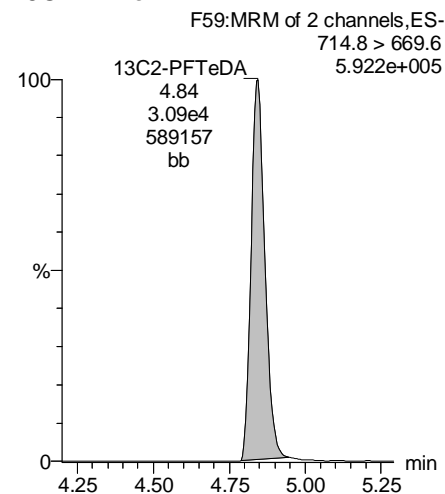
13C5-PFHxA



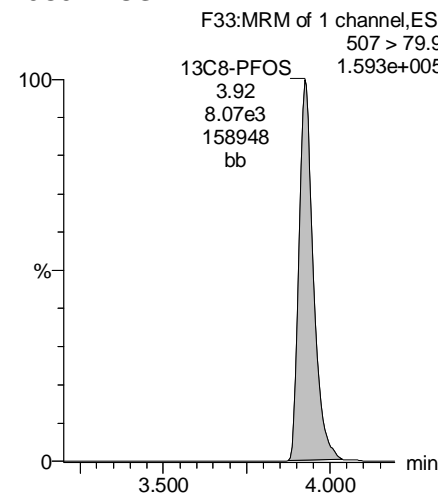
13C2-PFDoA



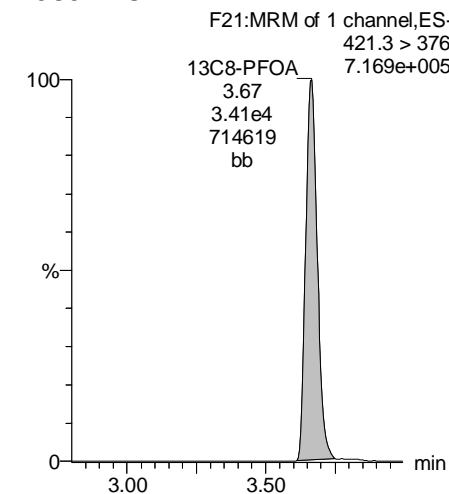
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



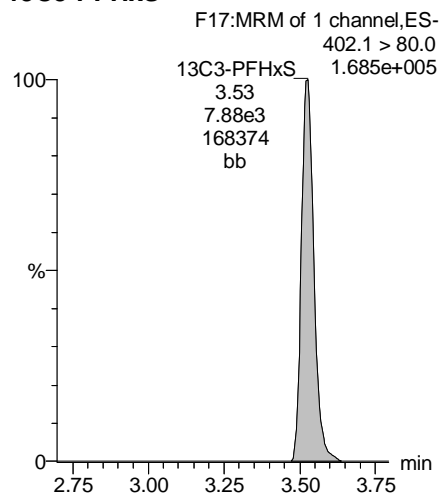
Dataset: U:\Q4.PRO\results\171003M2\171003M2-63.qld

Last Altered: Tuesday, October 31, 2017 12:13:38 Pacific Daylight Time

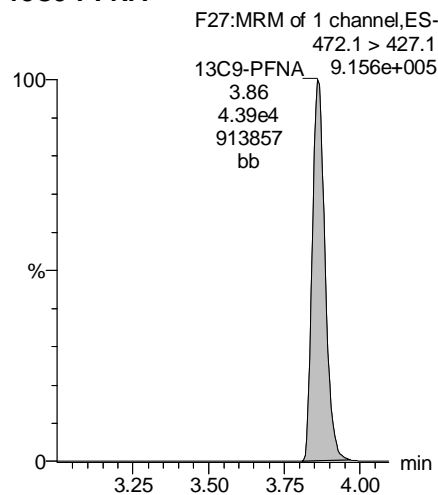
Printed: Tuesday, October 31, 2017 12:14:34 Pacific Daylight Time

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

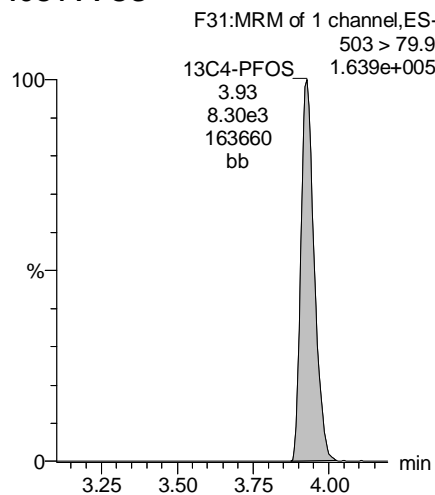
13C3-PFHxS



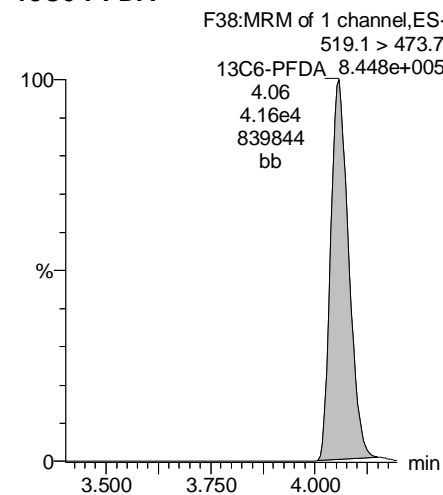
13C9-PFNA



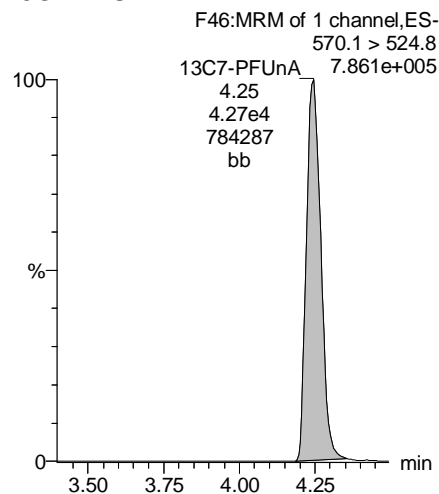
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:39 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	3.15e3	8.64e3	0.1148		3.25	2.90	4.56	37.886	
2	4 PFHxA	313.2 > 268.9		1.20e4	0.1148		3.46				
3	5 PFHpA	363.1 > 319.1	1.41e3	5.24e4	0.1148		3.72	3.44	0.337	2.058	
4	6 L-PFHxS	399.0 > 80.0	8.14e3	3.60e3	0.1148		3.79	3.53	28.3	103.676	
5	9 L-PFOA	413 > 368.7	9.74e2	3.48e4	0.1148		3.93	3.67	0.350		
6	12 PFNA	463.1 > 419.1		3.09e4	0.1148		4.13				
7	14 L-PFOS	499 > 79.9	2.88e2	8.23e3	0.1148		4.19	3.92	0.437	3.199	
8	16 PFDA	513 > 468.8		2.70e4	0.1148		4.32				
9	18 N-MeFOSAA	570.1 > 419		4.89e3	0.1148		4.32				
10	19 N-EtFOSAA	584.2 > 419		5.47e3	0.1148		4.42				
11	20 PFUnA	562.9 > 518.9		3.42e4	0.1148		4.52				
12	22 PFDoA	613.0 > 569.1		2.99e4	0.1148		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	2.99e4	0.1148		4.93					
2	25	PFTeDA	712.9 > 668.8	2.95e4	0.1148		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1148		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.56e4	0.1148	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	8.64e3	4.56e4	0.051	3.25	2.89	0.947	162.676	149.5	
6	34	13C2-PFHxA	315 > 269.8	1.20e4	4.56e4	0.1148	3.46	3.15	1.32	41.860	96.2	
7	35	13C4-PFHpA	367 > 322.1	5.24e4	4.56e4	0.1148	3.72	3.44	5.74	89.487	82.2	
8	36	18O2-PFHxS	403 > 103.0	3.60e3	7.70e3	0.1148	3.79	3.53	5.84	103.774	95.3	
9	37	13C2-6:2 FTS	429.1 > 408.9	3.97e3	3.50e4	0.1148	3.92	3.65	1.42	84.553	77.7	
10	38	13C2-PFOA	414.9 > 369.7	3.48e4	3.50e4	0.1148	3.93	3.67	12.4	93.949	86.3	
11	39	13C5-PFNA	468.1 > 423.1	3.09e4	4.35e4	0.1148	0.857	4.13	3.86	8.89	90.269	82.9
12	40	13C8-PFOA	506.1 > 78.0	2.68e3	4.25e4	0.1148	0.136	4.14	3.88	0.788	50.304	46.2
13	41	13C8-PFOS	507 > 79.9	8.23e3	7.86e3	0.1148	0.990	4.19	3.93	13.1	115.060	105.7
14	42	13C2-PFDA	515.1 > 469.9	2.70e4	3.86e4	0.1148	0.882	4.32	4.06	8.75	86.389	79.4
15	43	13C2-8:2 FTS	529.1 > 508.7	2.96e3	3.86e4	0.1148	0.105	4.31	4.05	0.958	79.690	73.2
16	44	d3-N-MeFOSAA	573.3 > 419	4.89e3	4.25e4	0.1148	0.015	4.35	4.09	1.44	858.406	60.7
17	45	d5-N-EtFOSAA	589.3 > 419	5.47e3	4.25e4	0.1148	0.015	4.42	4.17	1.61	915.539	64.7
18	46	13C2-PFUnA	565 > 519.8	3.42e4	4.25e4	0.1148	0.943	4.52	4.24	10.0	92.736	85.2
19	47	13C2-PFDoA	615.1 > 570.1	2.99e4	4.25e4	0.1148	0.951	4.72	4.42	8.80	80.573	74.0
20	49	13C2-PFTeDA	714.8 > 669.6	2.95e4	4.25e4	0.1148	0.728	5.15	4.84	8.68	103.812	95.4
21	54	13C4-PFBA	217.1 > 172.1		0.1148		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.56e4	4.56e4	0.1148	1.000	3.46	3.15	5.00	43.535	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.70e3	7.70e3	0.1148	1.000	3.79	3.53	12.5	108.838	100.0
24	57	13C8-PFOA	421.3 > 376	3.50e4	3.50e4	0.1148	1.000	3.93	3.67	12.5	108.838	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.35e4	4.35e4	0.1148	1.000	4.13	3.86	12.5	108.838	100.0
26	59	13C4-PFOS	503 > 79.9	7.86e3	7.86e3	0.1148	1.000	4.19	3.93	12.5	108.838	100.0
27	60	13C6-PFDA	519.1 > 473.7	3.86e4	3.86e4	0.1148	1.000	4.32	4.06	12.5	108.838	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.25e4	4.25e4	0.1148	1.000	4.52	4.24	12.5	108.838	100.0
29	62	Total PFHxS	399.0 > 80.0	8.14e3	3.60e3	0.1148		3.79		28.3	103.676	
30	63	Total PFOA	413 > 368.7	9.74e2	3.48e4	0.1148		3.93		0.000		
31	64	Total PFOS	499 > 79.9	2.88e2	8.23e3	0.1148		4.19		0.437	3.199	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	4.89e3	0.1148		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	5.47e3	0.1148		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	1.26e3		0.1148		0.00		0.437	3.199	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	7 Br-PFHxS	399.0 > 80.0			3598.820		MM-I	
2	6 L-PFHxS	399.0 > 80.0	3.53	8137.399	3598.820	28.264	MM	103.7

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	973.878	34765.281	0.350	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.92	287.853	8225.649	0.437	MM	3.2

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	973.878	34765.281	0.350	MMI	
2	14 L-PFOS	499 > 79.9	3.92	287.853	8225.649	0.437	MM	3.2

Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

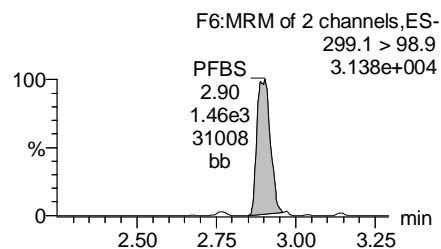
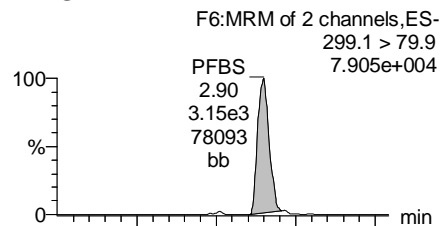
Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

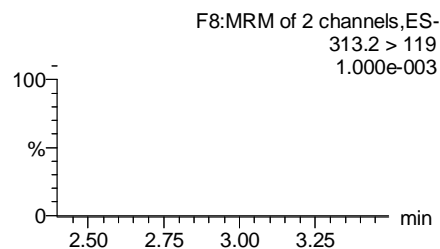
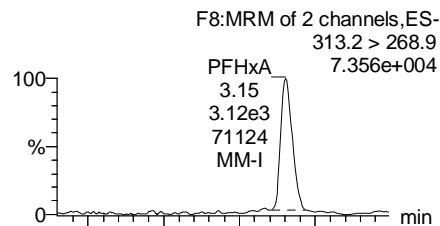
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Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

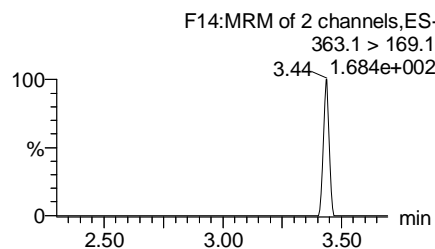
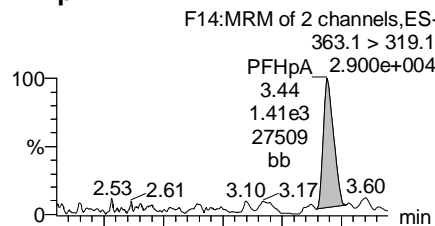
PFBS



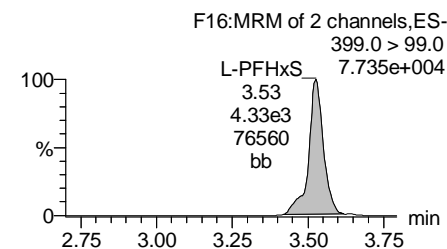
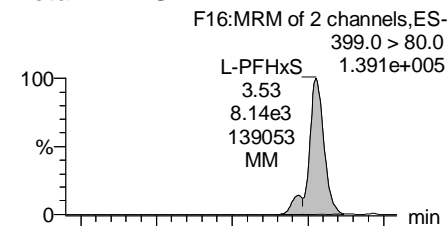
PFHxA



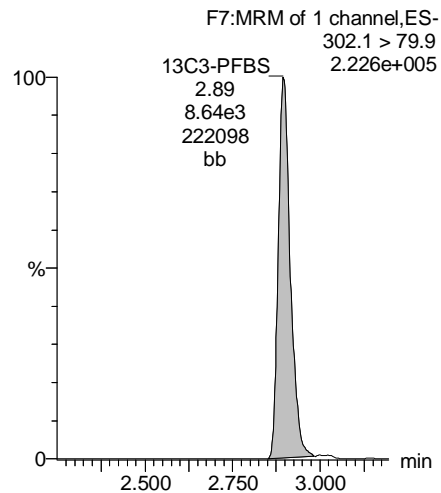
PFHpA



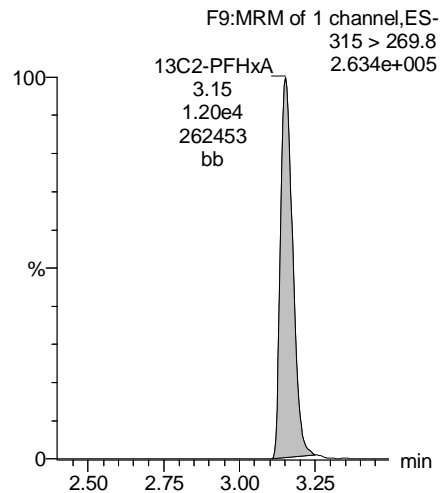
Total PFHxS



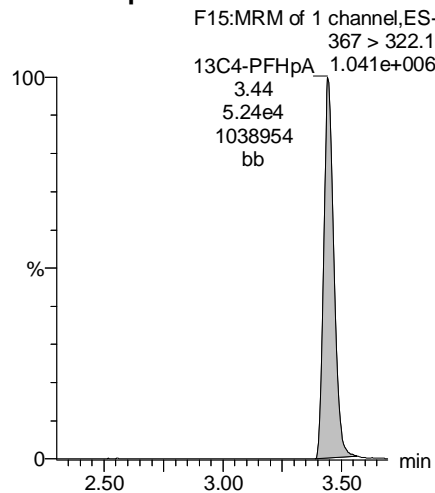
13C3-PFBS



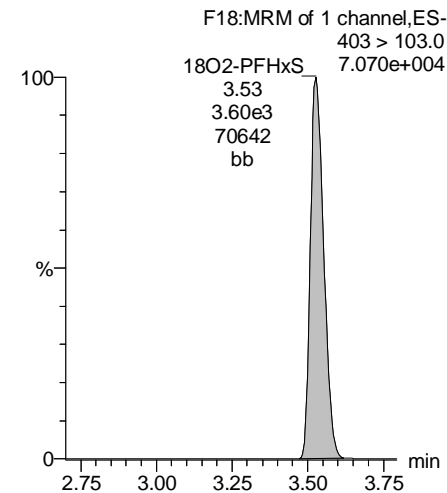
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

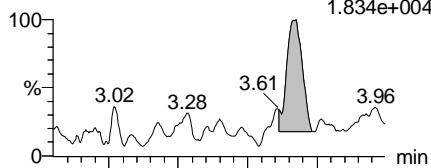
Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

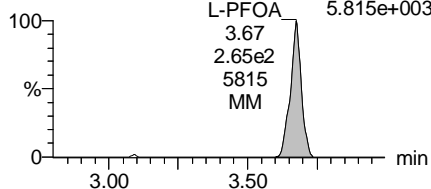
Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

Total PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.834e+004

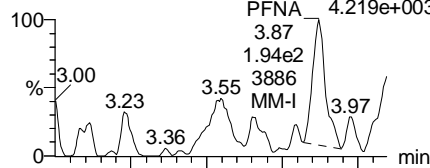


F19:MRM of 2 channels,ES-
413 > 169
5.815e+003

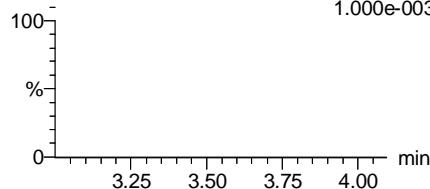


PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
4.219e+003

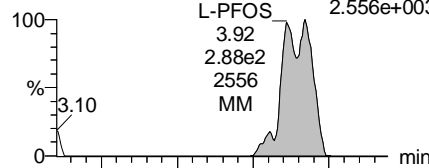


F25:MRM of 2 channels,ES-
463.1 > 219.1
1.000e-003

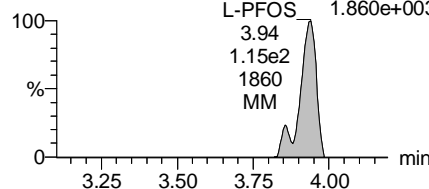


Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
2.556e+003

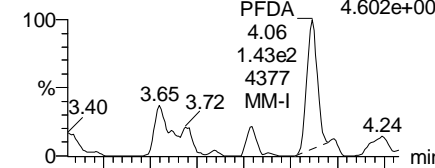


F30:MRM of 2 channels,ES-
499 > 99
1.860e+003

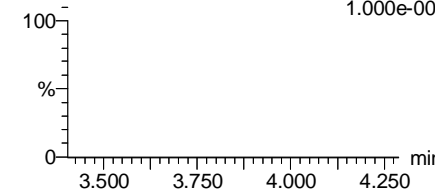


PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
4.602e+003

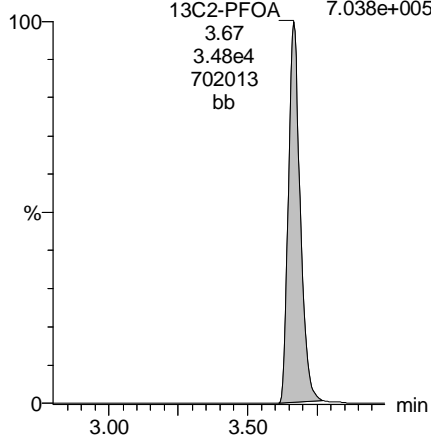


F35:MRM of 2 channels,ES-
513 > 219
1.000e-003



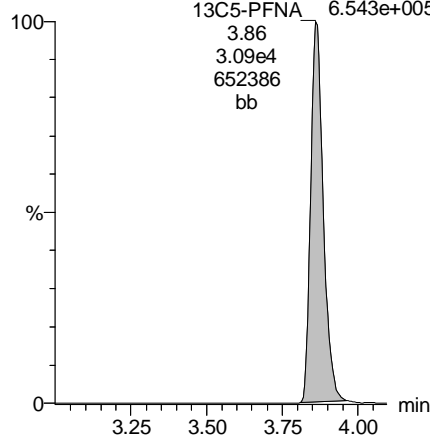
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
7.038e+005



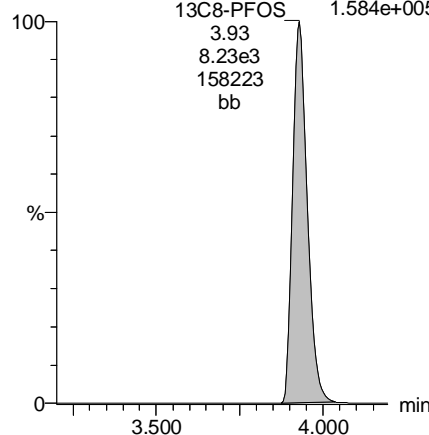
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
6.543e+005



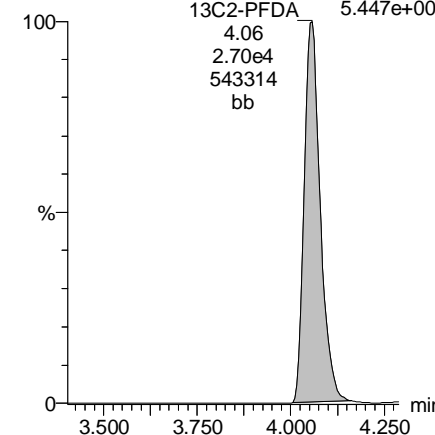
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.584e+005



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
5.447e+005



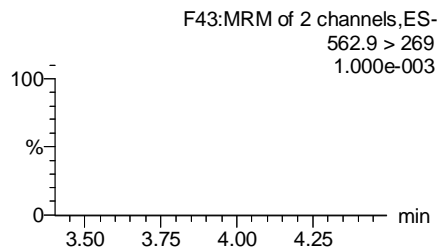
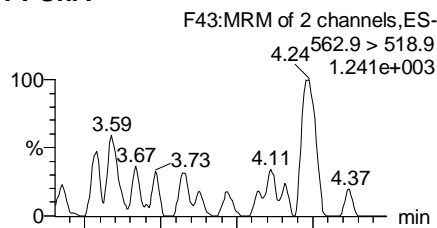
Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

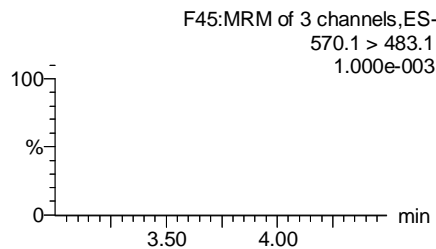
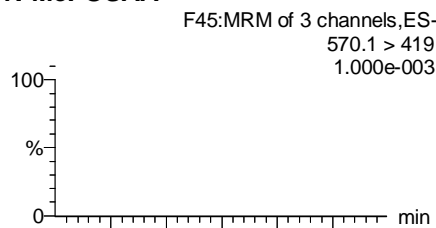
Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

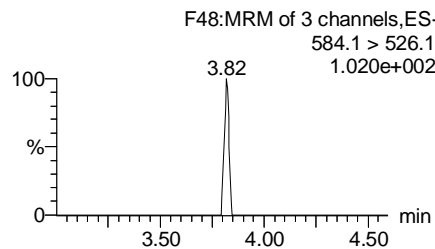
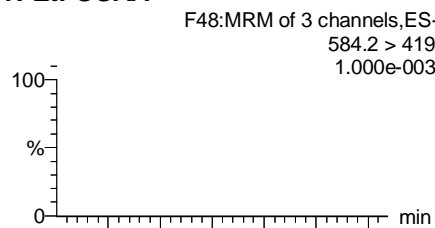
PFUnA



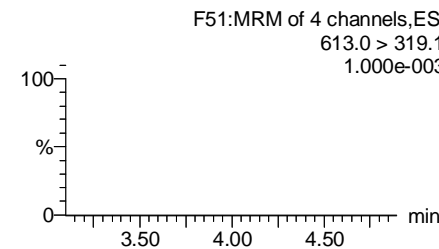
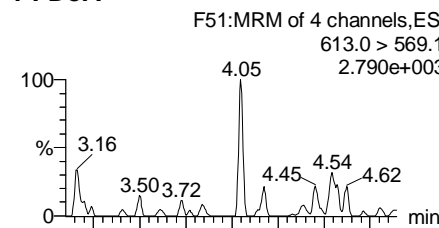
N-MeFOSAA



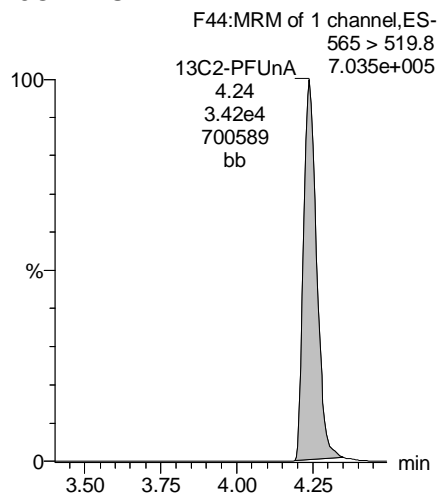
N-EtFOSAA



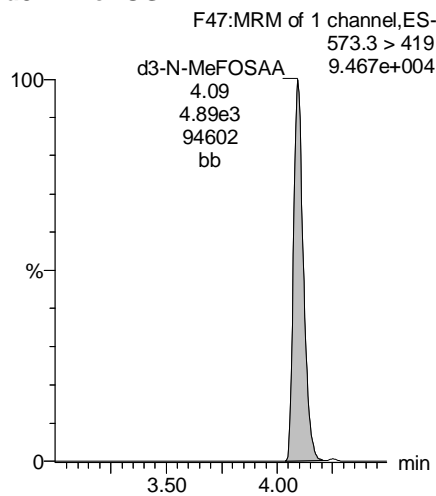
PFDoA



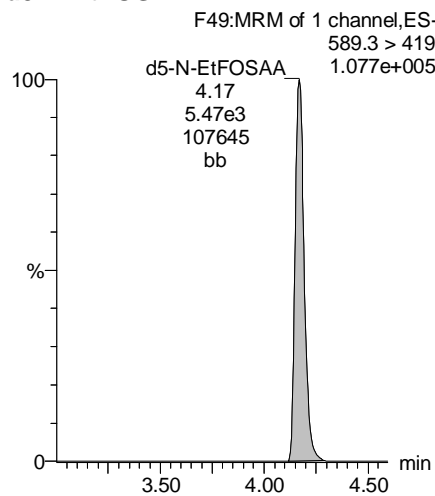
13C2-PFUnA



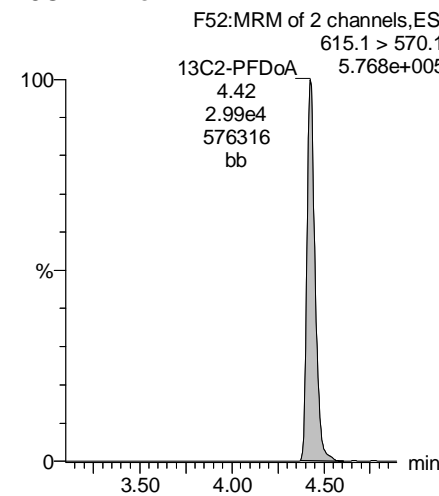
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

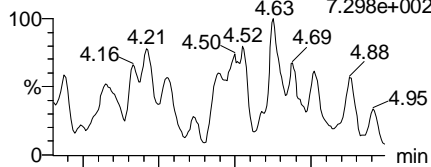
Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

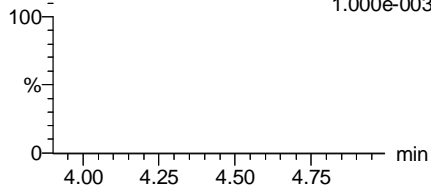
Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9
7.298e+002

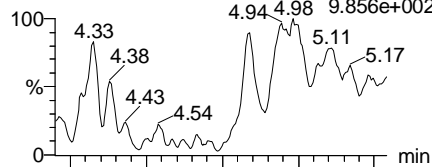


F57:MRM of 2 channels,ES-
662.9 > 319
1.000e-003

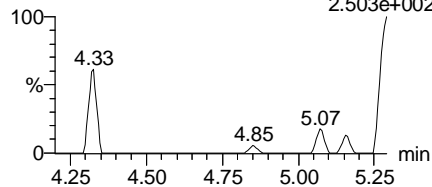


PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
9.856e+002

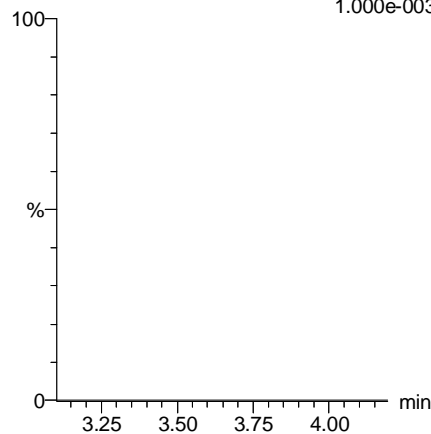


F58:MRM of 4 channels,ES-
712.9 > 369
2.503e+002



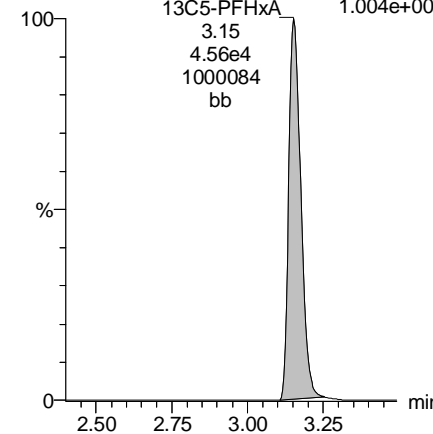
TCDA

F29:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



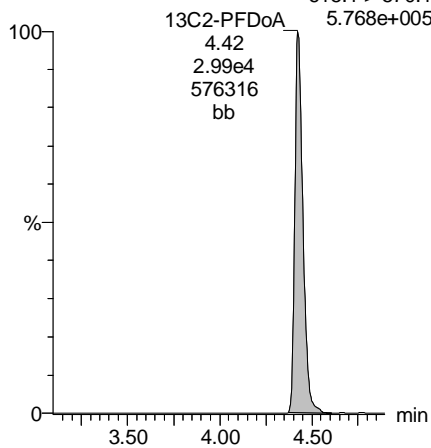
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.004e+006



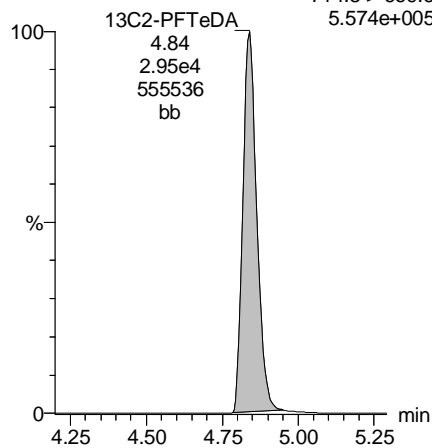
13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
5.768e+005



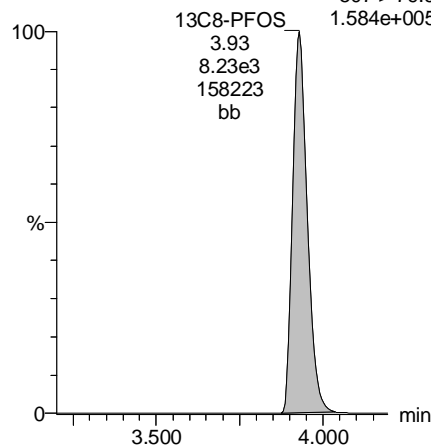
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
5.574e+005



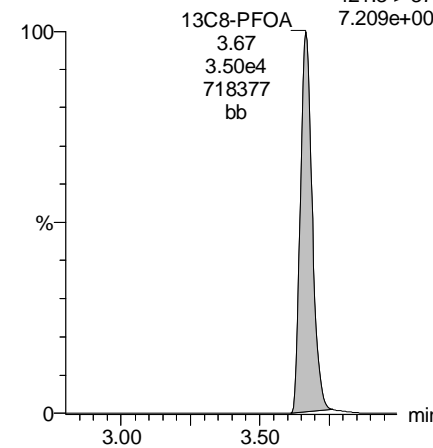
13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.584e+005



13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
7.209e+005



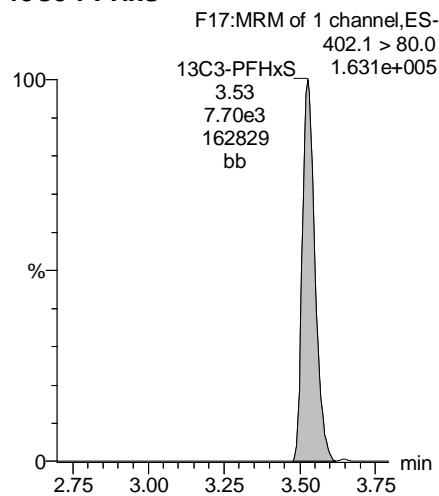
Dataset: U:\Q4.PRO\results\171003M2\171003M2-64.qld

Last Altered: Tuesday, October 31, 2017 12:17:00 Pacific Daylight Time

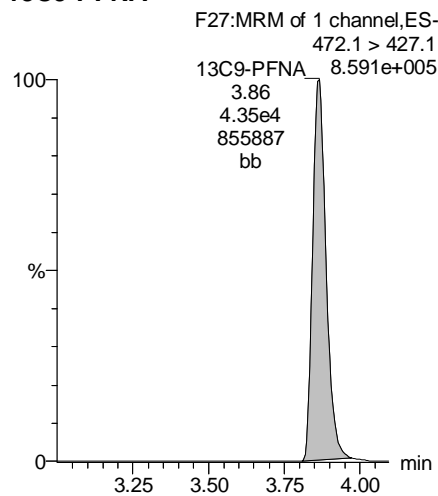
Printed: Tuesday, October 31, 2017 12:18:56 Pacific Daylight Time

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

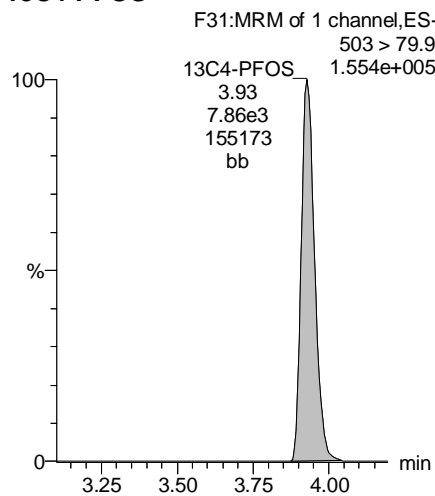
13C3-PFHxS



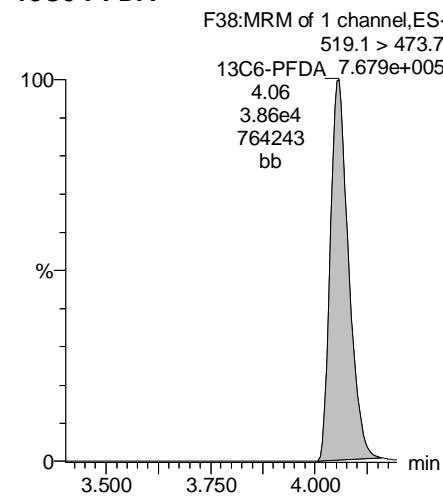
13C9-PFNA



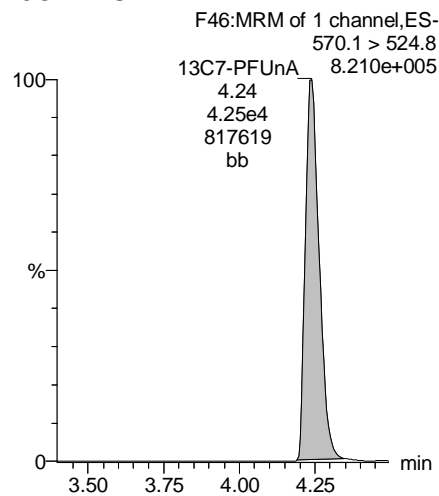
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:24:53 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		9.48e3	0.1182		3.25				
2	4 PFHxA	313.2 > 268.9	1.62e2	1.25e4	0.1182		3.46	3.15	0.0649		
3	5 PFHpA	363.1 > 319.1		5.60e4	0.1182		3.72				
4	6 L-PFHxS	399.0 > 80.0	4.89e1	3.60e3	0.1182		3.79	3.54	0.170	0.333	
5	9 L-PFOA	413 > 368.7	1.05e3	4.10e4	0.1182		3.93	3.66	0.321		
6	12 PFNA	463.1 > 419.1		3.10e4	0.1182		4.13				
7	14 L-PFOS	499 > 79.9	7.42e0	8.64e3	0.1182		4.19	3.93	0.0107	0.242	
8	16 PFDA	513 > 468.8		2.58e4	0.1182		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.85e3	0.1182		4.32				
10	19 N-EtFOSAA	584.2 > 419		6.26e3	0.1182		4.42				
11	20 PFUnA	562.9 > 518.9		2.84e4	0.1182		4.52				
12	22 PFDoA	613.0 > 569.1		3.68e4	0.1182		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.68e4	0.1182		4.93					
2	25	PFTeDA	712.9 > 668.8	2.93e4	0.1182		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1182		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.61e4	0.1182	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	9.48e3	4.61e4	0.051	3.25	2.89	1.03	171.609	162.3	
6	34	13C2-PFHxA	315 > 269.8	1.25e4	4.61e4	0.1182	3.46	3.15	1.35	41.627	98.4	
7	35	13C4-PFHpA	367 > 322.1	5.60e4	4.61e4	0.1182	3.72	3.44	6.07	91.928	86.9	
8	36	18O2-PFHxS	403 > 103.0	3.60e3	7.96e3	0.1182	3.79	3.52	5.66	97.719	92.4	
9	37	13C2-6:2 FTS	429.1 > 408.9	4.67e3	3.95e4	0.1182	3.92	3.65	1.48	85.441	80.8	
10	38	13C2-PFOA	414.9 > 369.7	4.10e4	3.95e4	0.1182	3.93	3.67	13.0	95.102	90.0	
11	39	13C5-PFNA	468.1 > 423.1	3.10e4	4.62e4	0.1182	0.857	4.13	3.86	8.38	82.696	78.2
12	40	13C8-PFOA	506.1 > 78.0	3.09e3	4.62e4	0.1182	0.136	4.14	3.87	0.836	51.854	49.0
13	41	13C8-PFOS	507 > 79.9	8.64e3	9.08e3	0.1182	0.990	4.19	3.93	11.9	101.649	96.1
14	42	13C2-PFDA	515.1 > 469.9	2.58e4	4.26e4	0.1182	0.882	4.32	4.06	7.55	72.398	68.5
15	43	13C2-8:2 FTS	529.1 > 508.7	3.17e3	4.26e4	0.1182	0.105	4.31	4.05	0.930	75.166	71.1
16	44	d3-N-MeFOSAA	573.3 > 419	5.85e3	4.62e4	0.1182	0.015	4.35	4.09	1.58	917.962	66.8
17	45	d5-N-EtFOSAA	589.3 > 419	6.26e3	4.62e4	0.1182	0.015	4.42	4.17	1.69	935.619	68.1
18	46	13C2-PFUnA	565 > 519.8	2.84e4	4.62e4	0.1182	0.943	4.52	4.24	7.68	68.879	65.1
19	47	13C2-PFDoA	615.1 > 570.1	3.68e4	4.62e4	0.1182	0.951	4.72	4.42	9.96	88.532	83.7
20	49	13C2-PFTeDA	714.8 > 669.6	2.93e4	4.62e4	0.1182	0.728	5.15	4.84	7.92	92.076	87.1
21	54	13C4-PFBA	217.1 > 172.1		0.1182		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.61e4	4.61e4	0.1182	1.000	3.46	3.15	5.00	42.290	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.96e3	7.96e3	0.1182	1.000	3.79	3.52	12.5	105.726	100.0
24	57	13C8-PFOA	421.3 > 376	3.95e4	3.95e4	0.1182	1.000	3.93	3.67	12.5	105.726	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.62e4	4.62e4	0.1182	1.000	4.13	3.86	12.5	105.726	100.0
26	59	13C4-PFOS	503 > 79.9	9.08e3	9.08e3	0.1182	1.000	4.19	3.93	12.5	105.726	100.0
27	60	13C6-PFDA	519.1 > 473.7	4.26e4	4.26e4	0.1182	1.000	4.32	4.05	12.5	105.726	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.62e4	4.62e4	0.1182	1.000	4.52	4.24	12.5	105.726	100.0
29	62	Total PFHxS	399.0 > 80.0	4.89e1	3.60e3	0.1182		3.79		0.170	0.333	
30	63	Total PFOA	413 > 368.7	1.05e3	4.10e4	0.1182		3.93		0.000		
31	64	Total PFOS	499 > 79.9	7.42e0	8.64e3	0.1182		4.19		0.0107	0.242	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.85e3	0.1182		4.35		0.000		

AC 10/31/17

Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	6.26e3	0.1182		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	1.06e3		0.1182		0.00		0.0107	0.242	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.54	48.889	3604.410	0.170	MM	0.3

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	1051.372	40970.324	0.321	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.93	7.423	8641.454	0.011	MM	0.2

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	1051.372	40970.324	0.321	MMI	
2	14 L-PFOS	499 > 79.9	3.93	7.423	8641.454	0.011	MM	0.2

Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

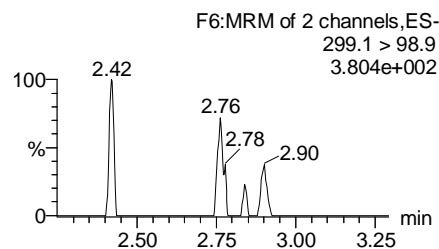
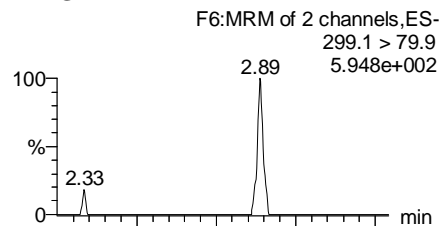
Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

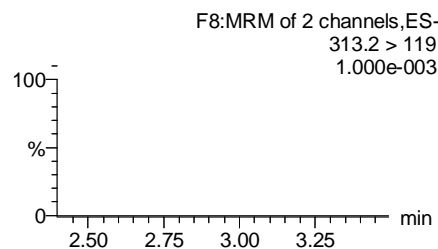
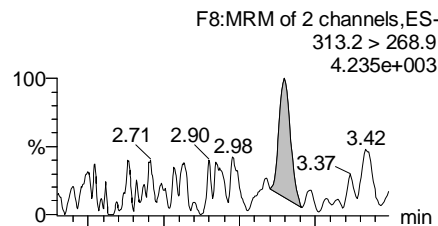
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

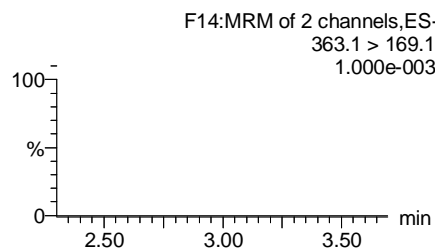
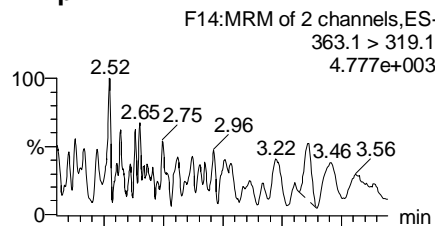
PFBS



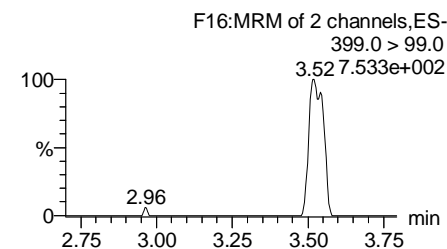
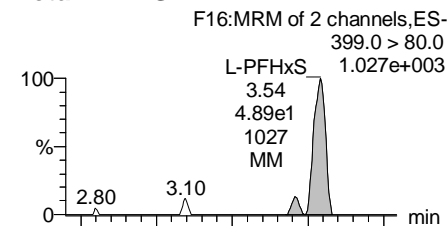
PFHxA



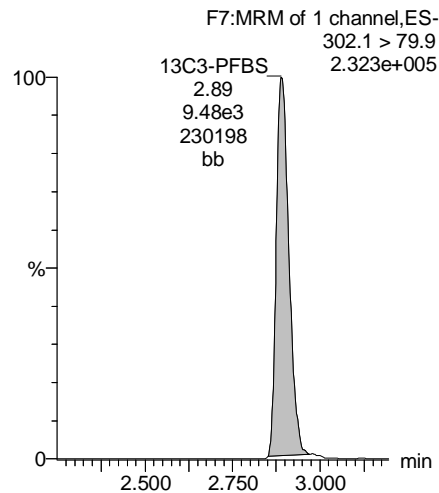
PFHpA



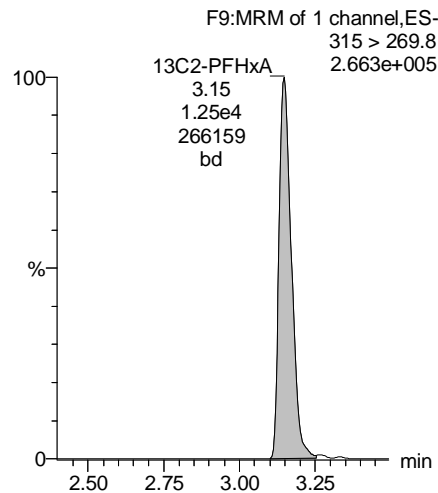
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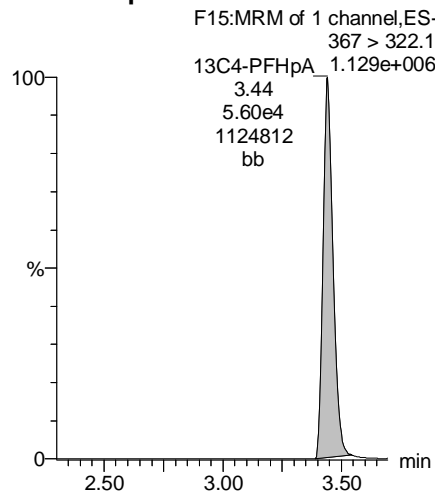
13C3-PFBS



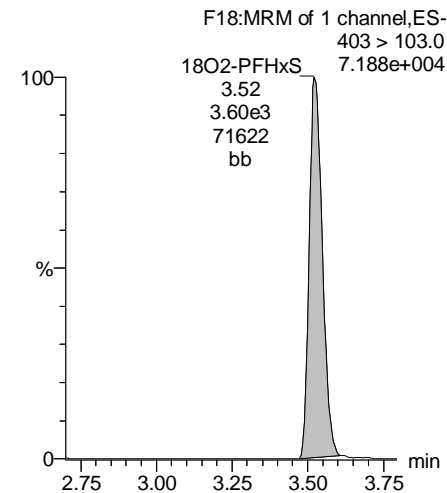
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



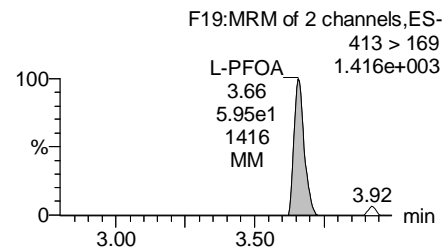
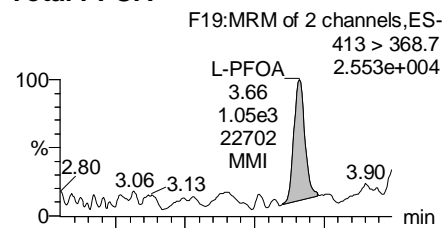
Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

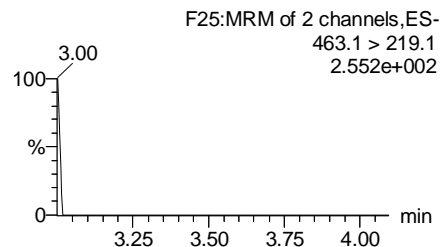
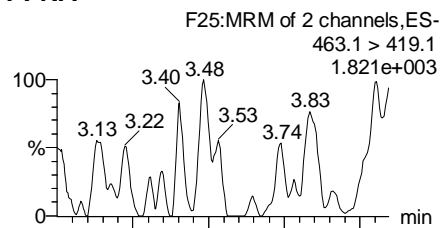
Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

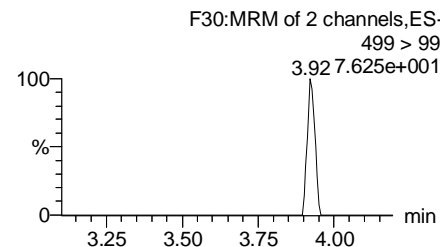
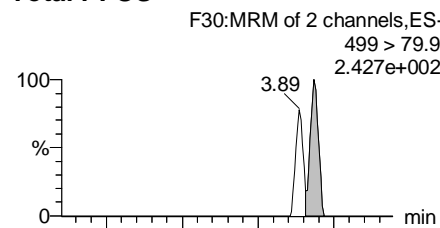
Total PFOA



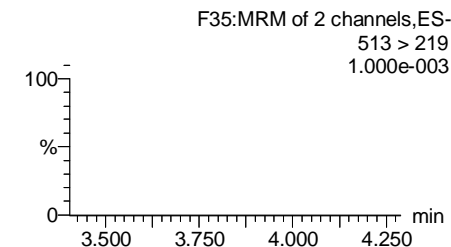
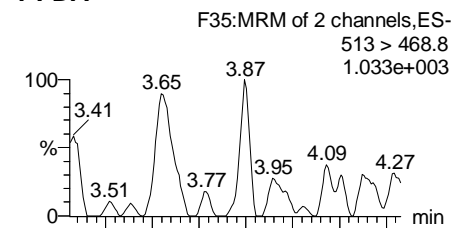
PFNA



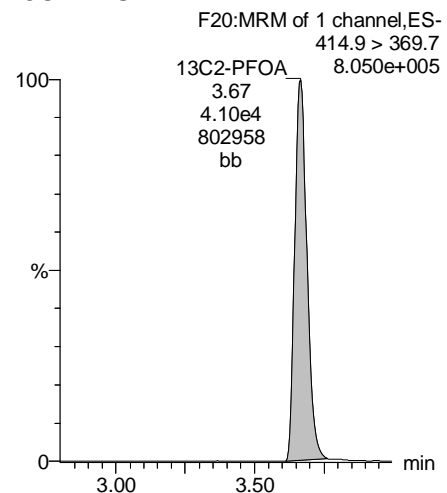
Total PFOS



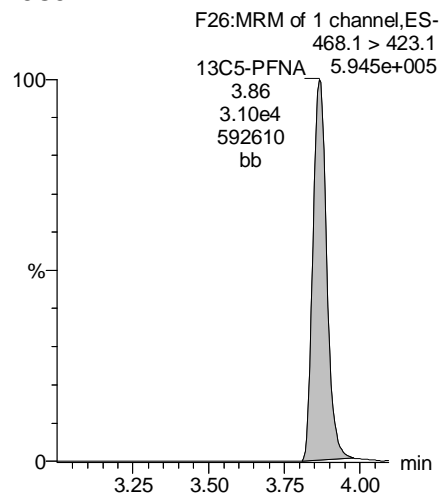
PFDA



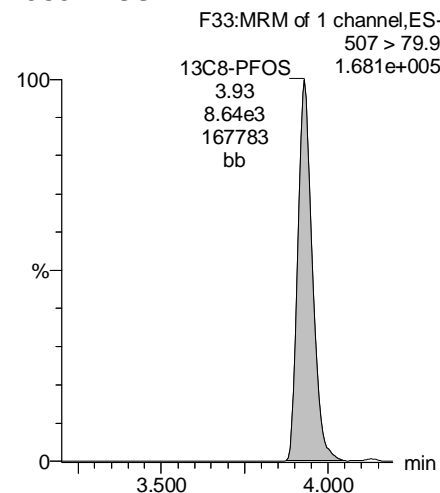
13C2-PFOA



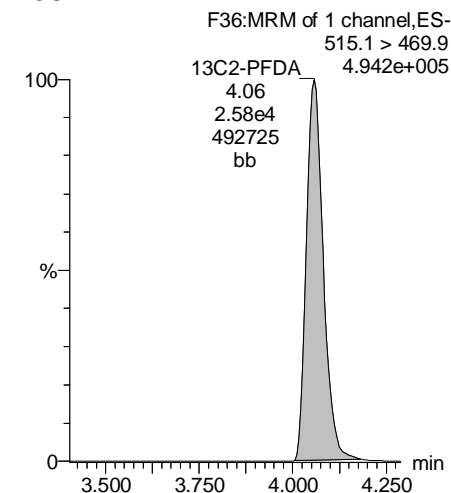
13C5-PFNA



13C8-PFOS



13C2-PFDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

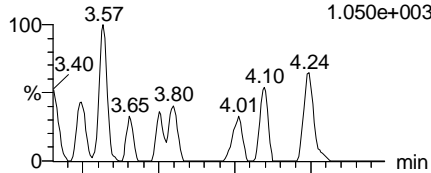
Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

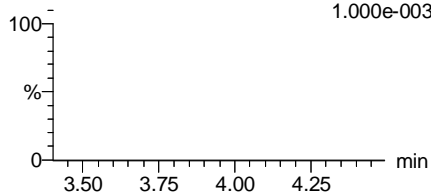
Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
1.050e+003

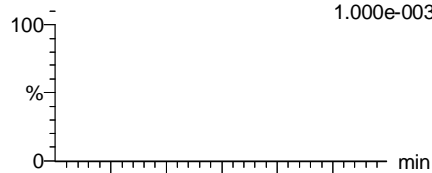


F43:MRM of 2 channels,ES-
562.9 > 269
1.000e-003

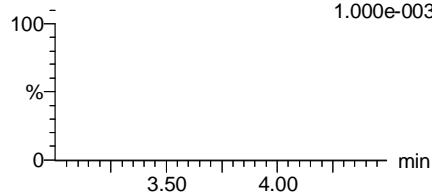


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

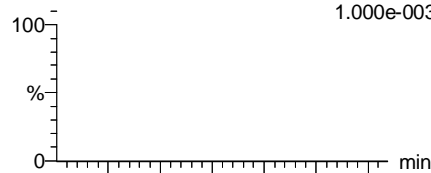


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

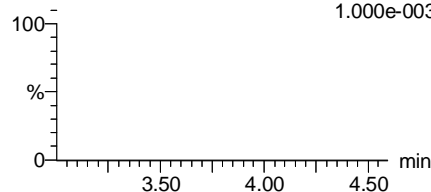


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.000e-003

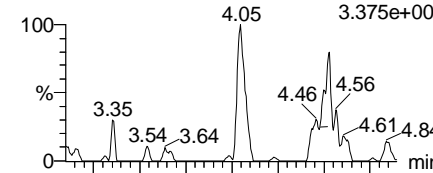


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.000e-003

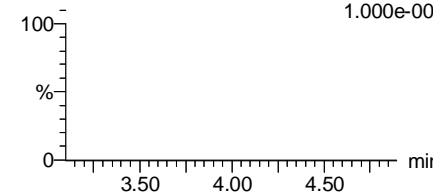


PFDaA

F51:MRM of 4 channels,ES-
613.0 > 569.1
3.375e+003

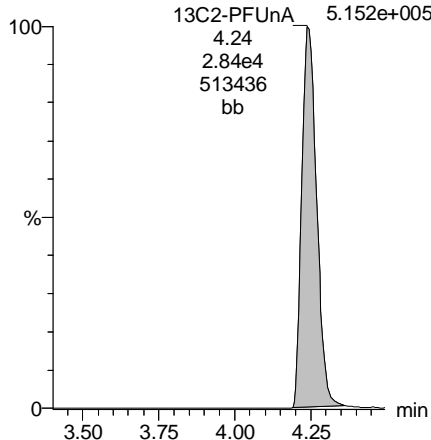


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



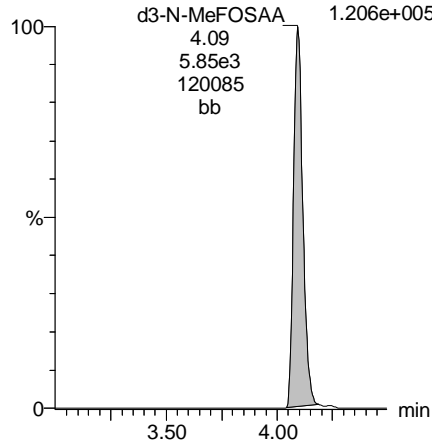
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
5.152e+005



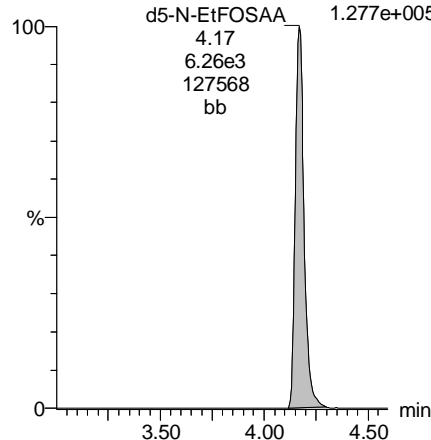
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
1.206e+005



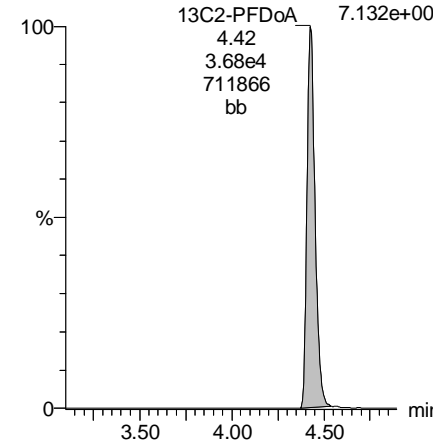
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
1.277e+005



13C2-PFDaA

F52:MRM of 2 channels,ES-
615.1 > 570.1
7.132e+005



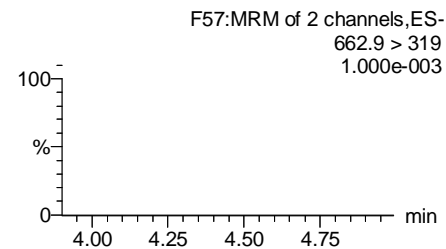
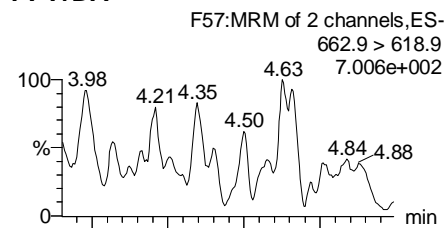
Dataset: U:\Q4.PRO\results\171003M2\171003M2-65.qld

Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

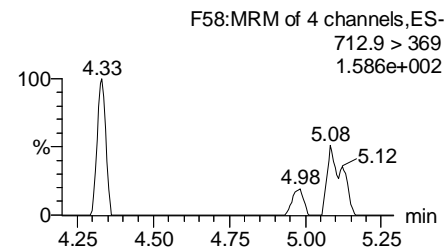
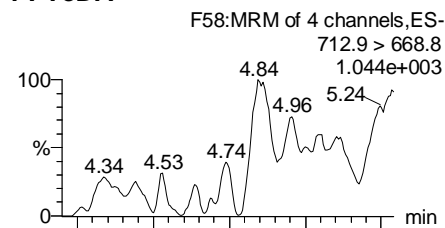
Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

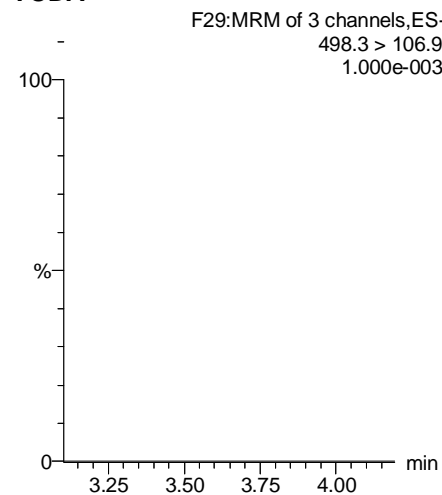
PFTrDA



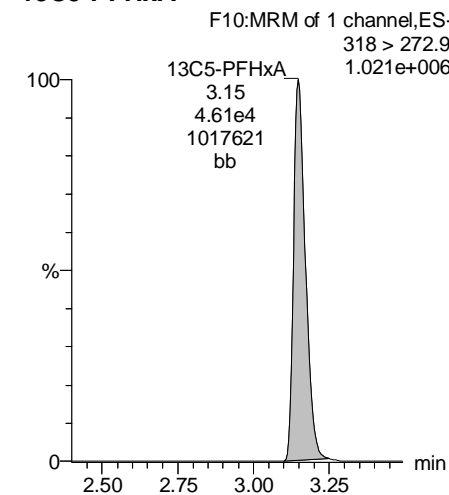
PFTeDA



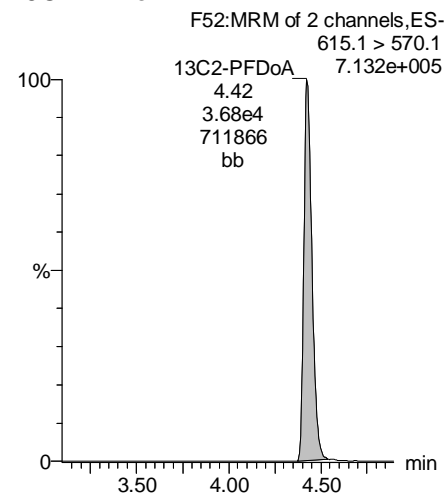
TCDA



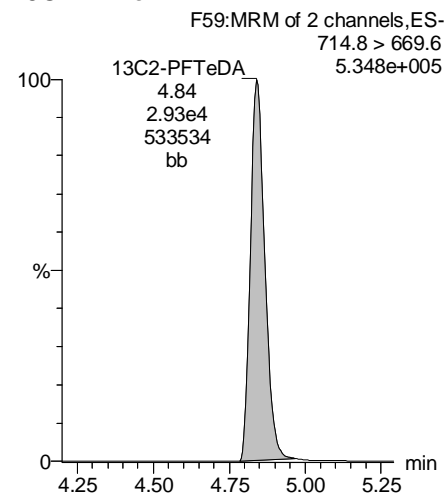
13C5-PFHxA



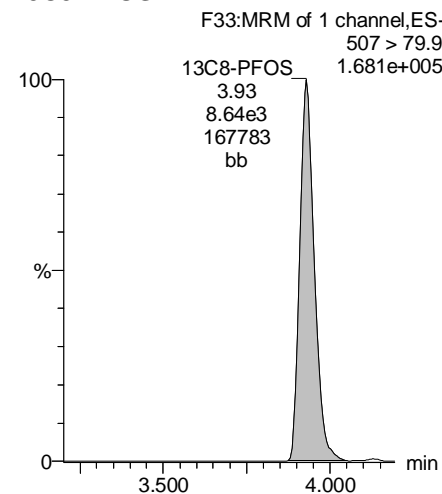
13C2-PFDoA



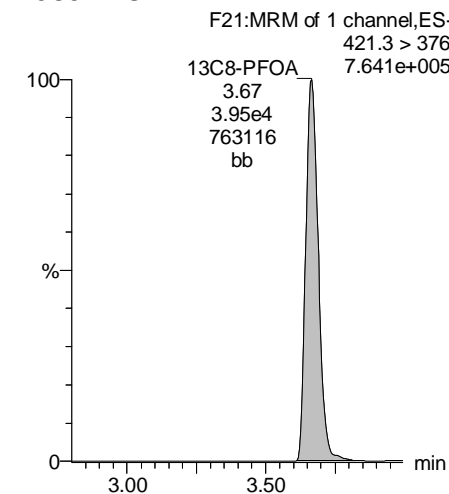
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



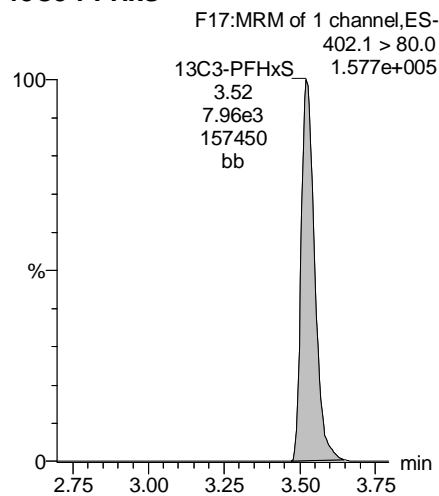
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Last Altered: Tuesday, October 31, 2017 12:24:15 Pacific Daylight Time

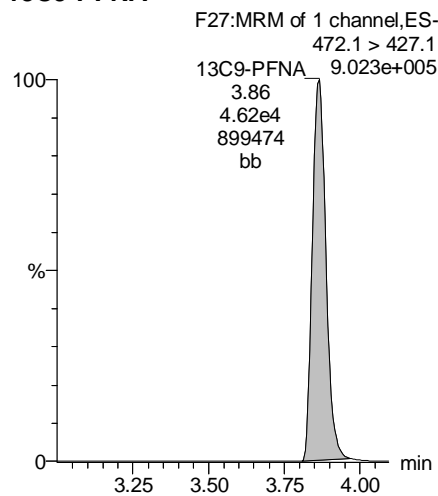
Printed: Tuesday, October 31, 2017 12:25:07 Pacific Daylight Time

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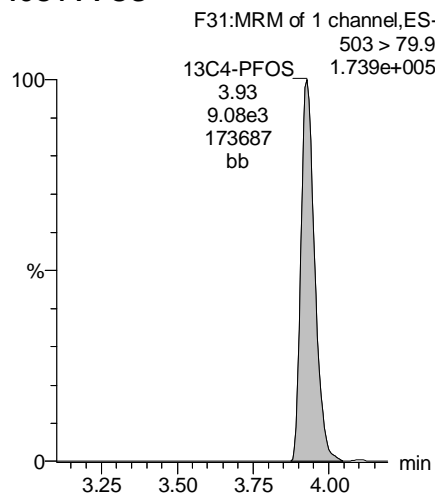
13C3-PFHxS



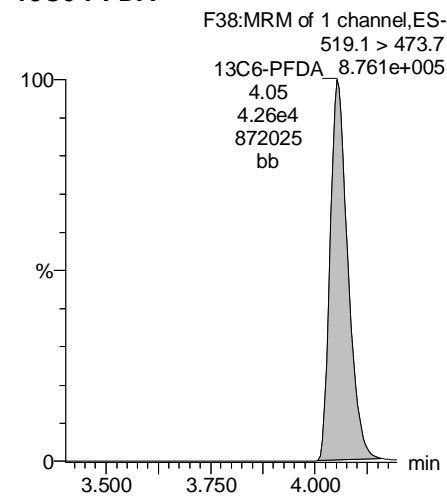
13C9-PFNA



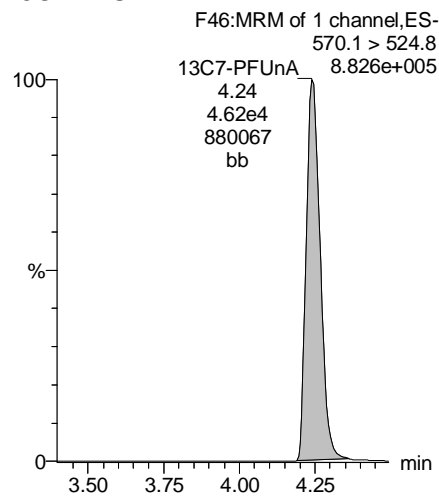
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-66.qld

Last Altered: Tuesday, October 31, 2017 12:28:10 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:33:11 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		8.79e3	0.1132		3.25				
2	4 PFHxA	313.2 > 268.9		1.19e4	0.1132		3.46				
3	5 PFHpA	363.1 > 319.1		5.58e4	0.1132		3.72				
4	6 L-PFHxS	399.0 > 80.0	4.03e1	4.00e3	0.1132		3.79	3.55	0.126	0.184	
5	9 L-PFOA	413 > 368.7	9.19e2	4.09e4	0.1132		3.93	3.67	0.281		
6	12 PFNA	463.1 > 419.1		3.59e4	0.1132		4.13				
7	14 L-PFOS	499 > 79.9	8.41e1	8.23e3	0.1132		4.19	3.92	0.128	1.074	
8	16 PFDA	513 > 468.8		2.65e4	0.1132		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.57e3	0.1132		4.32				
10	19 N-EtFOSAA	584.2 > 419		6.45e3	0.1132		4.42				
11	20 PFUnA	562.9 > 518.9		3.45e4	0.1132		4.52				
12	22 PFDoA	613.0 > 569.1		3.44e4	0.1132		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-66.qld

Last Altered: Tuesday, October 31, 2017 12:28:10 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:33:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.44e4	0.1132		4.93					
2	25	PFTeDA	712.9 > 668.8	3.05e4	0.1132		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1132		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.65e4	0.1132	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	8.79e3	4.65e4	0.051	3.25	2.89	0.945	164.771	149.2	
6	34	13C2-PFHxA	315 > 269.8	1.19e4	4.65e4	0.1132	3.46	3.15	1.28	41.239	93.3	
7	35	13C4-PFHpA	367 > 322.1	5.58e4	4.65e4	0.1132	3.72	3.44	6.01	95.072	86.1	
8	36	18O2-PFHxS	403 > 103.0	4.00e3	7.46e3	0.1132	3.79	3.52	6.70	120.799	109.4	
9	37	13C2-6:2 FTS	429.1 > 408.9	4.36e3	3.84e4	0.1132	3.92	3.65	1.42	85.804	77.7	
10	38	13C2-PFOA	414.9 > 369.7	4.09e4	3.84e4	0.1132	3.93	3.66	13.3	102.189	92.5	
11	39	13C5-PFNA	468.1 > 423.1	3.59e4	5.01e4	0.1132	0.857	4.13	3.86	8.95	92.243	83.5
12	40	13C8-PFOSA	506.1 > 78.0	3.23e3	5.22e4	0.1132	0.136	4.14	3.87	0.774	50.150	45.4
13	41	13C8-PFOS	507 > 79.9	8.23e3	8.53e3	0.1132	0.990	4.19	3.93	12.1	107.593	97.4
14	42	13C2-PFDA	515.1 > 469.9	2.65e4	4.37e4	0.1132	0.882	4.32	4.05	7.57	75.793	68.6
15	43	13C2-8:2 FTS	529.1 > 508.7	3.15e3	4.37e4	0.1132	0.105	4.31	4.05	0.902	76.151	68.9
16	44	d3-N-MeFOSAA	573.3 > 419	5.57e3	5.22e4	0.1132	0.015	4.35	4.09	1.33	808.928	56.3
17	45	d5-N-EtFOSAA	589.3 > 419	6.45e3	5.22e4	0.1132	0.015	4.42	4.17	1.55	892.566	62.2
18	46	13C2-PFUnA	565 > 519.8	3.45e4	5.22e4	0.1132	0.943	4.52	4.24	8.27	77.471	70.1
19	47	13C2-PFDoA	615.1 > 570.1	3.44e4	5.22e4	0.1132	0.951	4.72	4.42	8.25	76.660	69.4
20	49	13C2-PFTeDA	714.8 > 669.6	3.05e4	5.22e4	0.1132	0.728	5.15	4.84	7.30	88.625	80.2
21	54	13C4-PFBA	217.1 > 172.1		0.1132		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.65e4	4.65e4	0.1132	1.000	3.46	3.15	5.00	44.177	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.46e3	7.46e3	0.1132	1.000	3.79	3.52	12.5	110.444	100.0
24	57	13C8-PFOA	421.3 > 376	3.84e4	3.84e4	0.1132	1.000	3.93	3.66	12.5	110.444	100.0
25	58	13C9-PFNA	472.1 > 427.1	5.01e4	5.01e4	0.1132	1.000	4.13	3.86	12.5	110.444	100.0
26	59	13C4-PFOS	503 > 79.9	8.53e3	8.53e3	0.1132	1.000	4.19	3.92	12.5	110.444	100.0
27	60	13C6-PFDA	519.1 > 473.7	4.37e4	4.37e4	0.1132	1.000	4.32	4.05	12.5	110.444	100.0
28	61	13C7-PFUnA	570.1 > 524.8	5.22e4	5.22e4	0.1132	1.000	4.52	4.24	12.5	110.444	100.0
29	62	Total PFHxS	399.0 > 80.0	4.03e1	4.00e3	0.1132		3.79		0.126	0.184	
30	63	Total PFOA	413 > 368.7	9.19e2	4.09e4	0.1132		3.93		0.000		
31	64	Total PFOS	499 > 79.9	8.41e1	8.23e3	0.1132		4.19		0.128	1.074	
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.57e3	0.1132		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-66.qld

Last Altered: Tuesday, October 31, 2017 12:28:10 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:33:25 Pacific Daylight Time

Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	6.45e3	0.1132		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	1.00e3		0.1132		0.00		0.128	1.074	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-66.qld

Last Altered: Tuesday, October 31, 2017 12:28:10 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:33:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.55	40.261	3998.443	0.126	MM	0.2

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	919.184	40904.828	0.281	MMI	

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	14 L-PFOS	499 > 79.9	3.92	84.122	8225.020	0.128	MM	1.1

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.67	919.184	40904.828	0.281	MMI	
2	14 L-PFOS	499 > 79.9	3.92	84.122	8225.020	0.128	MM	1.1

Dataset: U:\Q4.PRO\results\171003M2\171003M2-66.qld

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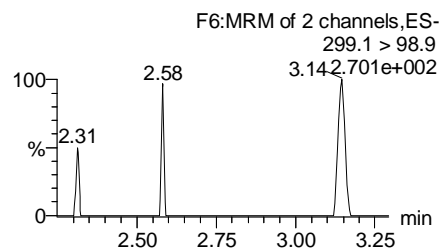
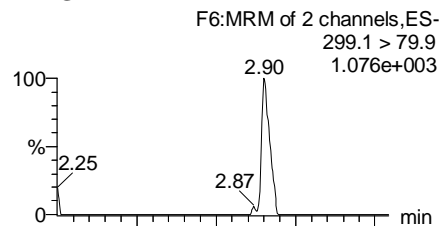
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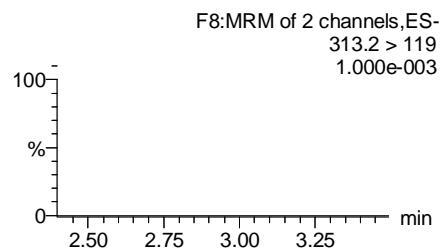
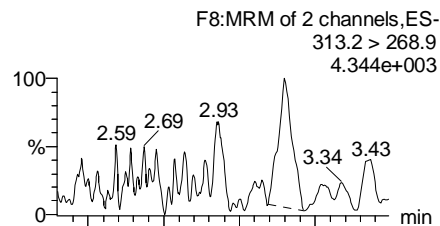
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Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

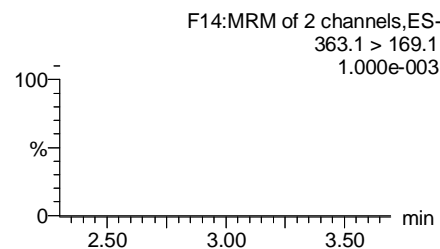
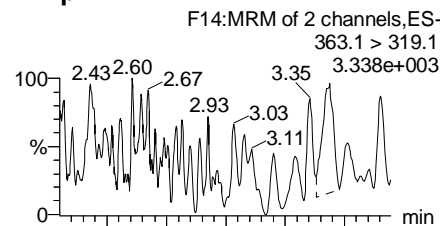
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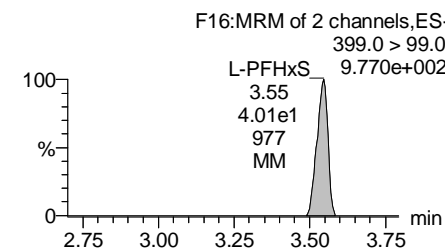
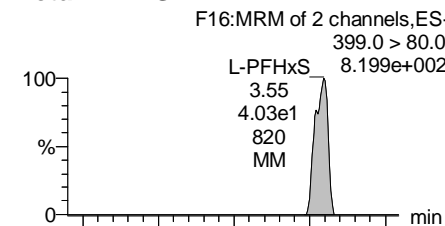
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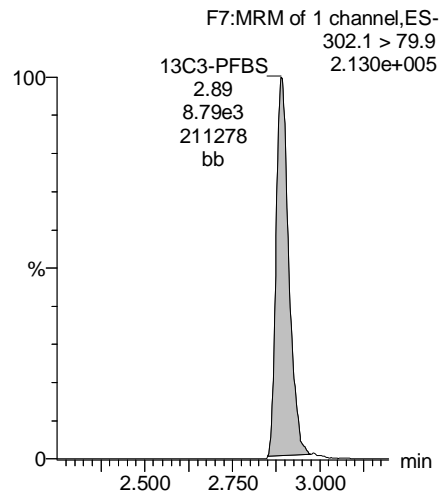
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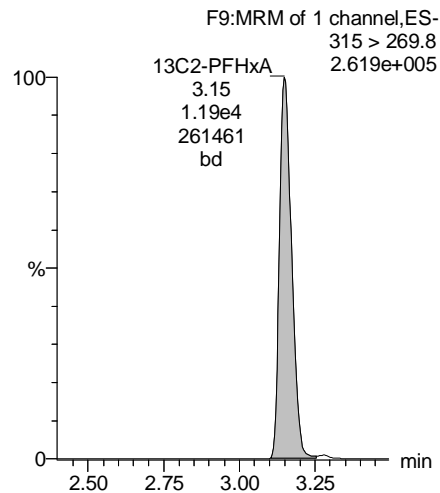
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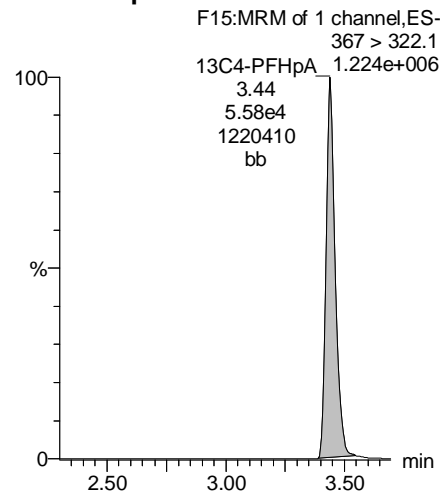
13C3-PFBS



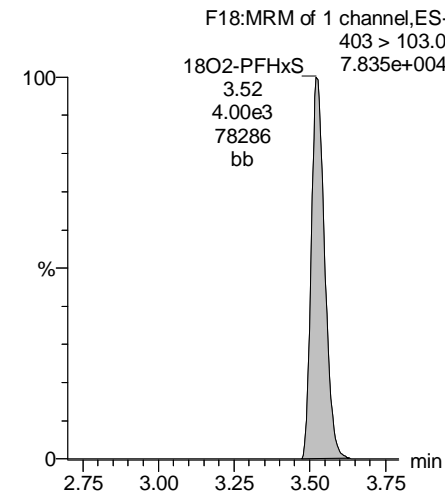
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



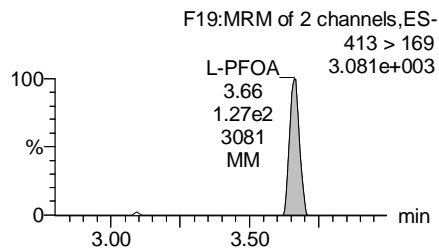
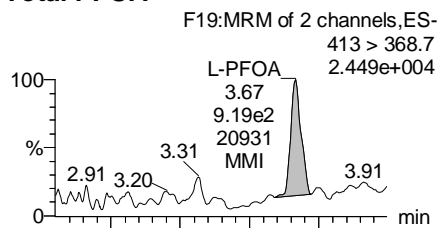
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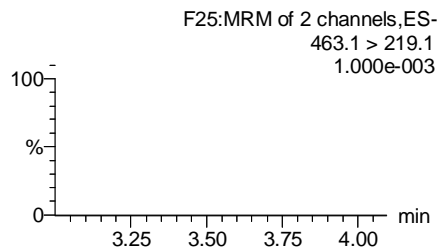
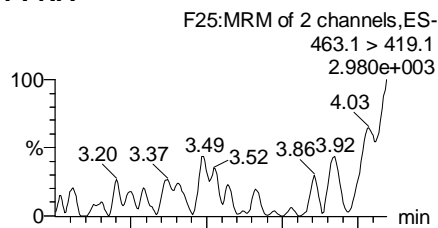
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Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

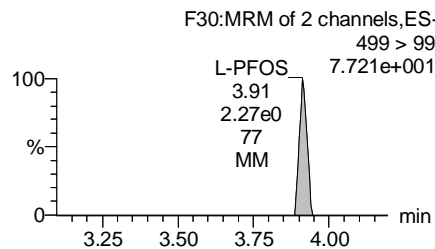
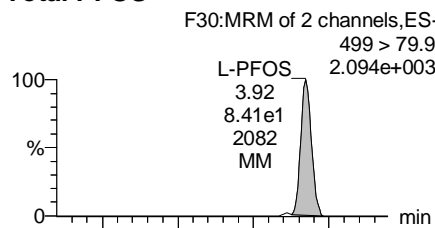
Total PFOA



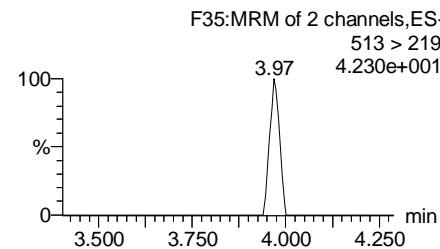
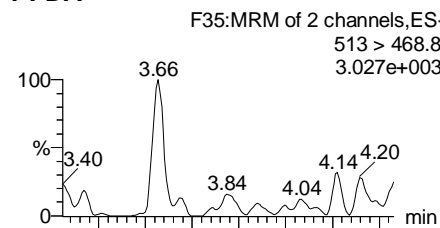
PFNA



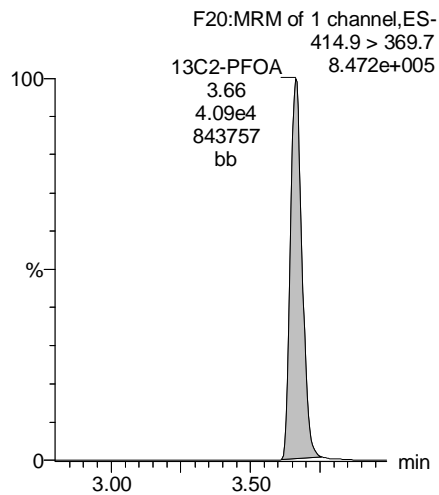
Total PFOS



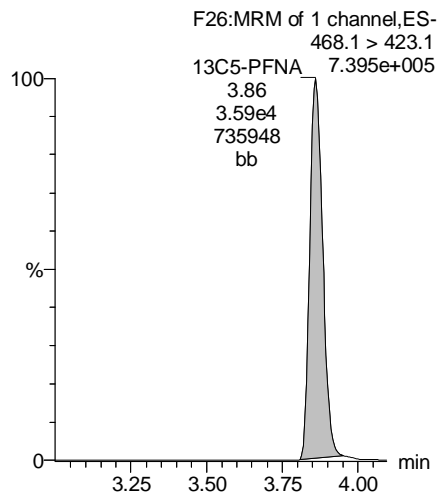
PFDA



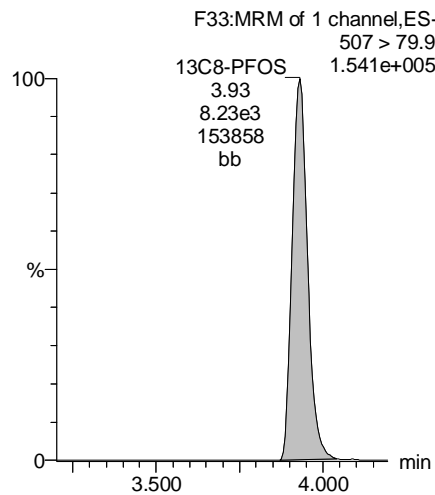
13C2-PFOA



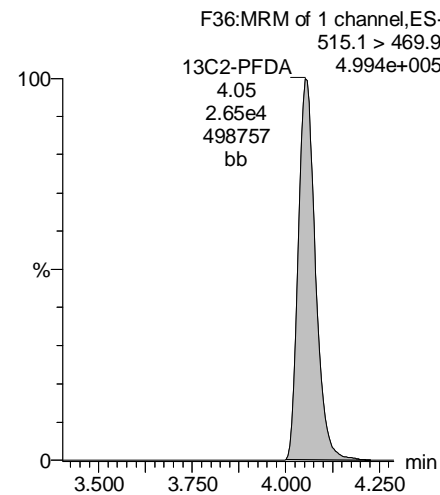
13C5-PFNA



13C8-PFOS



13C2-PFDA



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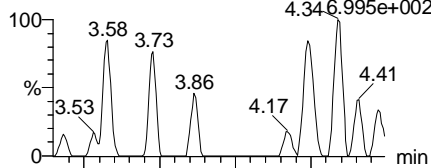
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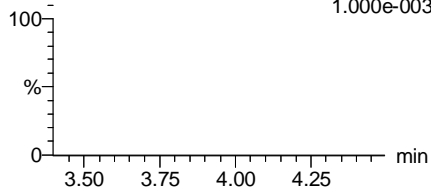
Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
4.346.995e+002

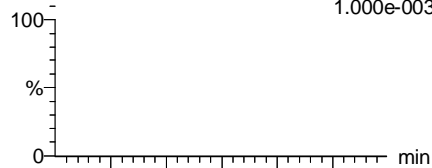


F43:MRM of 2 channels,ES-
562.9 > 269
1.000e-003

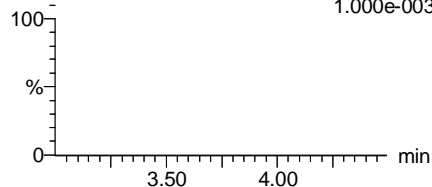


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

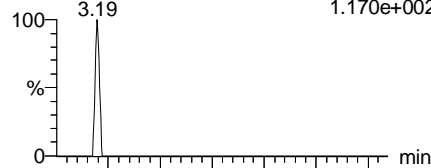


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

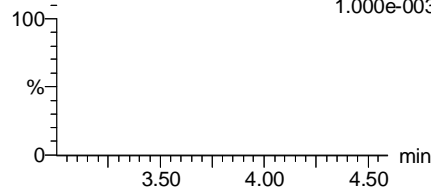


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.170e+002

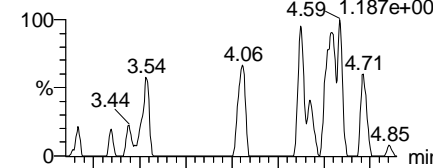


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.000e-003

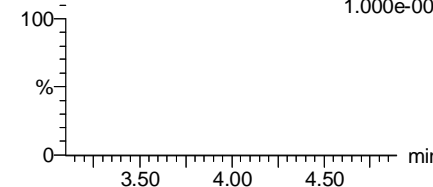


PFDoA

F51:MRM of 4 channels,ES-
613.0 > 569.1
1.187e+003

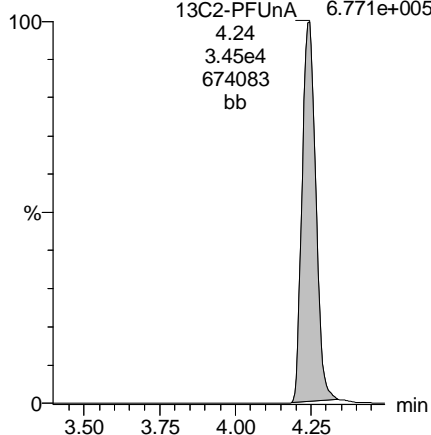


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



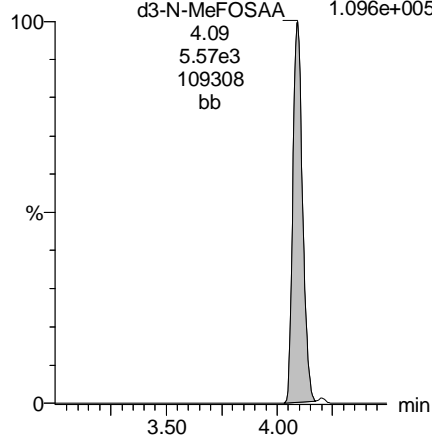
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
6.771e+005



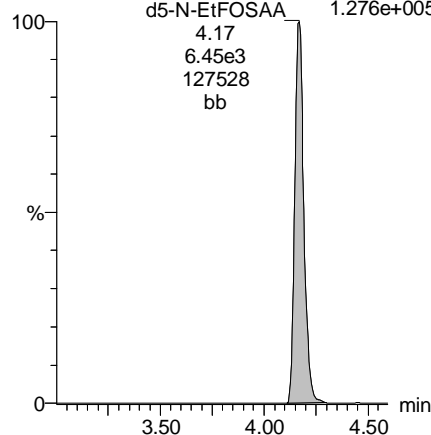
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
1.096e+005



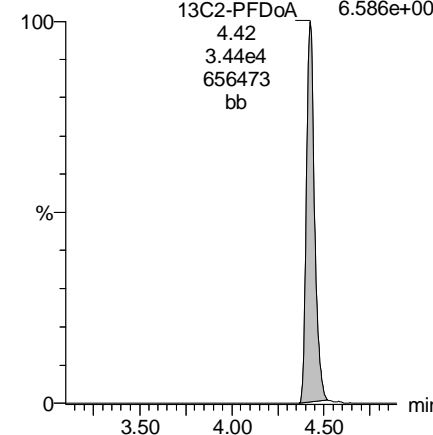
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
1.276e+005



13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
6.586e+005



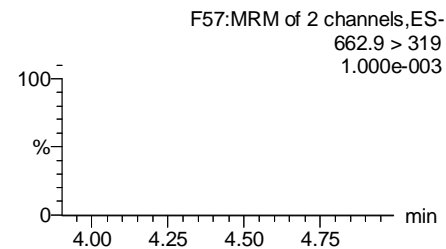
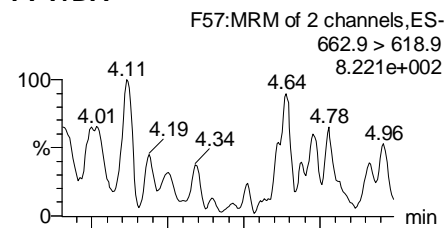
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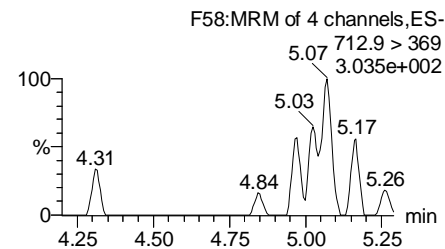
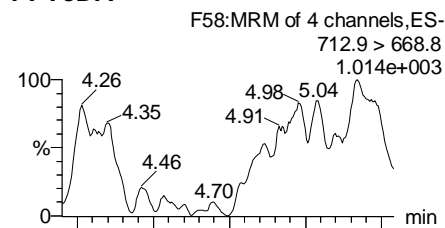
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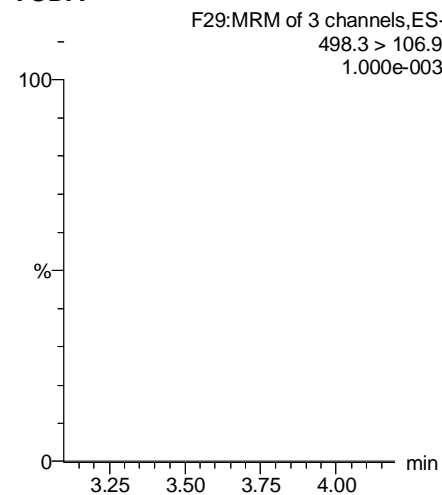
PFTrDA



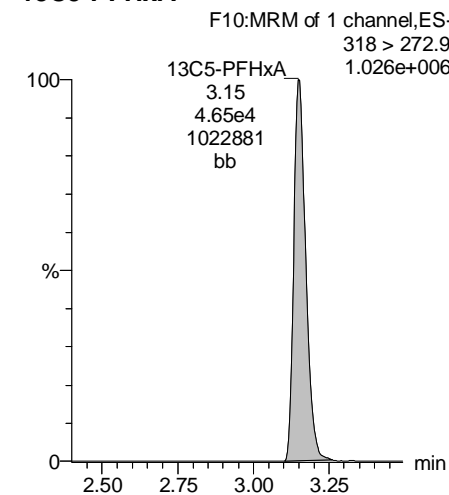
PFTeDA



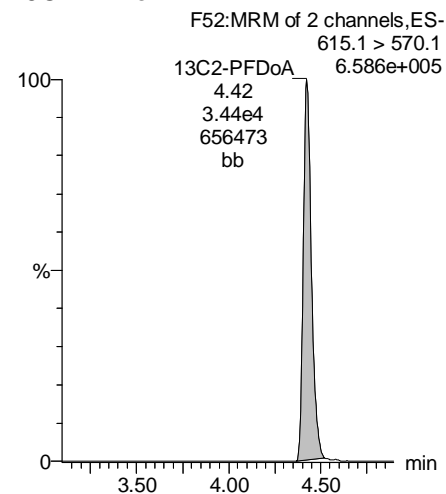
TCDA



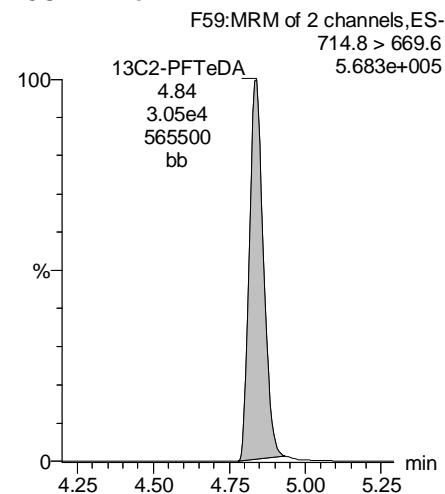
13C5-PFHxA



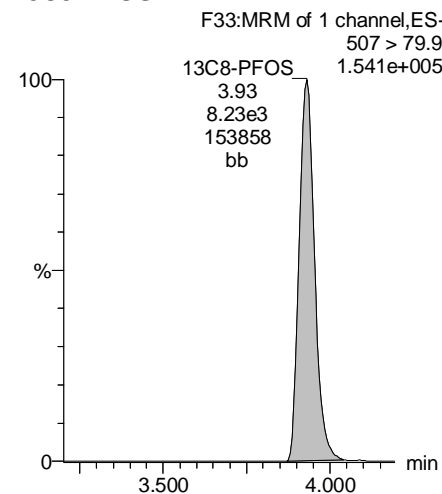
13C2-PFDoA



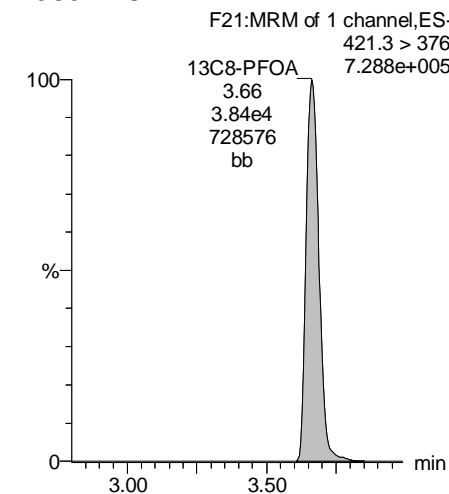
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



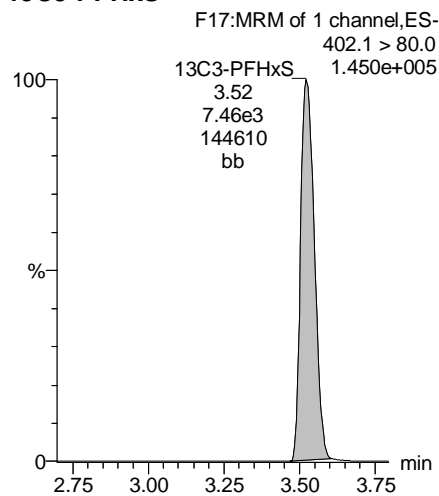
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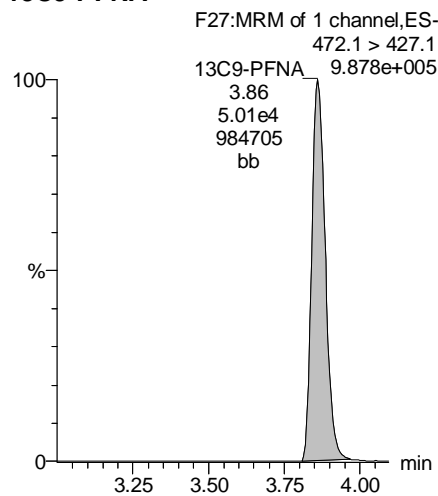
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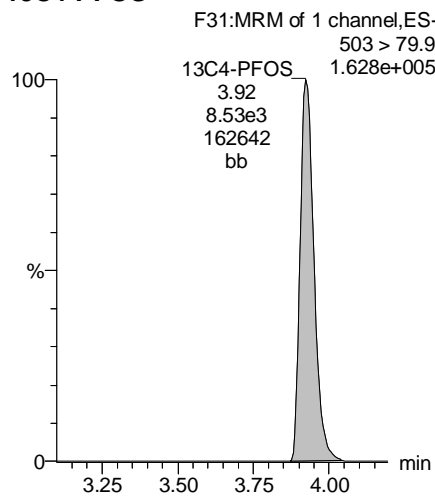
13C3-PFHxS



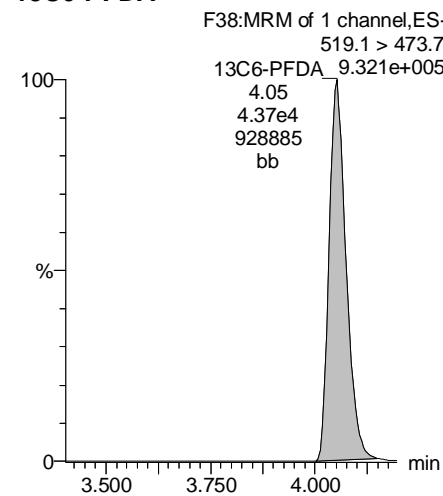
13C9-PFNA



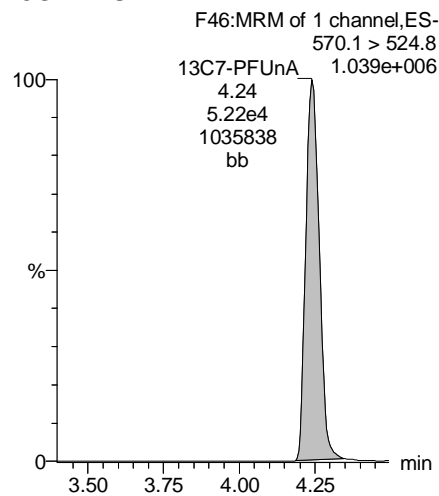
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:36:15 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9	5.75e3	7.81e3	0.1149		3.25	2.89	9.20	76.622	
2	4 PFHxA	313.2 > 268.9	1.39e5	1.18e4	0.1149		3.46	3.15	58.5	328.866	
3	5 PFHpA	363.1 > 319.1	3.80e4	5.06e4	0.1149		3.72	3.44	9.38	82.025	
4	6 L-PFHxS	399.0 > 80.0	7.23e3	3.48e3	0.1149		3.79	3.53	26.0	95.134	
5	9 L-PFOA	413 > 368.7	1.90e3	3.81e4	0.1149		3.93	3.66	0.626	2.249	
6	12 PFNA	463.1 > 419.1		3.30e4	0.1149		4.13				
7	14 L-PFOS	499 > 79.9		8.00e3	0.1149		4.19				
8	16 PFDA	513 > 468.8		2.39e4	0.1149		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.34e3	0.1149		4.32				
10	19 N-EtFOSAA	584.2 > 419		5.66e3	0.1149		4.42				
11	20 PFUnA	562.9 > 518.9		3.22e4	0.1149		4.52				
12	22 PFDoA	613.0 > 569.1		3.02e4	0.1149		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.02e4	0.1149		4.93					
2	25	PFTeDA	712.9 > 668.8	2.60e4	0.1149		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1149		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.33e4	0.1149	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	7.81e3	4.33e4	0.1149	3.25	2.90	0.901	154.720	142.3	
6	34	13C2-PFHxA	315 > 269.8	1.18e4	4.33e4	0.1149	3.46	3.15	1.37	43.293	99.5	
7	35	13C4-PFHpA	367 > 322.1	5.06e4	4.33e4	0.1149	3.72	3.44	5.84	90.973	83.6	
8	36	18O2-PFHxS	403 > 103.0	3.48e3	7.08e3	0.1149	3.79	3.52	6.15	109.240	100.4	
9	37	13C2-6:2 FTS	429.1 > 408.9	4.12e3	3.64e4	0.1149	3.92	3.65	1.41	84.107	77.3	
10	38	13C2-PFOA	414.9 > 369.7	3.81e4	3.64e4	0.1149	3.93	3.66	13.1	98.656	90.7	
11	39	13C5-PFNA	468.1 > 423.1	3.30e4	4.37e4	0.1149	0.857	4.13	3.86	9.45	95.940	88.2
12	40	13C8-PFOSA	506.1 > 78.0	2.86e3	4.08e4	0.1149	0.136	4.14	3.87	0.877	55.947	51.4
13	41	13C8-PFOS	507 > 79.9	8.00e3	7.75e3	0.1149	0.990	4.19	3.92	12.9	113.524	104.4
14	42	13C2-PFDA	515.1 > 469.9	2.39e4	3.37e4	0.1149	0.882	4.32	4.06	8.88	87.561	80.5
15	43	13C2-8:2 FTS	529.1 > 508.7	2.71e3	3.37e4	0.1149	0.105	4.31	4.05	1.01	83.576	76.8
16	44	d3-N-MeFOSAA	573.3 > 419	5.34e3	4.08e4	0.1149	0.015	4.35	4.09	1.64	978.252	69.2
17	45	d5-N-EtFOSAA	589.3 > 419	5.66e3	4.08e4	0.1149	0.015	4.42	4.16	1.74	987.155	69.8
18	46	13C2-PFUnA	565 > 519.8	3.22e4	4.08e4	0.1149	0.943	4.52	4.23	9.86	91.016	83.7
19	47	13C2-PFDoA	615.1 > 570.1	3.02e4	4.08e4	0.1149	0.951	4.72	4.42	9.25	84.603	77.8
20	49	13C2-PFTeDA	714.8 > 669.6	2.60e4	4.08e4	0.1149	0.728	5.15	4.83	7.97	95.352	87.7
21	54	13C4-PFBA	217.1 > 172.1		0.1149		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.33e4	4.33e4	0.1149	1.000	3.46	3.15	5.00	43.505	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.08e3	7.08e3	0.1149	1.000	3.79	3.52	12.5	108.762	100.0
24	57	13C8-PFOA	421.3 > 376	3.64e4	3.64e4	0.1149	1.000	3.93	3.67	12.5	108.762	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.37e4	4.37e4	0.1149	1.000	4.13	3.86	12.5	108.762	100.0
26	59	13C4-PFOS	503 > 79.9	7.75e3	7.75e3	0.1149	1.000	4.19	3.93	12.5	108.762	100.0
27	60	13C6-PFDA	519.1 > 473.7	3.37e4	3.37e4	0.1149	1.000	4.32	4.06	12.5	108.762	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.08e4	4.08e4	0.1149	1.000	4.52	4.24	12.5	108.762	100.0
29	62	Total PFHxS	399.0 > 80.0	7.23e3	3.48e3	0.1149		3.79		26.0	95.134	
30	63	Total PFOA	413 > 368.7	1.90e3	3.81e4	0.1149		3.93		0.626	2.249	
31	64	Total PFOS	499 > 79.9	0.00e0	8.00e3	0.1149		4.19		0.000		
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.34e3	0.1149		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	5.66e3	0.1149		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	1.90e3		0.1149		0.00		0.626	2.249	

Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.53	7229.954	3481.396	25.959	MM	95.1
2	7 Br-PFHxS	399.0 > 80.0			3481.396		MM-I	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	1904.356	38052.152	0.626	MM	2.2

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	3.66	1904.356	38052.152	0.626	MM	2.2

Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

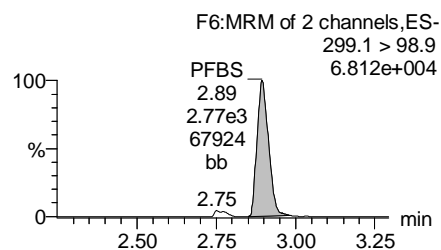
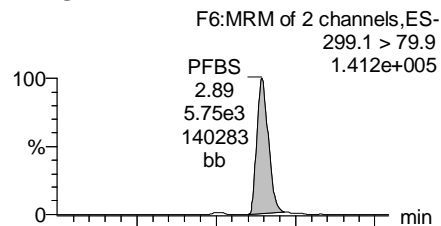
Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

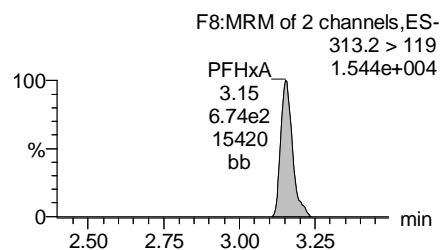
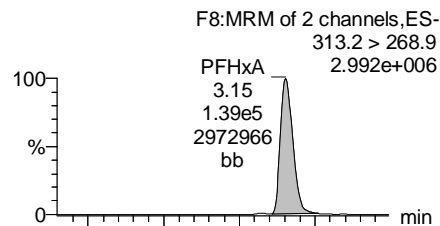
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

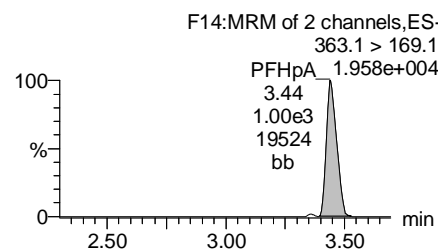
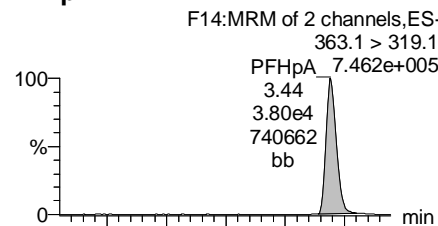
PFBS



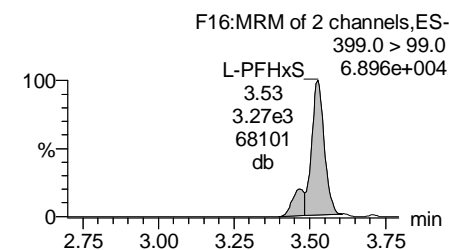
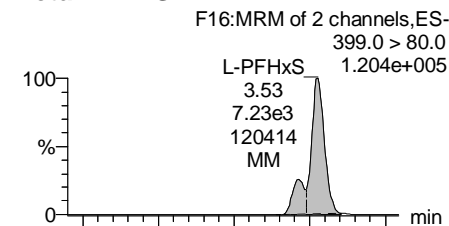
PFHxA



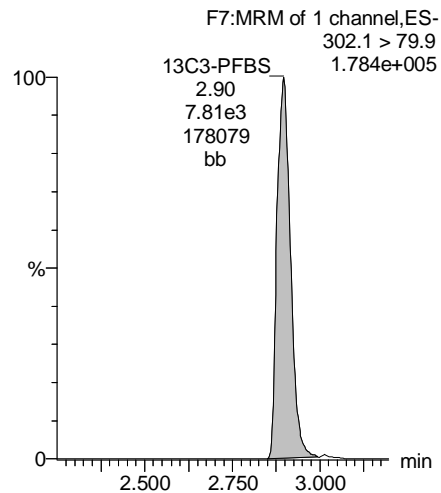
PFHpA



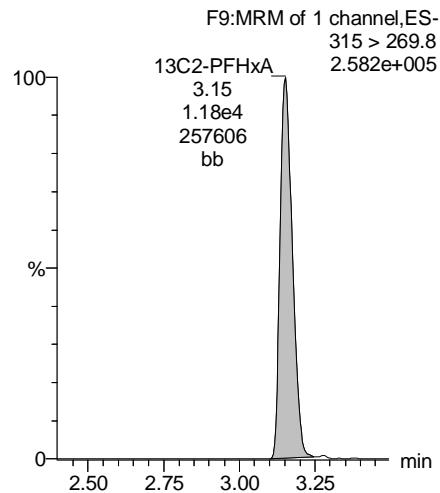
Total PFHxS



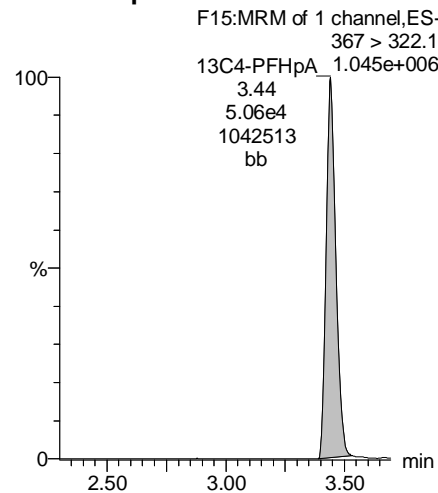
13C3-PFBS



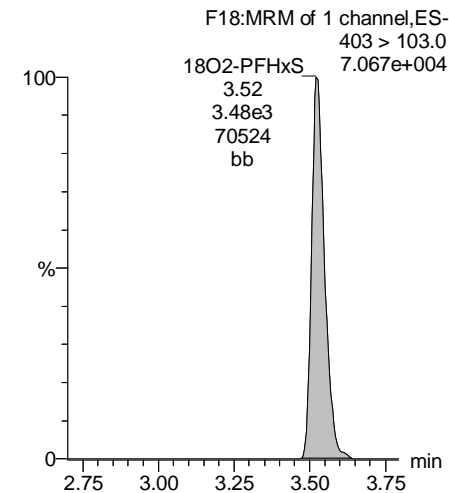
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

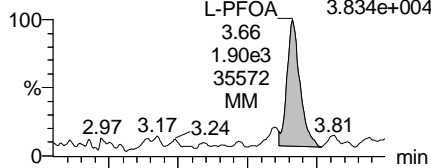
Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

Total PFOA

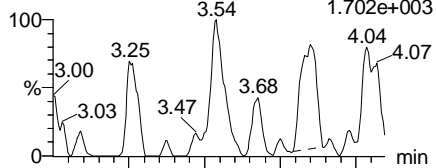
F19:MRM of 2 channels,ES-
413 > 368.7
3.834e+004

L-PFOA
3.66
1.90e3
35572
MM



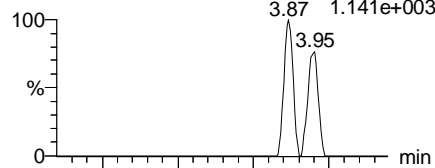
PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
1.702e+003



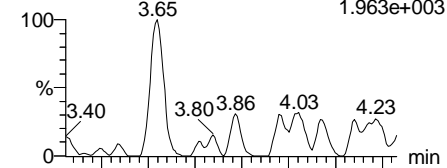
Total PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
1.141e+003

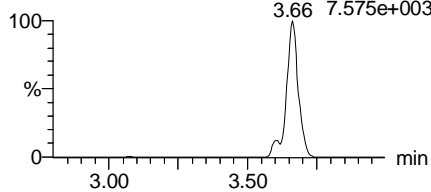


PFDA

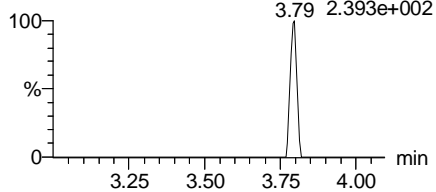
F35:MRM of 2 channels,ES-
513 > 468.8
1.963e+003



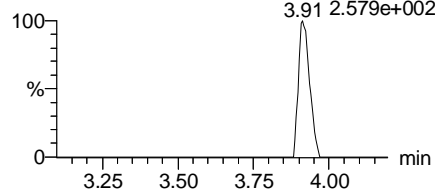
F19:MRM of 2 channels,ES-
413 > 169
7.575e+003



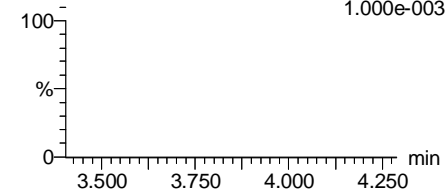
F25:MRM of 2 channels,ES-
463.1 > 219.1
2.393e+002



F30:MRM of 2 channels,ES-
499 > 99
2.579e+002



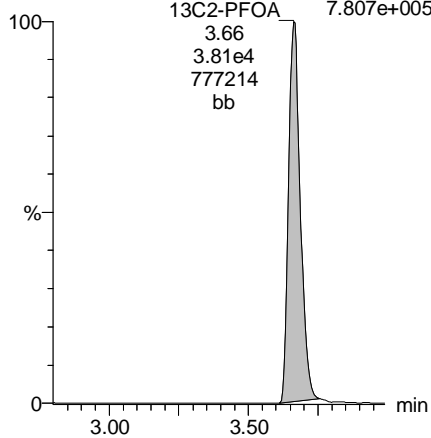
F35:MRM of 2 channels,ES-
513 > 219
1.000e-003



13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
7.807e+005

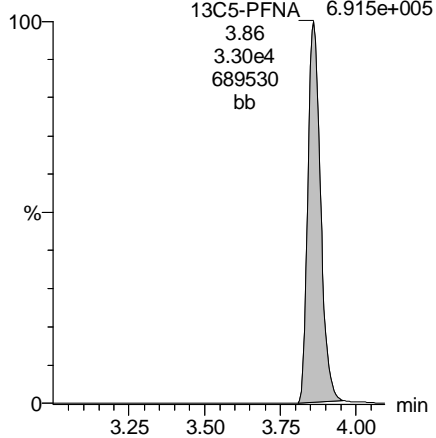
13C2-PFOA
3.66
3.81e4
777214
bb



13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
6.915e+005

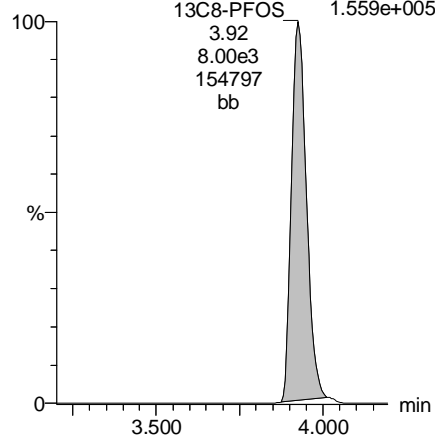
13C5-PFNA
3.86
3.30e4
689530
bb



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.559e+005

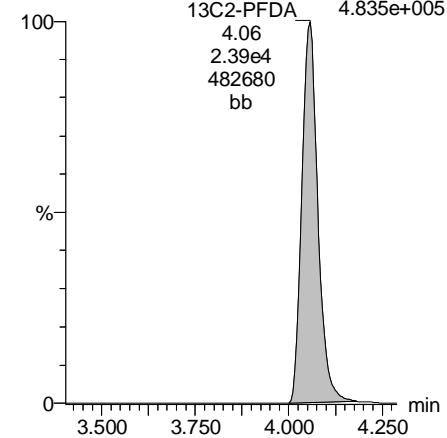
13C8-PFOS
3.92
8.00e3
154797
bb



13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
4.835e+005

13C2-PFDA
4.06
2.39e4
482680
bb



Dataset: U:\Q4.PRO\results\171003M2\171003M2-67.qld

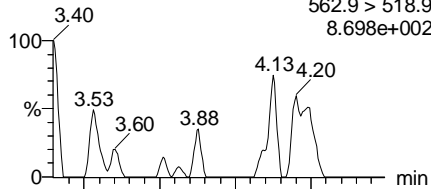
Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

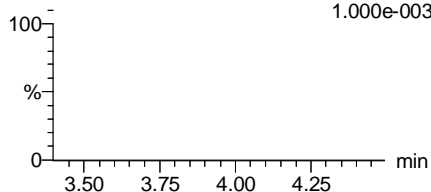
Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
8.698e+002

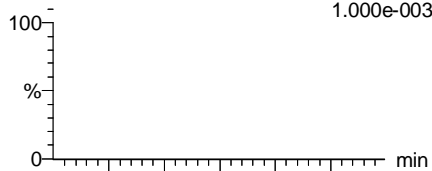


F43:MRM of 2 channels,ES-
562.9 > 269
1.000e-003

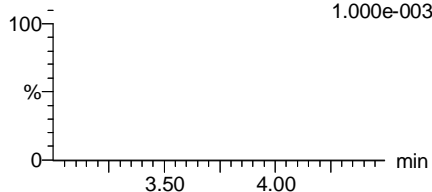


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

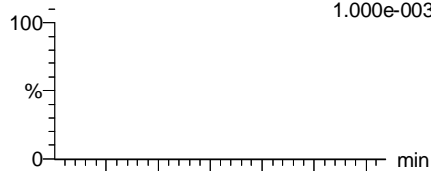


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

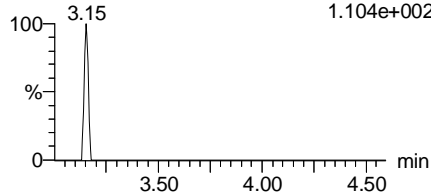


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.000e-003

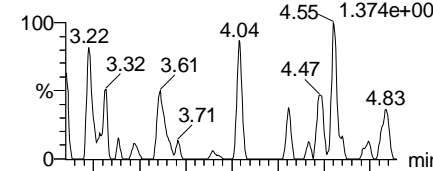


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.104e+002

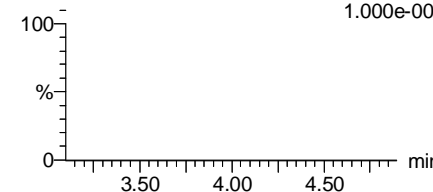


PFDaA

F51:MRM of 4 channels,ES-
613.0 > 569.1
1.374e+003

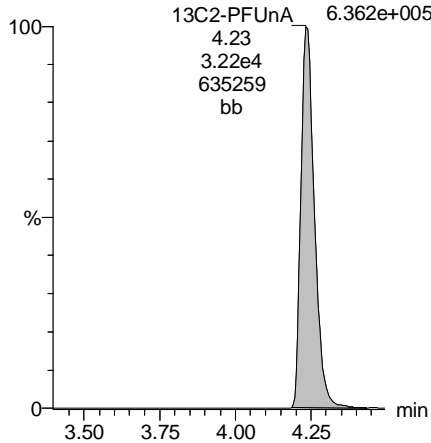


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



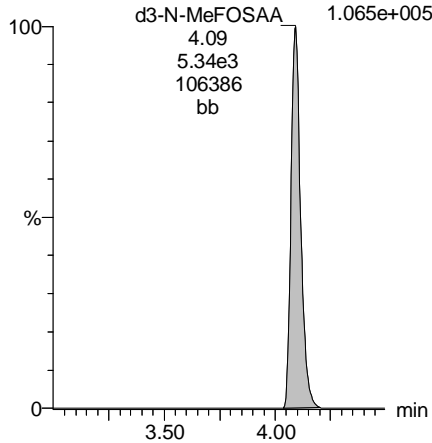
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
6.362e+005



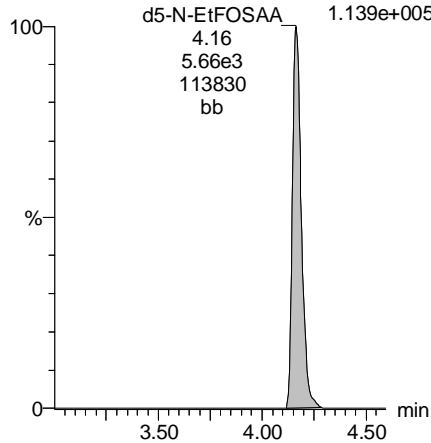
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
1.065e+005



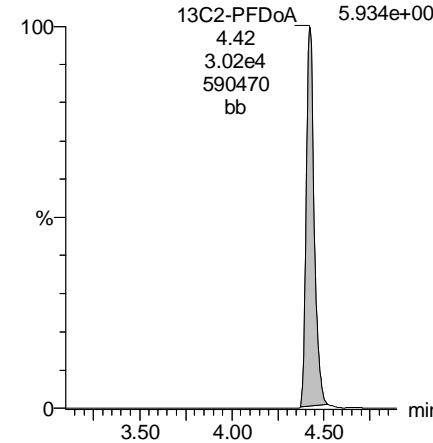
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
1.139e+005



13C2-PFDaA

F52:MRM of 2 channels,ES-
615.1 > 570.1
5.934e+005



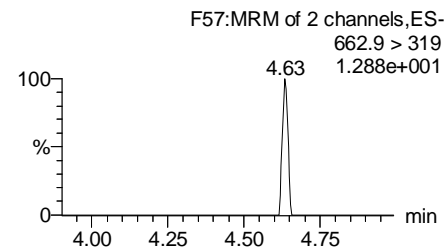
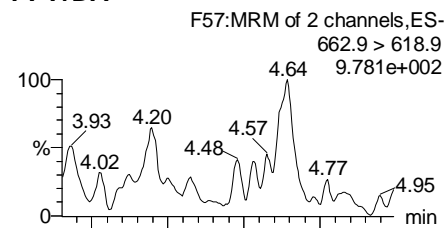
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Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

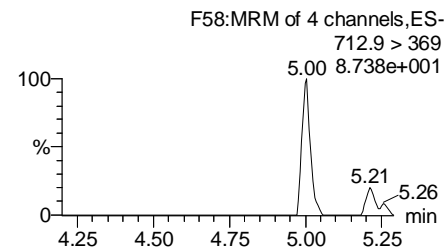
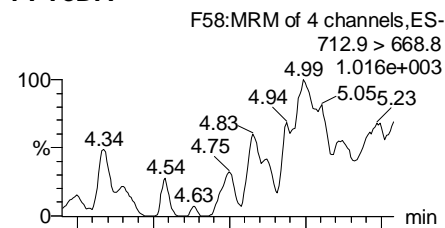
Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

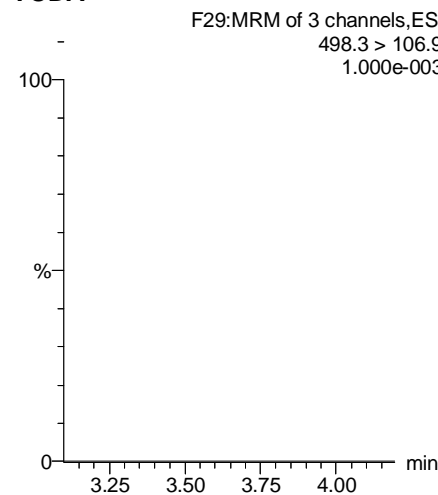
PFTrDA



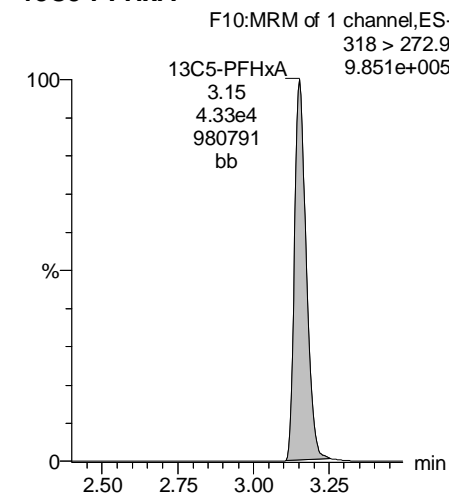
PFTeDA



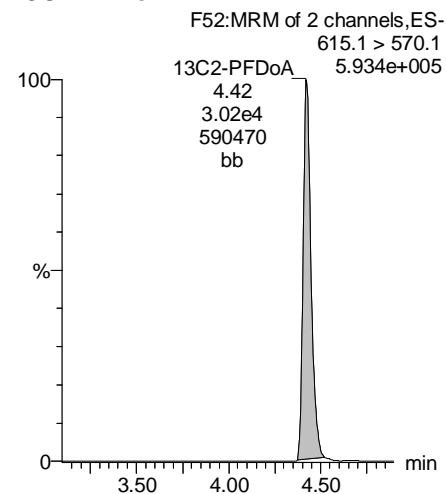
TCDA



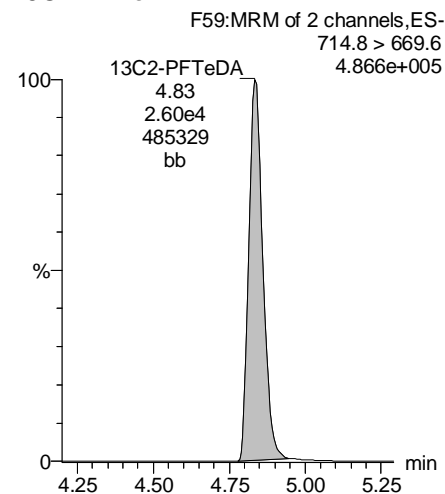
13C5-PFHxA



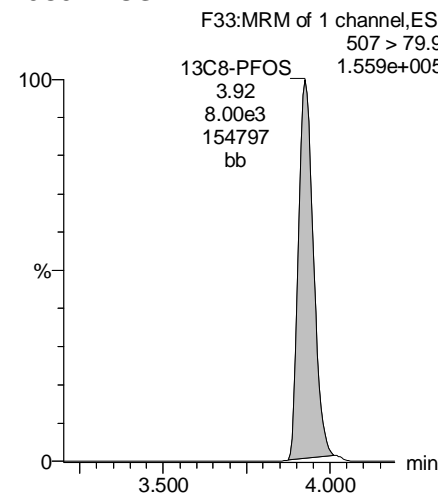
13C2-PFDoA



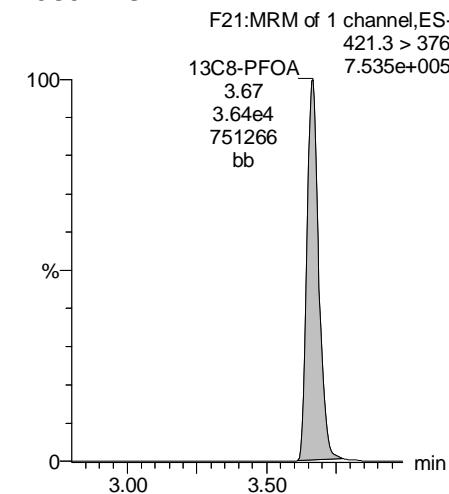
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



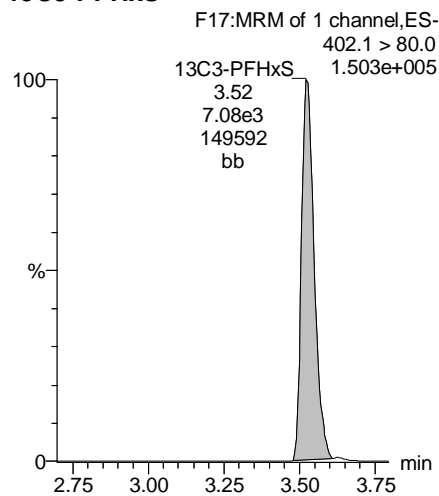
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Last Altered: Tuesday, October 31, 2017 12:35:19 Pacific Daylight Time

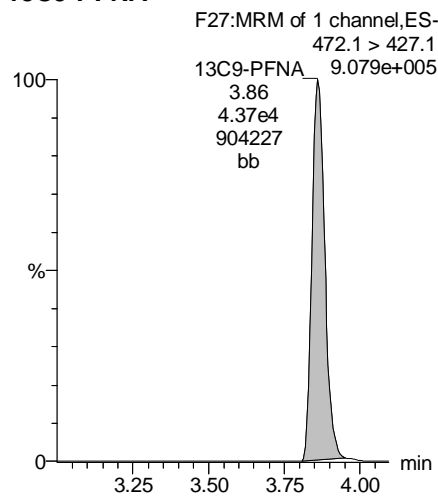
Printed: Tuesday, October 31, 2017 12:38:51 Pacific Daylight Time

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

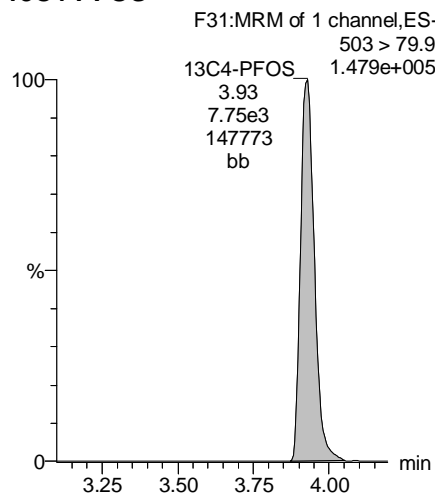
13C3-PFHxS



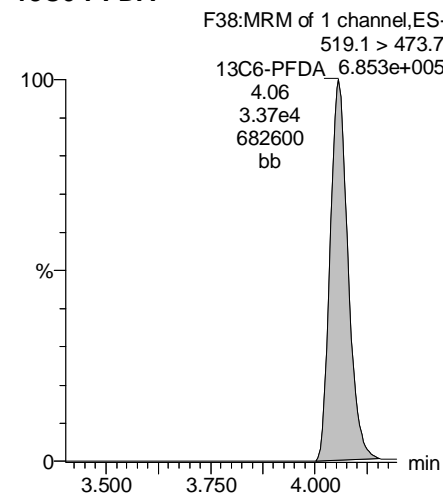
13C9-PFNA



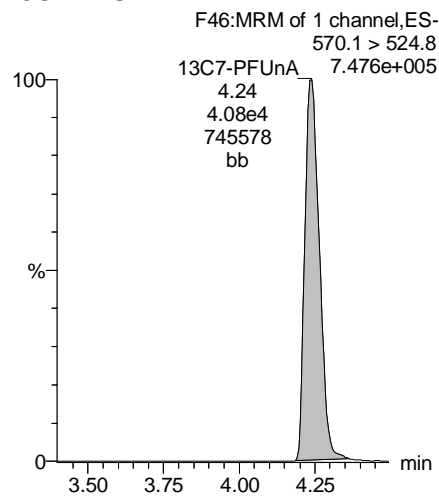
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:40:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		8.61e3	0.1163		3.25				
2	4 PFHxA	313.2 > 268.9		1.28e4	0.1163		3.46				
3	5 PFHpA	363.1 > 319.1		5.19e4	0.1163		3.72				
4	6 L-PFHxS	399.0 > 80.0		3.69e3	0.1163		3.79				
5	9 L-PFOA	413 > 368.7		3.77e4	0.1163		3.93				
6	12 PFNA	463.1 > 419.1		3.52e4	0.1163		4.13				
7	14 L-PFOS	499 > 79.9		7.72e3	0.1163		4.19				
8	16 PFDA	513 > 468.8		2.38e4	0.1163		4.32				
9	18 N-MeFOSAA	570.1 > 419		4.93e3	0.1163		4.32				
10	19 N-EtFOSAA	584.2 > 419		5.52e3	0.1163		4.42				
11	20 PFUnA	562.9 > 518.9		2.73e4	0.1163		4.52				
12	22 PFDoA	613.0 > 569.1		3.10e4	0.1163		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.10e4	0.1163		4.93					
2	25	PFTeDA	712.9 > 668.8	2.80e4	0.1163		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1163		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.53e4	0.1163	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	8.61e3	4.53e4	0.051	3.25	2.89	0.951	161.371	150.2	
6	34	13C2-PFHxA	315 > 269.8	1.28e4	4.53e4	0.1163	3.46	3.15	1.42	44.421	103.3	
7	35	13C4-PFHpA	367 > 322.1	5.19e4	4.53e4	0.1163	3.72	3.44	5.73	88.302	82.2	
8	36	18O2-PFHxS	403 > 103.0	3.69e3	7.03e3	0.1163	3.79	3.52	6.56	115.071	107.1	
9	37	13C2-6:2 FTS	429.1 > 408.9	3.97e3	3.67e4	0.1163	3.92	3.65	1.35	79.452	73.9	
10	38	13C2-PFOA	414.9 > 369.7	3.77e4	3.67e4	0.1163	3.93	3.67	12.9	95.947	89.3	
11	39	13C5-PFNA	468.1 > 423.1	3.52e4	5.03e4	0.1163	0.857	4.13	3.86	87.600	81.5	
12	40	13C8-PFOA	506.1 > 78.0	2.64e3	4.04e4	0.1163	0.136	4.14	3.88	0.816	51.397	47.8
13	41	13C8-PFOS	507 > 79.9	7.72e3	8.49e3	0.1163	0.990	4.19	3.93	11.4	98.717	91.9
14	42	13C2-PFDA	515.1 > 469.9	2.38e4	3.93e4	0.1163	0.882	4.32	4.06	7.55	73.632	68.5
15	43	13C2-8:2 FTS	529.1 > 508.7	3.02e3	3.93e4	0.1163	0.105	4.31	4.05	0.958	78.714	73.2
16	44	d3-N-MeFOSAA	573.3 > 419	4.93e3	4.04e4	0.1163	0.015	4.35	4.09	1.53	900.367	64.4
17	45	d5-N-EtFOSAA	589.3 > 419	5.52e3	4.04e4	0.1163	0.015	4.42	4.17	1.71	959.598	68.7
18	46	13C2-PFUnA	565 > 519.8	2.73e4	4.04e4	0.1163	0.943	4.52	4.24	8.45	77.077	71.7
19	47	13C2-PFDoA	615.1 > 570.1	3.10e4	4.04e4	0.1163	0.951	4.72	4.43	9.60	86.762	80.7
20	49	13C2-PFTeDA	714.8 > 669.6	2.80e4	4.04e4	0.1163	0.728	5.15	4.84	8.64	102.141	95.0
21	54	13C4-PFBA	217.1 > 172.1		0.1163		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.53e4	4.53e4	0.1163	1.000	3.46	3.15	5.00	42.989	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.03e3	7.03e3	0.1163	1.000	3.79	3.53	12.5	107.471	100.0
24	57	13C8-PFOA	421.3 > 376	3.67e4	3.67e4	0.1163	1.000	3.93	3.66	12.5	107.471	100.0
25	58	13C9-PFNA	472.1 > 427.1	5.03e4	5.03e4	0.1163	1.000	4.13	3.86	12.5	107.471	100.0
26	59	13C4-PFOS	503 > 79.9	8.49e3	8.49e3	0.1163	1.000	4.19	3.93	12.5	107.471	100.0
27	60	13C6-PFDA	519.1 > 473.7	3.93e4	3.93e4	0.1163	1.000	4.32	4.06	12.5	107.471	100.0
28	61	13C7-PFUnA	570.1 > 524.8	4.04e4	4.04e4	0.1163	1.000	4.52	4.24	12.5	107.471	100.0
29	62	Total PFHxS	399.0 > 80.0	0.00e0	3.69e3	0.1163		3.79		0.000		
30	63	Total PFOA	413 > 368.7	0.00e0	3.77e4	0.1163		3.93		0.000		
31	64	Total PFOS	499 > 79.9	0.00e0	7.72e3	0.1163		4.19		0.000		
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	4.93e3	0.1163		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	5.52e3	0.1163		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	0.00e0		0.1163		0.00		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

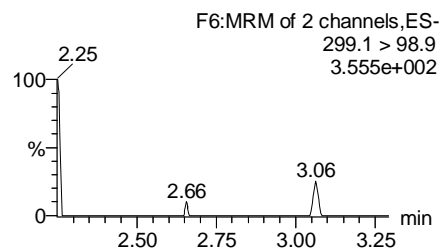
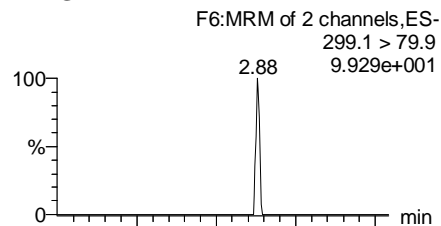
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

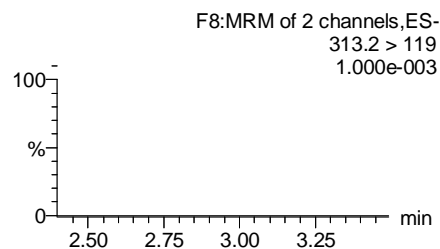
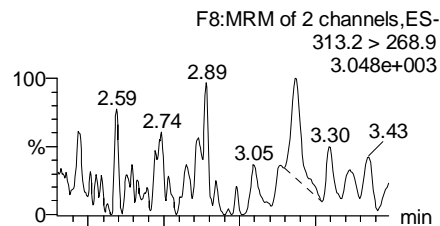
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Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

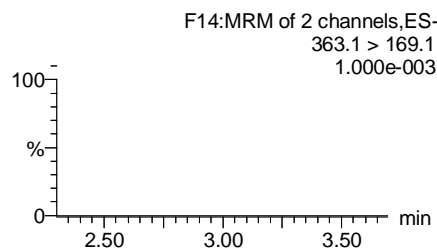
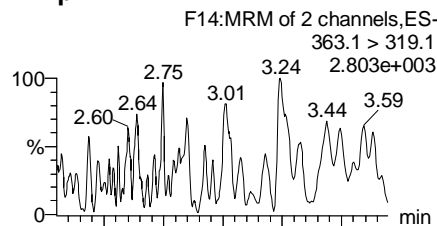
PFBS



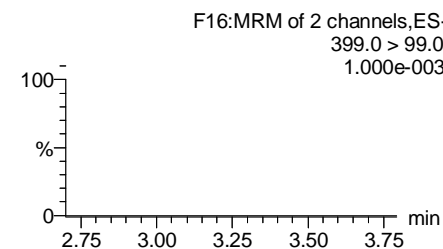
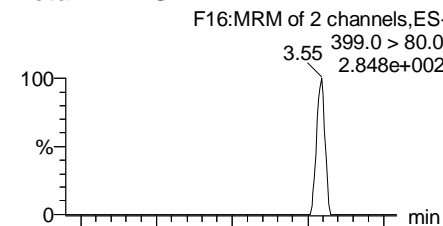
PFHxA



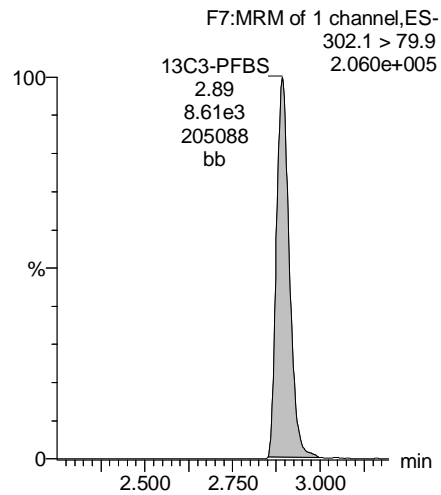
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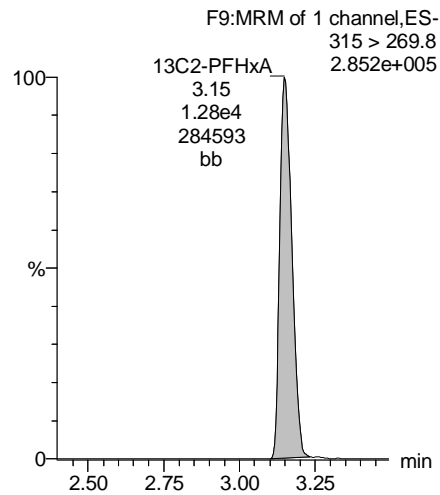
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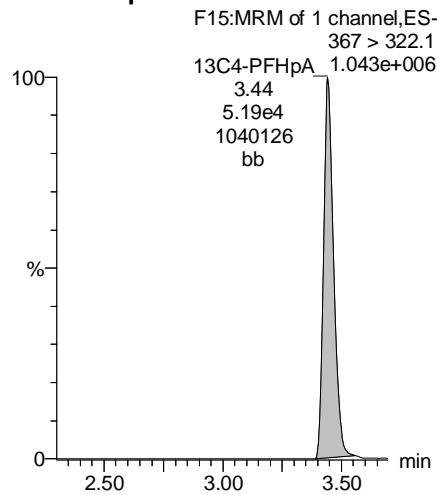
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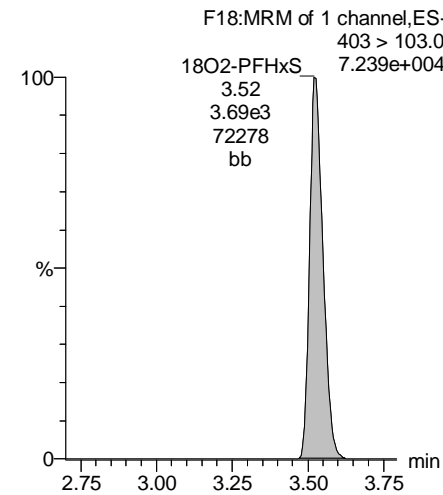
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



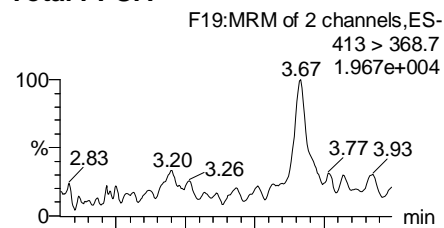
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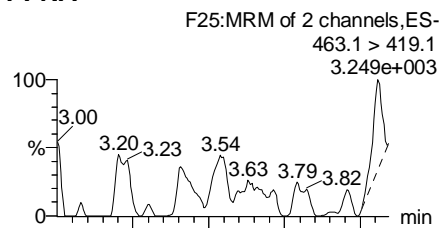
Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

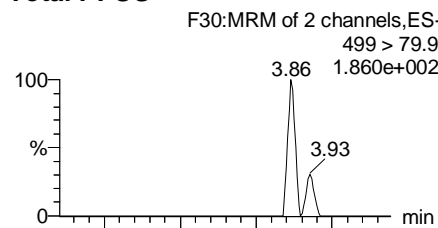
Total PFOA



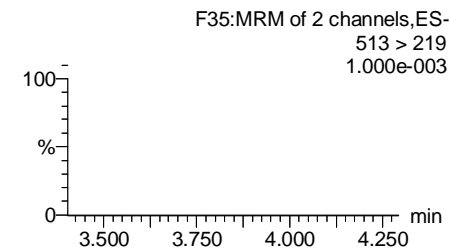
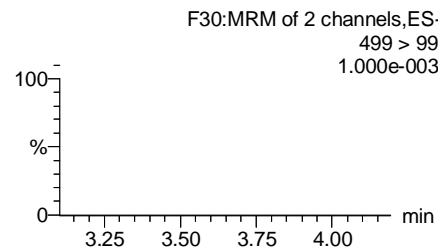
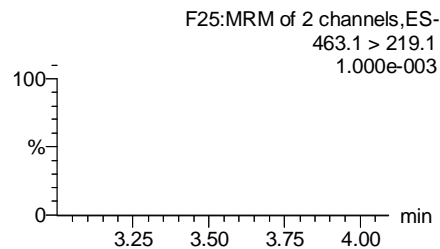
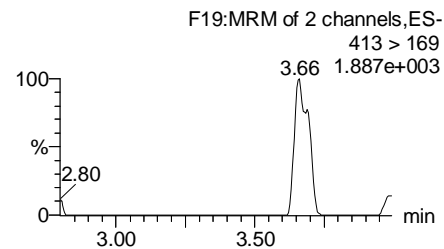
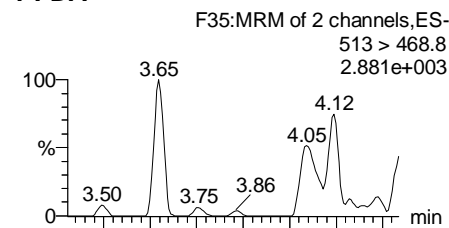
PFNA



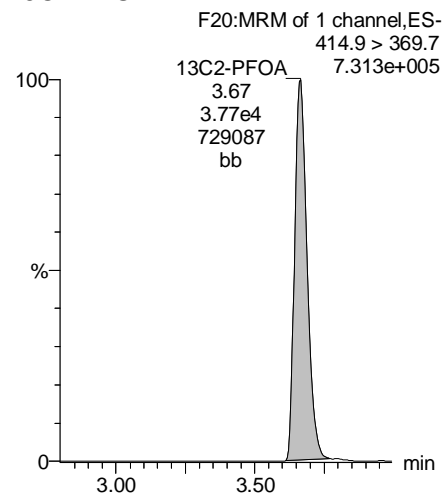
Total PFOS



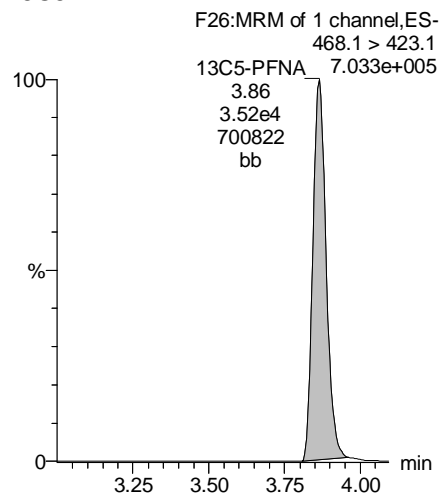
PFDA



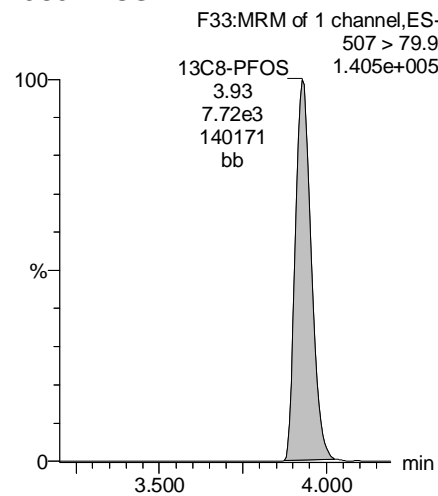
13C2-PFOA



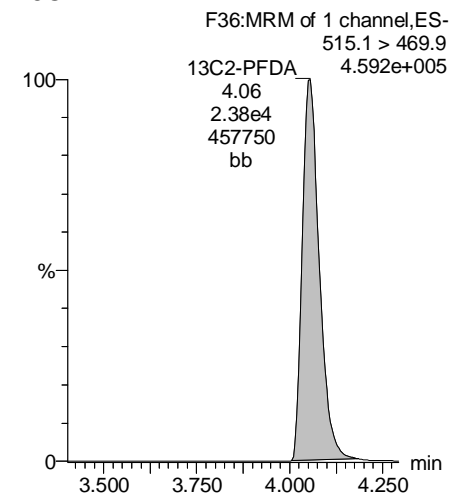
13C5-PFNA



13C8-PFOS



13C2-PFDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

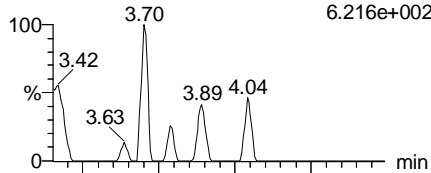
Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

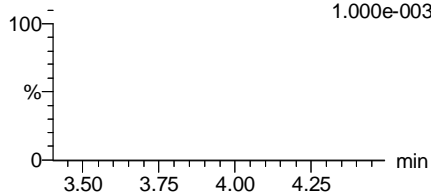
Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
6.216e+002

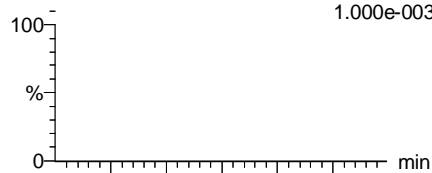


F43:MRM of 2 channels,ES-
562.9 > 269
1.000e-003

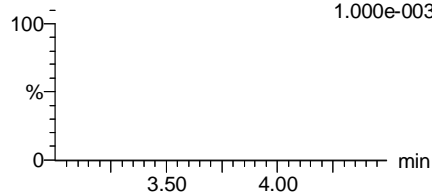


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

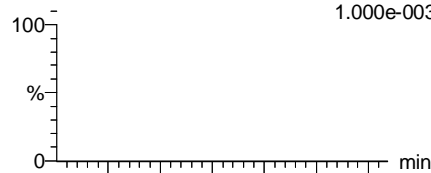


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

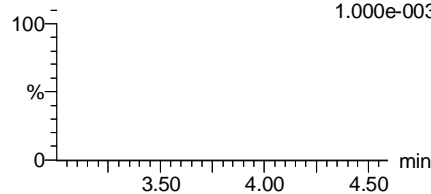


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.000e-003

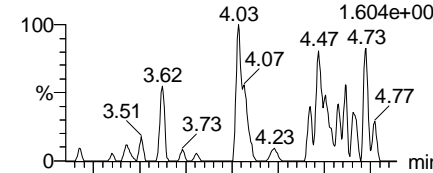


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.000e-003

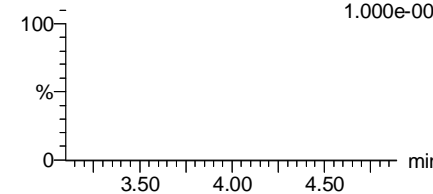


PFDoA

F51:MRM of 4 channels,ES-
613.0 > 569.1
1.604e+003

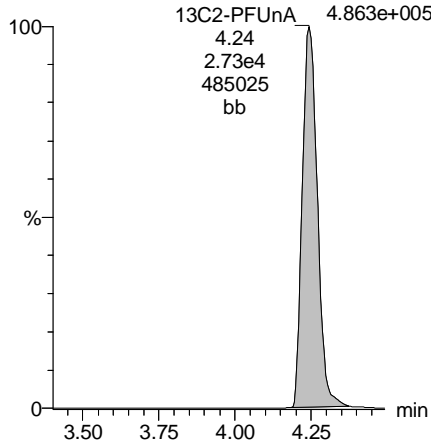


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



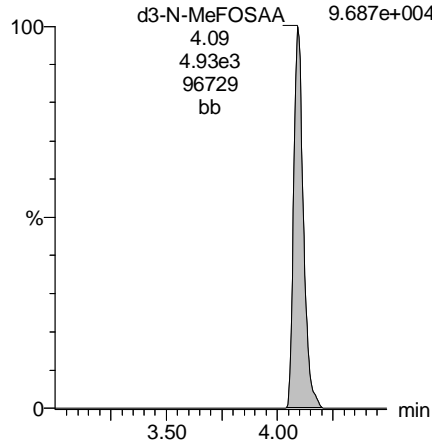
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
4.863e+005



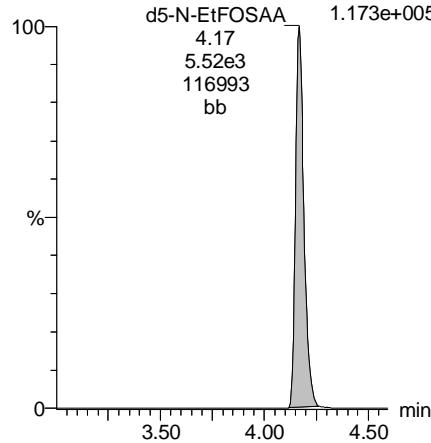
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
9.687e+004



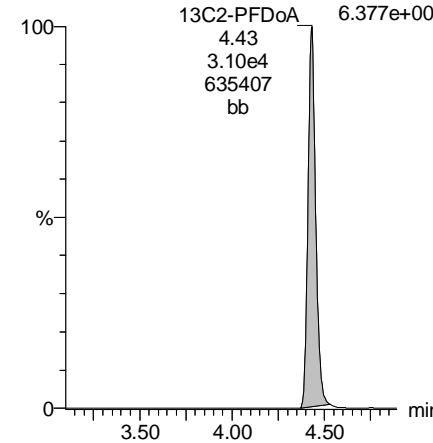
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
1.173e+005



13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1
6.377e+005



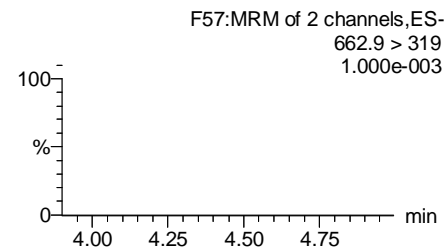
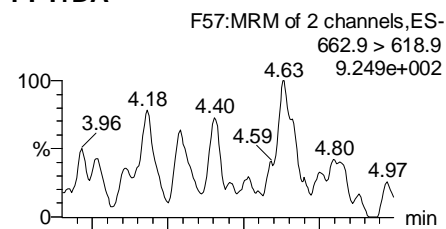
Dataset: U:\Q4.PRO\results\171003M2\171003M2-68.qld

Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

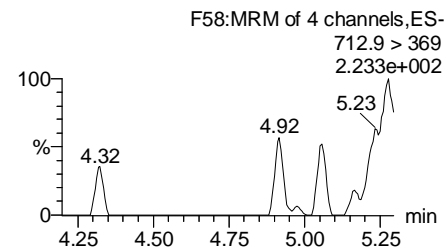
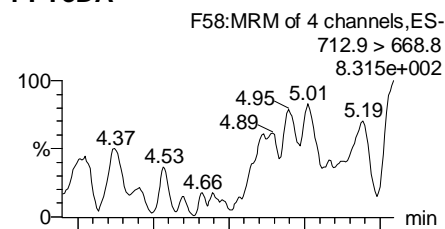
Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

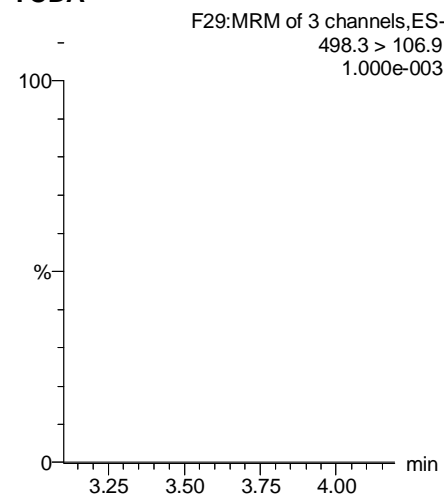
PFTrDA



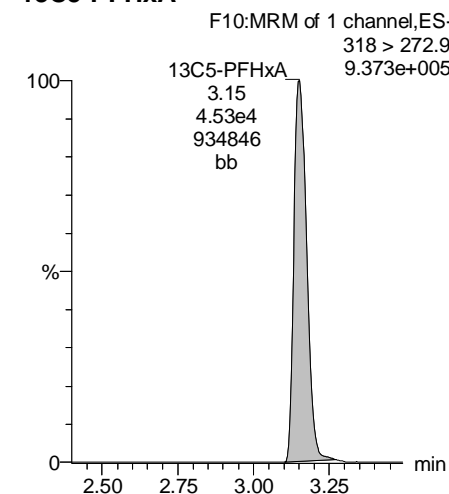
PFTeDA



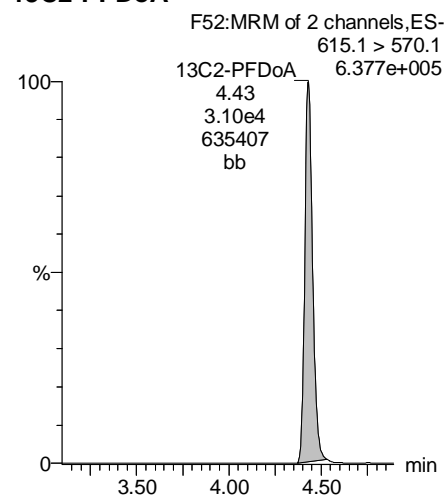
TCDA



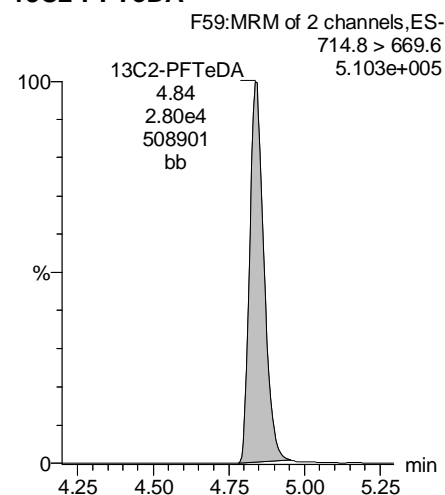
13C5-PFHxA



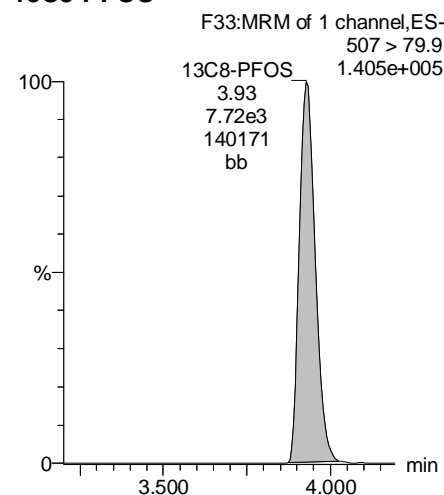
13C2-PFDoA



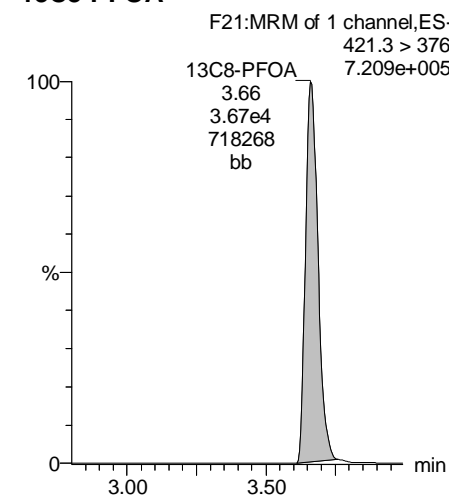
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



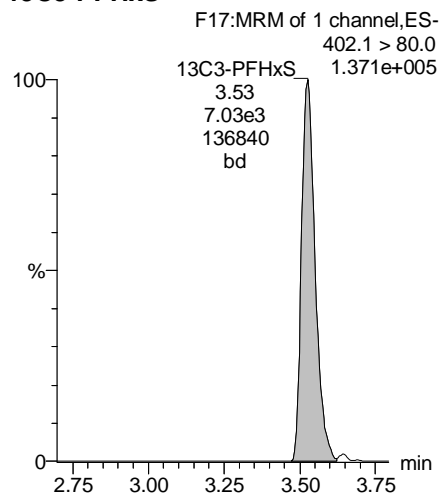
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Last Altered: Tuesday, October 31, 2017 12:40:11 Pacific Daylight Time

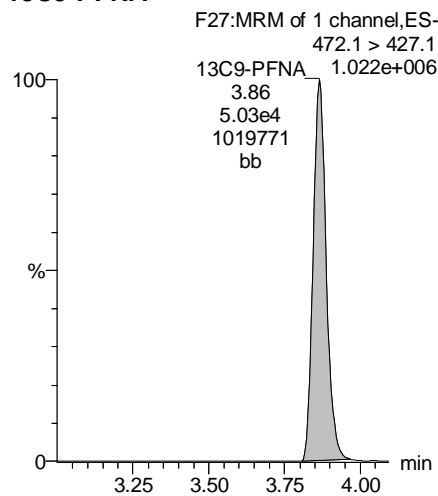
Printed: Tuesday, October 31, 2017 12:41:08 Pacific Daylight Time

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

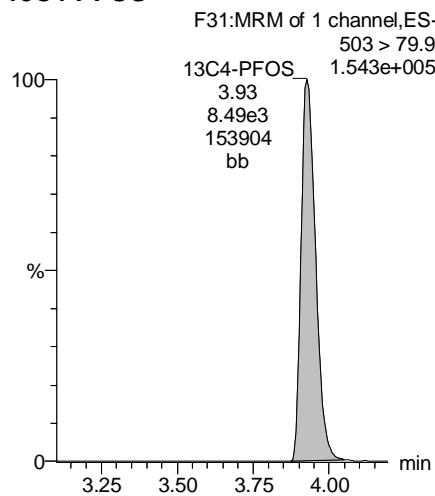
13C3-PFHxS



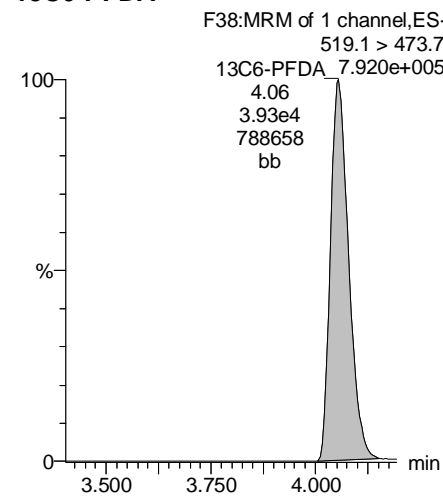
13C9-PFNA



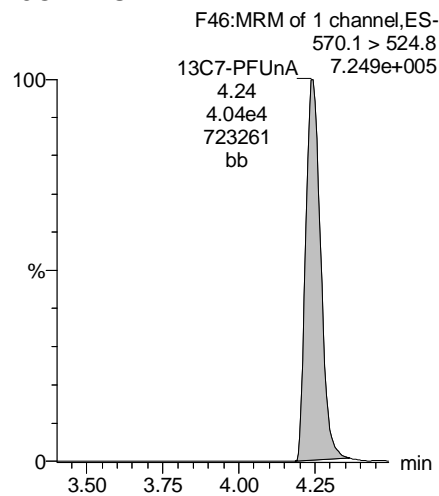
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:44:24 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.1 > 79.9		8.41e3	0.1176		3.25				
2	4 PFHxA	313.2 > 268.9		1.39e4	0.1176		3.46				
3	5 PFHpA	363.1 > 319.1		5.37e4	0.1176		3.72				
4	6 L-PFHxS	399.0 > 80.0	1.86e1	3.34e3	0.1176		3.79	3.51	0.0698		
5	9 L-PFOA	413 > 368.7		4.05e4	0.1176		3.93				
6	12 PFNA	463.1 > 419.1		3.52e4	0.1176		4.13				
7	14 L-PFOS	499 > 79.9		8.00e3	0.1176		4.19				
8	16 PFDA	513 > 468.8		2.32e4	0.1176		4.32				
9	18 N-MeFOSAA	570.1 > 419		5.64e3	0.1176		4.32				
10	19 N-EtFOSAA	584.2 > 419		6.01e3	0.1176		4.42				
11	20 PFUnA	562.9 > 518.9	9.71e1	2.66e4	0.1176		4.52	4.23	0.0456		
12	22 PFDoA	613.0 > 569.1		3.35e4	0.1176		4.72				

Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:44:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	24	PFTrDA	662.9 > 618.9	3.35e4	0.1176		4.93					
2	25	PFTeDA	712.9 > 668.8	2.05e4	0.1176		5.15					
3	31	13C3-PFBA	216.1 > 172.1		0.1176		2.14					
4	32	13C3-PFPeA	266.1 > 222.1	4.51e4	0.1176	0.231	3.09					
5	33	13C3-PFBS	302.1 > 79.9	8.41e3	4.51e4	0.051	3.25	2.89	0.933	156.533	147.3	
6	34	13C2-PFHxA	315 > 269.8	1.39e4	4.51e4	0.275	3.46	3.15	1.54	47.706	112.2	
7	35	13C4-PFHpA	367 > 322.1	5.37e4	4.51e4	0.558	3.72	3.44	5.96	90.698	85.4	
8	36	18O2-PFHxS	403 > 103.0	3.34e3	7.26e3	0.1176	3.79	3.52	5.75	99.754	93.9	
9	37	13C2-6:2 FTS	429.1 > 408.9	4.50e3	3.38e4	0.146	3.92	3.65	1.67	96.886	91.2	
10	38	13C2-PFOA	414.9 > 369.7	4.05e4	3.38e4	0.1176	3.93	3.66	15.0	110.771	104.2	
11	39	13C5-PFNA	468.1 > 423.1	3.52e4	4.80e4	0.1176	0.857	4.13	3.85	90.940	85.6	
12	40	13C8-PFOSA	506.1 > 78.0	2.50e3	3.75e4	0.1176	0.136	4.14	3.87	0.834	51.948	48.9
13	41	13C8-PFOS	507 > 79.9	8.00e3	8.55e3	0.1176	0.990	4.19	3.92	11.7	100.473	94.6
14	42	13C2-PFDA	515.1 > 469.9	2.32e4	3.67e4	0.1176	0.882	4.32	4.05	7.90	76.135	71.7
15	43	13C2-8:2 FTS	529.1 > 508.7	3.21e3	3.67e4	0.1176	0.105	4.31	4.04	1.09	88.888	83.7
16	44	d3-N-MeFOSAA	573.3 > 419	5.64e3	3.75e4	0.1176	0.015	4.35	4.09	1.88	1096.913	79.4
17	45	d5-N-EtFOSAA	589.3 > 419	6.01e3	3.75e4	0.1176	0.015	4.42	4.16	2.00	1112.639	80.5
18	46	13C2-PFUnA	565 > 519.8	2.66e4	3.75e4	0.1176	0.943	4.52	4.23	8.88	80.015	75.3
19	47	13C2-PFDoA	615.1 > 570.1	3.35e4	3.75e4	0.1176	0.951	4.72	4.42	11.2	99.638	93.8
20	49	13C2-PFTeDA	714.8 > 669.6	2.05e4	3.75e4	0.1176	0.728	5.15	4.83	6.83	79.806	75.1
21	54	13C4-PFBA	217.1 > 172.1		0.1176		2.14					
22	55	13C5-PFHxA	318 > 272.9	4.51e4	4.51e4	0.1176	1.000	3.46	3.15	5.00	42.503	100.0
23	56	13C3-PFHxS	402.1 > 80.0	7.26e3	7.26e3	0.1176	1.000	3.79	3.52	12.5	106.256	100.0
24	57	13C8-PFOA	421.3 > 376	3.38e4	3.38e4	0.1176	1.000	3.93	3.66	12.5	106.256	100.0
25	58	13C9-PFNA	472.1 > 427.1	4.80e4	4.80e4	0.1176	1.000	4.13	3.85	12.5	106.256	100.0
26	59	13C4-PFOS	503 > 79.9	8.55e3	8.55e3	0.1176	1.000	4.19	3.92	12.5	106.256	100.0
27	60	13C6-PFDA	519.1 > 473.7	3.67e4	3.67e4	0.1176	1.000	4.32	4.05	12.5	106.256	100.0
28	61	13C7-PFUnA	570.1 > 524.8	3.75e4	3.75e4	0.1176	1.000	4.52	4.24	12.5	106.256	100.0
29	62	Total PFHxS	399.0 > 80.0	1.86e1	3.34e3	0.1176		3.79		0.000		
30	63	Total PFOA	413 > 368.7	0.00e0	4.05e4	0.1176		3.93		0.000		
31	64	Total PFOS	499 > 79.9	0.00e0	8.00e3	0.1176		4.19		0.000		
32	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.64e3	0.1176		4.35		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:44:38 Pacific Daylight Time

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	66 Total N-EtFOSAA	584.2 > 419	0.00e0	6.01e3	0.1176		4.42		0.000		
34	68 Total PFOA+PFOS	499 > 79.9;41...	0.00e0		0.1176		0.00		0.000		

Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:44:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 31 Oct 2017 11:23:50

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	399.0 > 80.0	3.51	18.632	3337.565	0.070	MMI	

Total PFOA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-Me-FOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total N-EtFOSAA

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Total PFOA+PFOS,Total PFOA,Total PFOS

#	Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1								

Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

Printed: Tuesday, October 31, 2017 12:44:38 Pacific Daylight Time

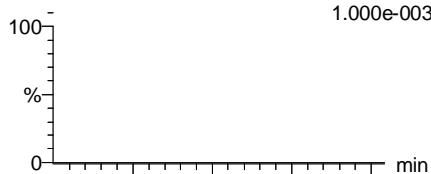
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

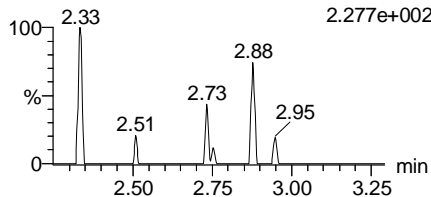
Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

PFBS

F6:MRM of 2 channels,ES-
299.1 > 79.9
1.000e-003

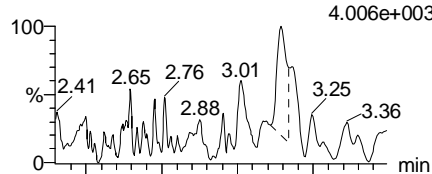


F6:MRM of 2 channels,ES-
299.1 > 98.9
2.277e+002

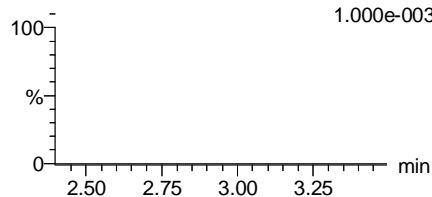


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
4.006e+003

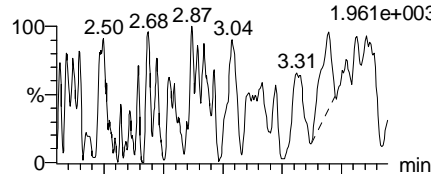


F8:MRM of 2 channels,ES-
313.2 > 119
1.000e-003

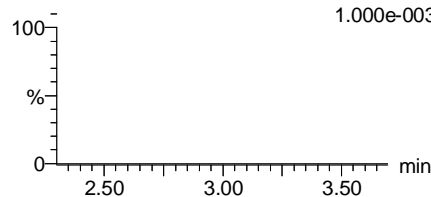


PFHpA

F14:MRM of 2 channels,ES-
363.1 > 319.1
1.961e+003

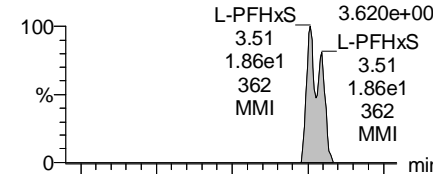


F14:MRM of 2 channels,ES-
363.1 > 169.1
1.000e-003

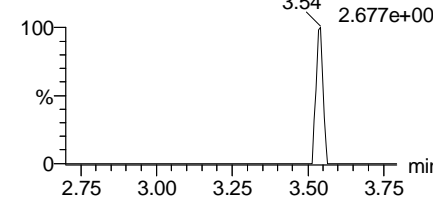


Total PFHxS

F16:MRM of 2 channels,ES-
399.0 > 80.0
3.620e+002

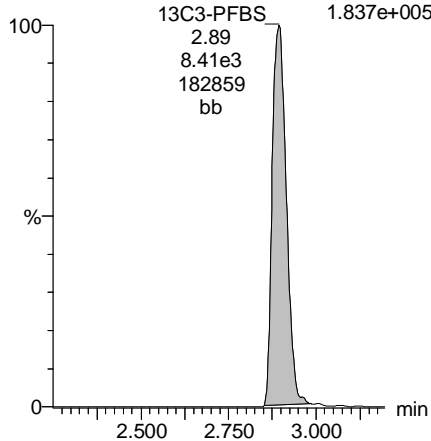


F16:MRM of 2 channels,ES-
399.0 > 99.0
2.677e+002



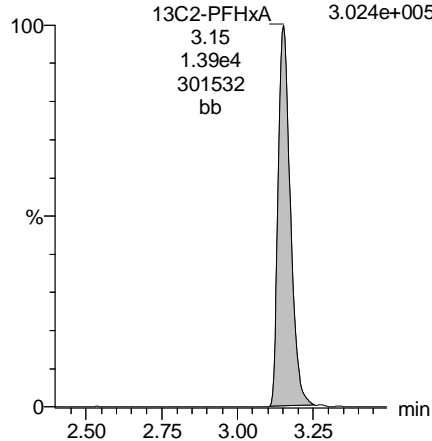
13C3-PFBS

F7:MRM of 1 channel,ES-
302.1 > 79.9
1.837e+005



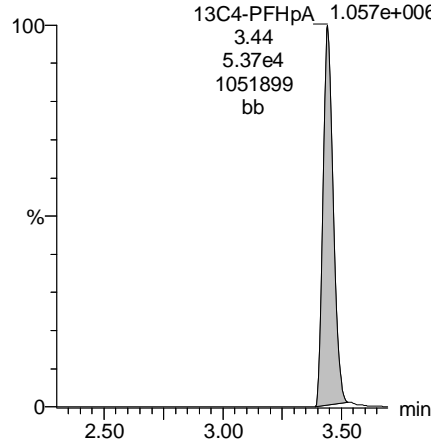
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
3.024e+005



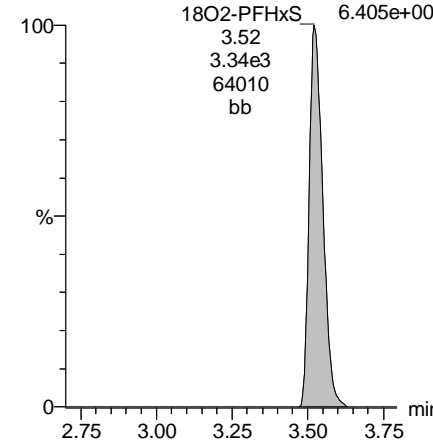
13C4-PFHpA

F15:MRM of 1 channel,ES-
367 > 322.1
1.057e+006



18O2-PFHxS

F18:MRM of 1 channel,ES-
403 > 103.0
6.405e+004



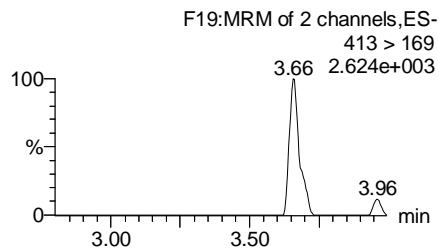
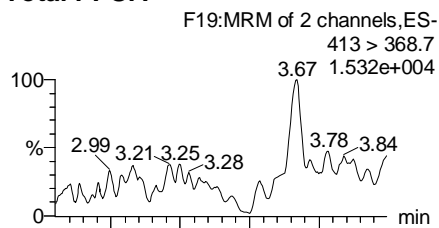
Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

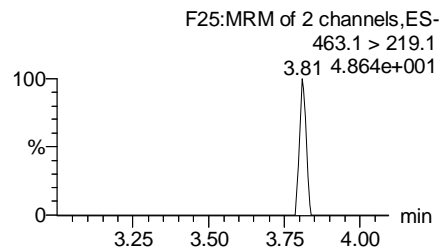
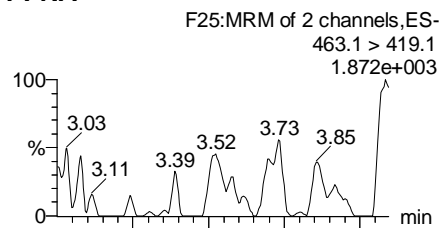
Printed: Tuesday, October 31, 2017 12:44:38 Pacific Daylight Time

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

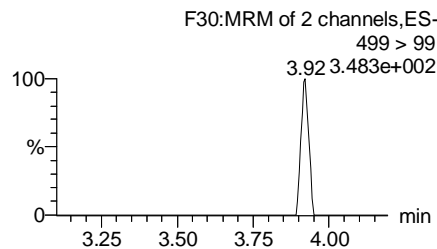
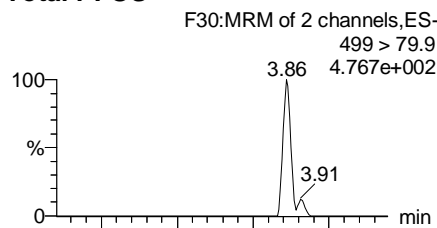
Total PFOA



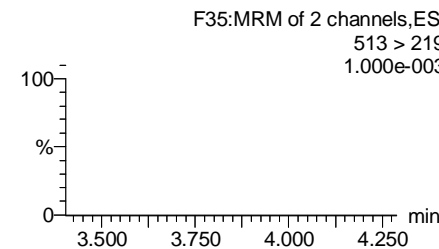
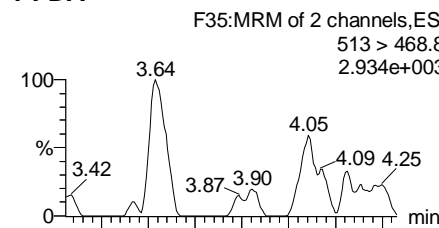
PFNA



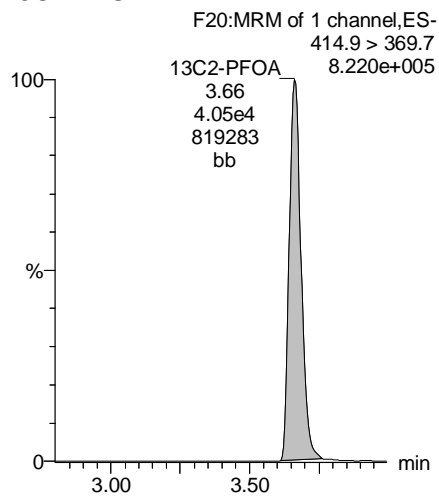
Total PFOS



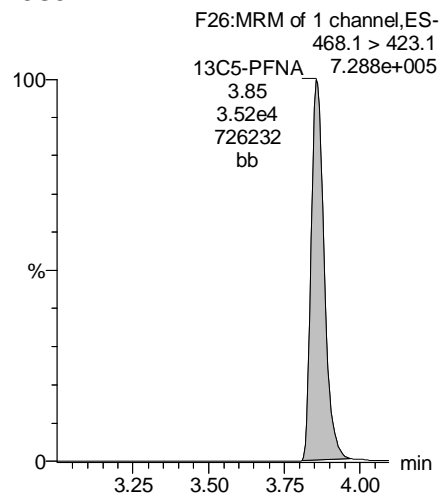
PFDA



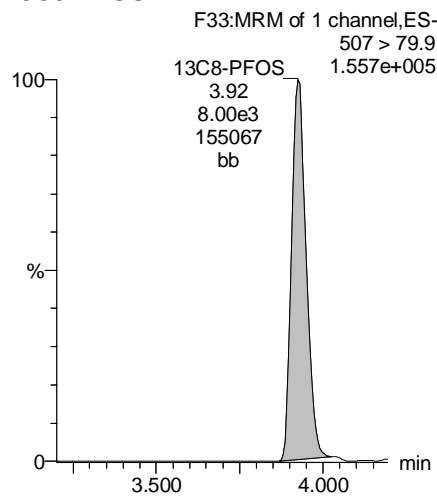
13C2-PFOA



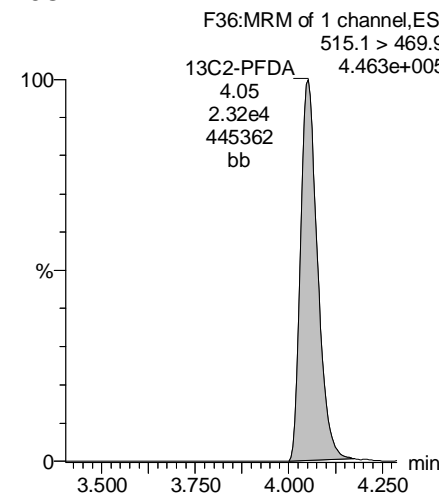
13C5-PFNA



13C8-PFOS



13C2-PFDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-69.qld

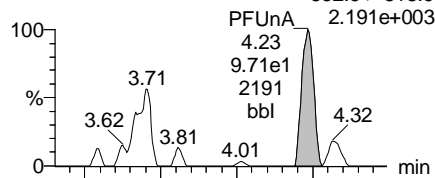
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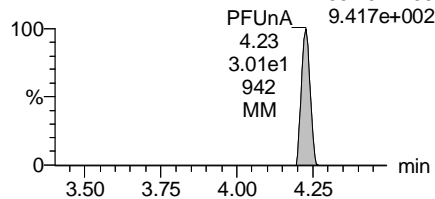
Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9

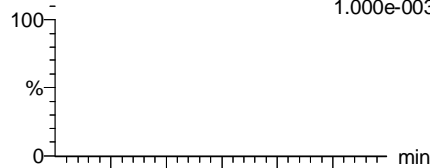


F43:MRM of 2 channels,ES-
562.9 > 269

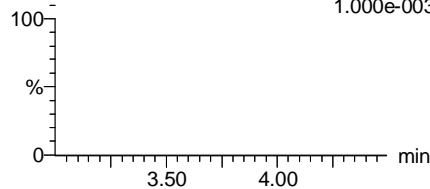


N-MeFOSAA

F45:MRM of 3 channels,ES-
570.1 > 419
1.000e-003

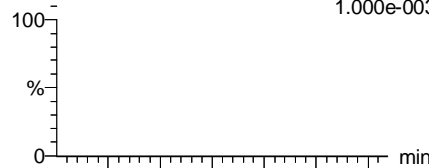


F45:MRM of 3 channels,ES-
570.1 > 483.1
1.000e-003

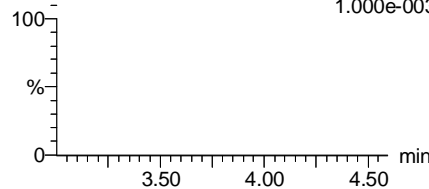


N-EtFOSAA

F48:MRM of 3 channels,ES-
584.2 > 419
1.000e-003

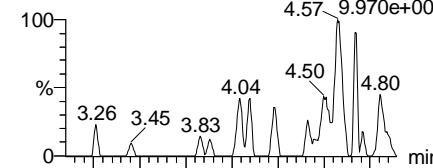


F48:MRM of 3 channels,ES-
584.1 > 526.1
1.000e-003

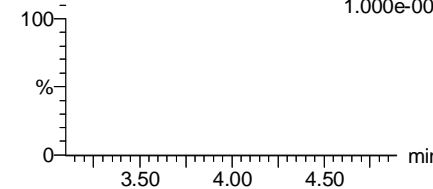


PFDoA

F51:MRM of 4 channels,ES-
613.0 > 569.1
9.970e+002

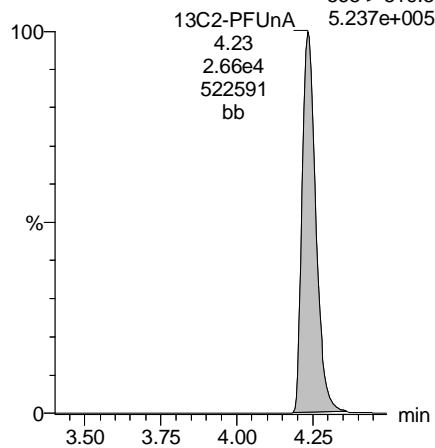


F51:MRM of 4 channels,ES-
613.0 > 319.1
1.000e-003



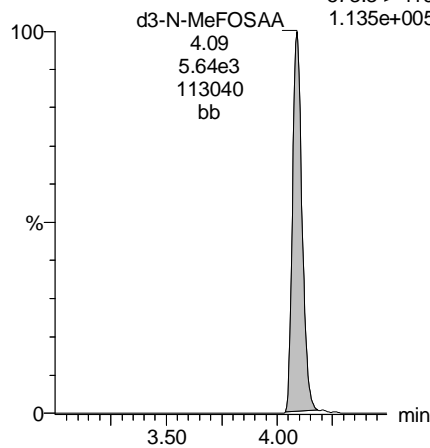
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8



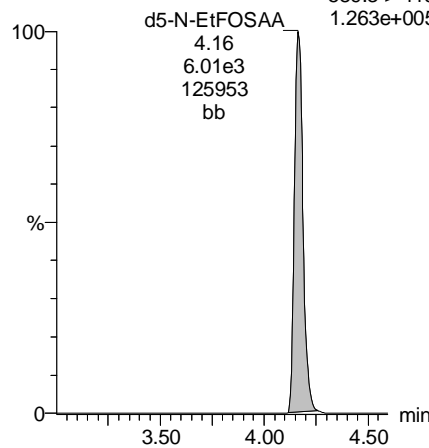
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419



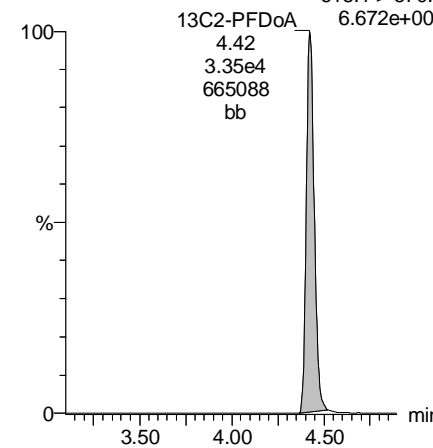
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419



13C2-PFDoA

F52:MRM of 2 channels,ES-
615.1 > 570.1



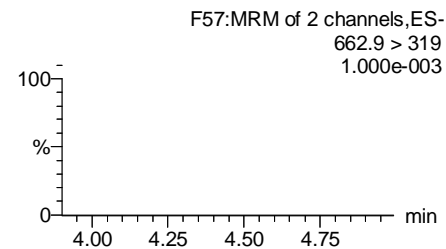
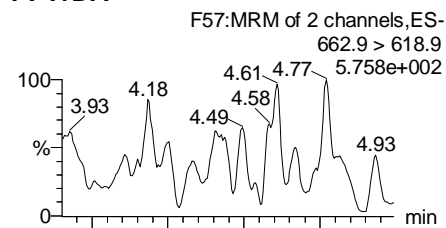
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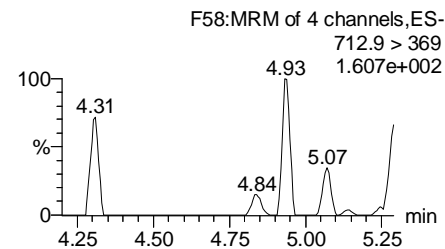
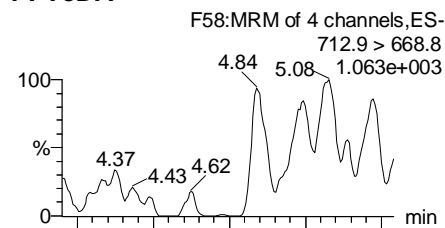
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Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

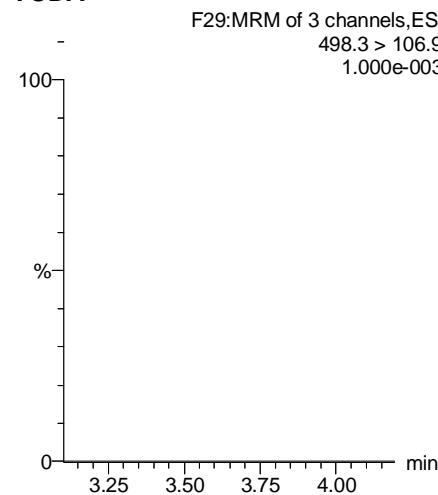
PFTrDA



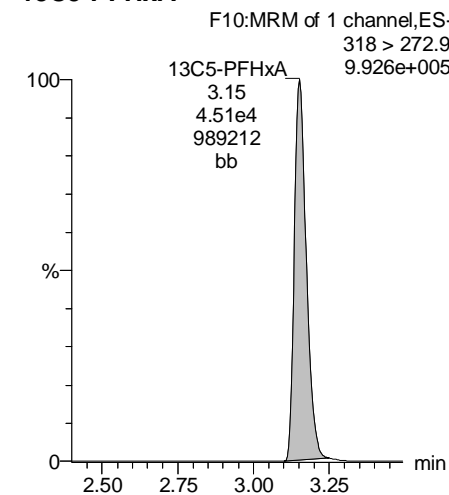
PFTeDA



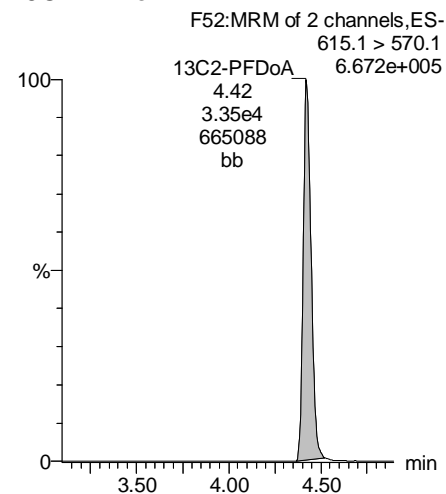
TCDA



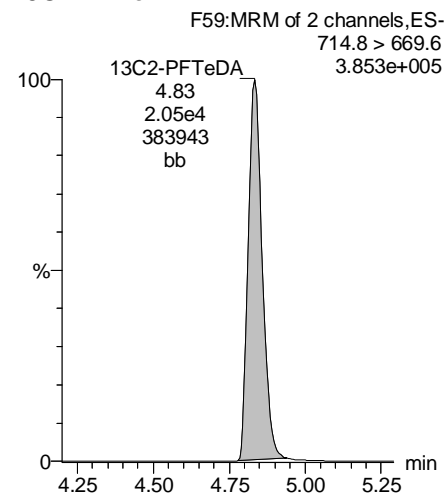
13C5-PFHxA



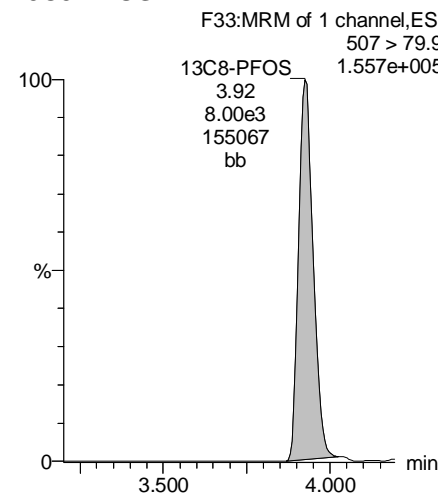
13C2-PFDoA



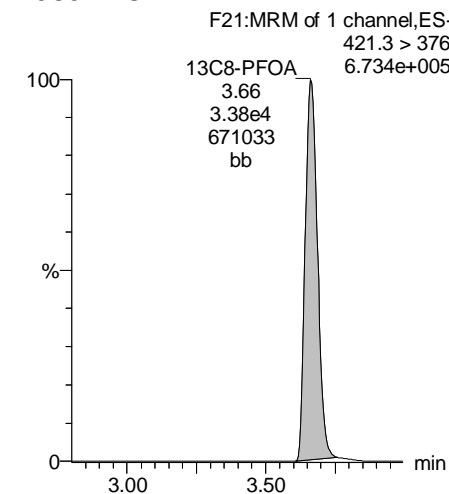
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



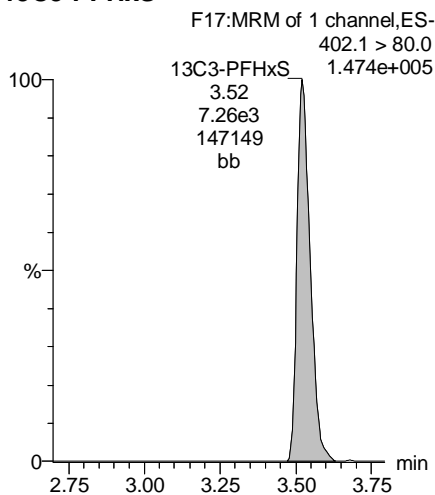
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Last Altered: Tuesday, October 31, 2017 12:43:49 Pacific Daylight Time

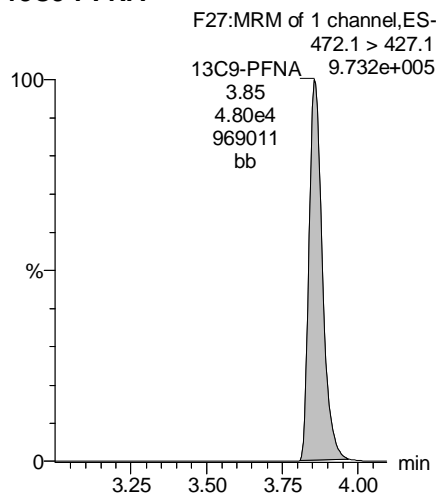
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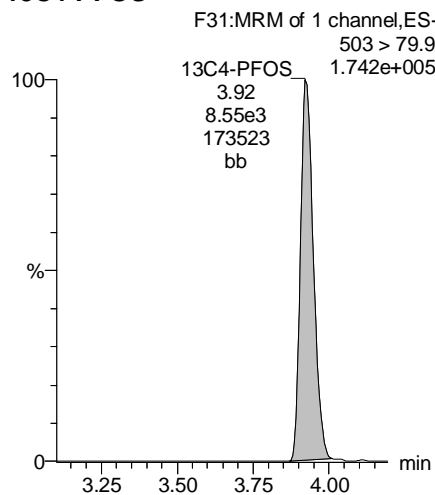
13C3-PFHxS



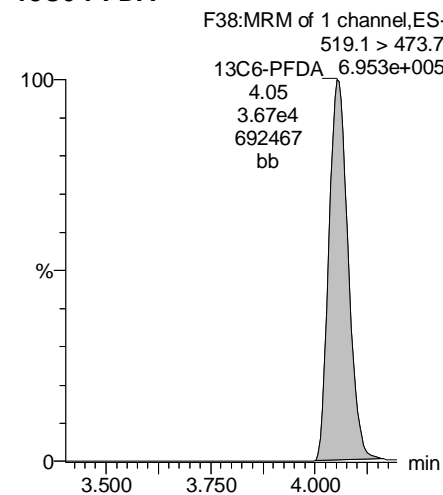
13C9-PFNA



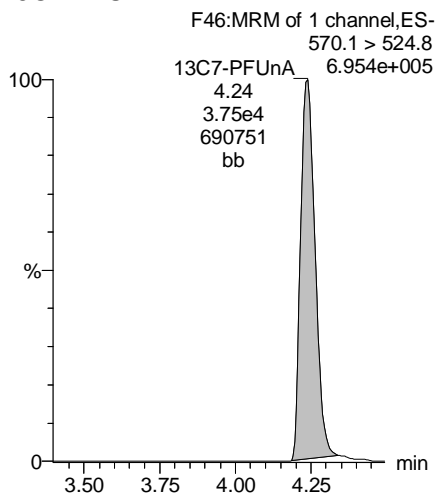
13C4-PFOS



13C6-PFDA



13C7-PFUnA



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

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 15:16:48 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-9-29-17.mdb 29 Sep 2017 13:29:20
Calibration: 04 Oct 2017 15:15:24

Name: 171003M2_2, Date: 03-Oct-2017, Time: 17:20:26, ID: ST171003M2-1 PFC CS0 17I2912, Description: PFC CS0 17I2912

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-1 PFC CS0 17I2912	1.55e4	100.0	NO
2	2 13C5-PFHxA	ST171003M2-1 PFC CS0 17I2912	3.31e4	100.0	NO
3	3 13C3-PFHxS	ST171003M2-1 PFC CS0 17I2912	5.70e3	100.0	NO
4	4 13C8-PFOA	ST171003M2-1 PFC CS0 17I2912	4.28e4	100.0	NO
5	5 13C9-PFNA	ST171003M2-1 PFC CS0 17I2912	5.76e4	100.0	NO
6	6 13C4-PFOS	ST171003M2-1 PFC CS0 17I2912	1.07e4	100.0	NO
7	7 13C6-PFDA	ST171003M2-1 PFC CS0 17I2912	4.72e4	100.0	NO
8	8 13C7-PFUnA	ST171003M2-1 PFC CS0 17I2912	5.65e4	100.0	NO

Name: 171003M2_3, Date: 03-Oct-2017, Time: 17:31:04, ID: IPA, Description: IPA

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

Name: 171003M2_4, Date: 03-Oct-2017, Time: 17:41:54, ID: SYRINGE TESTER, Description: SYRINGE TESTER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	SYRINGE TESTER	5.95e0	0.0	NO
2	2 13C5-PFHxA	SYRINGE TESTER	1.00e2	0.3	NO
3	3 13C3-PFHxS	SYRINGE TESTER			NO
4	4 13C8-PFOA	SYRINGE TESTER	3.71e1	0.1	NO
5	5 13C9-PFNA	SYRINGE TESTER	1.14e2	0.2	NO
6	6 13C4-PFOS	SYRINGE TESTER			NO
7	7 13C6-PFDA	SYRINGE TESTER	5.27e1	0.1	NO
8	8 13C7-PFUnA	SYRINGE TESTER	1.23e2	0.2	NO

Name: 171003M2_5, Date: 03-Oct-2017, Time: 17:52:38, ID: IPA, Description: IPA

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

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

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Name: 171003M2_6, Date: 03-Oct-2017, Time: 18:03:24, ID: B7I0162-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7I0162-BLK1 Method Blank 1	3.68e4	237.7	YES
2	2 13C5-PFHxA	B7I0162-BLK1 Method Blank 1	5.06e4	152.7	YES
3	3 13C3-PFHxS	B7I0162-BLK1 Method Blank 1	7.36e3	129.1	NO
4	4 13C8-PFOA	B7I0162-BLK1 Method Blank 1	3.71e4	86.7	NO
5	5 13C9-PFNA	B7I0162-BLK1 Method Blank 1	3.98e4	69.1	NO
6	6 13C4-PFOS	B7I0162-BLK1 Method Blank 1	6.52e3	61.1	NO
7	7 13C6-PFDA	B7I0162-BLK1 Method Blank 1	2.20e4	46.7	YES
8	8 13C7-PFUnA	B7I0162-BLK1 Method Blank 1	1.10e4	19.5	YES

Name: 171003M2_7, Date: 03-Oct-2017, Time: 18:14:02, ID: B7I0162-MS1 Matrix Spike 1, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7I0162-MS1 Matrix Spike 1	2.99e4	193.3	YES
2	2 13C5-PFHxA	B7I0162-MS1 Matrix Spike 1	3.80e4	114.7	NO
3	3 13C3-PFHxS	B7I0162-MS1 Matrix Spike 1	6.88e3	120.6	NO
4	4 13C8-PFOA	B7I0162-MS1 Matrix Spike 1	2.92e4	68.2	NO
5	5 13C9-PFNA	B7I0162-MS1 Matrix Spike 1	3.41e4	59.1	NO
6	6 13C4-PFOS	B7I0162-MS1 Matrix Spike 1	6.07e3	56.9	NO
7	7 13C6-PFDA	B7I0162-MS1 Matrix Spike 1	2.56e4	54.1	NO
8	8 13C7-PFUnA	B7I0162-MS1 Matrix Spike 1	1.31e4	23.2	YES

Name: 171003M2_8, Date: 03-Oct-2017, Time: 18:24:49, ID: B7I0162-MSD1 Matrix Spike Dup 1, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7I0162-MSD1 Matrix Spike Dup 1	3.60e4	232.6	YES
2	2 13C5-PFHxA	B7I0162-MSD1 Matrix Spike Dup 1	4.74e4	142.9	NO
3	3 13C3-PFHxS	B7I0162-MSD1 Matrix Spike Dup 1	7.54e3	132.2	NO
4	4 13C8-PFOA	B7I0162-MSD1 Matrix Spike Dup 1	3.33e4	77.8	NO
5	5 13C9-PFNA	B7I0162-MSD1 Matrix Spike Dup 1	3.47e4	60.1	NO
6	6 13C4-PFOS	B7I0162-MSD1 Matrix Spike Dup 1	5.11e3	47.9	YES
7	7 13C6-PFDA	B7I0162-MSD1 Matrix Spike Dup 1	1.65e4	34.8	YES
8	8 13C7-PFUnA	B7I0162-MSD1 Matrix Spike Dup 1	7.34e3	13.0	YES

Name: 171003M2_9, Date: 03-Oct-2017, Time: 18:35:35, ID: B7J0001-MS1 Matrix Spike 0.125, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0001-MS1 Matrix Spike 0.125	3.81e4	246.0	YES
2	2 13C5-PFHxA	B7J0001-MS1 Matrix Spike 0.125	5.20e4	157.0	YES
3	3 13C3-PFHxS	B7J0001-MS1 Matrix Spike 0.125	8.40e3	147.2	NO
4	4 13C8-PFOA	B7J0001-MS1 Matrix Spike 0.125	3.82e4	89.2	NO
5	5 13C9-PFNA	B7J0001-MS1 Matrix Spike 0.125	4.63e4	80.3	NO
6	6 13C4-PFOS	B7J0001-MS1 Matrix Spike 0.125	6.19e3	58.0	NO
7	7 13C6-PFDA	B7J0001-MS1 Matrix Spike 0.125	2.48e4	52.6	NO
8	8 13C7-PFUnA	B7J0001-MS1 Matrix Spike 0.125	1.74e4	30.8	YES

Dataset: Untitled

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Name: 171003M2_10, Date: 03-Oct-2017, Time: 18:46:14, ID: B7J0001-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0001-MSD1 Matrix Spike Dup 0.125	3.60e4	232.7	YES
2	2 13C5-PFHxA	B7J0001-MSD1 Matrix Spike Dup 0.125	5.00e4	151.0	YES
3	3 13C3-PFHxS	B7J0001-MSD1 Matrix Spike Dup 0.125	8.24e3	144.4	NO
4	4 13C8-PFOA	B7J0001-MSD1 Matrix Spike Dup 0.125	3.57e4	83.3	NO
5	5 13C9-PFNA	B7J0001-MSD1 Matrix Spike Dup 0.125	3.58e4	62.2	NO
6	6 13C4-PFOS	B7J0001-MSD1 Matrix Spike Dup 0.125	6.12e3	57.4	NO
7	7 13C6-PFDA	B7J0001-MSD1 Matrix Spike Dup 0.125	1.89e4	39.9	YES
8	8 13C7-PFUnA	B7J0001-MSD1 Matrix Spike Dup 0.125	1.46e4	25.9	YES

Name: 171003M2_11, Date: 03-Oct-2017, Time: 18:57:00, ID: B7J0001-MS2 Matrix Spike 0.125, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0001-MS2 Matrix Spike 0.125	3.47e4	224.2	YES
2	2 13C5-PFHxA	B7J0001-MS2 Matrix Spike 0.125	4.61e4	139.1	NO
3	3 13C3-PFHxS	B7J0001-MS2 Matrix Spike 0.125	7.43e3	130.3	NO
4	4 13C8-PFOA	B7J0001-MS2 Matrix Spike 0.125	3.49e4	81.6	NO
5	5 13C9-PFNA	B7J0001-MS2 Matrix Spike 0.125	3.80e4	66.0	NO
6	6 13C4-PFOS	B7J0001-MS2 Matrix Spike 0.125	6.04e3	56.6	NO
7	7 13C6-PFDA	B7J0001-MS2 Matrix Spike 0.125	2.23e4	47.1	YES
8	8 13C7-PFUnA	B7J0001-MS2 Matrix Spike 0.125	1.03e4	18.3	YES

Name: 171003M2_12, Date: 03-Oct-2017, Time: 19:07:49, ID: B7J0001-MSD2 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0001-MSD2 Matrix Spike Dup 0.125	3.70e4	239.1	YES
2	2 13C5-PFHxA	B7J0001-MSD2 Matrix Spike Dup 0.125	5.13e4	154.9	YES
3	3 13C3-PFHxS	B7J0001-MSD2 Matrix Spike Dup 0.125	7.62e3	133.6	NO
4	4 13C8-PFOA	B7J0001-MSD2 Matrix Spike Dup 0.125	4.01e4	93.7	NO
5	5 13C9-PFNA	B7J0001-MSD2 Matrix Spike Dup 0.125	4.21e4	73.1	NO
6	6 13C4-PFOS	B7J0001-MSD2 Matrix Spike Dup 0.125	6.28e3	58.9	NO
7	7 13C6-PFDA	B7J0001-MSD2 Matrix Spike Dup 0.125	2.54e4	53.8	NO
8	8 13C7-PFUnA	B7J0001-MSD2 Matrix Spike Dup 0.125	9.85e3	17.4	YES

Name: 171003M2_13, Date: 03-Oct-2017, Time: 19:18:33, ID: 1701312-01 GPEOR-05-SB01-0.5-1 1, Description: GPEOR-05-SB01-0.5-1

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-01 GPEOR-05-SB01-0.5-1 1	3.04e4	196.5	YES
2	2 13C5-PFHxA	1701312-01 GPEOR-05-SB01-0.5-1 1	4.01e4	121.1	NO
3	3 13C3-PFHxS	1701312-01 GPEOR-05-SB01-0.5-1 1	7.00e3	122.7	NO
4	4 13C8-PFOA	1701312-01 GPEOR-05-SB01-0.5-1 1	3.47e4	80.9	NO
5	5 13C9-PFNA	1701312-01 GPEOR-05-SB01-0.5-1 1	3.28e4	57.0	NO
6	6 13C4-PFOS	1701312-01 GPEOR-05-SB01-0.5-1 1	3.66e3	34.3	YES
7	7 13C6-PFDA	1701312-01 GPEOR-05-SB01-0.5-1 1	1.61e4	34.1	YES
8	8 13C7-PFUnA	1701312-01 GPEOR-05-SB01-0.5-1 1	9.38e3	16.6	YES

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Name: 171003M2_14, Date: 03-Oct-2017, Time: 19:29:12, ID: 1701312-02 GPEOR-05-SB01-12.5-13 1, Description: GPEOR-05-SB01-12.5-13

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-02 GPEOR-05-SB01-12.5-13 1	3.19e4	206.3	YES
2	2 13C5-PFHxA	1701312-02 GPEOR-05-SB01-12.5-13 1	4.70e4	141.8	NO
3	3 13C3-PFHxS	1701312-02 GPEOR-05-SB01-12.5-13 1	6.94e3	121.6	NO
4	4 13C8-PFOA	1701312-02 GPEOR-05-SB01-12.5-13 1	3.31e4	77.4	NO
5	5 13C9-PFNA	1701312-02 GPEOR-05-SB01-12.5-13 1	3.82e4	66.2	NO
6	6 13C4-PFOS	1701312-02 GPEOR-05-SB01-12.5-13 1	6.37e3	59.7	NO
7	7 13C6-PFDA	1701312-02 GPEOR-05-SB01-12.5-13 1	2.34e4	49.6	YES
8	8 13C7-PFUnA	1701312-02 GPEOR-05-SB01-12.5-13 1	1.43e4	25.4	YES

Name: 171003M2_15, Date: 03-Oct-2017, Time: 19:39:58, ID: 1701312-03 GPEOR-05-SB02-0.5-1 1, Description: GPEOR-05-SB02-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-03 GPEOR-05-SB02-0.5-1 1	3.63e4	234.5	YES
2	2 13C5-PFHxA	1701312-03 GPEOR-05-SB02-0.5-1 1	4.76e4	143.5	NO
3	3 13C3-PFHxS	1701312-03 GPEOR-05-SB02-0.5-1 1	7.50e3	131.5	NO
4	4 13C8-PFOA	1701312-03 GPEOR-05-SB02-0.5-1 1	3.41e4	79.6	NO
5	5 13C9-PFNA	1701312-03 GPEOR-05-SB02-0.5-1 1	3.77e4	65.4	NO
6	6 13C4-PFOS	1701312-03 GPEOR-05-SB02-0.5-1 1	4.57e3	42.8	YES
7	7 13C6-PFDA	1701312-03 GPEOR-05-SB02-0.5-1 1	1.63e4	34.6	YES
8	8 13C7-PFUnA	1701312-03 GPEOR-05-SB02-0.5-1 1	7.34e3	13.0	YES

Name: 171003M2_16, Date: 03-Oct-2017, Time: 19:50:44, ID: 1701312-04 GPEOR-05-SB02-4.5-5 1, Description: GPEOR-05-SB02-4.5-5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-04 GPEOR-05-SB02-4.5-5 1	3.28e4	211.9	YES
2	2 13C5-PFHxA	1701312-04 GPEOR-05-SB02-4.5-5 1	4.39e4	132.3	NO
3	3 13C3-PFHxS	1701312-04 GPEOR-05-SB02-4.5-5 1	8.11e3	142.1	NO
4	4 13C8-PFOA	1701312-04 GPEOR-05-SB02-4.5-5 1	3.57e4	83.3	NO
5	5 13C9-PFNA	1701312-04 GPEOR-05-SB02-4.5-5 1	3.72e4	64.5	NO
6	6 13C4-PFOS	1701312-04 GPEOR-05-SB02-4.5-5 1	6.45e3	60.4	NO
7	7 13C6-PFDA	1701312-04 GPEOR-05-SB02-4.5-5 1	2.56e4	54.2	NO
8	8 13C7-PFUnA	1701312-04 GPEOR-05-SB02-4.5-5 1	1.81e4	32.0	YES

Name: 171003M2_17, Date: 03-Oct-2017, Time: 20:01:31, ID: 1701312-05 GPEOR-05-SB03-0.5-1 1, Description: GPEOR-05-SB03-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-05 GPEOR-05-SB03-0.5-1 1	3.36e4	217.0	YES
2	2 13C5-PFHxA	1701312-05 GPEOR-05-SB03-0.5-1 1	4.71e4	142.1	NO
3	3 13C3-PFHxS	1701312-05 GPEOR-05-SB03-0.5-1 1	6.80e3	119.3	NO
4	4 13C8-PFOA	1701312-05 GPEOR-05-SB03-0.5-1 1	3.34e4	78.0	NO
5	5 13C9-PFNA	1701312-05 GPEOR-05-SB03-0.5-1 1	3.55e4	61.6	NO
6	6 13C4-PFOS	1701312-05 GPEOR-05-SB03-0.5-1 1	4.09e3	38.3	YES
7	7 13C6-PFDA	1701312-05 GPEOR-05-SB03-0.5-1 1	1.50e4	31.7	YES
8	8 13C7-PFUnA	1701312-05 GPEOR-05-SB03-0.5-1 1	9.26e3	16.4	YES

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Name: 171003M2_18, Date: 03-Oct-2017, Time: 20:12:11, ID: 1701312-07 GPEOR-07-SB03-1-1.5 1,
Description: GPEOR-07-SB03-1-1.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-07 GPEOR-07-SB03-1-1.5 1	3.36e4	217.4	YES
2	2 13C5-PFHxA	1701312-07 GPEOR-07-SB03-1-1.5 1	4.58e4	138.3	NO
3	3 13C3-PFHxS	1701312-07 GPEOR-07-SB03-1-1.5 1	7.73e3	135.5	NO
4	4 13C8-PFOA	1701312-07 GPEOR-07-SB03-1-1.5 1	3.54e4	82.6	NO
5	5 13C9-PFNA	1701312-07 GPEOR-07-SB03-1-1.5 1	3.83e4	66.4	NO
6	6 13C4-PFOS	1701312-07 GPEOR-07-SB03-1-1.5 1	4.38e3	41.1	YES
7	7 13C6-PFDA	1701312-07 GPEOR-07-SB03-1-1.5 1	1.42e4	30.1	YES
8	8 13C7-PFUnA	1701312-07 GPEOR-07-SB03-1-1.5 1	5.89e3	10.4	YES

Name: 171003M2_19, Date: 03-Oct-2017, Time: 20:22:56, ID: 1701312-08 GPEOR-07-SB03-14.5-15 1,
Description: GPEOR-07-SB03-14.5-15

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-08 GPEOR-07-SB03-14.5-15 1	3.37e4	218.0	YES
2	2 13C5-PFHxA	1701312-08 GPEOR-07-SB03-14.5-15 1	4.36e4	131.6	NO
3	3 13C3-PFHxS	1701312-08 GPEOR-07-SB03-14.5-15 1	6.90e3	121.0	NO
4	4 13C8-PFOA	1701312-08 GPEOR-07-SB03-14.5-15 1	3.07e4	71.8	NO
5	5 13C9-PFNA	1701312-08 GPEOR-07-SB03-14.5-15 1	3.16e4	54.8	NO
6	6 13C4-PFOS	1701312-08 GPEOR-07-SB03-14.5-15 1	4.13e3	38.7	YES
7	7 13C6-PFDA	1701312-08 GPEOR-07-SB03-14.5-15 1	1.55e4	32.8	YES
8	8 13C7-PFUnA	1701312-08 GPEOR-07-SB03-14.5-15 1	7.17e3	12.7	YES

Name: 171003M2_20, Date: 03-Oct-2017, Time: 20:33:34, ID: 1701312-09 GPEOR-07-SB01-1-1.5 1,
Description: GPEOR-07-SB01-1-1.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-09 GPEOR-07-SB01-1-1.5 1	3.44e4	222.4	YES
2	2 13C5-PFHxA	1701312-09 GPEOR-07-SB01-1-1.5 1	4.74e4	142.9	NO
3	3 13C3-PFHxS	1701312-09 GPEOR-07-SB01-1-1.5 1	7.96e3	139.6	NO
4	4 13C8-PFOA	1701312-09 GPEOR-07-SB01-1-1.5 1	3.79e4	88.5	NO
5	5 13C9-PFNA	1701312-09 GPEOR-07-SB01-1-1.5 1	3.41e4	59.1	NO
6	6 13C4-PFOS	1701312-09 GPEOR-07-SB01-1-1.5 1	3.73e3	34.9	YES
7	7 13C6-PFDA	1701312-09 GPEOR-07-SB01-1-1.5 1	1.39e4	29.5	YES
8	8 13C7-PFUnA	1701312-09 GPEOR-07-SB01-1-1.5 1	7.07e3	12.5	YES

Name: 171003M2_21, Date: 03-Oct-2017, Time: 20:44:13, ID: 1701312-10 GPEOR-07-SB01-11.5-12 1,
Description: GPEOR-07-SB01-11.5-12

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-10 GPEOR-07-SB01-11.5-12 1	3.21e4	207.4	YES
2	2 13C5-PFHxA	1701312-10 GPEOR-07-SB01-11.5-12 1	4.50e4	135.7	NO
3	3 13C3-PFHxS	1701312-10 GPEOR-07-SB01-11.5-12 1	7.19e3	126.0	NO
4	4 13C8-PFOA	1701312-10 GPEOR-07-SB01-11.5-12 1	3.13e4	73.2	NO
5	5 13C9-PFNA	1701312-10 GPEOR-07-SB01-11.5-12 1	3.46e4	60.0	NO
6	6 13C4-PFOS	1701312-10 GPEOR-07-SB01-11.5-12 1	4.16e3	39.0	YES
7	7 13C6-PFDA	1701312-10 GPEOR-07-SB01-11.5-12 1	1.49e4	31.6	YES
8	8 13C7-PFUnA	1701312-10 GPEOR-07-SB01-11.5-12 1	7.05e3	12.5	YES

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Name: 171003M2_22, Date: 03-Oct-2017, Time: 20:54:59, ID: 1701312-11 GPEOR-07-SB02-1.5-2 1,
Description: GPEOR-07-SB02-1.5-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701312-11 GPEOR-07-SB02-1.5-2 1	3.45e4	222.8	YES
2	2 13C5-PFHxA	1701312-11 GPEOR-07-SB02-1.5-2 1	4.91e4	148.0	NO
3	3 13C3-PFHxS	1701312-11 GPEOR-07-SB02-1.5-2 1	7.41e3	129.9	NO
4	4 13C8-PFOA	1701312-11 GPEOR-07-SB02-1.5-2 1	3.42e4	79.9	NO
5	5 13C9-PFNA	1701312-11 GPEOR-07-SB02-1.5-2 1	2.81e4	48.8	YES
6	6 13C4-PFOS	1701312-11 GPEOR-07-SB02-1.5-2 1	2.31e3	21.6	YES
7	7 13C6-PFDA	1701312-11 GPEOR-07-SB02-1.5-2 1	8.82e3	18.7	YES
8	8 13C7-PFUnA	1701312-11 GPEOR-07-SB02-1.5-2 1	4.01e3	7.1	YES

Name: 171003M2_23, Date: 03-Oct-2017, Time: 21:05:38, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.89e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_24, Date: 03-Oct-2017, Time: 21:16:24, ID: ST171003M2-2 PFC CS3 17I2915, Description: PFC CS3 17I2915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-2 PFC CS3 17I2915	1.42e4	91.7	NO
2	2 13C5-PFHxA	ST171003M2-2 PFC CS3 17I2915	2.97e4	89.5	NO
3	3 13C3-PFHxS	ST171003M2-2 PFC CS3 17I2915	5.16e3	90.5	NO
4	4 13C8-PFOA	ST171003M2-2 PFC CS3 17I2915	3.81e4	89.0	NO
5	5 13C9-PFNA	ST171003M2-2 PFC CS3 17I2915	5.80e4	100.6	NO
6	6 13C4-PFOS	ST171003M2-2 PFC CS3 17I2915	1.04e4	97.8	NO
7	7 13C6-PFDA	ST171003M2-2 PFC CS3 17I2915	4.62e4	97.8	NO
8	8 13C7-PFUnA	ST171003M2-2 PFC CS3 17I2915	5.13e4	90.8	NO

Name: 171003M2_25, Date: 03-Oct-2017, Time: 21:27:11, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA	8.10e0	0.0	NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

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Name: 171003M2_26, Date: 03-Oct-2017, Time: 21:37:57, ID: 1701316-01 GPEOR-SO-DUP001-092017 1, Description: GPEOR-SO-DUP001-092017

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-01 GPEOR-SO-DUP001-0920...	3.60e4	232.4	YES
2	2 13C5-PFHxA	1701316-01 GPEOR-SO-DUP001-0920...	5.18e4	156.3	YES
3	3 13C3-PFHxS	1701316-01 GPEOR-SO-DUP001-0920...	8.59e3	150.7	YES
4	4 13C8-PFOA	1701316-01 GPEOR-SO-DUP001-0920...	3.38e4	79.0	NO
5	5 13C9-PFNA	1701316-01 GPEOR-SO-DUP001-0920...	3.19e4	55.3	NO
6	6 13C4-PFOS	1701316-01 GPEOR-SO-DUP001-0920...	4.81e3	45.1	YES
7	7 13C6-PFDA	1701316-01 GPEOR-SO-DUP001-0920...	1.32e4	27.9	YES
8	8 13C7-PFUnA	1701316-01 GPEOR-SO-DUP001-0920...	1.00e4	17.8	YES

Name: 171003M2_27, Date: 03-Oct-2017, Time: 21:48:43, ID: 1701316-02 GPEOR-SO-DUP002-092017 1, Description: GPEOR-SO-DUP002-092017

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-02 GPEOR-SO-DUP002-0920...	3.24e4	209.4	YES
2	2 13C5-PFHxA	1701316-02 GPEOR-SO-DUP002-0920...	4.45e4	134.2	NO
3	3 13C3-PFHxS	1701316-02 GPEOR-SO-DUP002-0920...	7.81e3	136.9	NO
4	4 13C8-PFOA	1701316-02 GPEOR-SO-DUP002-0920...	3.72e4	86.9	NO
5	5 13C9-PFNA	1701316-02 GPEOR-SO-DUP002-0920...	4.00e4	69.4	NO
6	6 13C4-PFOS	1701316-02 GPEOR-SO-DUP002-0920...	5.36e3	50.2	NO
7	7 13C6-PFDA	1701316-02 GPEOR-SO-DUP002-0920...	2.37e4	50.1	NO
8	8 13C7-PFUnA	1701316-02 GPEOR-SO-DUP002-0920...	1.23e4	21.7	YES

Name: 171003M2_28, Date: 03-Oct-2017, Time: 21:59:22, ID: 1701316-03 GPEOR-SO-DUP005-092017 1, Description: GPEOR-SO-DUP005-092017

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-03 GPEOR-SO-DUP005-0920...	3.39e4	219.3	YES
2	2 13C5-PFHxA	1701316-03 GPEOR-SO-DUP005-0920...	4.94e4	149.1	NO
3	3 13C3-PFHxS	1701316-03 GPEOR-SO-DUP005-0920...	7.41e3	129.9	NO
4	4 13C8-PFOA	1701316-03 GPEOR-SO-DUP005-0920...	3.33e4	77.8	NO
5	5 13C9-PFNA	1701316-03 GPEOR-SO-DUP005-0920...	2.79e4	48.4	YES
6	6 13C4-PFOS	1701316-03 GPEOR-SO-DUP005-0920...	3.57e3	33.4	YES
7	7 13C6-PFDA	1701316-03 GPEOR-SO-DUP005-0920...	1.18e4	25.1	YES
8	8 13C7-PFUnA	1701316-03 GPEOR-SO-DUP005-0920...	6.13e3	10.9	YES

Name: 171003M2_29, Date: 03-Oct-2017, Time: 22:10:08, ID: 1701316-08 GPEOR-06-SB02-0.5-1 1, Description: GPEOR-06-SB02-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-08 GPEOR-06-SB02-0.5-1 1	3.35e4	216.2	YES
2	2 13C5-PFHxA	1701316-08 GPEOR-06-SB02-0.5-1 1	4.81e4	145.0	NO
3	3 13C3-PFHxS	1701316-08 GPEOR-06-SB02-0.5-1 1	8.35e3	146.3	NO
4	4 13C8-PFOA	1701316-08 GPEOR-06-SB02-0.5-1 1	3.17e4	73.9	NO
5	5 13C9-PFNA	1701316-08 GPEOR-06-SB02-0.5-1 1	3.78e4	65.6	NO
6	6 13C4-PFOS	1701316-08 GPEOR-06-SB02-0.5-1 1	4.50e3	42.2	YES
7	7 13C6-PFDA	1701316-08 GPEOR-06-SB02-0.5-1 1	1.59e4	33.7	YES
8	8 13C7-PFUnA	1701316-08 GPEOR-06-SB02-0.5-1 1	8.49e3	15.0	YES

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Name: 171003M2_30, Date: 03-Oct-2017, Time: 22:20:55, ID: 1701316-10 GPEOR-06-SB02-9.5-10 1, Description: GPEOR-06-SB02-9.5-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-10 GPEOR-06-SB02-9.5-10 1	2.89e4	187.0	YES
2	2 13C5-PFHxA	1701316-10 GPEOR-06-SB02-9.5-10 1	4.14e4	124.8	NO
3	3 13C3-PFHxS	1701316-10 GPEOR-06-SB02-9.5-10 1	8.04e3	140.9	NO
4	4 13C8-PFOA	1701316-10 GPEOR-06-SB02-9.5-10 1	3.06e4	71.6	NO
5	5 13C9-PFNA	1701316-10 GPEOR-06-SB02-9.5-10 1	3.63e4	63.0	NO
6	6 13C4-PFOS	1701316-10 GPEOR-06-SB02-9.5-10 1	4.34e3	40.7	YES
7	7 13C6-PFDA	1701316-10 GPEOR-06-SB02-9.5-10 1	1.53e4	32.4	YES
8	8 13C7-PFUnA	1701316-10 GPEOR-06-SB02-9.5-10 1	6.13e3	10.9	YES

Name: 171003M2_31, Date: 03-Oct-2017, Time: 22:31:41, ID: 1701316-11 GPEOR-06-SB03-0.5-1 1, Description: GPEOR-06-SB03-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-11 GPEOR-06-SB03-0.5-1 1	3.41e4	220.3	YES
2	2 13C5-PFHxA	1701316-11 GPEOR-06-SB03-0.5-1 1	4.61e4	139.1	NO
3	3 13C3-PFHxS	1701316-11 GPEOR-06-SB03-0.5-1 1	7.57e3	132.8	NO
4	4 13C8-PFOA	1701316-11 GPEOR-06-SB03-0.5-1 1	3.14e4	73.3	NO
5	5 13C9-PFNA	1701316-11 GPEOR-06-SB03-0.5-1 1	2.40e4	41.6	YES
6	6 13C4-PFOS	1701316-11 GPEOR-06-SB03-0.5-1 1	2.25e3	21.0	YES
7	7 13C6-PFDA	1701316-11 GPEOR-06-SB03-0.5-1 1	7.43e3	15.7	YES
8	8 13C7-PFUnA	1701316-11 GPEOR-06-SB03-0.5-1 1	6.47e3	11.5	YES

Name: 171003M2_32, Date: 03-Oct-2017, Time: 22:42:28, ID: 1701316-12 GPEOR-06-SB03-6.5-7 1, Description: GPEOR-06-SB03-6.5-7

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701316-12 GPEOR-06-SB03-6.5-7 1	3.15e4	203.4	YES
2	2 13C5-PFHxA	1701316-12 GPEOR-06-SB03-6.5-7 1	4.35e4	131.3	NO
3	3 13C3-PFHxS	1701316-12 GPEOR-06-SB03-6.5-7 1	7.79e3	136.6	NO
4	4 13C8-PFOA	1701316-12 GPEOR-06-SB03-6.5-7 1	3.80e4	88.7	NO
5	5 13C9-PFNA	1701316-12 GPEOR-06-SB03-6.5-7 1	3.55e4	61.7	NO
6	6 13C4-PFOS	1701316-12 GPEOR-06-SB03-6.5-7 1	6.31e3	59.1	NO
7	7 13C6-PFDA	1701316-12 GPEOR-06-SB03-6.5-7 1	2.06e4	43.6	YES
8	8 13C7-PFUnA	1701316-12 GPEOR-06-SB03-6.5-7 1	9.83e3	17.4	YES

Name: 171003M2_33, Date: 03-Oct-2017, Time: 22:53:14, ID: 1701342-01 JFOSS-10-SW01-092517 0.125, Description: JFOSS-10-SW01-092517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-01 JFOSS-10-SW01-092517 ...	4.07e4	263.3	YES
2	2 13C5-PFHxA	1701342-01 JFOSS-10-SW01-092517 ...	5.73e4	172.9	YES
3	3 13C3-PFHxS	1701342-01 JFOSS-10-SW01-092517 ...	9.57e3	167.7	YES
4	4 13C8-PFOA	1701342-01 JFOSS-10-SW01-092517 ...	4.39e4	102.4	NO
5	5 13C9-PFNA	1701342-01 JFOSS-10-SW01-092517 ...	4.18e4	72.4	NO
6	6 13C4-PFOS	1701342-01 JFOSS-10-SW01-092517 ...	7.02e3	65.8	NO
7	7 13C6-PFDA	1701342-01 JFOSS-10-SW01-092517 ...	1.97e4	41.8	YES
8	8 13C7-PFUnA	1701342-01 JFOSS-10-SW01-092517 ...	1.27e4	22.4	YES

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Name: 171003M2_34, Date: 03-Oct-2017, Time: 23:04:01, ID: 1701342-02 JFOSS-11-SW01-092517 0.125, Description: JFOSS-11-SW01-092517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-02 JFOSS-11-SW01-092517 0...	3.47e4	224.5	YES
2	2 13C5-PFHxA	1701342-02 JFOSS-11-SW01-092517 0...	4.81e4	145.0	NO
3	3 13C3-PFHxS	1701342-02 JFOSS-11-SW01-092517 0...	8.53e3	149.6	NO
4	4 13C8-PFOA	1701342-02 JFOSS-11-SW01-092517 0...	3.69e4	86.1	NO
5	5 13C9-PFNA	1701342-02 JFOSS-11-SW01-092517 0...	4.07e4	70.6	NO
6	6 13C4-PFOS	1701342-02 JFOSS-11-SW01-092517 0...	7.32e3	68.6	NO
7	7 13C6-PFDA	1701342-02 JFOSS-11-SW01-092517 0...	2.14e4	45.4	YES
8	8 13C7-PFUnA	1701342-02 JFOSS-11-SW01-092517 0...	1.66e4	29.4	YES

Name: 171003M2_35, Date: 03-Oct-2017, Time: 23:14:47, ID: 1701342-03 JFOSS-12-SW01-092517 0.125, Description: JFOSS-12-SW01-092517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-03 JFOSS-12-SW01-092517 ...	3.74e4	242.0	YES
2	2 13C5-PFHxA	1701342-03 JFOSS-12-SW01-092517 ...	5.07e4	152.9	YES
3	3 13C3-PFHxS	1701342-03 JFOSS-12-SW01-092517 ...	9.11e3	159.7	YES
4	4 13C8-PFOA	1701342-03 JFOSS-12-SW01-092517 ...	3.77e4	87.9	NO
5	5 13C9-PFNA	1701342-03 JFOSS-12-SW01-092517 ...	3.79e4	65.7	NO
6	6 13C4-PFOS	1701342-03 JFOSS-12-SW01-092517 ...	6.03e3	56.5	NO
7	7 13C6-PFDA	1701342-03 JFOSS-12-SW01-092517 ...	2.07e4	43.8	YES
8	8 13C7-PFUnA	1701342-03 JFOSS-12-SW01-092517 ...	1.48e4	26.2	YES

Name: 171003M2_36, Date: 03-Oct-2017, Time: 23:25:26, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	8.55e0	0.1	NO
2	2 13C5-PFHxA	IPA	1.64e1	0.0	NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 1712915, Description: PFC CS3 1712915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-3 PFC CS3 1712915	1.43e4	92.5	NO
2	2 13C5-PFHxA	ST171003M2-3 PFC CS3 1712915	2.98e4	89.9	NO
3	3 13C3-PFHxS	ST171003M2-3 PFC CS3 1712915	5.62e3	98.5	NO
4	4 13C8-PFOA	ST171003M2-3 PFC CS3 1712915	3.59e4	83.9	NO
5	5 13C9-PFNA	ST171003M2-3 PFC CS3 1712915	6.26e4	108.6	NO
6	6 13C4-PFOS	ST171003M2-3 PFC CS3 1712915	1.12e4	104.7	NO
7	7 13C6-PFDA	ST171003M2-3 PFC CS3 1712915	4.94e4	104.5	NO
8	8 13C7-PFUnA	ST171003M2-3 PFC CS3 1712915	5.39e4	95.3	NO

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Name: 171003M2_38, Date: 03-Oct-2017, Time: 23:46:51, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.40e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_39, Date: 03-Oct-2017, Time: 23:57:29, ID: 1701342-08 JFOSS-GW-TW04-092617 0.125, Description: JFOSS-GW-TW04-092617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-08 JFOSS-GW-TW04-092617...	3.83e4	247.4	YES
2	2 13C5-PFHxA	1701342-08 JFOSS-GW-TW04-092617...	5.09e4	153.4	YES
3	3 13C3-PFHxS	1701342-08 JFOSS-GW-TW04-092617...	7.53e3	132.0	NO
4	4 13C8-PFOA	1701342-08 JFOSS-GW-TW04-092617...	4.30e4	100.4	NO
5	5 13C9-PFNA	1701342-08 JFOSS-GW-TW04-092617...	4.30e4	74.7	NO
6	6 13C4-PFOS	1701342-08 JFOSS-GW-TW04-092617...	4.53e3	42.5	YES
7	7 13C6-PFDA	1701342-08 JFOSS-GW-TW04-092617...	1.68e4	35.6	YES
8	8 13C7-PFUnA	1701342-08 JFOSS-GW-TW04-092617...	7.13e3	12.6	YES

Name: 171003M2_40, Date: 04-Oct-2017, Time: 00:08:16, ID: 1701342-09@20X JFOSS-GW-TW10-092617 0.125, Description: JFOSS-GW-TW10-092617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-09@20X JFOSS-GW-TW10-0...	2.91e3	18.8	YES
2	2 13C5-PFHxA	1701342-09@20X JFOSS-GW-TW10-0...	7.87e3	23.7	YES
3	3 13C3-PFHxS	1701342-09@20X JFOSS-GW-TW10-0...	1.24e3	21.8	YES
4	4 13C8-PFOA	1701342-09@20X JFOSS-GW-TW10-0...	5.60e3	13.1	YES
5	5 13C9-PFNA	1701342-09@20X JFOSS-GW-TW10-0...	5.97e3	10.4	YES
6	6 13C4-PFOS	1701342-09@20X JFOSS-GW-TW10-0...	8.24e2	7.7	YES
7	7 13C6-PFDA	1701342-09@20X JFOSS-GW-TW10-0...	3.22e3	6.8	YES
8	8 13C7-PFUnA	1701342-09@20X JFOSS-GW-TW10-0...	1.85e3	3.3	YES

Name: 171003M2_41, Date: 04-Oct-2017, Time: 00:19:02, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.29e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

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Name: 171003M2_42, Date: 04-Oct-2017, Time: 00:29:40, ID: 1701342-09 JFOSS-GW-TW10-092617 0.125, Description: JFOSS-GW-TW10-092617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-09 JFOSS-GW-TW10-092617...	4.20e4	271.5	YES
2	2 13C5-PFHxA	1701342-09 JFOSS-GW-TW10-092617...	5.66e4	170.8	YES
3	3 13C3-PFHxS	1701342-09 JFOSS-GW-TW10-092617...	8.42e3	147.6	NO
4	4 13C8-PFOA	1701342-09 JFOSS-GW-TW10-092617...	4.68e4	109.4	NO
5	5 13C9-PFNA	1701342-09 JFOSS-GW-TW10-092617...	4.63e4	80.4	NO
6	6 13C4-PFOS	1701342-09 JFOSS-GW-TW10-092617...	4.68e3	43.9	YES
7	7 13C6-PFDA	1701342-09 JFOSS-GW-TW10-092617...	2.32e4	49.1	YES
8	8 13C7-PFUnA	1701342-09 JFOSS-GW-TW10-092617...	1.02e4	18.1	YES

Name: 171003M2_43, Date: 04-Oct-2017, Time: 00:40:31, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.28e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_44, Date: 04-Oct-2017, Time: 00:51:19, ID: 1701342-10 JFOSS-GW-TW11-092617 0.125, Description: JFOSS-GW-TW11-092617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-10 JFOSS-GW-TW11-092617 ...	3.80e4	245.9	YES
2	2 13C5-PFHxA	1701342-10 JFOSS-GW-TW11-092617 ...	5.31e4	160.2	YES
3	3 13C3-PFHxS	1701342-10 JFOSS-GW-TW11-092617 ...	7.75e3	135.9	NO
4	4 13C8-PFOA	1701342-10 JFOSS-GW-TW11-092617 ...	4.20e4	98.0	NO
5	5 13C9-PFNA	1701342-10 JFOSS-GW-TW11-092617 ...	4.12e4	71.4	NO
6	6 13C4-PFOS	1701342-10 JFOSS-GW-TW11-092617 ...	5.48e3	51.4	NO
7	7 13C6-PFDA	1701342-10 JFOSS-GW-TW11-092617 ...	1.78e4	37.6	YES
8	8 13C7-PFUnA	1701342-10 JFOSS-GW-TW11-092617 ...	6.05e3	10.7	YES

Name: 171003M2_45, Date: 04-Oct-2017, Time: 01:02:00, ID: 1701342-11 JFOSS-GW-TW14-092617 0.125, Description: JFOSS-GW-TW14-092617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-11 JFOSS-GW-TW14-092617 ...	3.91e4	252.6	YES
2	2 13C5-PFHxA	1701342-11 JFOSS-GW-TW14-092617 ...	5.26e4	158.6	YES
3	3 13C3-PFHxS	1701342-11 JFOSS-GW-TW14-092617 ...	8.04e3	141.0	NO
4	4 13C8-PFOA	1701342-11 JFOSS-GW-TW14-092617 ...	3.96e4	92.6	NO
5	5 13C9-PFNA	1701342-11 JFOSS-GW-TW14-092617 ...	4.27e4	74.1	NO
6	6 13C4-PFOS	1701342-11 JFOSS-GW-TW14-092617 ...	5.33e3	49.9	NO
7	7 13C6-PFDA	1701342-11 JFOSS-GW-TW14-092617 ...	2.05e4	43.4	YES
8	8 13C7-PFUnA	1701342-11 JFOSS-GW-TW14-092617 ...	7.63e3	13.5	YES

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Name: 171003M2_46, Date: 04-Oct-2017, Time: 01:12:46, ID: 1701342-18 JFOSS-GW-TW16-092817 0.125, Description: JFOSS-GW-TW16-092817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-18 JFOSS-GW-TW16-092817...	4.00e4	258.5	YES
2	2 13C5-PFHxA	1701342-18 JFOSS-GW-TW16-092817...	5.77e4	174.2	YES
3	3 13C3-PFHxS	1701342-18 JFOSS-GW-TW16-092817...	8.44e3	147.9	NO
4	4 13C8-PFOA	1701342-18 JFOSS-GW-TW16-092817...	4.41e4	102.9	NO
5	5 13C9-PFNA	1701342-18 JFOSS-GW-TW16-092817...	4.39e4	76.1	NO
6	6 13C4-PFOS	1701342-18 JFOSS-GW-TW16-092817...	6.19e3	58.0	NO
7	7 13C6-PFDA	1701342-18 JFOSS-GW-TW16-092817...	1.97e4	41.7	YES
8	8 13C7-PFUnA	1701342-18 JFOSS-GW-TW16-092817...	7.54e3	13.3	YES

Name: 171003M2_47, Date: 04-Oct-2017, Time: 01:23:33, ID: 1701342-19 JFOSS-GW-TW17-092817 0.125, Description: JFOSS-GW-TW17-092817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701342-19 JFOSS-GW-TW17-092817...	4.22e4	272.7	YES
2	2 13C5-PFHxA	1701342-19 JFOSS-GW-TW17-092817...	5.79e4	174.7	YES
3	3 13C3-PFHxS	1701342-19 JFOSS-GW-TW17-092817...	8.51e3	149.2	NO
4	4 13C8-PFOA	1701342-19 JFOSS-GW-TW17-092817...	4.38e4	102.2	NO
5	5 13C9-PFNA	1701342-19 JFOSS-GW-TW17-092817...	4.84e4	84.1	NO
6	6 13C4-PFOS	1701342-19 JFOSS-GW-TW17-092817...	6.48e3	60.7	NO
7	7 13C6-PFDA	1701342-19 JFOSS-GW-TW17-092817...	2.27e4	48.1	YES
8	8 13C7-PFUnA	1701342-19 JFOSS-GW-TW17-092817...	7.84e3	13.9	YES

Name: 171003M2_48, Date: 04-Oct-2017, Time: 01:34:19, ID: B7J0002-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0002-BS1 OPR 0.125	2.97e4	191.6	YES
2	2 13C5-PFHxA	B7J0002-BS1 OPR 0.125	4.34e4	130.8	NO
3	3 13C3-PFHxS	B7J0002-BS1 OPR 0.125	7.91e3	138.7	NO
4	4 13C8-PFOA	B7J0002-BS1 OPR 0.125	3.51e4	81.9	NO
5	5 13C9-PFNA	B7J0002-BS1 OPR 0.125	4.62e4	80.1	NO
6	6 13C4-PFOS	B7J0002-BS1 OPR 0.125	8.13e3	76.1	NO
7	7 13C6-PFDA	B7J0002-BS1 OPR 0.125	3.75e4	79.5	NO
8	8 13C7-PFUnA	B7J0002-BS1 OPR 0.125	4.44e4	78.6	NO

Name: 171003M2_49, Date: 04-Oct-2017, Time: 01:44:58, ID: B7J0006-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0006-BS1 OPR 1	3.47e4	224.0	YES
2	2 13C5-PFHxA	B7J0006-BS1 OPR 1	5.15e4	155.5	YES
3	3 13C3-PFHxS	B7J0006-BS1 OPR 1	8.54e3	149.7	NO
4	4 13C8-PFOA	B7J0006-BS1 OPR 1	4.11e4	95.9	NO
5	5 13C9-PFNA	B7J0006-BS1 OPR 1	5.58e4	96.8	NO
6	6 13C4-PFOS	B7J0006-BS1 OPR 1	1.02e4	95.4	NO
7	7 13C6-PFDA	B7J0006-BS1 OPR 1	3.67e4	77.7	NO
8	8 13C7-PFUnA	B7J0006-BS1 OPR 1	4.32e4	76.4	NO

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Name: 171003M2_50, Date: 04-Oct-2017, Time: 01:55:44, ID: B7J0010-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0010-BS1 OPR 0.125	3.06e4	197.6	YES
2	2 13C5-PFHxA	B7J0010-BS1 OPR 0.125	4.37e4	131.8	NO
3	3 13C3-PFHxS	B7J0010-BS1 OPR 0.125	8.10e3	142.1	NO
4	4 13C8-PFOA	B7J0010-BS1 OPR 0.125	3.74e4	87.3	NO
5	5 13C9-PFNA	B7J0010-BS1 OPR 0.125	4.37e4	75.8	NO
6	6 13C4-PFOS	B7J0010-BS1 OPR 0.125	8.36e3	78.3	NO
7	7 13C6-PFDA	B7J0010-BS1 OPR 0.125	3.77e4	79.9	NO
8	8 13C7-PFUnA	B7J0010-BS1 OPR 0.125	4.09e4	72.4	NO

Name: 171003M2_51, Date: 04-Oct-2017, Time: 02:06:26, ID: IPA, Description: IPA

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

Name: 171003M2_52, Date: 04-Oct-2017, Time: 02:17:22, ID: B7J0002-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0002-BLK1 Method Blank 0.125	2.83e4	182.8	YES
2	2 13C5-PFHxA	B7J0002-BLK1 Method Blank 0.125	4.08e4	123.1	NO
3	3 13C3-PFHxS	B7J0002-BLK1 Method Blank 0.125	6.80e3	119.3	NO
4	4 13C8-PFOA	B7J0002-BLK1 Method Blank 0.125	3.36e4	78.4	NO
5	5 13C9-PFNA	B7J0002-BLK1 Method Blank 0.125	4.21e4	73.1	NO
6	6 13C4-PFOS	B7J0002-BLK1 Method Blank 0.125	7.76e3	72.8	NO
7	7 13C6-PFDA	B7J0002-BLK1 Method Blank 0.125	3.29e4	69.6	NO
8	8 13C7-PFUnA	B7J0002-BLK1 Method Blank 0.125	3.38e4	59.8	NO

Name: 171003M2_53, Date: 04-Oct-2017, Time: 02:28:24, ID: B7J0006-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0006-BLK1 Method Blank 1	3.41e4	220.1	YES
2	2 13C5-PFHxA	B7J0006-BLK1 Method Blank 1	4.85e4	146.5	NO
3	3 13C3-PFHxS	B7J0006-BLK1 Method Blank 1	7.52e3	131.9	NO
4	4 13C8-PFOA	B7J0006-BLK1 Method Blank 1	3.49e4	81.5	NO
5	5 13C9-PFNA	B7J0006-BLK1 Method Blank 1	5.02e4	87.2	NO
6	6 13C4-PFOS	B7J0006-BLK1 Method Blank 1	8.47e3	79.4	NO
7	7 13C6-PFDA	B7J0006-BLK1 Method Blank 1	4.32e4	91.4	NO
8	8 13C7-PFUnA	B7J0006-BLK1 Method Blank 1	4.68e4	82.8	NO

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Name: 171003M2_54, Date: 04-Oct-2017, Time: 02:39:10, ID: B7J0010-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0010-BLK1 Method Blank 0.125	2.94e4	190.0	YES
2	2 13C5-PFHxA	B7J0010-BLK1 Method Blank 0.125	4.51e4	136.0	NO
3	3 13C3-PFHxS	B7J0010-BLK1 Method Blank 0.125	6.89e3	120.8	NO
4	4 13C8-PFOA	B7J0010-BLK1 Method Blank 0.125	3.64e4	85.0	NO
5	5 13C9-PFNA	B7J0010-BLK1 Method Blank 0.125	4.13e4	71.7	NO
6	6 13C4-PFOS	B7J0010-BLK1 Method Blank 0.125	7.87e3	73.8	NO
7	7 13C6-PFDA	B7J0010-BLK1 Method Blank 0.125	3.99e4	84.5	NO
8	8 13C7-PFUnA	B7J0010-BLK1 Method Blank 0.125	4.21e4	74.4	NO

Name: 171003M2_55, Date: 04-Oct-2017, Time: 02:49:57, ID: 1701324-01 TLZP-GW03-17D 0.125, Description: TLZP-GW03-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-01 TLZP-GW03-17D 0.125	2.58e4	166.4	YES
2	2 13C5-PFHxA	1701324-01 TLZP-GW03-17D 0.125	3.79e4	114.3	NO
3	3 13C3-PFHxS	1701324-01 TLZP-GW03-17D 0.125	6.04e3	105.9	NO
4	4 13C8-PFOA	1701324-01 TLZP-GW03-17D 0.125	3.16e4	73.9	NO
5	5 13C9-PFNA	1701324-01 TLZP-GW03-17D 0.125	3.46e4	60.0	NO
6	6 13C4-PFOS	1701324-01 TLZP-GW03-17D 0.125	7.69e3	72.0	NO
7	7 13C6-PFDA	1701324-01 TLZP-GW03-17D 0.125	3.31e4	70.0	NO
8	8 13C7-PFUnA	1701324-01 TLZP-GW03-17D 0.125	3.62e4	64.0	NO

Name: 171003M2_56, Date: 04-Oct-2017, Time: 03:00:35, ID: 1701324-02 TLZP-GW04-17D 0.125, Description: TLZP-GW04-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-02 TLZP-GW04-17D 0.125	2.65e4	171.2	YES
2	2 13C5-PFHxA	1701324-02 TLZP-GW04-17D 0.125	3.87e4	116.7	NO
3	3 13C3-PFHxS	1701324-02 TLZP-GW04-17D 0.125	7.05e3	123.7	NO
4	4 13C8-PFOA	1701324-02 TLZP-GW04-17D 0.125	3.01e4	70.3	NO
5	5 13C9-PFNA	1701324-02 TLZP-GW04-17D 0.125	4.12e4	71.5	NO
6	6 13C4-PFOS	1701324-02 TLZP-GW04-17D 0.125	7.99e3	74.8	NO
7	7 13C6-PFDA	1701324-02 TLZP-GW04-17D 0.125	3.08e4	65.1	NO
8	8 13C7-PFUnA	1701324-02 TLZP-GW04-17D 0.125	3.28e4	58.0	NO

Name: 171003M2_57, Date: 04-Oct-2017, Time: 03:11:22, ID: B7J0002-MS1 Matrix Spike 0.125, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0002-MS1 Matrix Spike 0.125	2.27e4	146.6	NO
2	2 13C5-PFHxA	B7J0002-MS1 Matrix Spike 0.125	3.36e4	101.4	NO
3	3 13C3-PFHxS	B7J0002-MS1 Matrix Spike 0.125	7.72e3	135.4	NO
4	4 13C8-PFOA	B7J0002-MS1 Matrix Spike 0.125	3.02e4	70.6	NO
5	5 13C9-PFNA	B7J0002-MS1 Matrix Spike 0.125	4.14e4	71.9	NO
6	6 13C4-PFOS	B7J0002-MS1 Matrix Spike 0.125	8.44e3	79.1	NO
7	7 13C6-PFDA	B7J0002-MS1 Matrix Spike 0.125	3.31e4	70.2	NO
8	8 13C7-PFUnA	B7J0002-MS1 Matrix Spike 0.125	3.91e4	69.1	NO

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Name: 171003M2_58, Date: 04-Oct-2017, Time: 03:22:09, ID: B7J0002-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0002-MSD1 Matrix Spike Dup 0.125	2.71e4	175.4	YES
2	2 13C5-PFHxA	B7J0002-MSD1 Matrix Spike Dup 0.125	4.31e4	130.0	NO
3	3 13C3-PFHxS	B7J0002-MSD1 Matrix Spike Dup 0.125	7.23e3	126.7	NO
4	4 13C8-PFOA	B7J0002-MSD1 Matrix Spike Dup 0.125	2.78e4	65.0	NO
5	5 13C9-PFNA	B7J0002-MSD1 Matrix Spike Dup 0.125	3.89e4	67.5	NO
6	6 13C4-PFOS	B7J0002-MSD1 Matrix Spike Dup 0.125	8.29e3	77.6	NO
7	7 13C6-PFDA	B7J0002-MSD1 Matrix Spike Dup 0.125	3.38e4	71.6	NO
8	8 13C7-PFUnA	B7J0002-MSD1 Matrix Spike Dup 0.125	4.31e4	76.2	NO

Name: 171003M2_59, Date: 04-Oct-2017, Time: 03:32:55, ID: 1701324-03 TLZP-GW02-17D 0.125, Description: TLZP-GW02-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-03 TLZP-GW02-17D 0.125	2.79e4	180.2	YES
2	2 13C5-PFHxA	1701324-03 TLZP-GW02-17D 0.125	4.36e4	131.6	NO
3	3 13C3-PFHxS	1701324-03 TLZP-GW02-17D 0.125	7.92e3	138.9	NO
4	4 13C8-PFOA	1701324-03 TLZP-GW02-17D 0.125	3.49e4	81.4	NO
5	5 13C9-PFNA	1701324-03 TLZP-GW02-17D 0.125	4.06e4	70.4	NO
6	6 13C4-PFOS	1701324-03 TLZP-GW02-17D 0.125	7.93e3	74.3	NO
7	7 13C6-PFDA	1701324-03 TLZP-GW02-17D 0.125	3.31e4	70.0	NO
8	8 13C7-PFUnA	1701324-03 TLZP-GW02-17D 0.125	4.26e4	75.4	NO

Name: 171003M2_60, Date: 04-Oct-2017, Time: 03:43:33, ID: IPA, Description: IPA

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

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 17I2912, Description: PFC CS0 17I2912

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-4 PFC CS0 17I2912	1.66e4	107.0	NO
2	2 13C5-PFHxA	ST171003M2-4 PFC CS0 17I2912	3.69e4	111.4	NO
3	3 13C3-PFHxS	ST171003M2-4 PFC CS0 17I2912	6.31e3	110.6	NO
4	4 13C8-PFOA	ST171003M2-4 PFC CS0 17I2912	4.64e4	108.3	NO
5	5 13C9-PFNA	ST171003M2-4 PFC CS0 17I2912	6.89e4	119.5	NO
6	6 13C4-PFOS	ST171003M2-4 PFC CS0 17I2912	1.22e4	114.7	NO
7	7 13C6-PFDA	ST171003M2-4 PFC CS0 17I2912	5.12e4	108.3	NO
8	8 13C7-PFUnA	ST171003M2-4 PFC CS0 17I2912	5.85e4	103.5	NO

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Name: 171003M2_62, Date: 04-Oct-2017, Time: 04:04:58, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.05e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_63, Date: 04-Oct-2017, Time: 04:15:36, ID: 1701324-04 TLZP-GW02D-17D 0.125, Description: TLZP-GW02D-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-04 TLZP-GW02D-17D 0.125	3.05e4	196.8	YES
2	2 13C5-PFHxA	1701324-04 TLZP-GW02D-17D 0.125	4.51e4	136.1	NO
3	3 13C3-PFHxS	1701324-04 TLZP-GW02D-17D 0.125	7.88e3	138.2	NO
4	4 13C8-PFOA	1701324-04 TLZP-GW02D-17D 0.125	3.41e4	79.6	NO
5	5 13C9-PFNA	1701324-04 TLZP-GW02D-17D 0.125	4.39e4	76.2	NO
6	6 13C4-PFOS	1701324-04 TLZP-GW02D-17D 0.125	8.30e3	77.7	NO
7	7 13C6-PFDA	1701324-04 TLZP-GW02D-17D 0.125	4.16e4	88.0	NO
8	8 13C7-PFUnA	1701324-04 TLZP-GW02D-17D 0.125	4.27e4	75.5	NO

Name: 171003M2_64, Date: 04-Oct-2017, Time: 04:26:15, ID: 1701324-05 TLZP-GW01-17D 0.125, Description: TLZP-GW01-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-05 TLZP-GW01-17D 0.125	2.95e4	190.8	YES
2	2 13C5-PFHxA	1701324-05 TLZP-GW01-17D 0.125	4.56e4	137.7	NO
3	3 13C3-PFHxS	1701324-05 TLZP-GW01-17D 0.125	7.71e3	135.3	NO
4	4 13C8-PFOA	1701324-05 TLZP-GW01-17D 0.125	3.50e4	81.8	NO
5	5 13C9-PFNA	1701324-05 TLZP-GW01-17D 0.125	4.35e4	75.4	NO
6	6 13C4-PFOS	1701324-05 TLZP-GW01-17D 0.125	7.86e3	73.6	NO
7	7 13C6-PFDA	1701324-05 TLZP-GW01-17D 0.125	3.86e4	81.6	NO
8	8 13C7-PFUnA	1701324-05 TLZP-GW01-17D 0.125	4.25e4	75.2	NO

Name: 171003M2_65, Date: 04-Oct-2017, Time: 04:36:56, ID: 1701324-06 TLZP-GW07-17D 0.125, Description: TLZP-GW07-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-06 TLZP-GW07-17D 0.125	3.08e4	199.1	YES
2	2 13C5-PFHxA	1701324-06 TLZP-GW07-17D 0.125	4.61e4	139.2	NO
3	3 13C3-PFHxS	1701324-06 TLZP-GW07-17D 0.125	7.96e3	139.6	NO
4	4 13C8-PFOA	1701324-06 TLZP-GW07-17D 0.125	3.95e4	92.3	NO
5	5 13C9-PFNA	1701324-06 TLZP-GW07-17D 0.125	4.62e4	80.2	NO
6	6 13C4-PFOS	1701324-06 TLZP-GW07-17D 0.125	9.08e3	85.1	NO
7	7 13C6-PFDA	1701324-06 TLZP-GW07-17D 0.125	4.26e4	90.3	NO
8	8 13C7-PFUnA	1701324-06 TLZP-GW07-17D 0.125	4.62e4	81.7	NO

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Name: 171003M2_66, Date: 04-Oct-2017, Time: 04:47:42, ID: 1701324-07 TLZP-GW06-17D 0.125, Description: TLZP-GW06-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-07 TLZP-GW06-17D 0.125	3.29e4	212.5	YES
2	2 13C5-PFHxA	1701324-07 TLZP-GW06-17D 0.125	4.65e4	140.3	NO
3	3 13C3-PFHxS	1701324-07 TLZP-GW06-17D 0.125	7.45e3	130.5	NO
4	4 13C8-PFOA	1701324-07 TLZP-GW06-17D 0.125	3.84e4	89.6	NO
5	5 13C9-PFNA	1701324-07 TLZP-GW06-17D 0.125	5.01e4	86.9	NO
6	6 13C4-PFOS	1701324-07 TLZP-GW06-17D 0.125	8.53e3	79.9	NO
7	7 13C6-PFDA	1701324-07 TLZP-GW06-17D 0.125	4.37e4	92.5	NO
8	8 13C7-PFUnA	1701324-07 TLZP-GW06-17D 0.125	5.22e4	92.3	NO

Name: 171003M2_67, Date: 04-Oct-2017, Time: 04:58:29, ID: 1701324-08 TLZP-GW05-17D 0.125, Description: TLZP-GW05-17D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-08 TLZP-GW05-17D 0.125	2.95e4	190.6	YES
2	2 13C5-PFHxA	1701324-08 TLZP-GW05-17D 0.125	4.33e4	130.7	NO
3	3 13C3-PFHxS	1701324-08 TLZP-GW05-17D 0.125	7.08e3	124.0	NO
4	4 13C8-PFOA	1701324-08 TLZP-GW05-17D 0.125	3.64e4	85.0	NO
5	5 13C9-PFNA	1701324-08 TLZP-GW05-17D 0.125	4.37e4	75.8	NO
6	6 13C4-PFOS	1701324-08 TLZP-GW05-17D 0.125	7.75e3	72.6	NO
7	7 13C6-PFDA	1701324-08 TLZP-GW05-17D 0.125	3.37e4	71.4	NO
8	8 13C7-PFUnA	1701324-08 TLZP-GW05-17D 0.125	4.08e4	72.1	NO

Name: 171003M2_68, Date: 04-Oct-2017, Time: 05:09:15, ID: 1701324-09 TLZP-EB-092517 0.125, Description: TLZP-EB-092517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-09 TLZP-EB-092517 0.125	3.17e4	204.9	YES
2	2 13C5-PFHxA	1701324-09 TLZP-EB-092517 0.125	4.52e4	136.4	NO
3	3 13C3-PFHxS	1701324-09 TLZP-EB-092517 0.125	7.03e3	123.3	NO
4	4 13C8-PFOA	1701324-09 TLZP-EB-092517 0.125	3.67e4	85.7	NO
5	5 13C9-PFNA	1701324-09 TLZP-EB-092517 0.125	5.03e4	87.3	NO
6	6 13C4-PFOS	1701324-09 TLZP-EB-092517 0.125	8.49e3	79.6	NO
7	7 13C6-PFDA	1701324-09 TLZP-EB-092517 0.125	3.93e4	83.3	NO
8	8 13C7-PFUnA	1701324-09 TLZP-EB-092517 0.125	4.04e4	71.5	NO

Name: 171003M2_69, Date: 04-Oct-2017, Time: 05:20:02, ID: 1701324-10 TLZP-FB-092517 0.125, Description: TLZP-FB-092517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701324-10 TLZP-FB-092517 0.125	3.12e4	201.7	YES
2	2 13C5-PFHxA	1701324-10 TLZP-FB-092517 0.125	4.51e4	136.0	NO
3	3 13C3-PFHxS	1701324-10 TLZP-FB-092517 0.125	7.26e3	127.2	NO
4	4 13C8-PFOA	1701324-10 TLZP-FB-092517 0.125	3.38e4	78.8	NO
5	5 13C9-PFNA	1701324-10 TLZP-FB-092517 0.125	4.80e4	83.3	NO
6	6 13C4-PFOS	1701324-10 TLZP-FB-092517 0.125	8.55e3	80.1	NO
7	7 13C6-PFDA	1701324-10 TLZP-FB-092517 0.125	3.67e4	77.7	NO
8	8 13C7-PFUnA	1701324-10 TLZP-FB-092517 0.125	3.76e4	66.6	NO

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Name: 171003M2_70, Date: 04-Oct-2017, Time: 05:30:48, ID: 1701332-01 DWP-PW2 0.125, Description: DWP-PW2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701332-01 DWP-PW2 0.125	2.65e4	171.4	YES
2	2 13C5-PFHxA	1701332-01 DWP-PW2 0.125	3.63e4	109.4	NO
3	3 13C3-PFHxS	1701332-01 DWP-PW2 0.125	7.11e3	124.6	NO
4	4 13C8-PFOA	1701332-01 DWP-PW2 0.125	3.02e4	70.5	NO
5	5 13C9-PFNA	1701332-01 DWP-PW2 0.125	4.23e4	73.3	NO
6	6 13C4-PFOS	1701332-01 DWP-PW2 0.125	8.73e3	81.8	NO
7	7 13C6-PFDA	1701332-01 DWP-PW2 0.125	4.09e4	86.5	NO
8	8 13C7-PFUnA	1701332-01 DWP-PW2 0.125	3.95e4	69.9	NO

Name: 171003M2_71, Date: 04-Oct-2017, Time: 05:41:27, ID: 1701332-02 DWP-PW12 0.125, Description: DWP-PW12

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701332-02 DWP-PW12 0.125	2.62e4	169.4	YES
2	2 13C5-PFHxA	1701332-02 DWP-PW12 0.125	3.96e4	119.4	NO
3	3 13C3-PFHxS	1701332-02 DWP-PW12 0.125	7.23e3	126.7	NO
4	4 13C8-PFOA	1701332-02 DWP-PW12 0.125	3.05e4	71.2	NO
5	5 13C9-PFNA	1701332-02 DWP-PW12 0.125	3.84e4	66.6	NO
6	6 13C4-PFOS	1701332-02 DWP-PW12 0.125	8.64e3	80.9	NO
7	7 13C6-PFDA	1701332-02 DWP-PW12 0.125	3.49e4	73.8	NO
8	8 13C7-PFUnA	1701332-02 DWP-PW12 0.125	3.38e4	59.7	NO

Name: 171003M2_72, Date: 04-Oct-2017, Time: 05:52:13, ID: 1701346-01 GALPAB201 0.125, Description: GALPAB201

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701346-01 GALPAB201 0.125	2.99e4	193.0	YES
2	2 13C5-PFHxA	1701346-01 GALPAB201 0.125	4.42e4	133.4	NO
3	3 13C3-PFHxS	1701346-01 GALPAB201 0.125	7.89e3	138.3	NO
4	4 13C8-PFOA	1701346-01 GALPAB201 0.125	3.76e4	87.8	NO
5	5 13C9-PFNA	1701346-01 GALPAB201 0.125	5.46e4	94.8	NO
6	6 13C4-PFOS	1701346-01 GALPAB201 0.125	8.34e3	78.1	NO
7	7 13C6-PFDA	1701346-01 GALPAB201 0.125	3.95e4	83.7	NO
8	8 13C7-PFUnA	1701346-01 GALPAB201 0.125	4.21e4	74.5	NO

Name: 171003M2_73, Date: 04-Oct-2017, Time: 06:02:52, ID: 1701346-02 GALP08203 0.125, Description: GALP08203

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701346-02 GALP08203 0.125	2.83e4	182.6	YES
2	2 13C5-PFHxA	1701346-02 GALP08203 0.125	4.43e4	133.7	NO
3	3 13C3-PFHxS	1701346-02 GALP08203 0.125	6.95e3	121.9	NO
4	4 13C8-PFOA	1701346-02 GALP08203 0.125	3.41e4	79.7	NO
5	5 13C9-PFNA	1701346-02 GALP08203 0.125	4.48e4	77.7	NO
6	6 13C4-PFOS	1701346-02 GALP08203 0.125	7.64e3	71.6	NO
7	7 13C6-PFDA	1701346-02 GALP08203 0.125	3.66e4	77.5	NO
8	8 13C7-PFUnA	1701346-02 GALP08203 0.125	4.16e4	73.6	NO

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Name: 171003M2_74, Date: 04-Oct-2017, Time: 06:13:38, ID: 1701175-09 B-G-1 (6-12') 1, Description: B-G-1 (6-12')

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701175-09 B-G-1 (6-12') 1	3.49e4	225.7	YES
2	2 13C5-PFHxA	1701175-09 B-G-1 (6-12') 1	5.28e4	159.2	YES
3	3 13C3-PFHxS	1701175-09 B-G-1 (6-12') 1	9.39e3	164.7	YES
4	4 13C8-PFOA	1701175-09 B-G-1 (6-12') 1	3.74e4	87.3	NO
5	5 13C9-PFNA	1701175-09 B-G-1 (6-12') 1	5.25e4	91.2	NO
6	6 13C4-PFOS	1701175-09 B-G-1 (6-12') 1	9.62e3	90.2	NO
7	7 13C6-PFDA	1701175-09 B-G-1 (6-12') 1	3.19e4	67.6	NO
8	8 13C7-PFUnA	1701175-09 B-G-1 (6-12') 1	4.55e4	80.4	NO

Name: 171003M2_75, Date: 04-Oct-2017, Time: 06:24:16, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA	7.22e0	0.0	NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_76, Date: 04-Oct-2017, Time: 06:35:03, ID: ST171003M2-5 PFC CS3 1712915, Description: PFC CS3 1712915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-5 PFC CS3 1712915	1.61e4	104.3	NO
2	2 13C5-PFHxA	ST171003M2-5 PFC CS3 1712915	3.25e4	98.1	NO
3	3 13C3-PFHxS	ST171003M2-5 PFC CS3 1712915	6.46e3	113.2	NO
4	4 13C8-PFOA	ST171003M2-5 PFC CS3 1712915	4.75e4	110.9	NO
5	5 13C9-PFNA	ST171003M2-5 PFC CS3 1712915	6.69e4	116.0	NO
6	6 13C4-PFOS	ST171003M2-5 PFC CS3 1712915	1.21e4	113.4	NO
7	7 13C6-PFDA	ST171003M2-5 PFC CS3 1712915	5.56e4	117.7	NO
8	8 13C7-PFUnA	ST171003M2-5 PFC CS3 1712915	5.63e4	99.6	NO

Name: 171003M2_77, Date: 04-Oct-2017, Time: 06:45:49, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	5.18e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

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Name: 171003M2_78, Date: 04-Oct-2017, Time: 06:56:28, ID: 1701175-11 B-F-1 (6-12') 1, Description: B-F-1 (6-12')

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701175-11 B-F-1 (6-12') 1	3.53e4	227.8	YES
2	2 13C5-PFHxA	1701175-11 B-F-1 (6-12') 1	4.78e4	144.3	NO
3	3 13C3-PFHxS	1701175-11 B-F-1 (6-12') 1	8.47e3	148.5	NO
4	4 13C8-PFOA	1701175-11 B-F-1 (6-12') 1	4.03e4	94.0	NO
5	5 13C9-PFNA	1701175-11 B-F-1 (6-12') 1	4.80e4	83.4	NO
6	6 13C4-PFOS	1701175-11 B-F-1 (6-12') 1	9.91e3	92.8	NO
7	7 13C6-PFDA	1701175-11 B-F-1 (6-12') 1	4.16e4	88.2	NO
8	8 13C7-PFUnA	1701175-11 B-F-1 (6-12') 1	5.01e4	88.7	NO

Name: 171003M2_79, Date: 04-Oct-2017, Time: 07:07:26, ID: 1701313-01 GPEOR-04-SB02-0.5-1 1, Description: GPEOR-04-SB02-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-01 GPEOR-04-SB02-0.5-1 1	3.73e4	241.1	YES
2	2 13C5-PFHxA	1701313-01 GPEOR-04-SB02-0.5-1 1	5.06e4	152.8	YES
3	3 13C3-PFHxS	1701313-01 GPEOR-04-SB02-0.5-1 1	7.53e3	132.0	NO
4	4 13C8-PFOA	1701313-01 GPEOR-04-SB02-0.5-1 1	3.92e4	91.4	NO
5	5 13C9-PFNA	1701313-01 GPEOR-04-SB02-0.5-1 1	4.96e4	86.0	NO
6	6 13C4-PFOS	1701313-01 GPEOR-04-SB02-0.5-1 1	9.55e3	89.4	NO
7	7 13C6-PFDA	1701313-01 GPEOR-04-SB02-0.5-1 1	4.38e4	92.7	NO
8	8 13C7-PFUnA	1701313-01 GPEOR-04-SB02-0.5-1 1	4.32e4	76.5	NO

Name: 171003M2_80, Date: 04-Oct-2017, Time: 07:19:01, ID: B7J0006-MS1 Matrix Spike 1, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0006-MS1 Matrix Spike 1	3.70e4	239.4	YES
2	2 13C5-PFHxA	B7J0006-MS1 Matrix Spike 1	5.15e4	155.5	YES
3	3 13C3-PFHxS	B7J0006-MS1 Matrix Spike 1	7.88e3	138.2	NO
4	4 13C8-PFOA	B7J0006-MS1 Matrix Spike 1	3.96e4	92.5	NO
5	5 13C9-PFNA	B7J0006-MS1 Matrix Spike 1	4.87e4	84.4	NO
6	6 13C4-PFOS	B7J0006-MS1 Matrix Spike 1	8.43e3	79.0	NO
7	7 13C6-PFDA	B7J0006-MS1 Matrix Spike 1	3.73e4	78.9	NO
8	8 13C7-PFUnA	B7J0006-MS1 Matrix Spike 1	5.12e4	90.6	NO

Name: 171003M2_81, Date: 04-Oct-2017, Time: 07:30:17, ID: B7J0006-MSD1 Matrix Spike Dup 1, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0006-MSD1 Matrix Spike Dup 1	3.48e4	224.6	YES
2	2 13C5-PFHxA	B7J0006-MSD1 Matrix Spike Dup 1	4.77e4	143.9	NO
3	3 13C3-PFHxS	B7J0006-MSD1 Matrix Spike Dup 1	8.19e3	143.6	NO
4	4 13C8-PFOA	B7J0006-MSD1 Matrix Spike Dup 1	3.83e4	89.3	NO
5	5 13C9-PFNA	B7J0006-MSD1 Matrix Spike Dup 1	4.64e4	80.5	NO
6	6 13C4-PFOS	B7J0006-MSD1 Matrix Spike Dup 1	8.77e3	82.2	NO
7	7 13C6-PFDA	B7J0006-MSD1 Matrix Spike Dup 1	3.96e4	83.9	NO
8	8 13C7-PFUnA	B7J0006-MSD1 Matrix Spike Dup 1	4.51e4	79.8	NO

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Name: 171003M2_82, Date: 04-Oct-2017, Time: 07:40:56, ID: 1701313-02 GPEOR-04-SB02-14.5-15 1, Description: GPEOR-04-SB02-14.5-15

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-02 GPEOR-04-SB02-14.5-15 1	3.75e4	242.1	YES
2	2 13C5-PFHxA	1701313-02 GPEOR-04-SB02-14.5-15 1	5.26e4	158.6	YES
3	3 13C3-PFHxS	1701313-02 GPEOR-04-SB02-14.5-15 1	9.42e3	165.1	YES
4	4 13C8-PFOA	1701313-02 GPEOR-04-SB02-14.5-15 1	4.24e4	98.9	NO
5	5 13C9-PFNA	1701313-02 GPEOR-04-SB02-14.5-15 1	5.44e4	94.3	NO
6	6 13C4-PFOS	1701313-02 GPEOR-04-SB02-14.5-15 1	1.02e4	95.3	NO
7	7 13C6-PFDA	1701313-02 GPEOR-04-SB02-14.5-15 1	4.55e4	96.3	NO
8	8 13C7-PFUnA	1701313-02 GPEOR-04-SB02-14.5-15 1	4.73e4	83.6	NO

Name: 171003M2_83, Date: 04-Oct-2017, Time: 07:51:34, ID: 1701313-03 GPEOR-04-SB01-0.5-1 1, Description: GPEOR-04-SB01-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-03 GPEOR-04-SB01-0.5-1 1	3.52e4	227.8	YES
2	2 13C5-PFHxA	1701313-03 GPEOR-04-SB01-0.5-1 1	5.22e4	157.6	YES
3	3 13C3-PFHxS	1701313-03 GPEOR-04-SB01-0.5-1 1	8.48e3	148.7	NO
4	4 13C8-PFOA	1701313-03 GPEOR-04-SB01-0.5-1 1	4.15e4	97.0	NO
5	5 13C9-PFNA	1701313-03 GPEOR-04-SB01-0.5-1 1	5.25e4	91.0	NO
6	6 13C4-PFOS	1701313-03 GPEOR-04-SB01-0.5-1 1	9.69e3	90.8	NO
7	7 13C6-PFDA	1701313-03 GPEOR-04-SB01-0.5-1 1	4.40e4	93.2	NO
8	8 13C7-PFUnA	1701313-03 GPEOR-04-SB01-0.5-1 1	4.47e4	79.0	NO

Name: 171003M2_84, Date: 04-Oct-2017, Time: 08:02:13, ID: 1701313-04 GPEOR-04-SB01-6-7 1, Description: GPEOR-04-SB01-6-7

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-04 GPEOR-04-SB01-6-7 1	3.64e4	235.3	YES
2	2 13C5-PFHxA	1701313-04 GPEOR-04-SB01-6-7 1	5.34e4	161.1	YES
3	3 13C3-PFHxS	1701313-04 GPEOR-04-SB01-6-7 1	7.82e3	137.1	NO
4	4 13C8-PFOA	1701313-04 GPEOR-04-SB01-6-7 1	4.17e4	97.5	NO
5	5 13C9-PFNA	1701313-04 GPEOR-04-SB01-6-7 1	5.21e4	90.5	NO
6	6 13C4-PFOS	1701313-04 GPEOR-04-SB01-6-7 1	9.73e3	91.2	NO
7	7 13C6-PFDA	1701313-04 GPEOR-04-SB01-6-7 1	4.18e4	88.4	NO
8	8 13C7-PFUnA	1701313-04 GPEOR-04-SB01-6-7 1	5.24e4	92.7	NO

Name: 171003M2_85, Date: 04-Oct-2017, Time: 08:12:59, ID: 1701313-05 GPEOR-SO-DUP004-091917 1, Description: GPEOR-SO-DUP004-091917

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-05 GPEOR-SO-DUP004-0919...	3.48e4	224.6	YES
2	2 13C5-PFHxA	1701313-05 GPEOR-SO-DUP004-0919...	4.97e4	150.0	YES
3	3 13C3-PFHxS	1701313-05 GPEOR-SO-DUP004-0919...	8.70e3	152.6	YES
4	4 13C8-PFOA	1701313-05 GPEOR-SO-DUP004-0919...	3.84e4	89.6	NO
5	5 13C9-PFNA	1701313-05 GPEOR-SO-DUP004-0919...	4.99e4	86.5	NO
6	6 13C4-PFOS	1701313-05 GPEOR-SO-DUP004-0919...	8.83e3	82.8	NO
7	7 13C6-PFDA	1701313-05 GPEOR-SO-DUP004-0919...	3.75e4	79.4	NO
8	8 13C7-PFUnA	1701313-05 GPEOR-SO-DUP004-0919...	4.75e4	84.0	NO

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Name: 171003M2_86, Date: 04-Oct-2017, Time: 08:23:37, ID: 1701313-06 GPEOR-08-SB03-0.5-1 1, Description: GPEOR-08-SB03-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-06 GPEOR-08-SB03-0.5-1 1	3.59e4	231928.2	YES
2	2 13C5-PFHxA	1701313-06 GPEOR-08-SB03-0.5-1 1	5.01e4	151168.4	YES
3	3 13C3-PFHxS	1701313-06 GPEOR-08-SB03-0.5-1 1	7.40e3	129758.6	YES
4	4 13C8-PFOA	1701313-06 GPEOR-08-SB03-0.5-1 1	4.57e4	106627.9	YES
5	5 13C9-PFNA	1701313-06 GPEOR-08-SB03-0.5-1 1	4.54e4	78811.2	YES
6	6 13C4-PFOS	1701313-06 GPEOR-08-SB03-0.5-1 1	4.71e3	44173.5	YES
7	7 13C6-PFDA	1701313-06 GPEOR-08-SB03-0.5-1 1	3.93e4	83284.5	YES
8	8 13C7-PFUnA	1701313-06 GPEOR-08-SB03-0.5-1 1	4.45e4	78757.0	YES

Name: 171003M2_87, Date: 04-Oct-2017, Time: 08:35:34, ID: 1701313-07 GPEOR-08-SB03-14.5-15 1, Description: GPEOR-08-SB03-14.5-15

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-07 GPEOR-08-SB03-14.5-15 1	3.34e4	215.5	YES
2	2 13C5-PFHxA	1701313-07 GPEOR-08-SB03-14.5-15 1	4.83e4	145.8	NO
3	3 13C3-PFHxS	1701313-07 GPEOR-08-SB03-14.5-15 1	7.85e3	137.7	NO
4	4 13C8-PFOA	1701313-07 GPEOR-08-SB03-14.5-15 1	4.00e4	93.4	NO
5	5 13C9-PFNA	1701313-07 GPEOR-08-SB03-14.5-15 1	4.42e4	76.7	NO
6	6 13C4-PFOS	1701313-07 GPEOR-08-SB03-14.5-15 1	7.19e3	67.3	NO
7	7 13C6-PFDA	1701313-07 GPEOR-08-SB03-14.5-15 1	3.92e4	83.0	NO
8	8 13C7-PFUnA	1701313-07 GPEOR-08-SB03-14.5-15 1	4.62e4	81.7	NO

Name: 171003M2_88, Date: 04-Oct-2017, Time: 08:46:18, ID: 1701313-08 GPEOR-08-SB01-0.5-1 1, Description: GPEOR-08-SB01-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-08 GPEOR-08-SB01-0.5-1 1	3.30e4	213.6	YES
2	2 13C5-PFHxA	1701313-08 GPEOR-08-SB01-0.5-1 1	4.89e4	147.6	NO
3	3 13C3-PFHxS	1701313-08 GPEOR-08-SB01-0.5-1 1	7.45e3	130.5	NO
4	4 13C8-PFOA	1701313-08 GPEOR-08-SB01-0.5-1 1	4.19e4	97.9	NO
5	5 13C9-PFNA	1701313-08 GPEOR-08-SB01-0.5-1 1	5.08e4	88.2	NO
6	6 13C4-PFOS	1701313-08 GPEOR-08-SB01-0.5-1 1	7.47e3	70.0	NO
7	7 13C6-PFDA	1701313-08 GPEOR-08-SB01-0.5-1 1	4.07e4	86.2	NO
8	8 13C7-PFUnA	1701313-08 GPEOR-08-SB01-0.5-1 1	4.58e4	81.0	NO

Name: 171003M2_89, Date: 04-Oct-2017, Time: 08:57:04, ID: 1701313-09 GPEOR-08-SB01-14.5-15 1, Description: GPEOR-08-SB01-14.5-15

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-09 GPEOR-08-SB01-14.5-15 1	3.69e4	238.6	YES
2	2 13C5-PFHxA	1701313-09 GPEOR-08-SB01-14.5-15 1	5.25e4	158.3	YES
3	3 13C3-PFHxS	1701313-09 GPEOR-08-SB01-14.5-15 1	8.56e3	150.1	YES
4	4 13C8-PFOA	1701313-09 GPEOR-08-SB01-14.5-15 1	4.40e4	102.6	NO
5	5 13C9-PFNA	1701313-09 GPEOR-08-SB01-14.5-15 1	4.39e4	76.3	NO
6	6 13C4-PFOS	1701313-09 GPEOR-08-SB01-14.5-15 1	8.57e3	80.3	NO
7	7 13C6-PFDA	1701313-09 GPEOR-08-SB01-14.5-15 1	4.73e4	100.1	NO
8	8 13C7-PFUnA	1701313-09 GPEOR-08-SB01-14.5-15 1	5.40e4	95.5	NO

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Name: 171003M2_90, Date: 04-Oct-2017, Time: 09:07:43, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	1.15e1	0.1	NO
2	2 13C5-PFHxA	IPA	5.96e0	0.0	NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_91, Date: 04-Oct-2017, Time: 09:18:21, ID: ST171003M2-6 PFC CS3 1712915, Description: PFC CS3 1712915

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171003M2-6 PFC CS3 1712915	1.62e4	104.6	NO
2	2 13C5-PFHxA	ST171003M2-6 PFC CS3 1712915	3.36e4	101.5	NO
3	3 13C3-PFHxS	ST171003M2-6 PFC CS3 1712915	6.36e3	111.6	NO
4	4 13C8-PFOA	ST171003M2-6 PFC CS3 1712915	5.19e4	121.2	NO
5	5 13C9-PFNA	ST171003M2-6 PFC CS3 1712915	6.63e4	115.0	NO
6	6 13C4-PFOS	ST171003M2-6 PFC CS3 1712915	1.20e4	112.3	NO
7	7 13C6-PFDA	ST171003M2-6 PFC CS3 1712915	4.85e4	102.7	NO
8	8 13C7-PFUnA	ST171003M2-6 PFC CS3 1712915	5.63e4	99.6	NO

Name: 171003M2_92, Date: 04-Oct-2017, Time: 09:29:10, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	6.10e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171003M2_93, Date: 04-Oct-2017, Time: 09:39:55, ID: RS V3 TEST B, Description: RS V3 TEST B

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	RS V3 TEST B	7.94e4	512.9	NO
2	2 13C5-PFHxA	RS V3 TEST B	1.79e5	539.8	NO
3	3 13C3-PFHxS	RS V3 TEST B	4.04e4	708.4	NO
4	4 13C8-PFOA	RS V3 TEST B	2.18e5	508.1	NO
5	5 13C9-PFNA	RS V3 TEST B	2.30e5	399.3	NO
6	6 13C4-PFOS	RS V3 TEST B	4.57e4	428.0	NO
7	7 13C6-PFDA	RS V3 TEST B	2.06e5	437.1	NO
8	8 13C7-PFUnA	RS V3 TEST B	2.22e5	392.2	NO

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Name: 171003M2_94, Date: 04-Oct-2017, Time: 09:50:40, ID: CIL 13C8 PFOA TESTER, Description: CIL 13C8 PFOA TESTER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	CIL 13C8 PFOA TESTER	7.25e0	0.0	NO
2	2 13C5-PFHxA	CIL 13C8 PFOA TESTER			NO
3	3 13C3-PFHxS	CIL 13C8 PFOA TESTER			NO
4	4 13C8-PFOA	CIL 13C8 PFOA TESTER	1.46e6	3400.5	NO
5	5 13C9-PFNA	CIL 13C8 PFOA TESTER	1.04e3	1.8	NO
6	6 13C4-PFOS	CIL 13C8 PFOA TESTER			NO
7	7 13C6-PFDA	CIL 13C8 PFOA TESTER	1.41e1	0.0	NO
8	8 13C7-PFUnA	CIL 13C8 PFOA TESTER	1.10e1	0.0	NO

Name: 171003M2_95, Date: 04-Oct-2017, Time: 10:01:27, ID: WELL 13C8 PFOA TESTER, Description: WELL 13C8 PFOA TESTER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	WELL 13C8 PFOA TESTER	9.02e0	0.1	NO
2	2 13C5-PFHxA	WELL 13C8 PFOA TESTER	2.53e2	0.8	NO
3	3 13C3-PFHxS	WELL 13C8 PFOA TESTER	1.50e1	0.3	NO
4	4 13C8-PFOA	WELL 13C8 PFOA TESTER	1.61e6	3750.1	NO
5	5 13C9-PFNA	WELL 13C8 PFOA TESTER	1.76e2	0.3	NO
6	6 13C4-PFOS	WELL 13C8 PFOA TESTER	3.34e1	0.3	NO
7	7 13C6-PFDA	WELL 13C8 PFOA TESTER	1.84e2	0.4	NO
8	8 13C7-PFUnA	WELL 13C8 PFOA TESTER	1.68e2	0.3	NO

Name: 171003M2_96, Date: 04-Oct-2017, Time: 10:12:06, ID: LCMS MEOH QC LOT D582, Description: LCMS MEOH QC LOT D582

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	LCMS MEOH QC LOT D582	1.14e1	0.1	NO
2	2 13C5-PFHxA	LCMS MEOH QC LOT D582	1.01e1	0.0	NO
3	3 13C3-PFHxS	LCMS MEOH QC LOT D582			NO
4	4 13C8-PFOA	LCMS MEOH QC LOT D582			NO
5	5 13C9-PFNA	LCMS MEOH QC LOT D582			NO
6	6 13C4-PFOS	LCMS MEOH QC LOT D582			NO
7	7 13C6-PFDA	LCMS MEOH QC LOT D582			NO
8	8 13C7-PFUnA	LCMS MEOH QC LOT D582			NO

Name: 171003M2_97, Date: 04-Oct-2017, Time: 10:22:54, ID: IPA, Description: IPA

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

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time
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Name: 171003M2_98, Date: 04-Oct-2017, Time: 10:33:54, ID: 1701313-10 GPEOR-08-SB02-0.5-1 1, Description: GPEOR-08-SB02-0.5-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-10 GPEOR-08-SB02-0.5-1 1	3.39e4	219.2	YES
2	2 13C5-PFHxA	1701313-10 GPEOR-08-SB02-0.5-1 1	5.22e4	157.6	YES
3	3 13C3-PFHxS	1701313-10 GPEOR-08-SB02-0.5-1 1	8.80e3	154.3	YES
4	4 13C8-PFOA	1701313-10 GPEOR-08-SB02-0.5-1 1	4.11e4	95.9	NO
5	5 13C9-PFNA	1701313-10 GPEOR-08-SB02-0.5-1 1	5.28e4	91.6	NO
6	6 13C4-PFOS	1701313-10 GPEOR-08-SB02-0.5-1 1	9.00e3	84.3	NO
7	7 13C6-PFDA	1701313-10 GPEOR-08-SB02-0.5-1 1	4.16e4	88.0	NO
8	8 13C7-PFUnA	1701313-10 GPEOR-08-SB02-0.5-1 1	4.30e4	76.2	NO

Name: 171003M2_99, Date: 04-Oct-2017, Time: 10:44:47, ID: 1701313-11 GPEOR-08-SB02-14.5-15 1, Description: GPEOR-08-SB02-14.5-15

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-11 GPEOR-08-SB02-14.5-15 1	4.04e4	261.4	YES
2	2 13C5-PFHxA	1701313-11 GPEOR-08-SB02-14.5-15 1	5.58e4	168.3	YES
3	3 13C3-PFHxS	1701313-11 GPEOR-08-SB02-14.5-15 1	8.57e3	150.2	YES
4	4 13C8-PFOA	1701313-11 GPEOR-08-SB02-14.5-15 1	4.34e4	101.4	NO
5	5 13C9-PFNA	1701313-11 GPEOR-08-SB02-14.5-15 1	5.20e4	90.2	NO
6	6 13C4-PFOS	1701313-11 GPEOR-08-SB02-14.5-15 1	9.86e3	92.4	NO
7	7 13C6-PFDA	1701313-11 GPEOR-08-SB02-14.5-15 1	4.46e4	94.3	NO
8	8 13C7-PFUnA	1701313-11 GPEOR-08-SB02-14.5-15 1	5.10e4	90.2	NO

Name: 171003M2_100, Date: 04-Oct-2017, Time: 10:55:43, ID: 1701313-12 GPEOR-01-SB02-1-1.5 1, Description: GPEOR-01-SB02-1-1.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701313-12 GPEOR-01-SB02-1-1.5 1	3.74e4	241.8	YES
2	2 13C5-PFHxA	1701313-12 GPEOR-01-SB02-1-1.5 1	5.39e4	162.6	YES
3	3 13C3-PFHxS	1701313-12 GPEOR-01-SB02-1-1.5 1	8.74e3	153.2	YES
4	4 13C8-PFOA	1701313-12 GPEOR-01-SB02-1-1.5 1	4.17e4	97.3	NO
5	5 13C9-PFNA	1701313-12 GPEOR-01-SB02-1-1.5 1	4.94e4	85.7	NO
6	6 13C4-PFOS	1701313-12 GPEOR-01-SB02-1-1.5 1	8.99e3	84.2	NO
7	7 13C6-PFDA	1701313-12 GPEOR-01-SB02-1-1.5 1	4.41e4	93.4	NO
8	8 13C7-PFUnA	1701313-12 GPEOR-01-SB02-1-1.5 1	4.83e4	85.5	NO

Name: 171003M2_101, Date: 04-Oct-2017, Time: 11:06:38, ID: 1701299-01RE1 Air Force Beach Foam 0.00108, Description: Air Force Beach Foam

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701299-01RE1 Air Force Beach Foam ...	3.06e4	197882.0	YES
2	2 13C5-PFHxA	1701299-01RE1 Air Force Beach Foam ...	3.88e4	117113.5	YES
3	3 13C3-PFHxS	1701299-01RE1 Air Force Beach Foam ...	7.41e3	129896.9	YES
4	4 13C8-PFOA	1701299-01RE1 Air Force Beach Foam ...	3.50e4	81690.4	YES
5	5 13C9-PFNA	1701299-01RE1 Air Force Beach Foam ...	3.64e4	63159.4	YES
6	6 13C4-PFOS	1701299-01RE1 Air Force Beach Foam ...	6.24e3	58513.0	YES
7	7 13C6-PFDA	1701299-01RE1 Air Force Beach Foam ...	3.35e4	70814.8	YES
8	8 13C7-PFUnA	1701299-01RE1 Air Force Beach Foam ...	4.08e4	72244.0	YES

Dataset: Untitled

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Name: 171003M2_102, Date: 04-Oct-2017, Time: 11:18:22, ID: IPA, Description: IPA

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

Name: 171003M2_103, Date: 04-Oct-2017, Time: 11:29:17, ID: ST171003M2-7 PFC CS3 17I2915, Description: PFC CS3 17I2915

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171003M2-7 PFC CS3 17I2915	1.71e4	110.7	NO
2	2	13C5-PFHxA	ST171003M2-7 PFC CS3 17I2915	3.64e4	109.9	NO
3	3	13C3-PFHxS	ST171003M2-7 PFC CS3 17I2915	6.78e3	118.8	NO
4	4	13C8-PFOA	ST171003M2-7 PFC CS3 17I2915	4.99e4	116.5	NO
5	5	13C9-PFNA	ST171003M2-7 PFC CS3 17I2915	6.96e4	120.9	NO
6	6	13C4-PFOS	ST171003M2-7 PFC CS3 17I2915	1.25e4	116.7	NO
7	7	13C6-PFDA	ST171003M2-7 PFC CS3 17I2915	5.76e4	121.9	NO
8	8	13C7-PFUnA	ST171003M2-7 PFC CS3 17I2915	6.19e4	109.6	NO

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Last Altered: Wednesday, October 04, 2017 08:52:41 Pacific Daylight Time

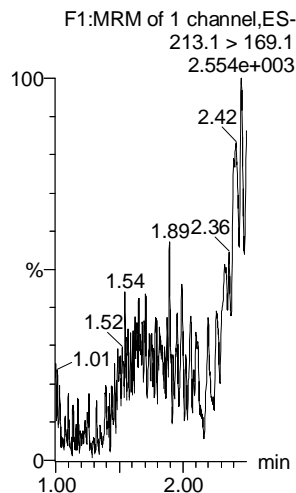
Printed: Wednesday, October 04, 2017 08:53:07 Pacific Daylight Time

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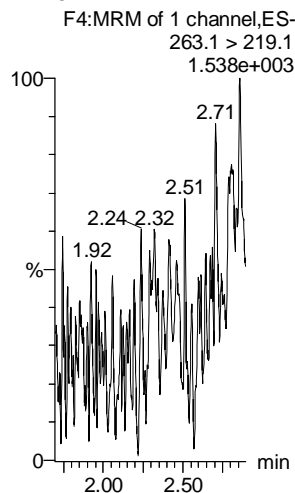
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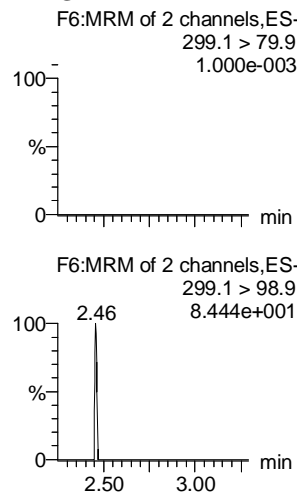
PFBA



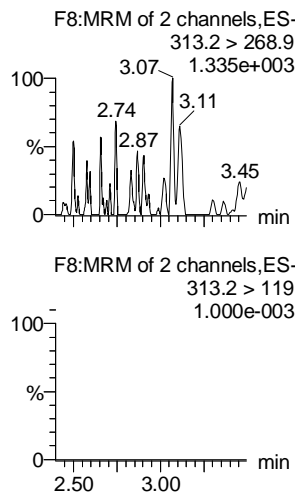
PFPeA



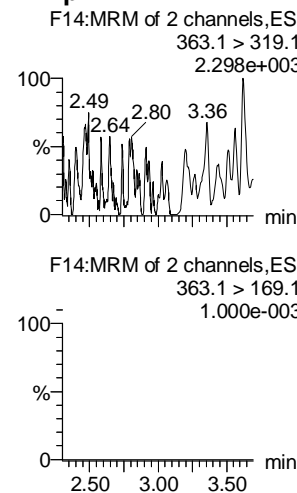
PFBS



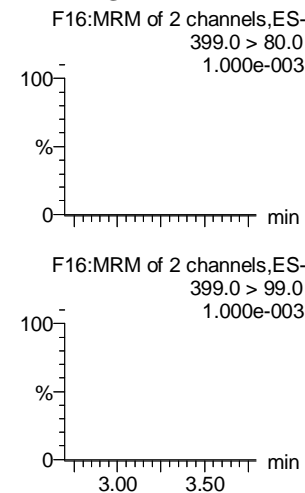
PFHxA



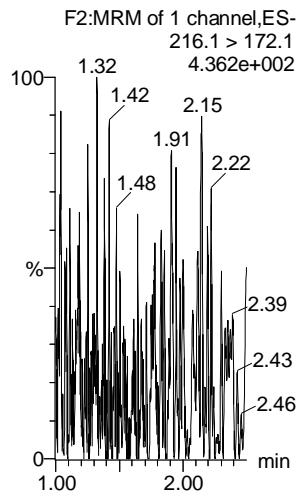
PFHpA



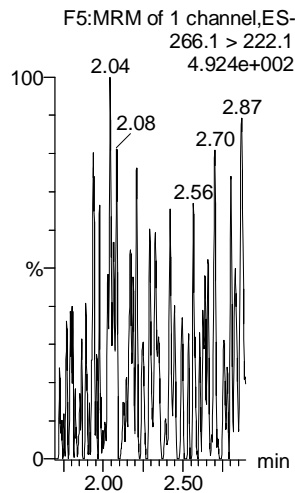
L-PFHxS



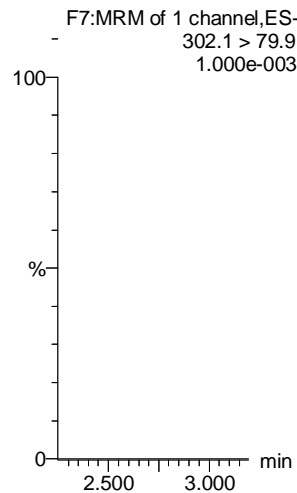
13C3-PFBA



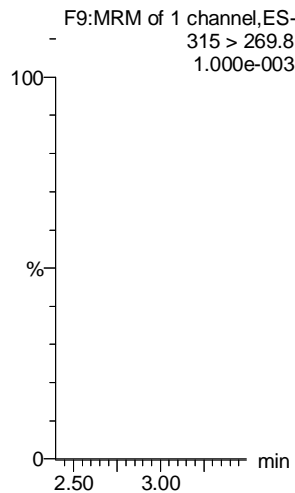
13C3-PFPeA



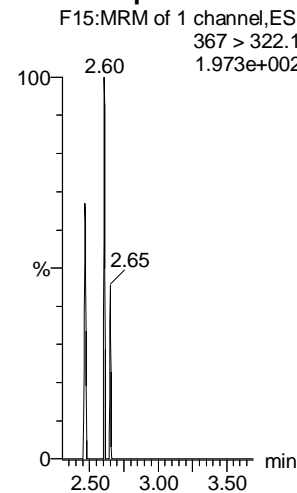
13C3-PFBS



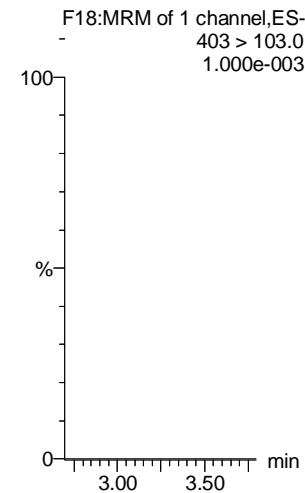
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-3.qld

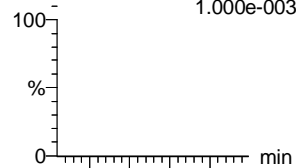
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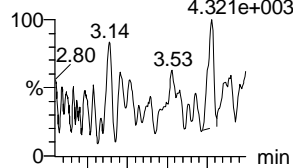
6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407
1.000e-003



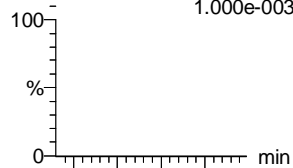
L-PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
4.321e+003



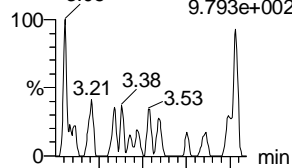
PFHpS

F24:MRM of 2 channels,ES-
449 > 79.9
1.000e-003



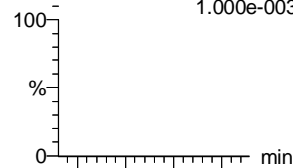
PFNA

F25:MRM of 2 channels,ES-
463.1 > 419.1
9.793e+002



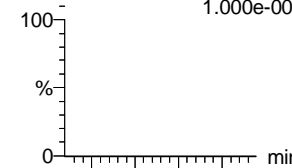
PFOSA

F28:MRM of 4 channels,ES-
498.1 > 77.8
1.000e-003

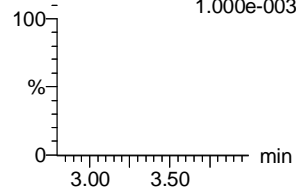


L-PFOS

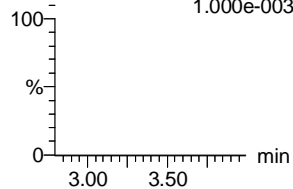
F30:MRM of 2 channels,ES-
499 > 79.9
1.000e-003



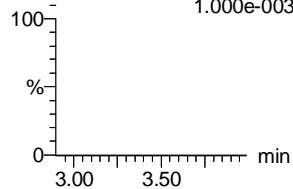
F22:MRM of 2 channels,ES-
427.1 > 80
1.000e-003



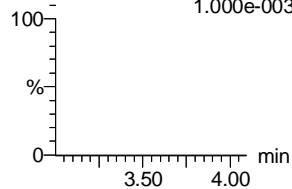
F19:MRM of 2 channels,ES-
413 > 169
1.000e-003



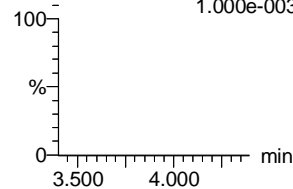
F24:MRM of 2 channels,ES-
449 > 99
1.000e-003



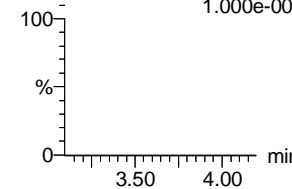
F25:MRM of 2 channels,ES-
463.1 > 219.1
1.000e-003



F28:MRM of 4 channels,ES-
498.1 > 478
1.000e-003

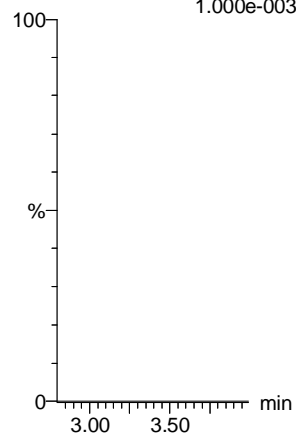


F30:MRM of 2 channels,ES-
499 > 99
1.000e-003



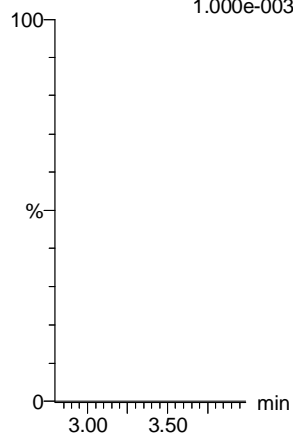
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9
1.000e-003



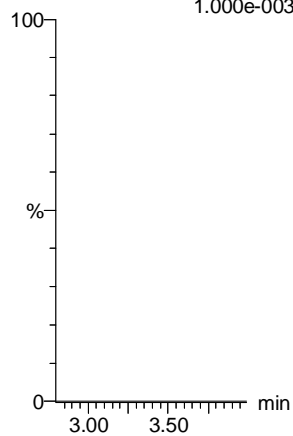
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.000e-003



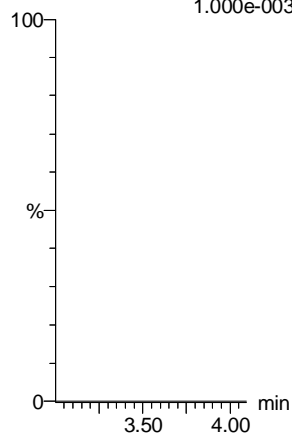
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.000e-003



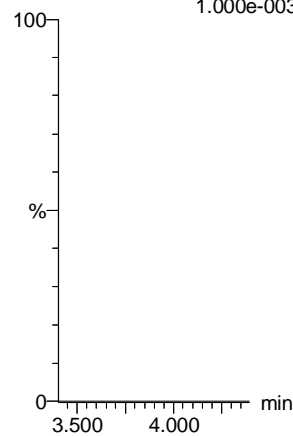
13C5-PFNA

F26:MRM of 1 channel,ES-
468.1 > 423.1
1.000e-003



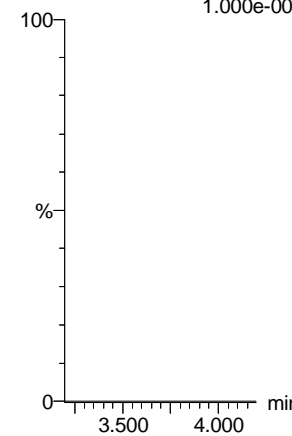
13C8-PFOSA

F32:MRM of 1 channel,ES-
506.1 > 78.0
1.000e-003



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
1.000e-003



Dataset: U:\Q4.PRO\results\171003M2\171003M2-3.qld

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Name: 171003M2_3, Date: 03-Oct-2017, Time: 17:31:04, ID: IPA, Description: IPA

PFDA

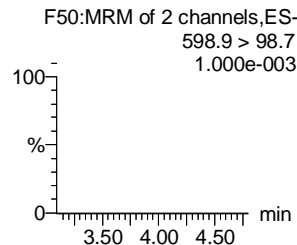
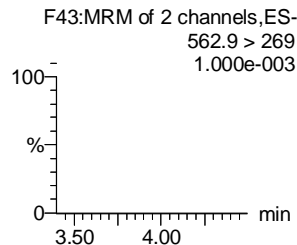
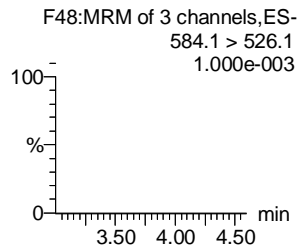
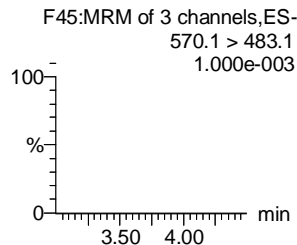
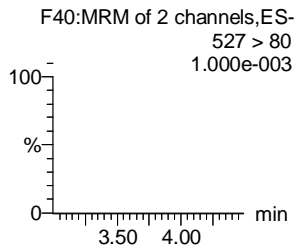
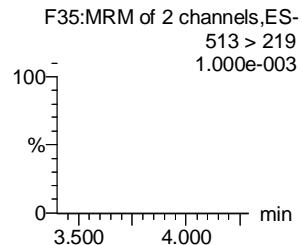
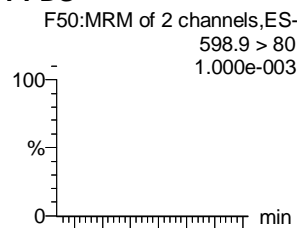
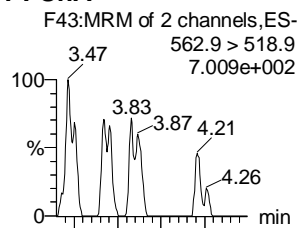
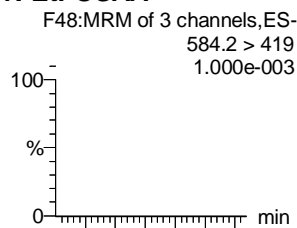
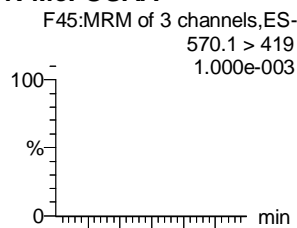
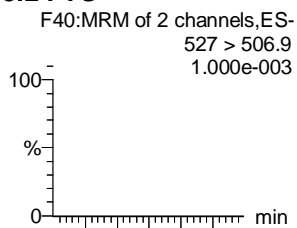
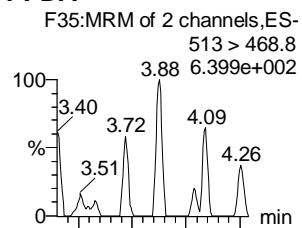
8:2 FTS

N-MeFOSAA

N-EtFOSAA

PFUnA

PFDS



13C2-PFDA

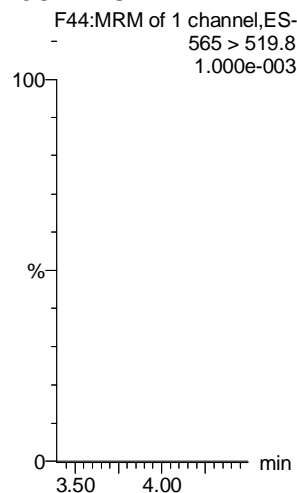
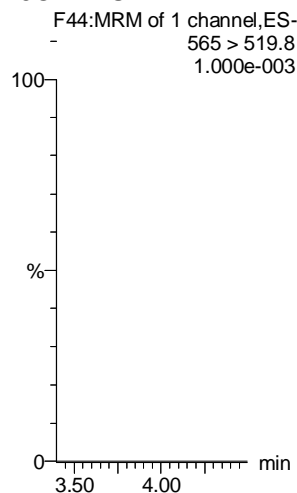
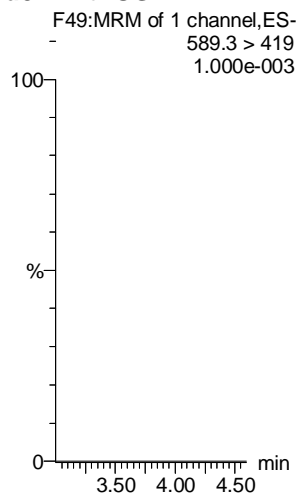
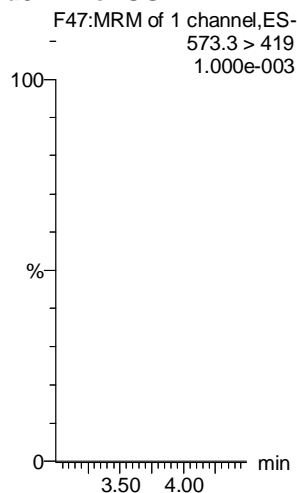
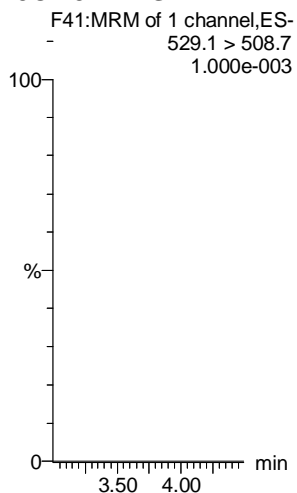
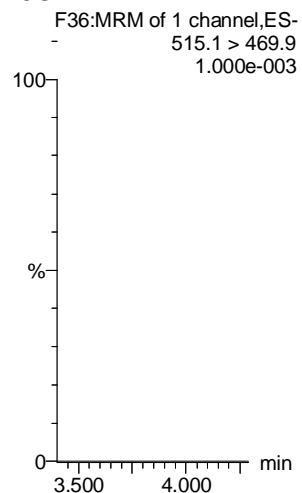
13C2-8:2 FTS

d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUnA

13C2-PFUnA



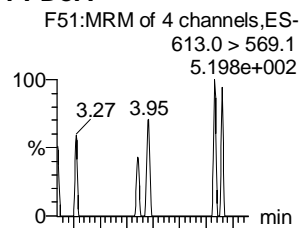
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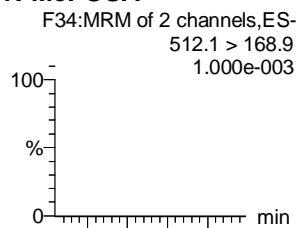
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Name: 171003M2_3, Date: 03-Oct-2017, Time: 17:31:04, ID: IPA, Description: IPA

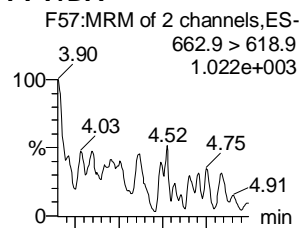
PFD_oA



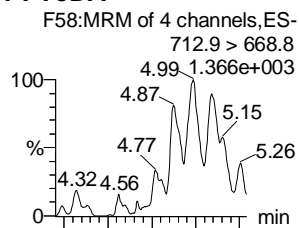
N-MeFOSA



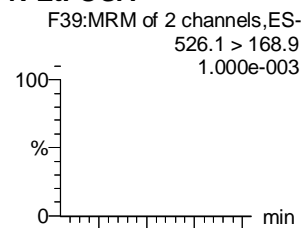
PFT_rDA



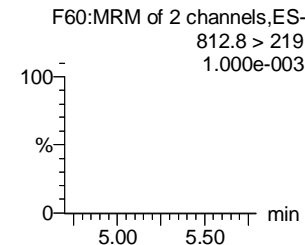
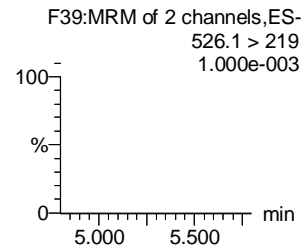
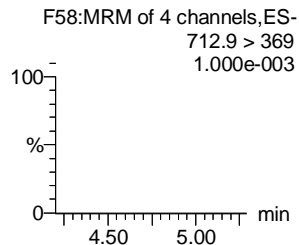
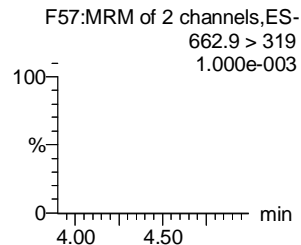
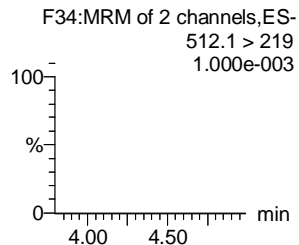
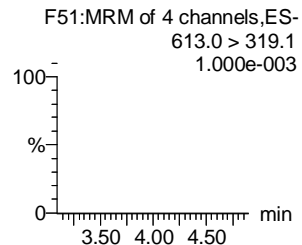
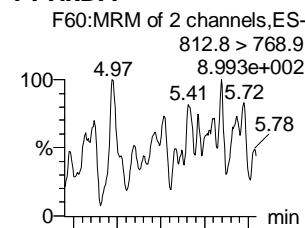
PFT_eDA



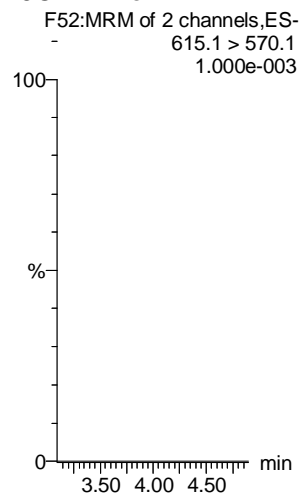
N-EtFOSA



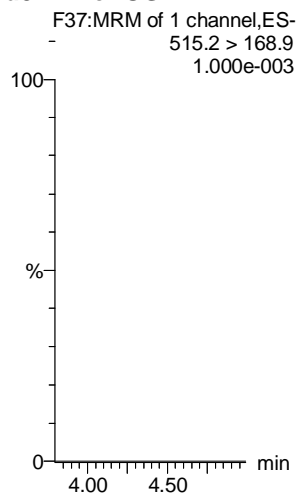
PFH_xDA



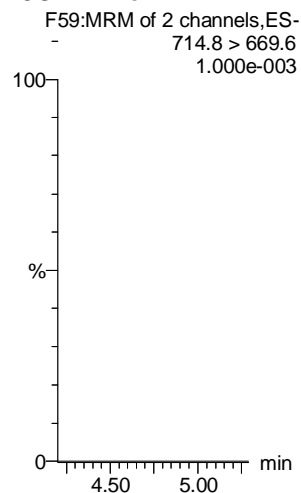
13C2-PFD_oA



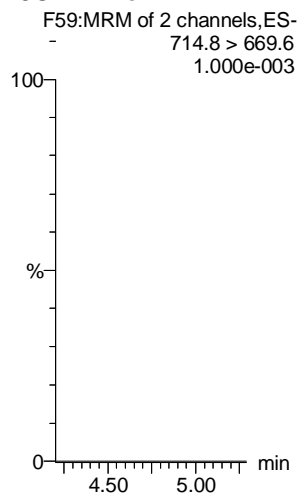
d3-N-MeFOSA



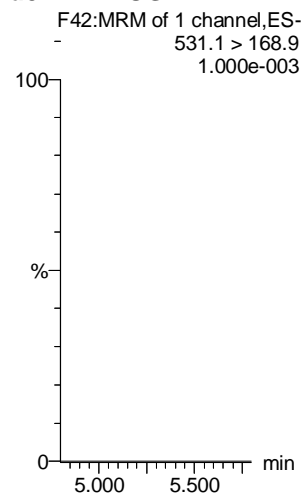
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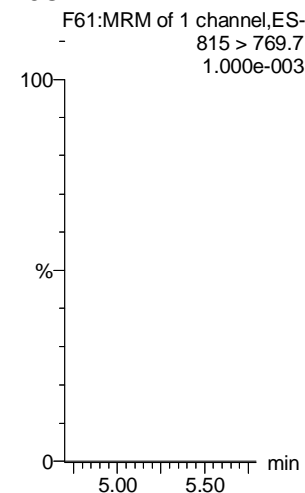
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d5-N-ETFOSA



13C2-PFH_xDA



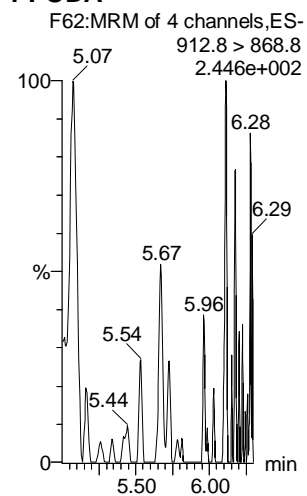
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Last Altered: Wednesday, October 04, 2017 08:52:41 Pacific Daylight Time

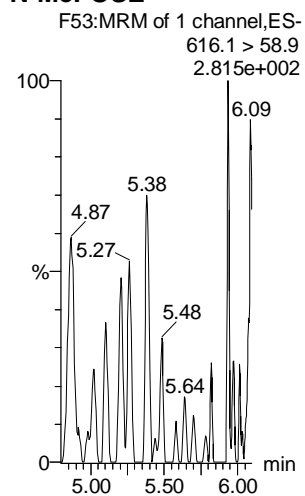
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Name: 171003M2_3, Date: 03-Oct-2017, Time: 17:31:04, ID: IPA, Description: IPA

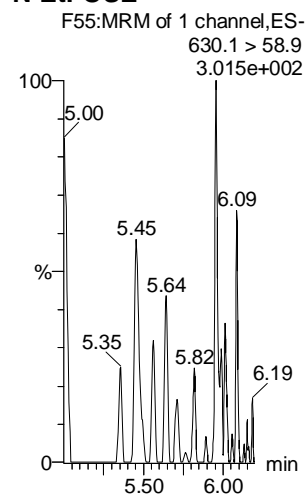
PFODA



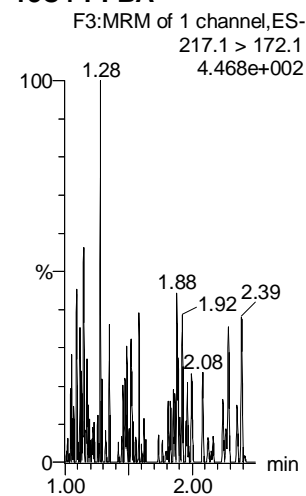
N-MeFOSE



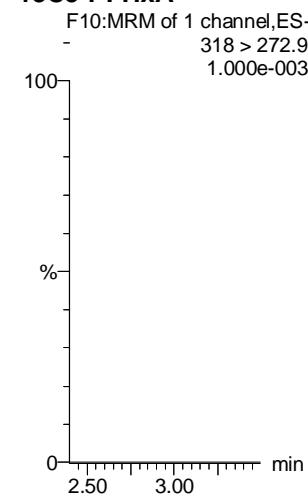
N-EtFOSE



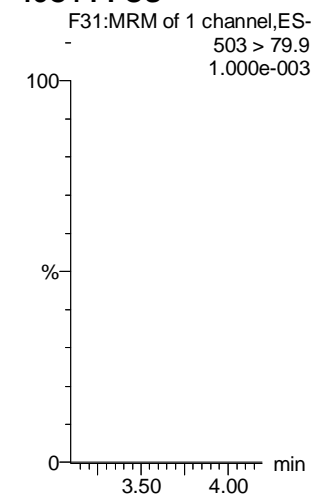
13C4-PFBA



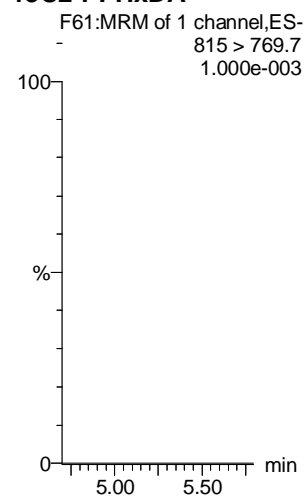
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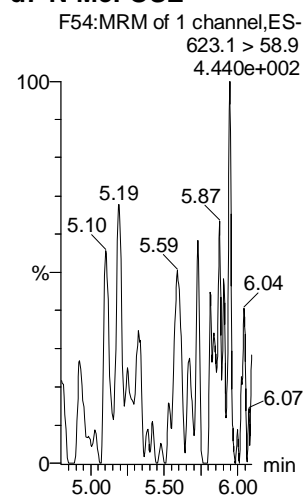
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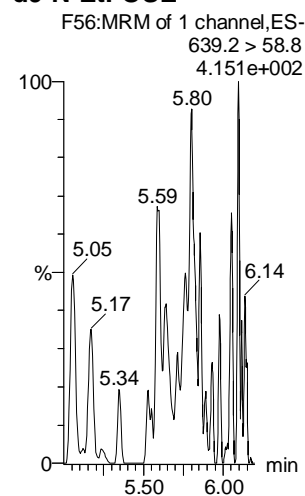
13C2-PFHxDA



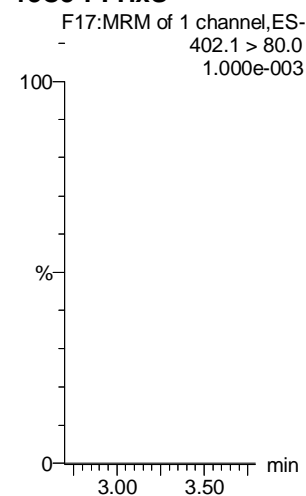
d7-N-MeFOSE



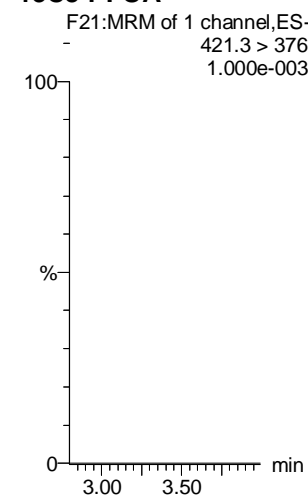
d9-N-EtFOSE



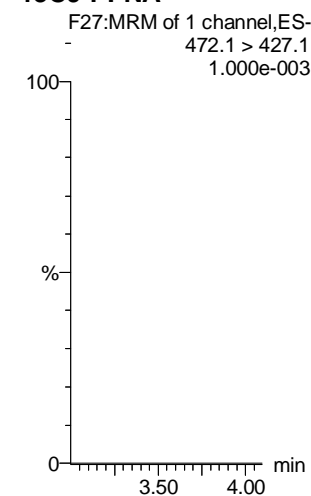
13C3-PFHxS



13C8-PFOA



13C9-PFNA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-3.qld

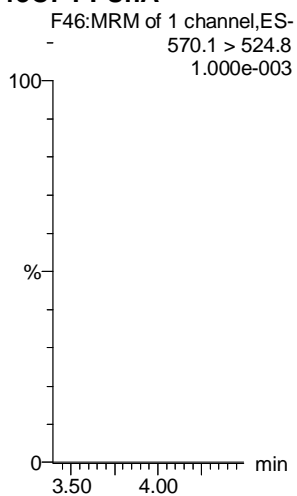
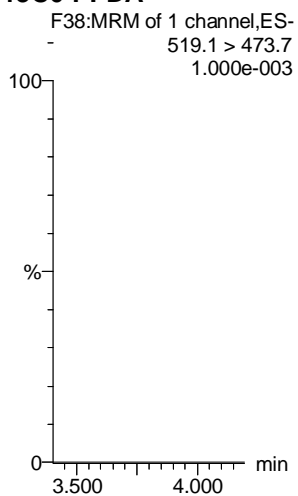
Last Altered: Wednesday, October 04, 2017 08:52:41 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:53:07 Pacific Daylight Time

Name: 171003M2_3, Date: 03-Oct-2017, Time: 17:31:04, ID: IPA, Description: IPA

13C6-PFDA

13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:37:37 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 07:40:01 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_2, Date: 03-Oct-2017, Time: 17:20:26, ID: ST171003M2-1 PFC CS0 1712912, Description: PFC CS0 1712912

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.1 > 169.1	1.29e3	1.35e4		1.39	1.42	1.19	1.02	102.0
2	2 PFPeA	263.1 > 219.1	2.14e3	2.39e4		2.46	2.65	1.12	1.02	101.9
3	3 PFBS	299.1 > 79.9	3.60e2	5.26e3		2.88	2.88	0.856	0.800	80.0
4	4 PFHxA	313.2 > 268.9	3.90e3	9.53e3		3.04	3.15	2.05	1.23	122.7
5	5 PFHpA	363.1 > 319.1	4.42e3	4.79e4		3.33	3.44	1.15	1.07	106.6
6	6 L-PFHxS	399.0 > 80.0	5.05e2	2.94e3		3.41	3.53	2.15	0.876	87.6
7	8 6:2 FTS	427.1 > 407	3.71e2	5.52e3		3.54	3.66	0.840	0.702	70.2
8	9 L-PFOA	413 > 368.7	4.97e3	4.71e4		3.54	3.66	1.32	0.958	95.8
9	11 PFHpS	449 > 79.9	7.20e2	4.71e4		3.60	3.73	0.191	0.979	97.9
10	12 PFNA	463.1 > 419.1	5.06e3	4.61e4		3.72	3.86	1.37	1.13	112.5
11	13 PFOSA	498.1 > 77.8	5.61e2	5.67e3		3.87	3.87	1.24	1.19	119.2
12	14 L-PFOS	499 > 79.9	8.52e2	1.06e4		3.77	3.92	1.00	0.817	81.7
13	16 PFDA	513 > 468.8	5.83e3	4.18e4		3.89	4.05	1.74	1.17	117.5
14	17 8:2 FTS	527 > 506.9	4.04e2	3.83e3		4.05	4.04	1.32	0.818	81.8
15	18 N-MeFOSAA	570.1 > 419	9.85e2	9.54e3		3.92	4.08	16.8	0.867	86.7
16	19 N-EtFOSAA	584.2 > 419	1.16e3	1.02e4		3.99	4.16	18.6	1.22	122.5
17	20 PFUnA	562.9 > 518.9	4.05e3	5.47e4		4.04	4.23	0.927	0.858	85.8
18	21 PFDS	598.9 > 80	1.02e3	5.47e4		4.08	4.28	0.233	0.899	89.9
19	22 PFDoA	613.0 > 569.1	5.39e3	5.85e4		4.45	4.41	1.15	1.04	103.8
20	23 N-MeFOSA	512.1 > 168.9	1.11e3	2.81e4		4.50	4.51	5.92	4.81	96.2
21	24 PFTTrDA	662.9 > 618.9	6.30e3	5.85e4		4.66	4.61	1.35	0.848	84.8
22	25 PFTeDA	712.9 > 668.8	4.13e3	4.12e4		4.88	4.82	1.26	0.916	91.6
23	26 N-EtFOSA	526.1 > 168.9	1.42e3	4.17e4		5.18	5.15	5.12	5.16	103.2
24	27 PFHxDA	812.8 > 768.9	6.99e3	2.01e4		5.32	5.25	1.74	1.02	102.3
25	28 PFODA	912.8 > 868.8	7.64e3	2.01e4		5.75	5.66	1.90	1.01	101.3
26	29 N-MeFOSE	616.1 > 58.9	2.05e3	5.65e4		5.43	5.61	5.45	4.97	99.5
27	30 N-EtFOSE	630.1 > 58.9	2.37e3	5.68e4		5.60	5.80	6.24	5.07	101.5
28	31 13C3-PFBA	216.1 > 172.1	1.35e4	1.55e4	0.878	1.42	1.42	10.9	12.5	99.6
29	32 13C3-PFPeA	266.1 > 222.1	2.39e4	3.28e4	0.231	2.46	2.65	3.64	15.7	125.9
30	33 13C3-PFBS	302.1 > 79.9	5.26e3	3.28e4	0.051	2.88	2.88	0.800	15.8	126.3
31	Work Order 171003M2	315 > 269.8	9.53e3	3.28e4	0.275	3.04	3.15	1.45	5.28	105.7

70-130
↓
50-150
↓

DM
19/4/17
JHA
10/05/2017

Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:37:37 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 07:40:01 Pacific Daylight Time

Name: 171003M2_2, Date: 03-Oct-2017, Time: 17:20:26, ID: ST171003M2-1 PFC CS0 1712912, Description: PFC CS0 1712912

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367 > 322.1	4.79e4	3.28e4	0.558	3.33	3.44	7.28	13.1	104.4
33	36 18O2-PFHxS	403 > 103.0	2.94e3	5.70e3	0.490	3.41	3.52	6.43	13.1	105.1
34	37 13C2-6:2 FTS	429.1 > 408.9	5.52e3	4.28e4	0.146	3.54	3.64	1.61	11.0	88.2
35	38 13C2-PFOA	414.9 > 369.7	4.71e4	4.28e4	1.152	3.54	3.66	13.8	11.9	95.5
36	39 13C5-PFNA	468.1 > 423.1	4.61e4	5.76e4	0.857	3.72	3.86	10.0	11.7	93.4
37	40 13C8-PFOSA	506.1 > 78.0	5.67e3	5.65e4	0.136	3.87	3.87	1.25	9.19	73.6
38	41 13C8-PFOS	507 > 79.9	1.06e4	1.07e4	0.990	3.77	3.92	12.4	12.6	100.6
39	42 13C2-PFDA	515.1 > 469.9	4.18e4	4.68e4	0.882	3.89	4.05	11.2	12.7	101.4
40	43 13C2-8:2 FTS	529.1 > 508.7	3.83e3	4.68e4	0.105	4.05	4.04	1.03	9.80	78.4
41	44 d3-N-MeFOSAA	573.3 > 419	9.54e3	5.65e4	0.015	3.92	4.08	2.11	145	89.1
42	45 d5-N-EtFOSAA	589.3 > 419	1.02e4	5.65e4	0.015	3.99	4.15	2.26	147	90.7
43	46 13C2-PFUnA	565 > 519.8	5.47e4	5.65e4	0.943	4.04	4.23	12.1	12.8	102.6
44	47 13C2-PFDoA	615.1 > 570.1	5.85e4	5.65e4	0.951	4.45	4.41	12.9	13.6	108.8
45	48 d3-N-MeFOSA	515.2 > 168.9	2.81e4	5.65e4	0.051	4.50	4.55	6.20	121	80.4
46	49 13C2-PFTeDA	714.8 > 669.6	4.12e4	5.65e4	0.728	4.88	4.82	9.10	12.5	100.1
47	50 d5-N-ETFOSA	531.1 > 168.9	4.17e4	5.65e4	0.080	5.18	5.20	9.22	115	76.8
48	51 13C2-PFHxDA	815 > 769.7	2.01e4	5.65e4	0.918	5.32	5.25	4.44	4.84	96.9
49	52 d7-N-MeFOSE	623.1 > 58.9	5.65e4	5.65e4	0.111	5.43	5.60	12.5	113	75.3
50	53 d9-N-EtFOSE	639.2 > 58.8	5.68e4	5.65e4	0.113	5.60	5.79	12.6	111	74.1
51	54 13C4-PFBA	217.1 > 172.1	1.55e4	1.55e4	1.000	1.27	1.42	12.5	12.5	100.0
52	55 13C5-PFHxA	318 > 272.9	3.28e4	3.28e4	1.000	3.04	3.15	5.00	5.00	100.0
53	56 13C3-PFHxS	402.1 > 80.0	5.70e3	5.70e3	1.000	3.41	3.52	12.5	12.5	100.0
54	57 13C8-PFOA	421.3 > 376	4.28e4	4.28e4	1.000	3.54	3.66	12.5	12.5	100.0
55	58 13C9-PFNA	472.1 > 427.1	5.76e4	5.76e4	1.000	3.72	3.86	12.5	12.5	100.0
56	59 13C4-PFOS	503 > 79.9	1.07e4	1.07e4	1.000	3.77	3.92	12.5	12.5	100.0
57	60 13C6-PFDA	519.1 > 473.7	4.68e4	4.68e4	1.000	3.89	4.05	12.5	12.5	100.0
58	61 13C7-PFUnA	570.1 > 524.8	5.65e4	5.65e4	1.000	4.04	4.23	12.5	12.5	100.0

SD-ISO



Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-9-29-17.mdb 29 Sep 2017 13:29:20

Calibration: 04 Oct 2017 15:15:24 C:\Q4 - VAL - PFAS - 04 - 10 - 02 - 17 - Full

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
1	171003M2_2	ST171003M2-1 PFC CS0 17I2912	03-Oct-17	17:20:26
2	171003M2_3	IPA	03-Oct-17	17:31:04
3	171003M2_4	SYRINGE TESTER	03-Oct-17	17:41:54
4	171003M2_5	IPA	03-Oct-17	17:52:38
5	171003M2_6	B7I0162-BLK1 Method Blank 1	03-Oct-17	18:03:24
6	171003M2_7	B7I0162-MS1 Matrix Spike 1	03-Oct-17	18:14:02
7	171003M2_8	B7I0162-MSD1 Matrix Spike Dup 1	03-Oct-17	18:24:49
8	171003M2_9	B7J0001-MS1 Matrix Spike 0.125	03-Oct-17	18:35:35
9	171003M2_10	B7J0001-MSD1 Matrix Spike Dup 0.125	03-Oct-17	18:46:14
10	171003M2_11	B7J0001-MS2 Matrix Spike 0.125	03-Oct-17	18:57:00
11	171003M2_12	B7J0001-MSD2 Matrix Spike Dup 0.125	03-Oct-17	19:07:49
12	171003M2_13	1701312-01 GPEOR-05-SB01-0.5-1 1	03-Oct-17	19:18:33
13	171003M2_14	1701312-02 GPEOR-05-SB01-12.5-13 1	03-Oct-17	19:29:12
14	171003M2_15	1701312-03 GPEOR-05-SB02-0.5-1 1	03-Oct-17	19:39:58
15	171003M2_16	1701312-04 GPEOR-05-SB02-4.5-5 1	03-Oct-17	19:50:44
16	171003M2_17	1701312-05 GPEOR-05-SB03-0.5-1 1	03-Oct-17	20:01:31
17	171003M2_18	1701312-07 GPEOR-07-SB03-1-1.5 1	03-Oct-17	20:12:11
18	171003M2_19	1701312-08 GPEOR-07-SB03-14.5-15 1	03-Oct-17	20:22:56
19	171003M2_20	1701312-09 GPEOR-07-SB01-1-1.5 1	03-Oct-17	20:33:34
20	171003M2_21	1701312-10 GPEOR-07-SB01-11.5-12 1	03-Oct-17	20:44:13
21	171003M2_22	1701312-11 GPEOR-07-SB02-1.5-2 1	03-Oct-17	20:54:59
22	171003M2_23	IPA	03-Oct-17	21:05:38
23	171003M2_24	ST171003M2-2 PFC CS3 17I2915	03-Oct-17	21:16:24
24	171003M2_25	IPA	03-Oct-17	21:27:11
25	171003M2_26	1701316-01 GPEOR-SO-DUP001-092017 1	03-Oct-17	21:37:57
26	171003M2_27	1701316-02 GPEOR-SO-DUP002-092017 1	03-Oct-17	21:48:43
27	171003M2_28	1701316-03 GPEOR-SO-DUP005-092017 1	03-Oct-17	21:59:22
28	171003M2_29	1701316-08 GPEOR-06-SB02-0.5-1 1	03-Oct-17	22:10:08
29	171003M2_30	1701316-10 GPEOR-06-SB02-9.5-10 1	03-Oct-17	22:20:55
30	171003M2_31	1701316-11 GPEOR-06-SB03-0.5-1 1	03-Oct-17	22:31:41
31	171003M2_32	1701316-12 GPEOR-06-SB03-6.5-7 1	03-Oct-17	22:42:28
32	171003M2_33	1701342-01 JFOSS-10-SW01-092517 0.125	03-Oct-17	22:53:14

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171003M2_34	1701342-02 JFOSS-11-SW01-092517 0.125	03-Oct-17	23:04:01
34	171003M2_35	1701342-03 JFOSS-12-SW01-092517 0.125	03-Oct-17	23:14:47
35	171003M2_36	IPA	03-Oct-17	23:25:26
36	171003M2_37	ST171003M2-3 PFC CS3 17I2915	03-Oct-17	23:36:04
37	171003M2_38	IPA	03-Oct-17	23:46:51
38	171003M2_39	1701342-08 JFOSS-GW-TW04-092617 0.125	03-Oct-17	23:57:29
39	171003M2_40	1701342-09@20X JFOSS-GW-TW10-092617 ...	04-Oct-17	00:08:16
40	171003M2_41	IPA	04-Oct-17	00:19:02
41	171003M2_42	1701342-09 JFOSS-GW-TW10-092617 0.125	04-Oct-17	00:29:40
42	171003M2_43	IPA	04-Oct-17	00:40:31
43	171003M2_44	1701342-10 JFOSS-GW-TW11-092617 0.125	04-Oct-17	00:51:19
44	171003M2_45	1701342-11 JFOSS-GW-TW14-092617 0.125	04-Oct-17	01:02:00
45	171003M2_46	1701342-18 JFOSS-GW-TW16-092817 0.125	04-Oct-17	01:12:46
46	171003M2_47	1701342-19 JFOSS-GW-TW17-092817 0.125	04-Oct-17	01:23:33
47	171003M2_48	B7J0002-BS1 OPR 0.125	04-Oct-17	01:34:19
48	171003M2_49	B7J0006-BS1 OPR 1	04-Oct-17	01:44:58
49	171003M2_50	B7J0010-BS1 OPR 0.125	04-Oct-17	01:55:44
50	171003M2_51	IPA	04-Oct-17	02:06:26
51	171003M2_52	B7J0002-BLK1 Method Blank 0.125	04-Oct-17	02:17:22
52	171003M2_53	B7J0006-BLK1 Method Blank 1	04-Oct-17	02:28:24
53	171003M2_54	B7J0010-BLK1 Method Blank 0.125	04-Oct-17	02:39:10
54	171003M2_55	1701324-01 TLZP-GW03-17D 0.125	04-Oct-17	02:49:57
55	171003M2_56	1701324-02 TLZP-GW04-17D 0.125	04-Oct-17	03:00:35
56	171003M2_57	B7J0002-MS1 Matrix Spike 0.125	04-Oct-17	03:11:22
57	171003M2_58	B7J0002-MSD1 Matrix Spike Dup 0.125	04-Oct-17	03:22:09
58	171003M2_59	1701324-03 TLZP-GW02-17D 0.125	04-Oct-17	03:32:55
59	171003M2_60	IPA	04-Oct-17	03:43:33
60	171003M2_61	ST171003M2-4 PFC CS0 17I2912	04-Oct-17	03:54:11
61	171003M2_62	IPA	04-Oct-17	04:04:58
62	171003M2_63	1701324-04 TLZP-GW02D-17D 0.125	04-Oct-17	04:15:36
63	171003M2_64	1701324-05 TLZP-GW01-17D 0.125	04-Oct-17	04:26:15
64	171003M2_65	1701324-06 TLZP-GW07-17D 0.125	04-Oct-17	04:36:56
65	171003M2_66	1701324-07 TLZP-GW06-17D 0.125	04-Oct-17	04:47:42
66	171003M2_67	1701324-08 TLZP-GW05-17D 0.125	04-Oct-17	04:58:29
67	171003M2_68	1701324-09 TLZP-EB-092517 0.125	04-Oct-17	05:09:15
68	171003M2_69	1701324-10 TLZP-FB-092517 0.125	04-Oct-17	05:20:02

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
69	171003M2_70	1701332-01 DWP-PW2 0.125	04-Oct-17	05:30:48
70	171003M2_71	1701332-02 DWP-PW12 0.125	04-Oct-17	05:41:27
71	171003M2_72	1701346-01 GALPAB201 0.125	04-Oct-17	05:52:13
72	171003M2_73	1701346-02 GALP08203 0.125	04-Oct-17	06:02:52
73	171003M2_74	1701175-09 B-G-1 (6-12') 1	04-Oct-17	06:13:38
74	171003M2_75	IPA	04-Oct-17	06:24:16
75	171003M2_76	ST171003M2-5 PFC CS3 17I2915	04-Oct-17	06:35:03
76	171003M2_77	IPA	04-Oct-17	06:45:49
77	171003M2_78	1701175-11 B-F-1 (6-12') 1	04-Oct-17	06:56:28
78	171003M2_79	1701313-01 GPEOR-04-SB02-0.5-1 1	04-Oct-17	07:07:26
79	171003M2_80	B7J0006-MS1 Matrix Spike 1	04-Oct-17	07:19:01
80	171003M2_81	B7J0006-MSD1 Matrix Spike Dup 1	04-Oct-17	07:30:17
81	171003M2_82	1701313-02 GPEOR-04-SB02-14.5-15 1	04-Oct-17	07:40:56
82	171003M2_83	1701313-03 GPEOR-04-SB01-0.5-1 1	04-Oct-17	07:51:34
83	171003M2_84	1701313-04 GPEOR-04-SB01-6-7 1	04-Oct-17	08:02:13
84	171003M2_85	1701313-05 GPEOR-SO-DUP004-091917 1	04-Oct-17	08:12:59
85	171003M2_86	1701313-06 GPEOR-08-SB03-0.5-1 1	04-Oct-17	08:23:37
86	171003M2_87	1701313-07 GPEOR-08-SB03-14.5-15 1	04-Oct-17	08:35:34
87	171003M2_88	1701313-08 GPEOR-08-SB01-0.5-1 1	04-Oct-17	08:46:18
88	171003M2_89	1701313-09 GPEOR-08-SB01-14.5-15 1	04-Oct-17	08:57:04
89	171003M2_90	IPA	04-Oct-17	09:07:43
90	171003M2_91	ST171003M2-6 PFC CS3 17I2915	04-Oct-17	09:18:21
91	171003M2_92	IPA	04-Oct-17	09:29:10
92	171003M2_93	RS V3 TEST B	04-Oct-17	09:39:55
93	171003M2_94	CIL 13C8 PFOA TESTER	04-Oct-17	09:50:40
94	171003M2_95	WELL 13C8 PFOA TESTER	04-Oct-17	10:01:27
95	171003M2_96	LCMS MEOH QC LOT D582	04-Oct-17	10:12:06
96	171003M2_97	IPA	04-Oct-17	10:22:54
97	171003M2_98	1701313-10 GPEOR-08-SB02-0.5-1 1	04-Oct-17	10:33:54
98	171003M2_99	1701313-11 GPEOR-08-SB02-14.5-15 1	04-Oct-17	10:44:47
99	171003M2_100	1701313-12 GPEOR-01-SB02-1-1.5 1	04-Oct-17	10:55:43
100	171003M2_101	1701299-01RE1 Air Force Beach Foam 0.00108	04-Oct-17	11:06:38
101	171003M2_102	IPA	04-Oct-17	11:18:22
102	171003M2_103	ST171003M2-7 PFC CS3 17I2915	04-Oct-17	11:29:17

LC Calibration Standards Review Checklist 04

Calibration ID:		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
ST171003 M2-1	(L M H)	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-2	(L M H)	<input 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"/>
-3	(L M H)	<input 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"/>
-4	(L M H)	<input 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"/>
-5	(L M H)	<input 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"/>
-6	(L M H)	<input 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"/>
-7	(L M H)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Mass Cal. Date: 6/21/17

Run Log Present:

of Samples per Sequence Checked:

Reviewed By: JA. 10/05/2017
Initials/Date

Comments:
Full list

Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

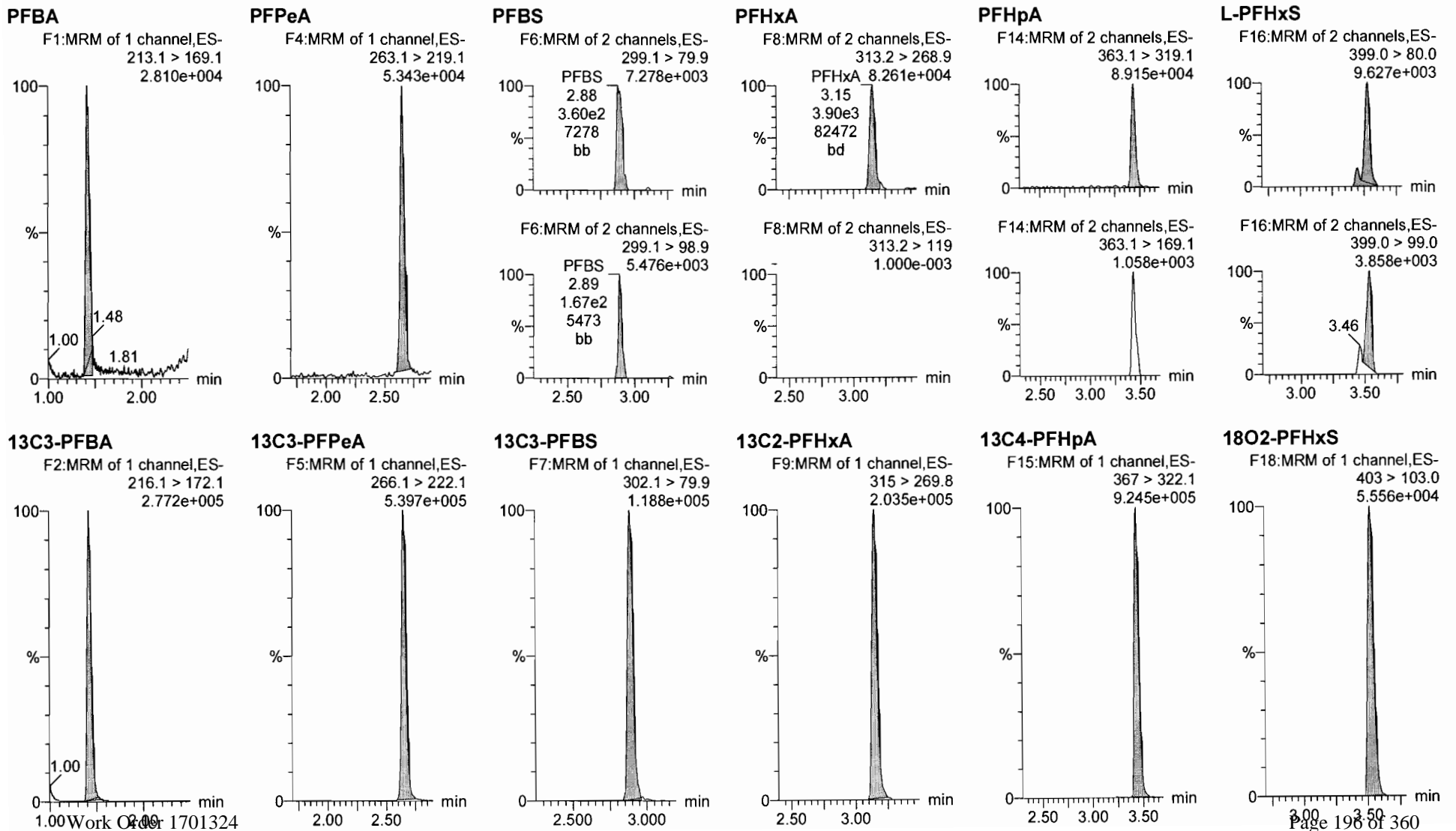
Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

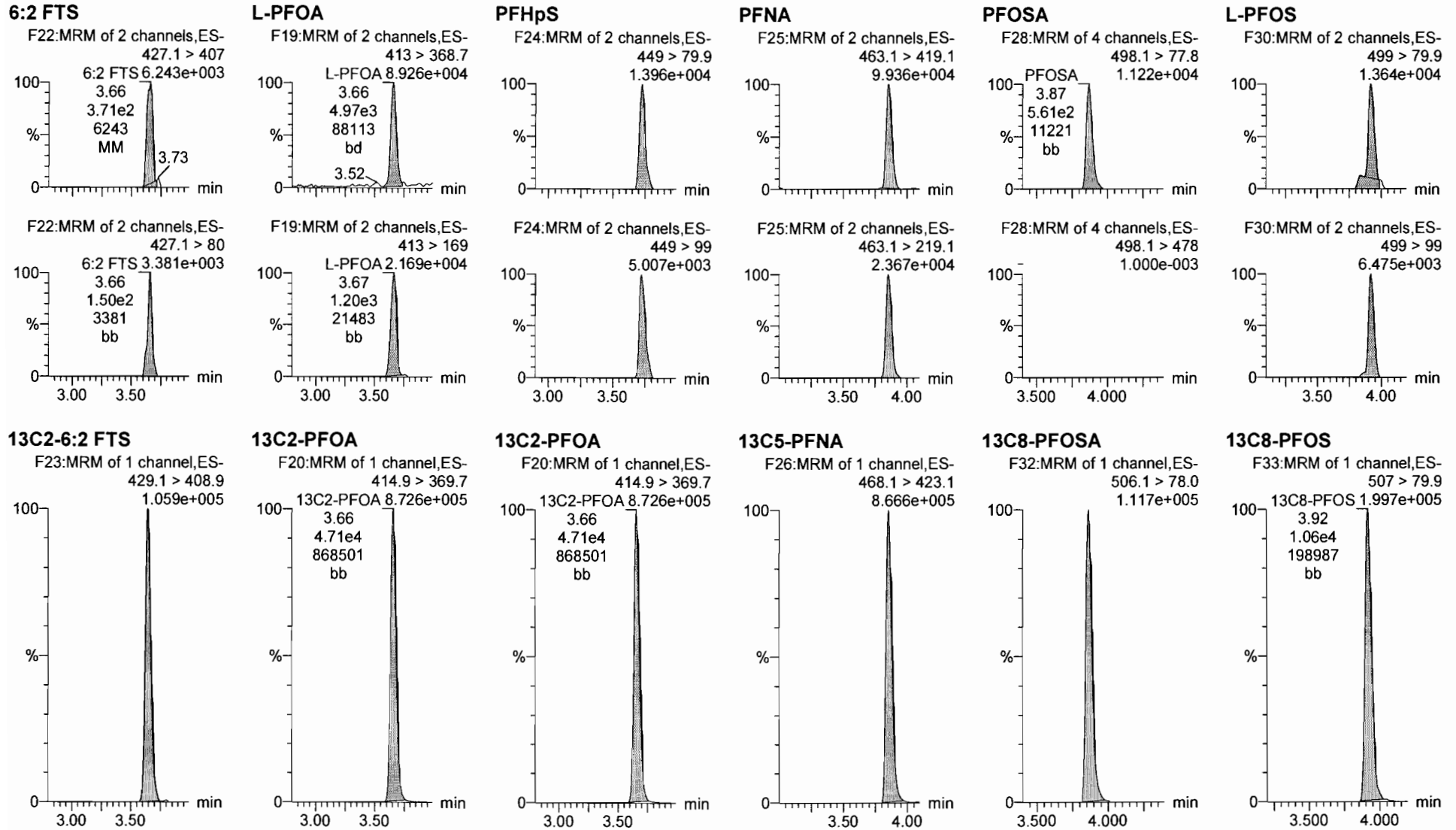
Name: 171003M2_2, Date: 03-Oct-2017, Time: 17:20:26, ID: ST171003M2-1 PFC CS0 17I2912, Description: PFC CS0 17I2912



Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

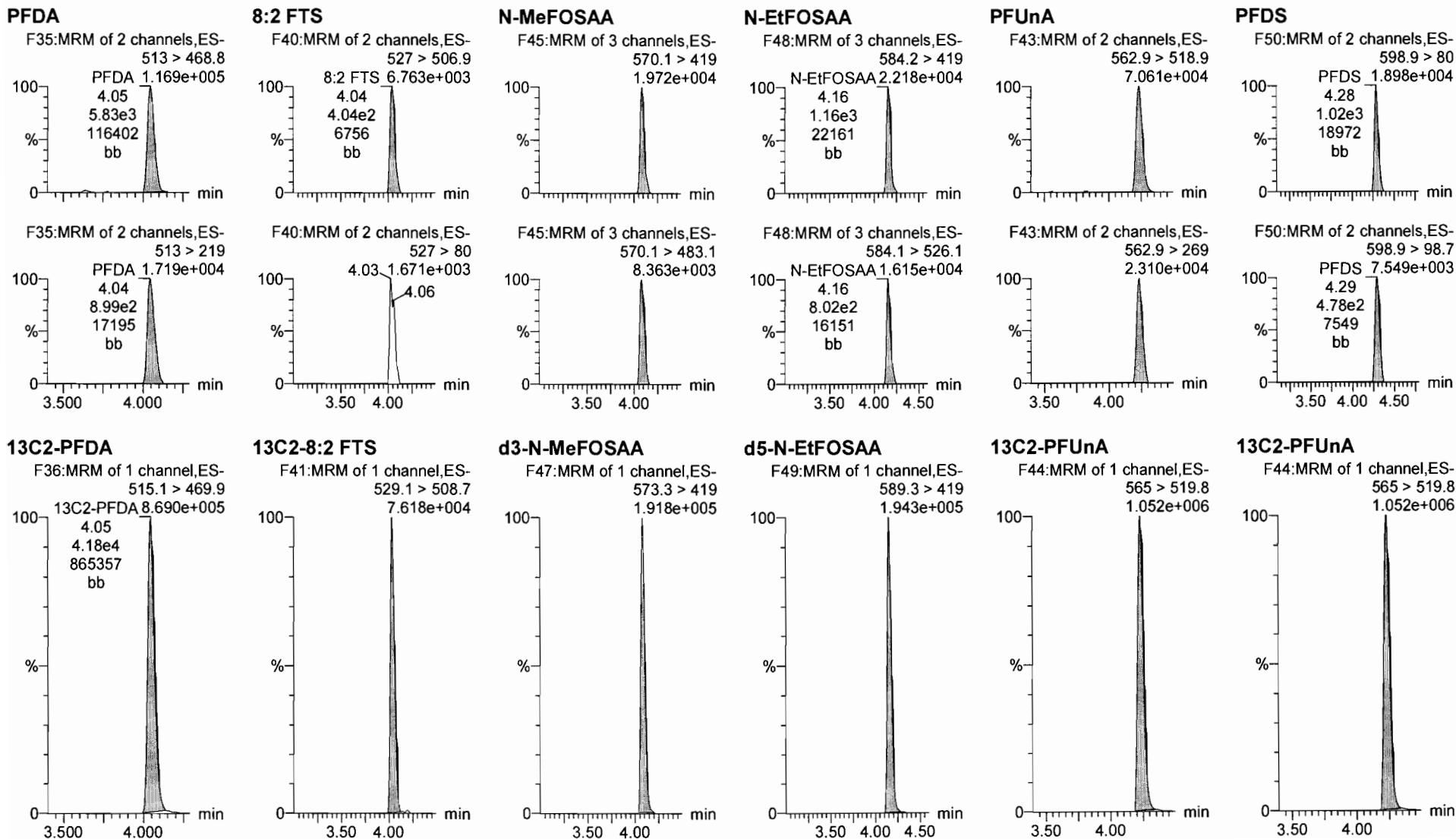
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

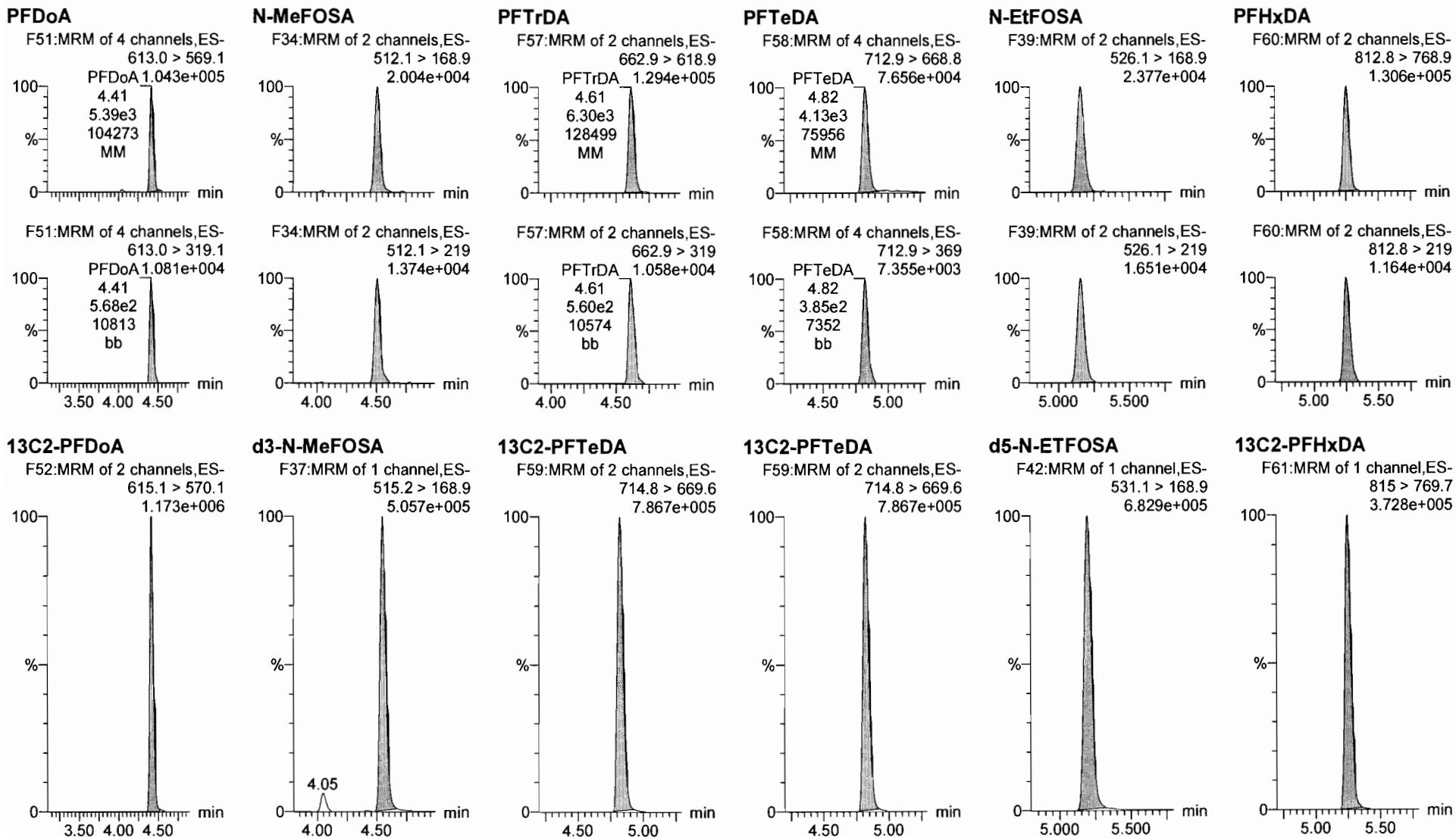
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

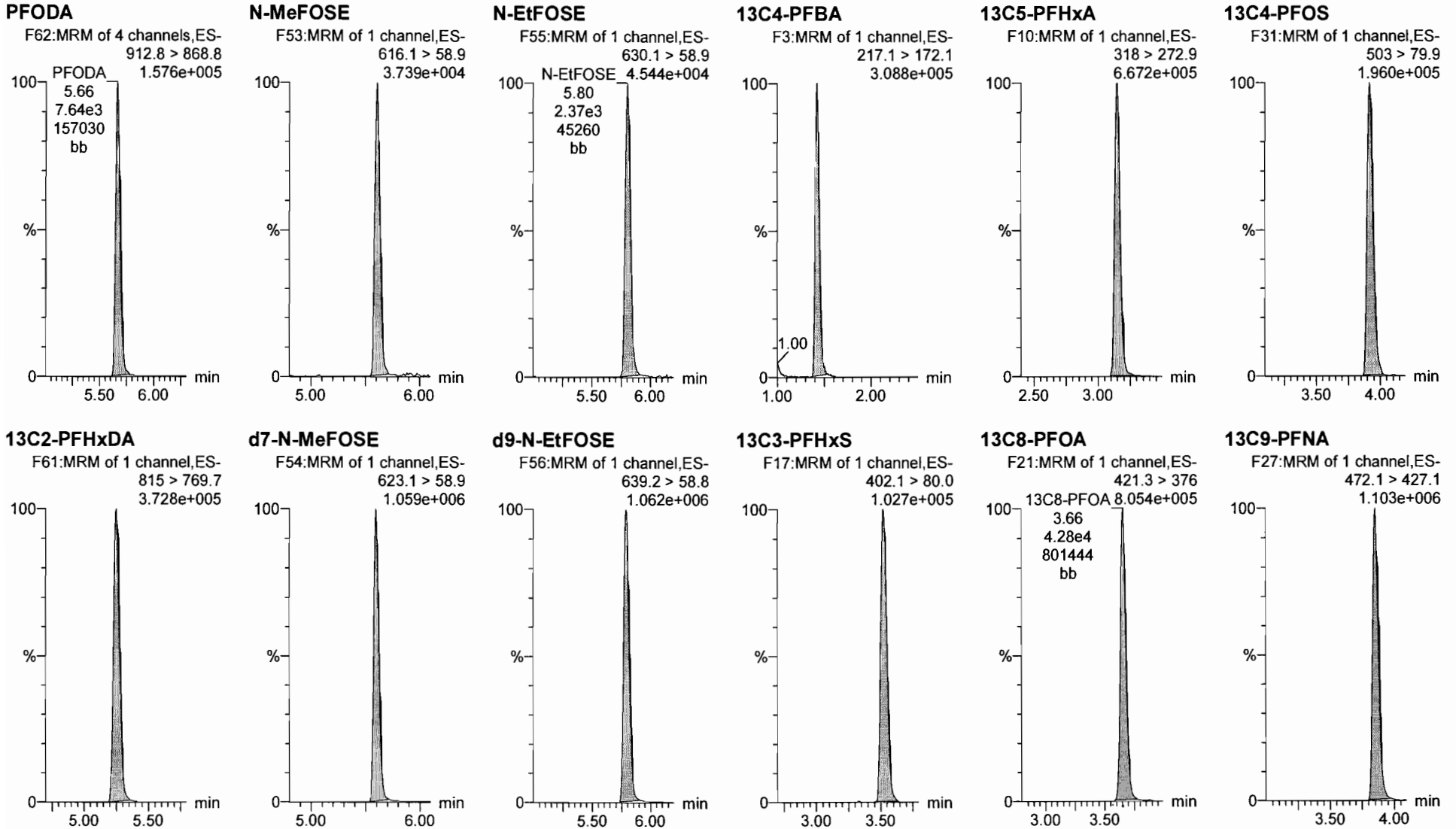
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

Name: 171003M2_2, Date: 03-Oct-2017, Time: 17:20:26, ID: ST171003M2-1 PFC CS0 17I2912, Description: PFC CS0 17I2912



Dataset: U:\Q4.PRO\results\171003M2\171003M2-2.qld

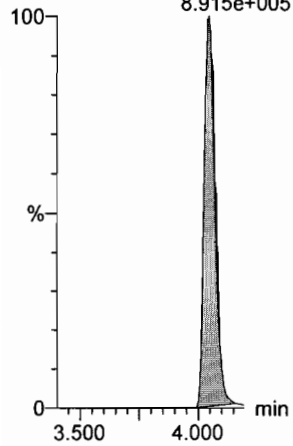
Last Altered: Wednesday, October 04, 2017 07:40:50 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 07:40:56 Pacific Daylight Time

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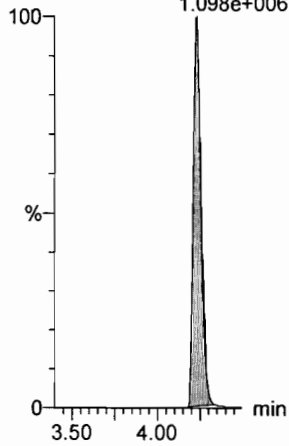
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
8.915e+005



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.098e+006



Dataset: U:\Q4.PRO\results\171003M2\171003M2-37.qld

Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 17I2915, Description: PFC CS3 17I2915

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.1 > 169.1	1.11e4	1.29e4		1.39	1.42	10.8	9.52	95.2
2	2 PFPeA	263.1 > 219.1	1.90e4	2.28e4		2.46	2.65	10.4	10.1	101.0
3	3 PFBS	299.1 > 79.9	3.92e3	5.14e3		2.88	2.89	9.54	9.13	91.3
4	4 PFHxA	313.2 > 268.9	2.66e4	8.54e3		3.04	3.15	15.6	9.97	99.7
5	5 PFHpA	363.1 > 319.1	3.38e4	4.35e4		3.33	3.44	9.73	9.78	97.8
6	6 L-PFHxS	399.0 > 80.0	4.94e3	3.00e3		3.41	3.52	20.6	8.67	86.7
7	8 6:2 FTS	427.1 > 407	4.03e3	4.45e3		3.54	3.64	11.3	9.03	90.3
8	9 L-PFOA	413 > 368.7	3.76e4	4.65e4		3.54	3.66	10.1	9.82	98.2
9	11 PFHpS	449 > 79.9	7.16e3	4.65e4		3.60	3.73	1.92	9.94	99.4
10	12 PFNA	463.1 > 419.1	4.66e4	5.70e4		3.72	3.86	10.2	9.28	92.8
11	13 PFOSA	498.1 > 77.8	5.07e3	6.14e3		3.87	3.87	10.3	9.12	91.2
12	14 L-PFOS	499 > 79.9	9.18e3	1.23e4		3.77	3.92	9.32	7.46	74.6
13	16 PFDA	513 > 468.8	5.07e4	4.02e4		3.89	4.05	15.8	11.2	111.9
14	17 8:2 FTS	527 > 506.9	5.82e3	4.12e3		4.05	4.05	17.7	11.1	110.8
15	18 N-MeFOSAA	570.1 > 419	1.16e4	9.31e3		3.92	4.09	202	10.2	101.8
16	19 N-EtFOSAA	584.2 > 419	9.41e3	1.00e4		3.99	4.17	152	9.81	98.1
17	20 PFUnA	562.9 > 518.9	3.95e4	5.17e4		4.04	4.24	9.55	9.44	94.4
18	21 PFDS	598.9 > 80	9.03e3	5.17e4		4.08	4.30	2.18	9.22	92.2
19	22 PFDoA	613.0 > 569.1	4.37e4	5.30e4		4.45	4.42	10.3	9.31	93.1
20	23 N-MeFOSA	512.1 > 168.9	9.79e3	2.66e4		4.50	4.51	55.2	45.2	90.3
21	24 PFTrDA	662.9 > 618.9	5.91e4	5.30e4		4.66	4.63	13.9	10.1	101.4
22	25 PFTeDA	712.9 > 668.8	3.80e4	4.11e4		4.88	4.84	11.6	9.02	90.2
23	26 N-EtFOSA	526.1 > 168.9	1.24e4	3.98e4		5.18	5.16	46.8	46.6	93.3
24	27 PFHxDA	812.8 > 768.9	6.00e4	2.01e4		5.32	5.27	14.9	9.36	93.6
25	28 PFODA	912.8 > 868.8	6.91e4	2.01e4		5.75	5.69	17.2	9.18	91.8
26	29 N-MeFOSE	616.1 > 58.9	1.86e4	5.49e4		5.43	5.64	50.9	50.4	100.7
27	30 N-EtFOSE	630.1 > 58.9	2.17e4	5.61e4		5.60	5.83	57.9	51.3	102.7
28	31 13C3-PFBA	216.1 > 172.1	1.29e4	1.46e4	0.878	1.42	1.42	11.0	12.6	100.6
29	32 13C3-PFPeA	266.1 > 222.1	2.28e4	2.98e4	0.231	2.46	2.65	3.83	16.6	132.5
30	33 13C3-PFBS	302.1 > 79.9	5.14e3	2.98e4	0.051	2.88	2.89	0.864	17.0	136.4
31	Work Order 171003M2	315 > 269.8	8.54e3	2.98e4	0.275	3.04	3.15	1.44	5.23	104.6

70-130

dm
10/14/17
JA
10/05/2017

50-150

Dataset: U:\Q4.PRO\results\171003M2\171003M2-37.qld

Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 17I2915, Description: PFC CS3 17I2915

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
32	35	13C4-PFHpA	367 > 322.1	4.35e4	2.98e4	0.558	3.33	3.44	7.31	13.1	104.7
33	36	18O2-PFHxS	403 > 103.0	3.00e3	5.62e3	0.490	3.41	3.52	6.67	13.6	108.9
34	37	13C2-6:2 FTS	429.1 > 408.9	4.45e3	3.59e4	0.146	3.54	3.65	1.55	10.6	84.7
35	38	13C2-PFOA	414.9 > 369.7	4.65e4	3.59e4	1.152	3.54	3.66	16.2	14.1	112.4
36	39	13C5-PFNA	468.1 > 423.1	5.70e4	6.26e4	0.857	3.72	3.86	11.4	13.3	106.2
37	40	13C8-PFOSA	506.1 > 78.0	6.14e3	5.43e4	0.136	3.87	3.87	1.41	10.4	82.9
38	41	13C8-PFOS	507 > 79.9	1.23e4	1.12e4	0.990	3.77	3.92	13.8	13.9	111.3
39	42	13C2-PFDA	515.1 > 469.9	4.02e4	4.94e4	0.882	3.89	4.05	10.2	11.5	92.3
40	43	13C2-8:2 FTS	529.1 > 508.7	4.12e3	4.94e4	0.105	4.05	4.04	1.04	9.96	79.7
41	44	d3-N-MeFOSAA	573.3 > 419	9.31e3	5.43e4	0.015	3.92	4.09	2.14	147	90.5
42	45	d5-N-EtFOSAA	589.3 > 419	1.00e4	5.43e4	0.015	3.99	4.16	2.31	151	92.9
43	46	13C2-PFUnA	565 > 519.8	5.17e4	5.43e4	0.943	4.04	4.24	11.9	12.6	101.0
44	47	13C2-PFDoA	615.1 > 570.1	5.30e4	5.43e4	0.951	4.45	4.42	12.2	12.8	102.5
45	48	d3-N-MeFOSA	515.2 > 168.9	2.66e4	5.43e4	0.051	4.50	4.56	6.12	119	79.3
46	49	13C2-PFTeDA	714.8 > 669.6	4.11e4	5.43e4	0.728	4.88	4.84	9.45	13.0	103.9
47	50	d5-N-ETFOSA	531.1 > 168.9	3.98e4	5.43e4	0.080	5.18	5.20	9.16	114	76.2
48	51	13C2-PFHxDA	815 > 769.7	2.01e4	5.43e4	0.918	5.32	5.27	4.62	5.04	100.8
49	52	d7-N-MeFOSE	623.1 > 58.9	5.49e4	5.43e4	0.111	5.43	5.62	12.6	114	76.1
50	53	d9-N-EtFOSE	639.2 > 58.8	5.61e4	5.43e4	0.113	5.60	5.82	12.9	114	76.0
51	54	13C4-PFBA	217.1 > 172.1	1.46e4	1.46e4	1.000	1.27	1.42	12.5	12.5	100.0
52	55	13C5-PFHxA	318 > 272.9	2.98e4	2.98e4	1.000	3.04	3.14	5.00	5.00	100.0
53	56	13C3-PFHxS	402.1 > 80.0	5.62e3	5.62e3	1.000	3.41	3.52	12.5	12.5	100.0
54	57	13C8-PFOA	421.3 > 376	3.59e4	3.59e4	1.000	3.54	3.66	12.5	12.5	100.0
55	58	13C9-PFNA	472.1 > 427.1	6.26e4	6.26e4	1.000	3.72	3.86	12.5	12.5	100.0
56	59	13C4-PFOS	503 > 79.9	1.12e4	1.12e4	1.000	3.77	3.92	12.5	12.5	100.0
57	60	13C6-PFDA	519.1 > 473.7	4.94e4	4.94e4	1.000	3.89	4.05	12.5	12.5	100.0
58	61	13C7-PFUnA	570.1 > 524.8	5.43e4	5.43e4	1.000	4.04	4.24	12.5	12.5	100.0

SD-15D
↓

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-9-29-17.mdb 29 Sep 2017 13:29:20

Calibration: 04 Oct 2017 15:15:24 *Q4 - VAL - PFAS - Q4_10-02-17-11*

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
1	171003M2_2	ST171003M2-1 PFC CS0 1712912	03-Oct-17	17:20:26
2	171003M2_3	IPA	03-Oct-17	17:31:04
3	171003M2_4	SYRINGE TESTER	03-Oct-17	17:41:54
4	171003M2_5	IPA	03-Oct-17	17:52:38
5	171003M2_6	B7I0162-BLK1 Method Blank 1	03-Oct-17	18:03:24
6	171003M2_7	B7I0162-MS1 Matrix Spike 1	03-Oct-17	18:14:02
7	171003M2_8	B7I0162-MSD1 Matrix Spike Dup 1	03-Oct-17	18:24:49
8	171003M2_9	B7J0001-MS1 Matrix Spike 0.125	03-Oct-17	18:35:35
9	171003M2_10	B7J0001-MSD1 Matrix Spike Dup 0.125	03-Oct-17	18:46:14
10	171003M2_11	B7J0001-MS2 Matrix Spike 0.125	03-Oct-17	18:57:00
11	171003M2_12	B7J0001-MSD2 Matrix Spike Dup 0.125	03-Oct-17	19:07:49
12	171003M2_13	1701312-01 GPEOR-05-SB01-0.5-1 1	03-Oct-17	19:18:33
13	171003M2_14	1701312-02 GPEOR-05-SB01-12.5-13 1	03-Oct-17	19:29:12
14	171003M2_15	1701312-03 GPEOR-05-SB02-0.5-1 1	03-Oct-17	19:39:58
15	171003M2_16	1701312-04 GPEOR-05-SB02-4.5-5 1	03-Oct-17	19:50:44
16	171003M2_17	1701312-05 GPEOR-05-SB03-0.5-1 1	03-Oct-17	20:01:31
17	171003M2_18	1701312-07 GPEOR-07-SB03-1-1.5 1	03-Oct-17	20:12:11
18	171003M2_19	1701312-08 GPEOR-07-SB03-14.5-15 1	03-Oct-17	20:22:56
19	171003M2_20	1701312-09 GPEOR-07-SB01-1-1.5 1	03-Oct-17	20:33:34
20	171003M2_21	1701312-10 GPEOR-07-SB01-11.5-12 1	03-Oct-17	20:44:13
21	171003M2_22	1701312-11 GPEOR-07-SB02-1.5-2 1	03-Oct-17	20:54:59
22	171003M2_23	IPA	03-Oct-17	21:05:38
23	171003M2_24	ST171003M2-2 PFC CS3 1712915	03-Oct-17	21:16:24
24	171003M2_25	IPA	03-Oct-17	21:27:11
25	171003M2_26	1701316-01 GPEOR-SO-DUP001-092017 1	03-Oct-17	21:37:57
26	171003M2_27	1701316-02 GPEOR-SO-DUP002-092017 1	03-Oct-17	21:48:43
27	171003M2_28	1701316-03 GPEOR-SO-DUP005-092017 1	03-Oct-17	21:59:22
28	171003M2_29	1701316-08 GPEOR-06-SB02-0.5-1 1	03-Oct-17	22:10:08
29	171003M2_30	1701316-10 GPEOR-06-SB02-9.5-10 1	03-Oct-17	22:20:55
30	171003M2_31	1701316-11 GPEOR-06-SB03-0.5-1 1	03-Oct-17	22:31:41
31	171003M2_32	1701316-12 GPEOR-06-SB03-6.5-7 1	03-Oct-17	22:42:28
32	171003M2_33	1701342-01 JFOSS-10-SW01-092517 0.125	03-Oct-17	22:53:14

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171003M2_34	1701342-02 JFOSS-11-SW01-092517 0.125	03-Oct-17	23:04:01
34	171003M2_35	1701342-03 JFOSS-12-SW01-092517 0.125	03-Oct-17	23:14:47
35	171003M2_36	IPA	03-Oct-17	23:25:26
36	171003M2_37	ST171003M2-3 PFC CS3 17I2915	03-Oct-17	23:36:04
37	171003M2_38	IPA	03-Oct-17	23:46:51
38	171003M2_39	1701342-08 JFOSS-GW-TW04-092617 0.125	03-Oct-17	23:57:29
39	171003M2_40	1701342-09@20X JFOSS-GW-TW10-092617 ...	04-Oct-17	00:08:16
40	171003M2_41	IPA	04-Oct-17	00:19:02
41	171003M2_42	1701342-09 JFOSS-GW-TW10-092617 0.125	04-Oct-17	00:29:40
42	171003M2_43	IPA	04-Oct-17	00:40:31
43	171003M2_44	1701342-10 JFOSS-GW-TW11-092617 0.125	04-Oct-17	00:51:19
44	171003M2_45	1701342-11 JFOSS-GW-TW14-092617 0.125	04-Oct-17	01:02:00
45	171003M2_46	1701342-18 JFOSS-GW-TW16-092817 0.125	04-Oct-17	01:12:46
46	171003M2_47	1701342-19 JFOSS-GW-TW17-092817 0.125	04-Oct-17	01:23:33
47	171003M2_48	B7J0002-BS1 OPR 0.125	04-Oct-17	01:34:19
48	171003M2_49	B7J0006-BS1 OPR 1	04-Oct-17	01:44:58
49	171003M2_50	B7J0010-BS1 OPR 0.125	04-Oct-17	01:55:44
50	171003M2_51	IPA	04-Oct-17	02:06:26
51	171003M2_52	B7J0002-BLK1 Method Blank 0.125	04-Oct-17	02:17:22
52	171003M2_53	B7J0006-BLK1 Method Blank 1	04-Oct-17	02:28:24
53	171003M2_54	B7J0010-BLK1 Method Blank 0.125	04-Oct-17	02:39:10
54	171003M2_55	1701324-01 TLZP-GW03-17D 0.125	04-Oct-17	02:49:57
55	171003M2_56	1701324-02 TLZP-GW04-17D 0.125	04-Oct-17	03:00:35
56	171003M2_57	B7J0002-MS1 Matrix Spike 0.125	04-Oct-17	03:11:22
57	171003M2_58	B7J0002-MSD1 Matrix Spike Dup 0.125	04-Oct-17	03:22:09
58	171003M2_59	1701324-03 TLZP-GW02-17D 0.125	04-Oct-17	03:32:55
59	171003M2_60	IPA	04-Oct-17	03:43:33
60	171003M2_61	ST171003M2-4 PFC CS0 17I2912	04-Oct-17	03:54:11
61	171003M2_62	IPA	04-Oct-17	04:04:58
62	171003M2_63	1701324-04 TLZP-GW02D-17D 0.125	04-Oct-17	04:15:36
63	171003M2_64	1701324-05 TLZP-GW01-17D 0.125	04-Oct-17	04:26:15
64	171003M2_65	1701324-06 TLZP-GW07-17D 0.125	04-Oct-17	04:36:56
65	171003M2_66	1701324-07 TLZP-GW06-17D 0.125	04-Oct-17	04:47:42
66	171003M2_67	1701324-08 TLZP-GW05-17D 0.125	04-Oct-17	04:58:29
67	171003M2_68	1701324-09 TLZP-EB-092517 0.125	04-Oct-17	05:09:15
68	171003M2_69	1701324-10 TLZP-FB-092517 0.125	04-Oct-17	05:20:02

Work Order: 1711321

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

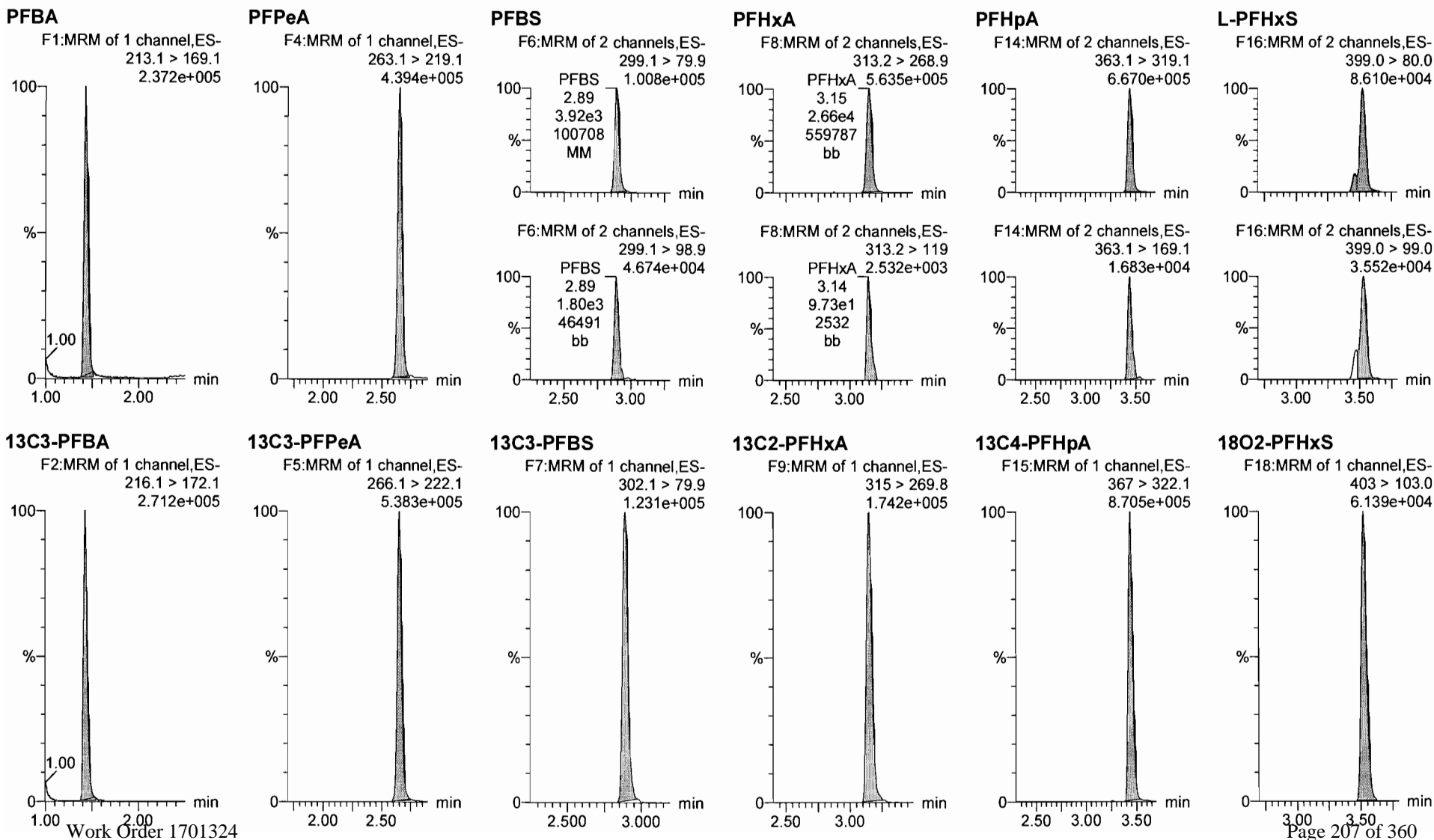
	Name	ID	Acq.Date	Acq.Time
69	171003M2_70	1701332-01 DWP-PW2 0.125	04-Oct-17	05:30:48
70	171003M2_71	1701332-02 DWP-PW12 0.125	04-Oct-17	05:41:27
71	171003M2_72	1701346-01 GALPAB201 0.125	04-Oct-17	05:52:13
72	171003M2_73	1701346-02 GALP08203 0.125	04-Oct-17	06:02:52
73	171003M2_74	1701175-09 B-G-1 (6-12') 1	04-Oct-17	06:13:38
74	171003M2_75	IPA	04-Oct-17	06:24:16
75	171003M2_76	ST171003M2-5 PFC CS3 17I2915	04-Oct-17	06:35:03
76	171003M2_77	IPA	04-Oct-17	06:45:49
77	171003M2_78	1701175-11 B-F-1 (6-12') 1	04-Oct-17	06:56:28
78	171003M2_79	1701313-01 GPEOR-04-SB02-0.5-1 1	04-Oct-17	07:07:26
79	171003M2_80	B7J0006-MS1 Matrix Spike 1	04-Oct-17	07:19:01
80	171003M2_81	B7J0006-MSD1 Matrix Spike Dup 1	04-Oct-17	07:30:17
81	171003M2_82	1701313-02 GPEOR-04-SB02-14.5-15 1	04-Oct-17	07:40:56
82	171003M2_83	1701313-03 GPEOR-04-SB01-0.5-1 1	04-Oct-17	07:51:34
83	171003M2_84	1701313-04 GPEOR-04-SB01-6-7 1	04-Oct-17	08:02:13
84	171003M2_85	1701313-05 GPEOR-SO-DUP004-091917 1	04-Oct-17	08:12:59
85	171003M2_86	1701313-06 GPEOR-08-SB03-0.5-1 1	04-Oct-17	08:23:37
86	171003M2_87	1701313-07 GPEOR-08-SB03-14.5-15 1	04-Oct-17	08:35:34
87	171003M2_88	1701313-08 GPEOR-08-SB01-0.5-1 1	04-Oct-17	08:46:18
88	171003M2_89	1701313-09 GPEOR-08-SB01-14.5-15 1	04-Oct-17	08:57:04
89	171003M2_90	IPA	04-Oct-17	09:07:43
90	171003M2_91	ST171003M2-6 PFC CS3 17I2915	04-Oct-17	09:18:21
91	171003M2_92	IPA	04-Oct-17	09:29:10
92	171003M2_93	RS V3 TEST B	04-Oct-17	09:39:55
93	171003M2_94	CIL 13C8 PFOA TESTER	04-Oct-17	09:50:40
94	171003M2_95	WELL 13C8 PFOA TESTER	04-Oct-17	10:01:27
95	171003M2_96	LCMS MEOH QC LOT D582	04-Oct-17	10:12:06
96	171003M2_97	IPA	04-Oct-17	10:22:54
97	171003M2_98	1701313-10 GPEOR-08-SB02-0.5-1 1	04-Oct-17	10:33:54
98	171003M2_99	1701313-11 GPEOR-08-SB02-14.5-15 1	04-Oct-17	10:44:47
99	171003M2_100	1701313-12 GPEOR-01-SB02-1-1.5 1	04-Oct-17	10:55:43
100	171003M2_101	1701299-01RE1 Air Force Beach Foam 0.00108	04-Oct-17	11:06:38
101	171003M2_102	IPA	04-Oct-17	11:18:22
102	171003M2_103	ST171003M2-7 PFC CS3 17I2915	04-Oct-17	11:29:17

Dataset: U:\Q4.PRO\results\171003M2\171003M2-37.qld

Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 1712915, Description: PFC CS3 1712915

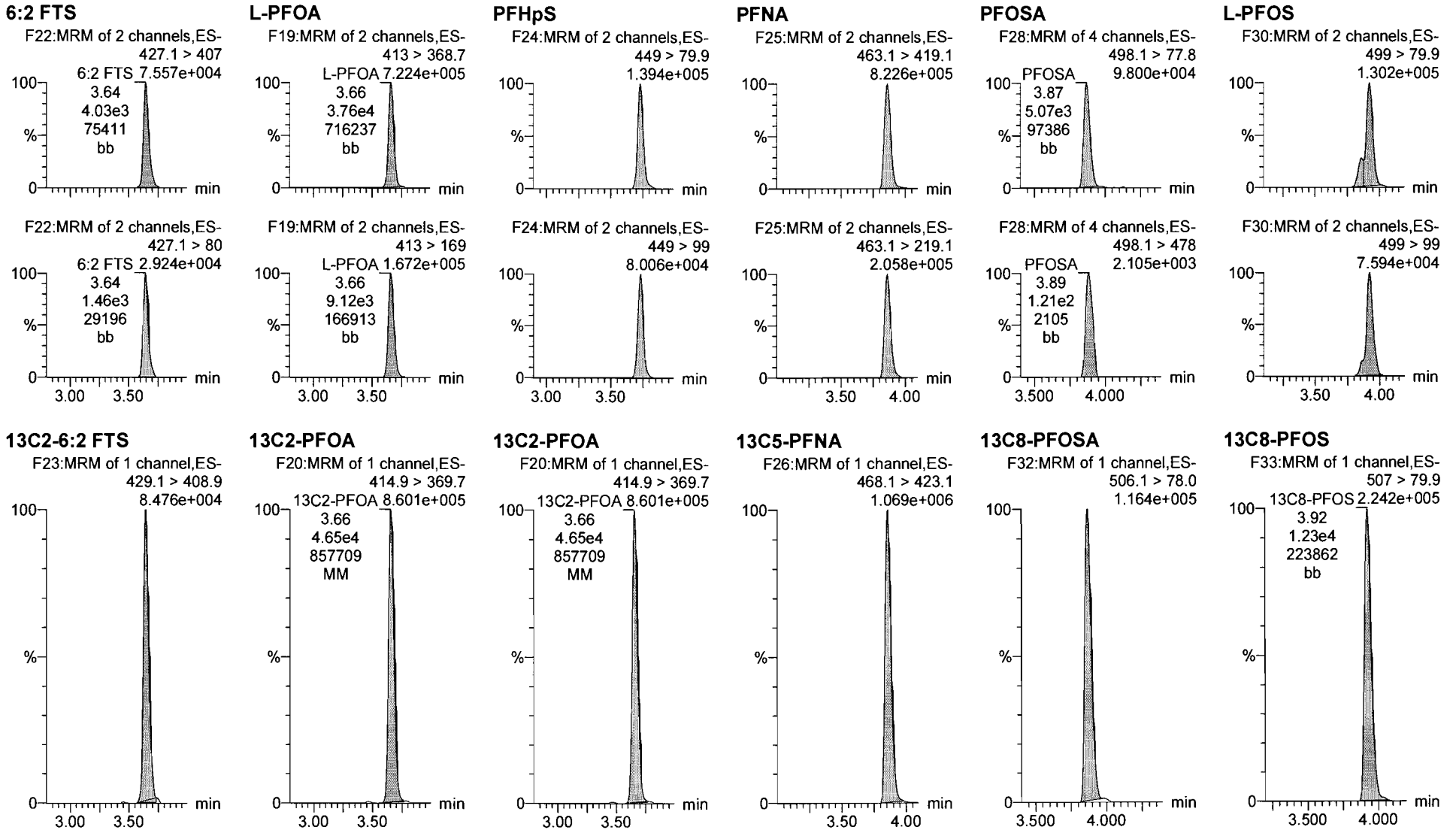


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Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

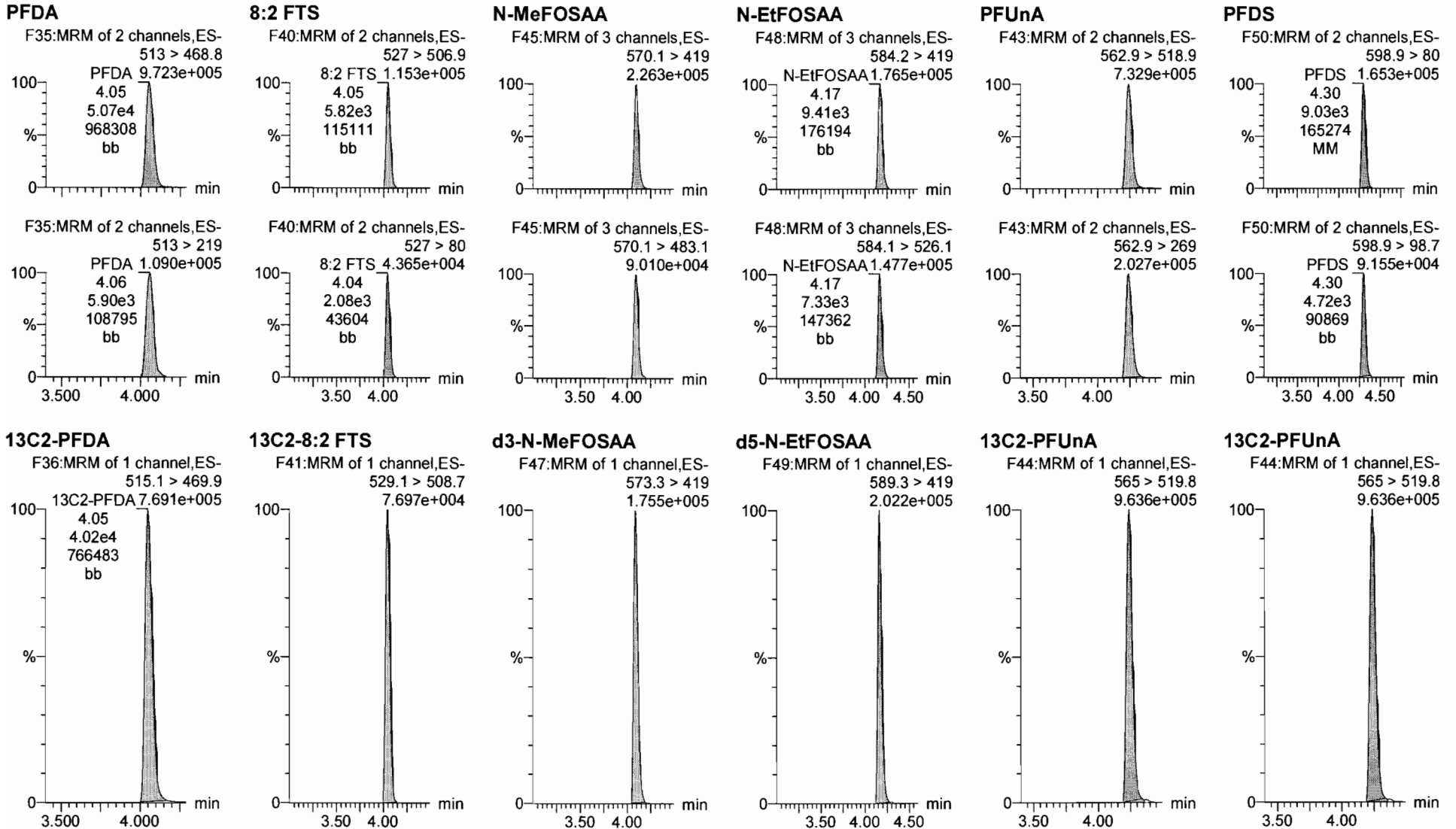
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-37.qld

Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 1712915, Description: PFC CS3 1712915

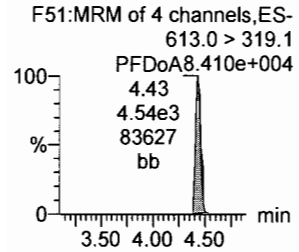
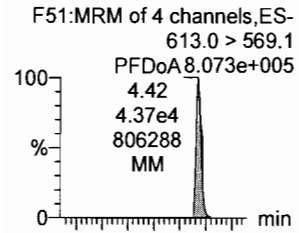


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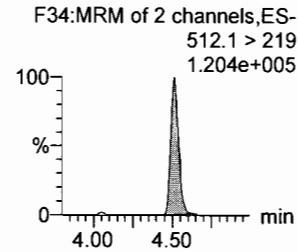
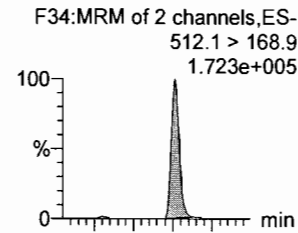
Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

Name: 171003M2_37, Date: 03-Oct-2017, Time: 23:36:04, ID: ST171003M2-3 PFC CS3 1712915, Description: PFC CS3 1712915

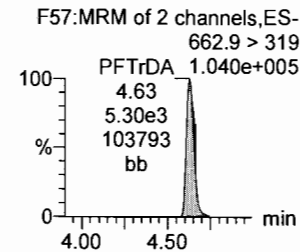
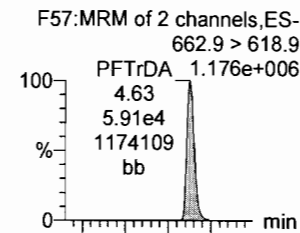
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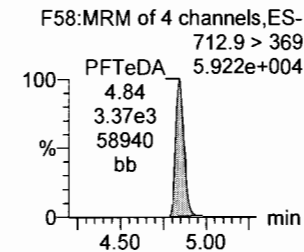
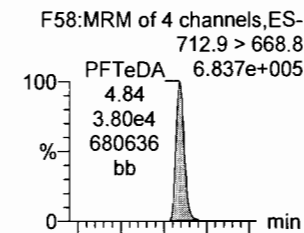
N-MeFOSA



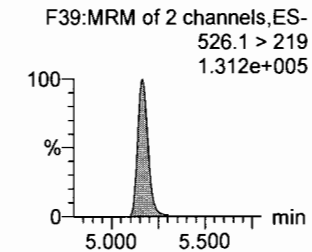
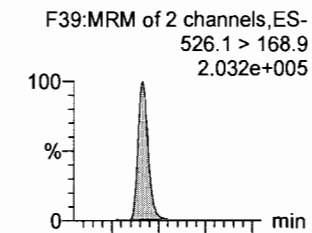
PFTrDA



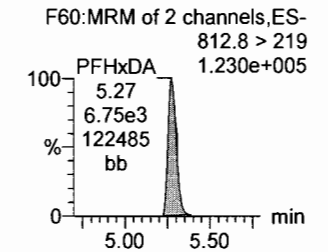
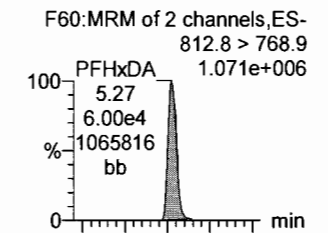
PFTeDA



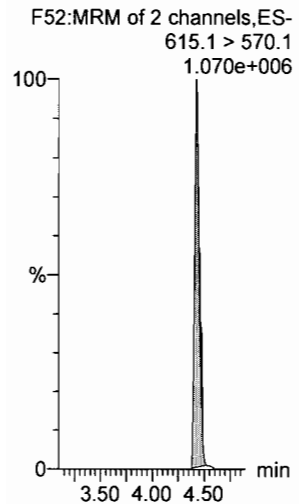
N-EtFOSA



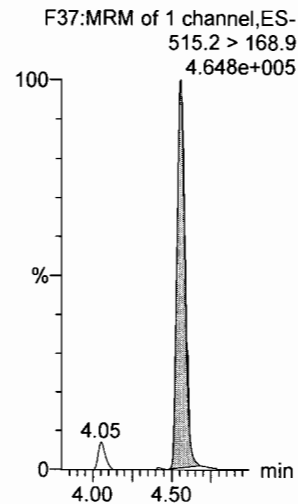
PFHxDA



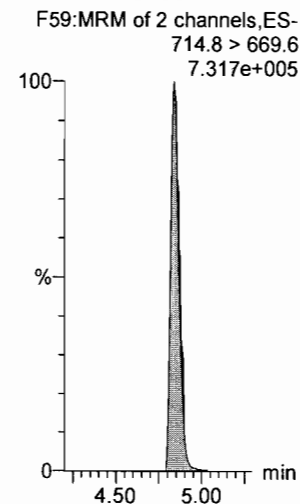
13C2-PFDoA



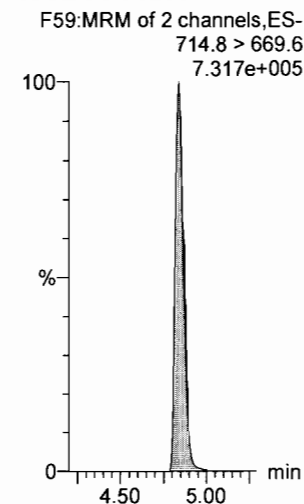
d3-N-MeFOSA



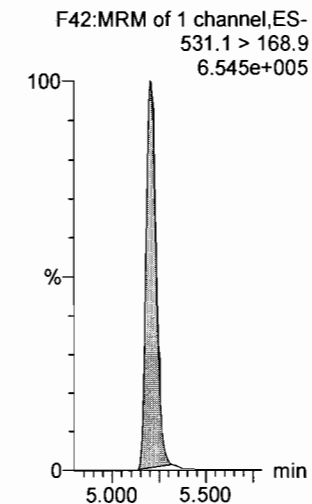
13C2-PFTeDA



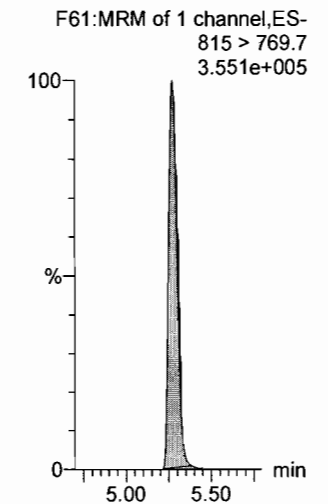
13C2-PFTeDA



d5-N-ETFOSA



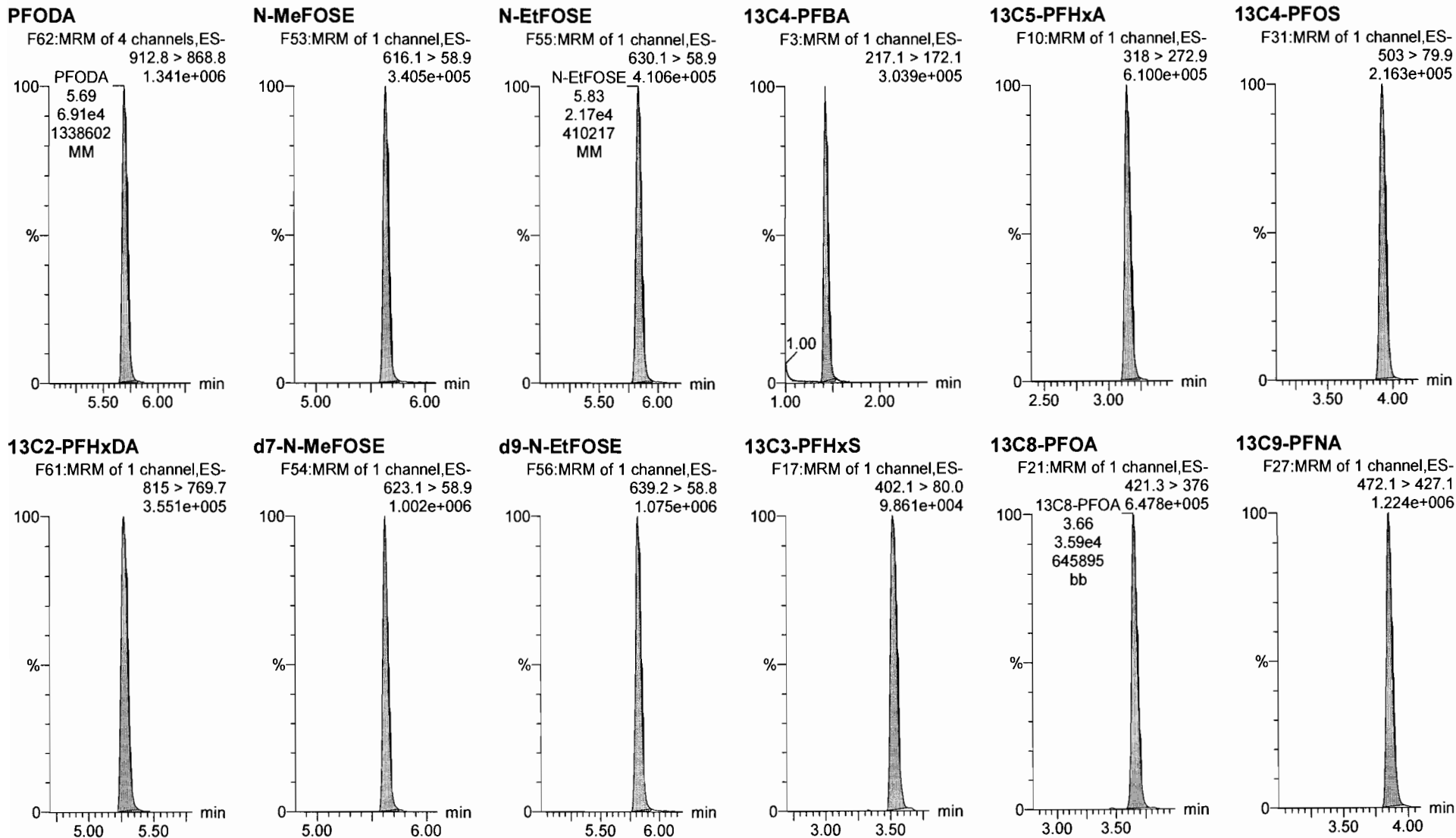
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-37.qld

Last Altered: Wednesday, October 04, 2017 08:05:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:06:10 Pacific Daylight Time

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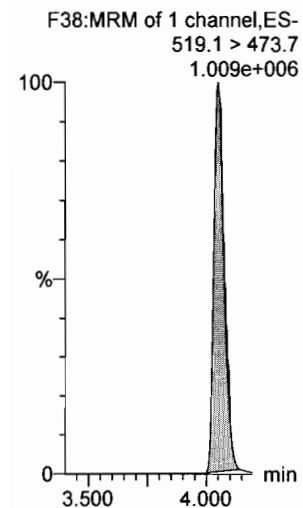
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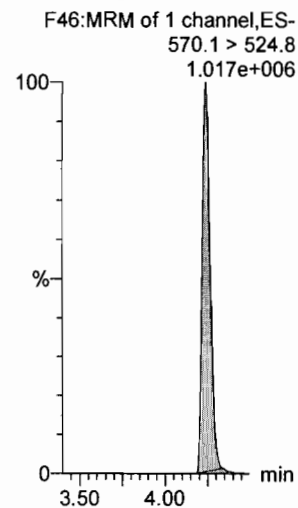
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13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 1712912, Description: PFC CS0 1712912

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.1 > 169.1	1.42e3	1.41e4		1.39	1.42	1.25	1.07	107.4
2	2 PFPeA	263.1 > 219.1	2.38e3	2.60e4		2.46	2.66	1.15	1.04	104.5
3	3 PFBS	299.1 > 79.9	5.60e2	5.45e3		2.88	2.90	1.28	1.21	121.1
4	4 PFHxA	313.2 > 268.9	3.64e3	1.05e4		3.04	3.14	1.74	1.03	102.8
5	5 PFHpA	363.1 > 319.1	4.37e3	4.89e4		3.33	3.44	1.12	1.03	102.8
6	6 L-PFHxS	399.0 > 80.0	6.65e2	2.93e3		3.41	3.52	2.84	1.17	116.9
7	8 6:2 FTS	427.1 > 407	5.56e2	5.27e3		3.54	3.65	1.32	1.07	107.2
8	9 L-PFOA	413 > 368.7	5.80e3	5.59e4		3.54	3.66	1.30	0.935	93.5
9	11 PFHpS	449 > 79.9	9.25e2	5.59e4		3.60	3.74	0.207	1.06	105.9
10	12 PFNA	463.1 > 419.1	5.48e3	5.39e4		3.72	3.85	1.27	1.03	103.4
11	13 PFOSA	498.1 > 77.8	6.75e2	6.74e3		3.87	3.87	1.25	1.21	120.5
12	14 L-PFOS	499 > 79.9	1.08e3	1.24e4		3.77	3.92	1.09	0.887	88.7
13	16 PFDA	513 > 468.8	6.27e3	4.82e4		3.89	4.05	1.63	1.09	109.1
14	17 8:2 FTS	527 > 506.9	5.26e2	4.35e3		4.05	4.05	1.51	0.935	93.5
15	18 N-MeFOSAA	570.1 > 419	1.29e3	1.03e4		3.92	4.09	20.3	1.04	104.4
16	19 N-EtFOSAA	584.2 > 419	1.09e3	1.05e4		3.99	4.17	16.9	1.12	111.9
17	20 PFUnA	562.9 > 518.9	5.17e3	5.89e4		4.04	4.23	1.10	1.03	102.7
18	21 PFDS	598.9 > 80	1.02e3	5.89e4		4.08	4.30	0.216	0.830	83.0
19	22 PFDoA	613.0 > 569.1	5.77e3	5.12e4		4.45	4.42	1.41	1.27	127.1
20	23 N-MeFOSA	512.1 > 168.9	1.13e3	2.92e4		4.50	4.52	5.79	4.71	94.1
21	24 PFTTrDA	662.9 > 618.9	7.02e3	5.12e4		4.66	4.62	1.72	1.12	112.0
22	25 PFTeDA	712.9 > 668.8	4.77e3	4.68e4		4.88	4.84	1.27	0.928	92.8
23	26 N-EtFOSA	526.1 > 168.9	1.45e3	4.24e4		5.18	5.17	5.15	5.18	103.6
24	27 PFHxDA	812.8 > 768.9	7.89e3	2.22e4		5.32	5.27	1.78	1.05	104.7
25	28 PFOA	912.8 > 868.8	8.76e3	2.22e4		5.75	5.69	1.97	1.05	105.1
26	29 N-MeFOSE	616.1 > 58.9	2.05e3	5.84e4		5.43	5.64	5.27	4.80	95.9
27	30 N-EtFOSE	630.1 > 58.9	2.51e3	5.91e4		5.60	5.83	6.38	5.20	103.9
28	31 13C3-PFBA	216.1 > 172.1	1.41e4	1.67e4	0.878	1.42	1.42	10.5	12.0	96.1
29	32 13C3-PFPeA	266.1 > 222.1	2.60e4	3.74e4	0.231	2.46	2.65	3.47	15.0	120.1
30	33 13C3-PFBS	302.1 > 79.9	5.45e3	3.74e4	0.051	2.88	2.90	0.728	14.4	115.0
31	Work 34 13C3-PFNA	315 > 269.8	1.05e4	3.74e4	0.275	3.04	3.14	1.40	5.10	102.0

70-130

DM
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10/05/2017

50-150

Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 17I2912, Description: PFC CS0 17I2912

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367 > 322.1	4.89e4	3.74e4	0.558	3.33	3.43	6.54	11.7	93.7
33	36 18O2-PFHxS	403 > 103.0	2.93e3	6.31e3	0.490	3.41	3.52	5.80	11.8	94.7
34	37 13C2-6:2 FTS	429.1 > 408.9	5.27e3	4.64e4	0.146	3.54	3.64	1.42	9.72	77.7
35	38 13C2-PFOA	414.9 > 369.7	5.59e4	4.64e4	1.152	3.54	3.65	15.1	13.1	104.7
36	39 13C5-PFNA	468.1 > 423.1	5.39e4	6.89e4	0.857	3.72	3.85	9.77	11.4	91.2
37	40 13C8-PFOSA	506.1 > 78.0	6.74e3	5.90e4	0.136	3.87	3.87	1.43	10.5	83.6
38	41 13C8-PFOS	507 > 79.9	1.24e4	1.22e4	0.990	3.77	3.92	12.7	12.8	102.5
39	42 13C2-PFDA	515.1 > 469.9	4.82e4	5.12e4	0.882	3.89	4.05	11.8	13.4	106.8
40	43 13C2-8:2 FTS	529.1 > 508.7	4.35e3	5.12e4	0.105	4.05	4.04	1.06	10.2	81.2
41	44 d3-N-MeFOSAA	573.3 > 419	1.03e4	5.90e4	0.015	3.92	4.09	2.18	150	92.2
42	45 d5-N-EtFOSAA	589.3 > 419	1.05e4	5.90e4	0.015	3.99	4.16	2.22	145	89.4
43	46 13C2-PFUnA	565 > 519.8	5.89e4	5.90e4	0.943	4.04	4.24	12.5	13.2	105.8
44	47 13C2-PFDoA	615.1 > 570.1	5.12e4	5.90e4	0.951	4.45	4.42	10.8	11.4	91.1
45	48 d3-N-MeFOSA	515.2 > 168.9	2.92e4	5.90e4	0.051	4.50	4.56	6.18	120	80.1
46	49 13C2-PFTeDA	714.8 > 669.6	4.68e4	5.90e4	0.728	4.88	4.84	9.92	13.6	109.0
47	50 d5-N-ETFOSA	531.1 > 168.9	4.24e4	5.90e4	0.080	5.18	5.21	8.97	112	74.7
48	51 13C2-PFHxDA	815 > 769.7	2.22e4	5.90e4	0.918	5.32	5.27	4.70	5.13	102.5
49	52 d7-N-MeFOSE	623.1 > 58.9	5.84e4	5.90e4	0.111	5.43	5.62	12.4	112	74.5
50	53 d9-N-EtFOSE	639.2 > 58.8	5.91e4	5.90e4	0.113	5.60	5.82	12.5	111	73.7
51	54 13C4-PFBA	217.1 > 172.1	1.67e4	1.67e4	1.000	1.27	1.43	12.5	12.5	100.0
52	55 13C5-PFHxA	318 > 272.9	3.74e4	3.74e4	1.000	3.04	3.14	5.00	5.00	100.0
53	56 13C3-PFHxS	402.1 > 80.0	6.31e3	6.31e3	1.000	3.41	3.52	12.5	12.5	100.0
54	57 13C8-PFOA	421.3 > 376	4.64e4	4.64e4	1.000	3.54	3.66	12.5	12.5	100.0
55	58 13C9-PFNA	472.1 > 427.1	6.89e4	6.89e4	1.000	3.72	3.86	12.5	12.5	100.0
56	59 13C4-PFOS	503 > 79.9	1.22e4	1.22e4	1.000	3.77	3.92	12.5	12.5	100.0
57	60 13C6-PFDA	519.1 > 473.7	5.12e4	5.12e4	1.000	3.89	4.05	12.5	12.5	100.0
58	61 13C7-PFUnA	570.1 > 524.8	5.90e4	5.90e4	1.000	4.04	4.24	12.5	12.5	100.0

SD-1SD



Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-9-29-17.mdb 29 Sep 2017 13:29:20

Calibration: 04 Oct 2017 15:15:24 CIG_VAL - PFAS_Q4_10-02-17-F11

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
1	171003M2_2	ST171003M2-1 PFC CS0 17I2912	03-Oct-17	17:20:26
2	171003M2_3	IPA	03-Oct-17	17:31:04
3	171003M2_4	SYRINGE TESTER	03-Oct-17	17:41:54
4	171003M2_5	IPA	03-Oct-17	17:52:38
5	171003M2_6	B7I0162-BLK1 Method Blank 1	03-Oct-17	18:03:24
6	171003M2_7	B7I0162-MS1 Matrix Spike 1	03-Oct-17	18:14:02
7	171003M2_8	B7I0162-MSD1 Matrix Spike Dup 1	03-Oct-17	18:24:49
8	171003M2_9	B7J0001-MS1 Matrix Spike 0.125	03-Oct-17	18:35:35
9	171003M2_10	B7J0001-MSD1 Matrix Spike Dup 0.125	03-Oct-17	18:46:14
10	171003M2_11	B7J0001-MS2 Matrix Spike 0.125	03-Oct-17	18:57:00
11	171003M2_12	B7J0001-MSD2 Matrix Spike Dup 0.125	03-Oct-17	19:07:49
12	171003M2_13	1701312-01 GPEOR-05-SB01-0.5-1 1	03-Oct-17	19:18:33
13	171003M2_14	1701312-02 GPEOR-05-SB01-12.5-13 1	03-Oct-17	19:29:12
14	171003M2_15	1701312-03 GPEOR-05-SB02-0.5-1 1	03-Oct-17	19:39:58
15	171003M2_16	1701312-04 GPEOR-05-SB02-4.5-5 1	03-Oct-17	19:50:44
16	171003M2_17	1701312-05 GPEOR-05-SB03-0.5-1 1	03-Oct-17	20:01:31
17	171003M2_18	1701312-07 GPEOR-07-SB03-1-1.5 1	03-Oct-17	20:12:11
18	171003M2_19	1701312-08 GPEOR-07-SB03-14.5-15 1	03-Oct-17	20:22:56
19	171003M2_20	1701312-09 GPEOR-07-SB01-1-1.5 1	03-Oct-17	20:33:34
20	171003M2_21	1701312-10 GPEOR-07-SB01-11.5-12 1	03-Oct-17	20:44:13
21	171003M2_22	1701312-11 GPEOR-07-SB02-1.5-2 1	03-Oct-17	20:54:59
22	171003M2_23	IPA	03-Oct-17	21:05:38
23	171003M2_24	ST171003M2-2 PFC CS3 17I2915	03-Oct-17	21:16:24
24	171003M2_25	IPA	03-Oct-17	21:27:11
25	171003M2_26	1701316-01 GPEOR-SO-DUP001-092017 1	03-Oct-17	21:37:57
26	171003M2_27	1701316-02 GPEOR-SO-DUP002-092017 1	03-Oct-17	21:48:43
27	171003M2_28	1701316-03 GPEOR-SO-DUP005-092017 1	03-Oct-17	21:59:22
28	171003M2_29	1701316-08 GPEOR-06-SB02-0.5-1 1	03-Oct-17	22:10:08
29	171003M2_30	1701316-10 GPEOR-06-SB02-9.5-10 1	03-Oct-17	22:20:55
30	171003M2_31	1701316-11 GPEOR-06-SB03-0.5-1 1	03-Oct-17	22:31:41
31	171003M2_32	1701316-12 GPEOR-06-SB03-6.5-7 1	03-Oct-17	22:42:28
32	171003M2_33	1701342-01 JFOSS-10-SW01-092517 0.125	03-Oct-17	22:53:14

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171003M2_34	1701342-02 JFOSS-11-SW01-092517 0.125	03-Oct-17	23:04:01
34	171003M2_35	1701342-03 JFOSS-12-SW01-092517 0.125	03-Oct-17	23:14:47
35	171003M2_36	IPA	03-Oct-17	23:25:26
36	171003M2_37	ST171003M2-3 PFC CS3 17I2915	03-Oct-17	23:36:04
37	171003M2_38	IPA	03-Oct-17	23:46:51
38	171003M2_39	1701342-08 JFOSS-GW-TW04-092617 0.125	03-Oct-17	23:57:29
39	171003M2_40	1701342-09@20X JFOSS-GW-TW10-092617 ...	04-Oct-17	00:08:16
40	171003M2_41	IPA	04-Oct-17	00:19:02
41	171003M2_42	1701342-09 JFOSS-GW-TW10-092617 0.125	04-Oct-17	00:29:40
42	171003M2_43	IPA	04-Oct-17	00:40:31
43	171003M2_44	1701342-10 JFOSS-GW-TW11-092617 0.125	04-Oct-17	00:51:19
44	171003M2_45	1701342-11 JFOSS-GW-TW14-092617 0.125	04-Oct-17	01:02:00
45	171003M2_46	1701342-18 JFOSS-GW-TW16-092817 0.125	04-Oct-17	01:12:46
46	171003M2_47	1701342-19 JFOSS-GW-TW17-092817 0.125	04-Oct-17	01:23:33
47	171003M2_48	B7J0002-BS1 OPR 0.125	04-Oct-17	01:34:19
48	171003M2_49	B7J0006-BS1 OPR 1	04-Oct-17	01:44:58
49	171003M2_50	B7J0010-BS1 OPR 0.125	04-Oct-17	01:55:44
50	171003M2_51	IPA	04-Oct-17	02:06:26
51	171003M2_52	B7J0002-BLK1 Method Blank 0.125	04-Oct-17	02:17:22
52	171003M2_53	B7J0006-BLK1 Method Blank 1	04-Oct-17	02:28:24
53	171003M2_54	B7J0010-BLK1 Method Blank 0.125	04-Oct-17	02:39:10
54	171003M2_55	1701324-01 TLZP-GW03-17D 0.125	04-Oct-17	02:49:57
55	171003M2_56	1701324-02 TLZP-GW04-17D 0.125	04-Oct-17	03:00:35
56	171003M2_57	B7J0002-MS1 Matrix Spike 0.125	04-Oct-17	03:11:22
57	171003M2_58	B7J0002-MSD1 Matrix Spike Dup 0.125	04-Oct-17	03:22:09
58	171003M2_59	1701324-03 TLZP-GW02-17D 0.125	04-Oct-17	03:32:55
59	171003M2_60	IPA	04-Oct-17	03:43:33
60	171003M2_61	ST171003M2-4 PFC CS0 17I2912	04-Oct-17	03:54:11
61	171003M2_62	IPA	04-Oct-17	04:04:58
62	171003M2_63	1701324-04 TLZP-GW02D-17D 0.125	04-Oct-17	04:15:36
63	171003M2_64	1701324-05 TLZP-GW01-17D 0.125	04-Oct-17	04:26:15
64	171003M2_65	1701324-06 TLZP-GW07-17D 0.125	04-Oct-17	04:36:56
65	171003M2_66	1701324-07 TLZP-GW06-17D 0.125	04-Oct-17	04:47:42
66	171003M2_67	1701324-08 TLZP-GW05-17D 0.125	04-Oct-17	04:58:29
67	171003M2_68	1701324-09 TLZP-EB-092517 0.125	04-Oct-17	05:09:15
68	171003M2_69	1701324-10 TLZP-FB-092517 0.125	04-Oct-17	05:20:02

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

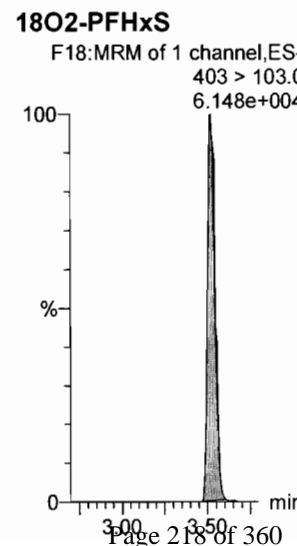
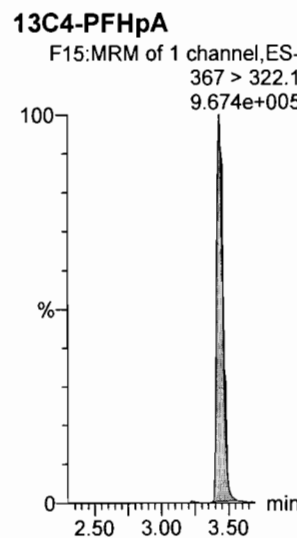
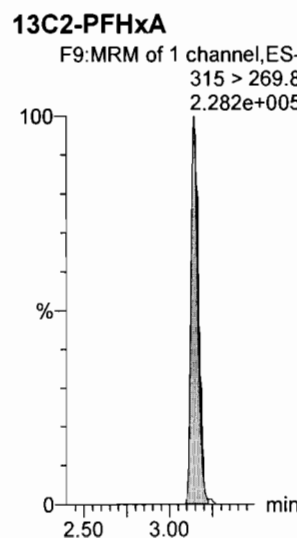
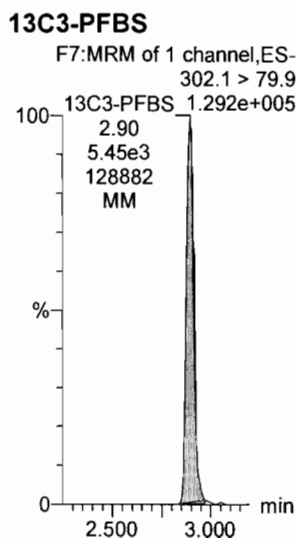
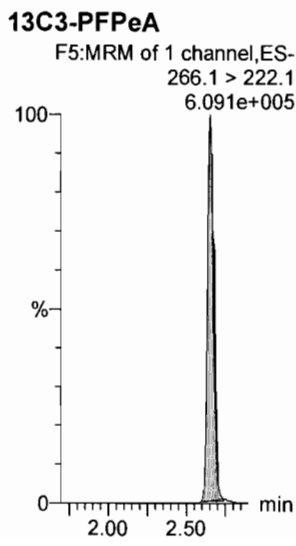
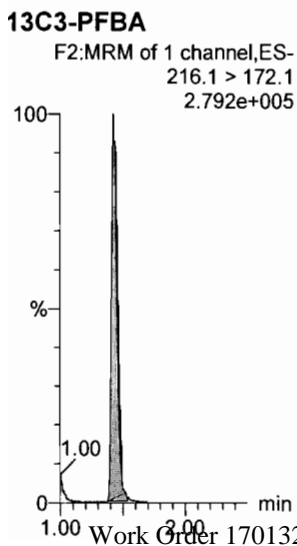
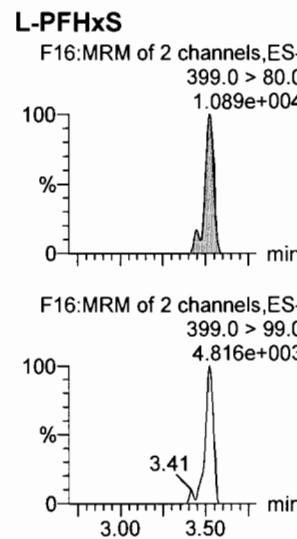
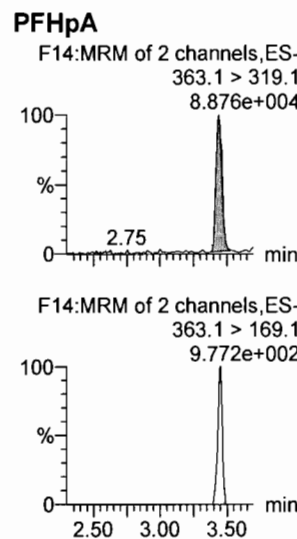
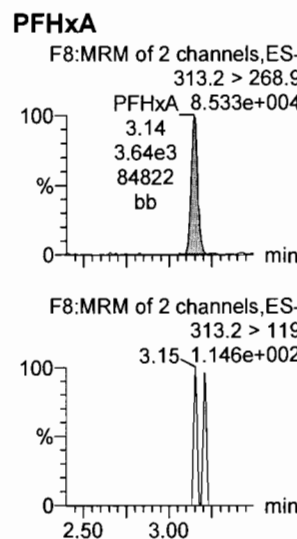
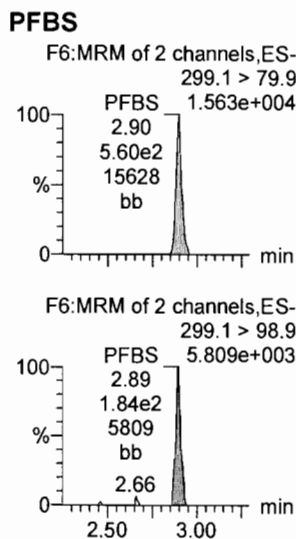
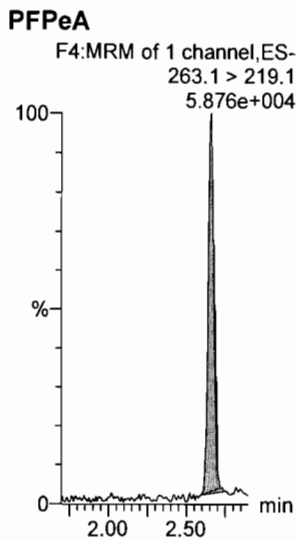
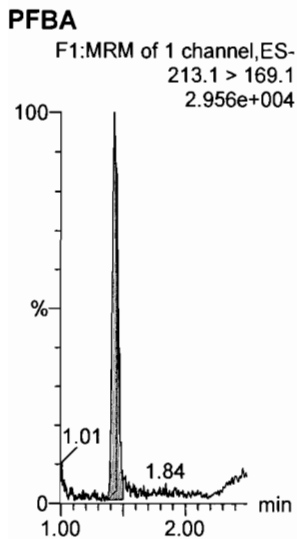
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69	171003M2_70	1701332-01 DWP-PW2 0.125	04-Oct-17	05:30:48
70	171003M2_71	1701332-02 DWP-PW12 0.125	04-Oct-17	05:41:27
71	171003M2_72	1701346-01 GALPAB201 0.125	04-Oct-17	05:52:13
72	171003M2_73	1701346-02 GALP08203 0.125	04-Oct-17	06:02:52
73	171003M2_74	1701175-09 B-G-1 (6-12') 1	04-Oct-17	06:13:38
74	171003M2_75	IPA	04-Oct-17	06:24:16
75	171003M2_76	ST171003M2-5 PFC CS3 17I2915	04-Oct-17	06:35:03
76	171003M2_77	IPA	04-Oct-17	06:45:49
77	171003M2_78	1701175-11 B-F-1 (6-12') 1	04-Oct-17	06:56:28
78	171003M2_79	1701313-01 GPEOR-04-SB02-0.5-1 1	04-Oct-17	07:07:26
79	171003M2_80	B7J0006-MS1 Matrix Spike 1	04-Oct-17	07:19:01
80	171003M2_81	B7J0006-MSD1 Matrix Spike Dup 1	04-Oct-17	07:30:17
81	171003M2_82	1701313-02 GPEOR-04-SB02-14.5-15 1	04-Oct-17	07:40:56
82	171003M2_83	1701313-03 GPEOR-04-SB01-0.5-1 1	04-Oct-17	07:51:34
83	171003M2_84	1701313-04 GPEOR-04-SB01-6-7 1	04-Oct-17	08:02:13
84	171003M2_85	1701313-05 GPEOR-SO-DUP004-091917 1	04-Oct-17	08:12:59
85	171003M2_86	1701313-06 GPEOR-08-SB03-0.5-1 1	04-Oct-17	08:23:37
86	171003M2_87	1701313-07 GPEOR-08-SB03-14.5-15 1	04-Oct-17	08:35:34
87	171003M2_88	1701313-08 GPEOR-08-SB01-0.5-1 1	04-Oct-17	08:46:18
88	171003M2_89	1701313-09 GPEOR-08-SB01-14.5-15 1	04-Oct-17	08:57:04
89	171003M2_90	IPA	04-Oct-17	09:07:43
90	171003M2_91	ST171003M2-6 PFC CS3 17I2915	04-Oct-17	09:18:21
91	171003M2_92	IPA	04-Oct-17	09:29:10
92	171003M2_93	RS V3 TEST B	04-Oct-17	09:39:55
93	171003M2_94	CIL 13C8 PFOA TESTER	04-Oct-17	09:50:40
94	171003M2_95	WELL 13C8 PFOA TESTER	04-Oct-17	10:01:27
95	171003M2_96	LCMS MEQH QC LOT D582	04-Oct-17	10:12:06
96	171003M2_97	IPA	04-Oct-17	10:22:54
97	171003M2_98	1701313-10 GPEOR-08-SB02-0.5-1 1	04-Oct-17	10:33:54
98	171003M2_99	1701313-11 GPEOR-08-SB02-14.5-15 1	04-Oct-17	10:44:47
99	171003M2_100	1701313-12 GPEOR-01-SB02-1-1.5 1	04-Oct-17	10:55:43
100	171003M2_101	1701299-01RE1 Air Force Beach Foam 0.00108	04-Oct-17	11:06:38
101	171003M2_102	IPA	04-Oct-17	11:18:22
102	171003M2_103	ST171003M2-7 PFC CS3 17I2915	04-Oct-17	11:29:17

Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

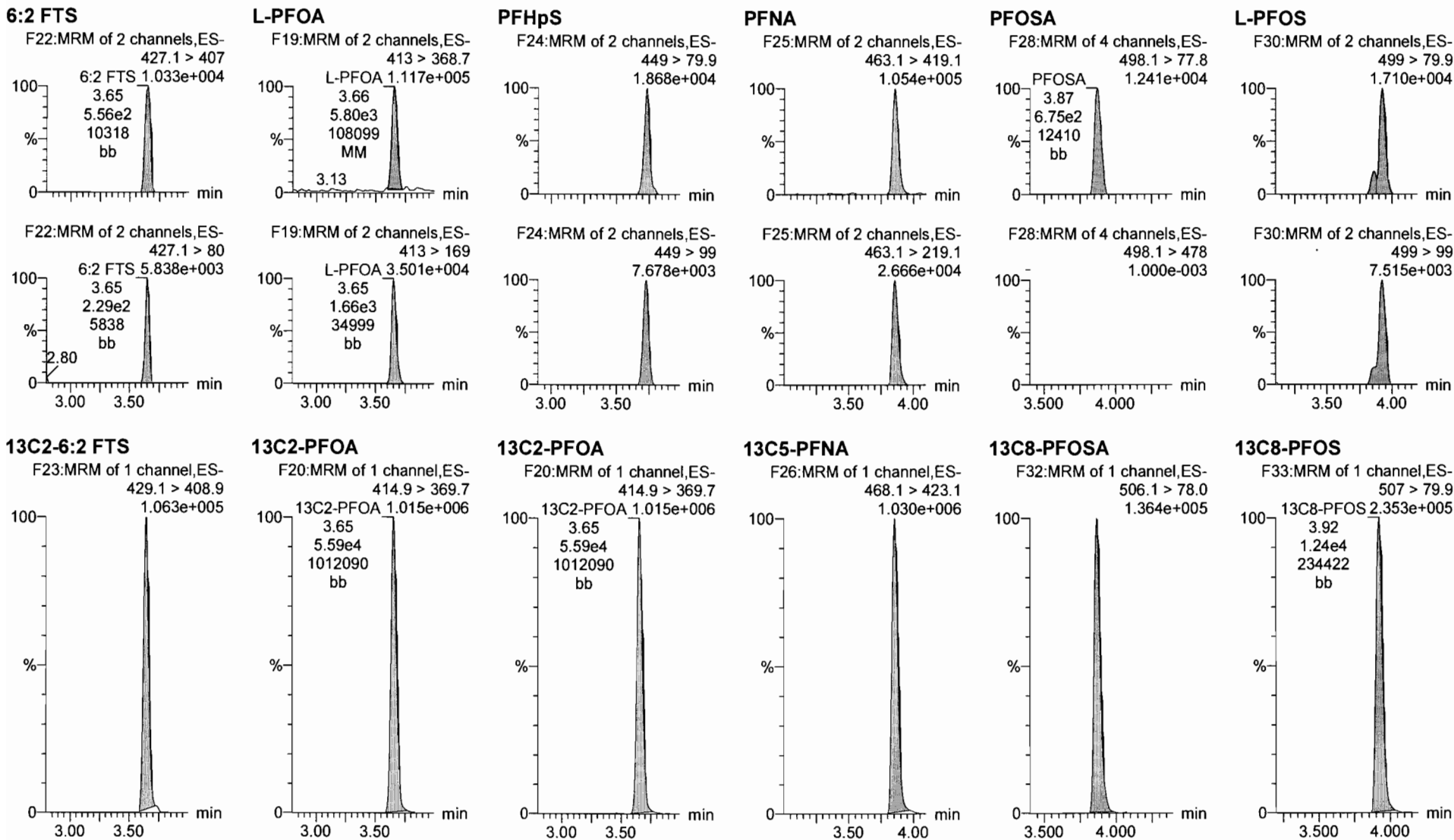
Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 1712912, Description: PFC CS0 1712912



Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 17I2912, Description: PFC CS0 17I2912

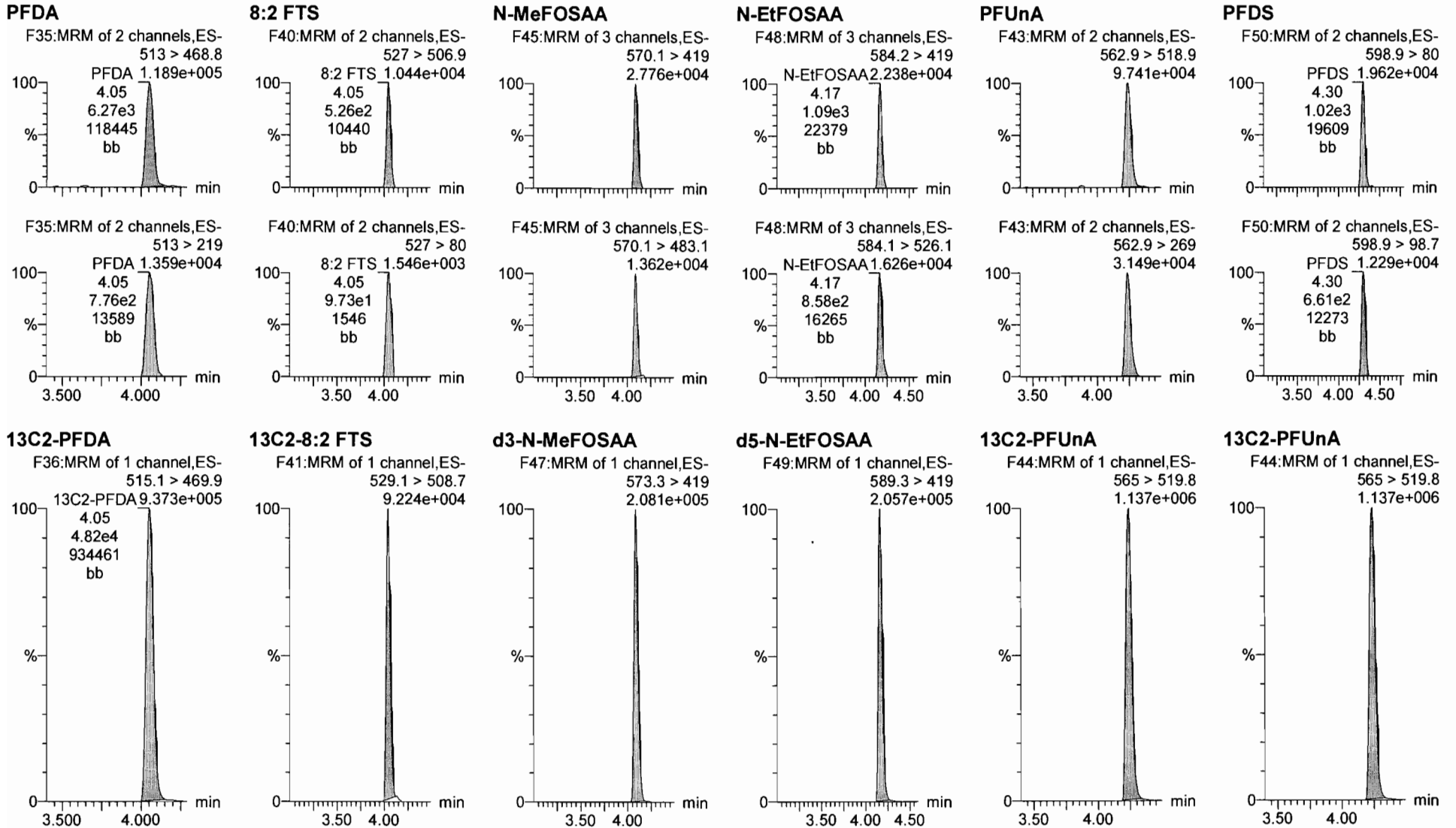


Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 1712912, Description: PFC CS0 1712912



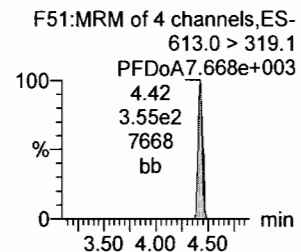
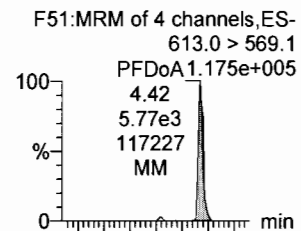
Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time

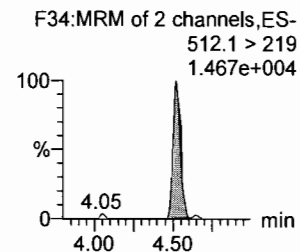
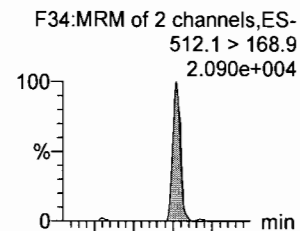
Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 17I2912, Description: PFC CS0 17I2912

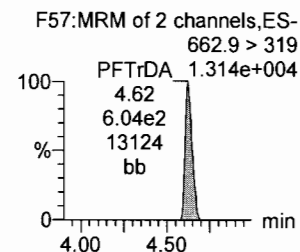
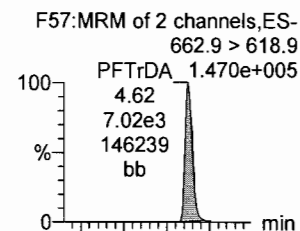
PFDoA



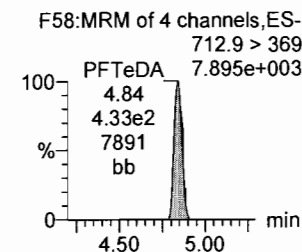
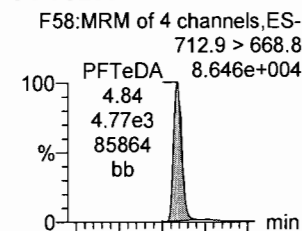
N-MeFOSA



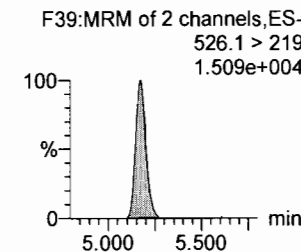
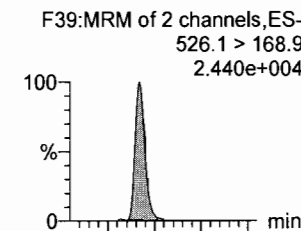
PFTrDA



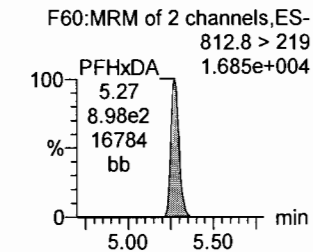
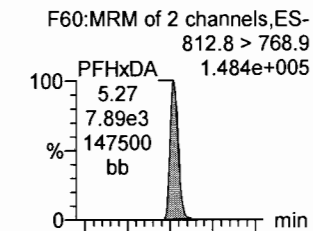
PFTeDA



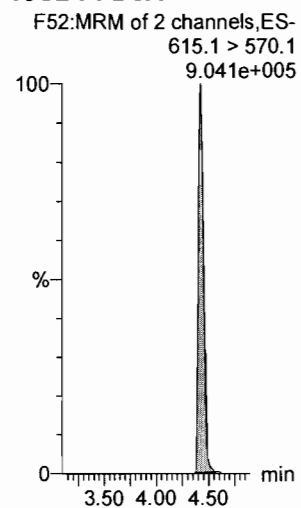
N-EtFOSA



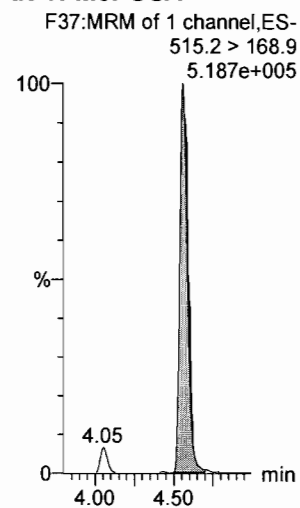
PFHxDA



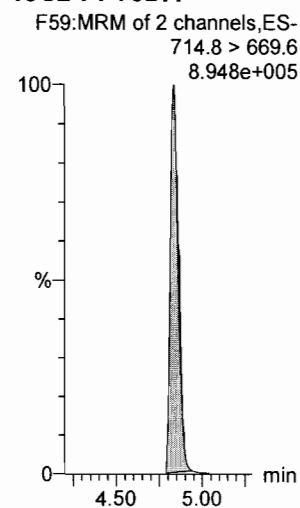
13C2-PFDoA



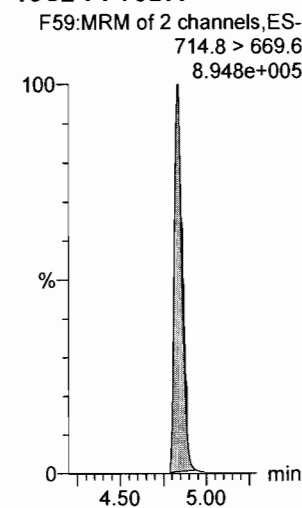
d3-N-MeFOSA



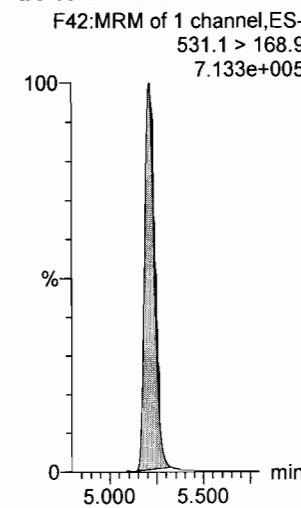
13C2-PFTeDA



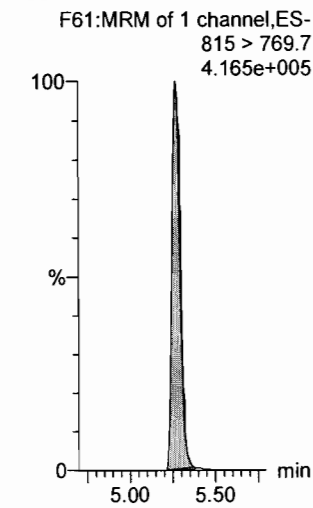
13C2-PFTeDA



d5-N-ETFOSA



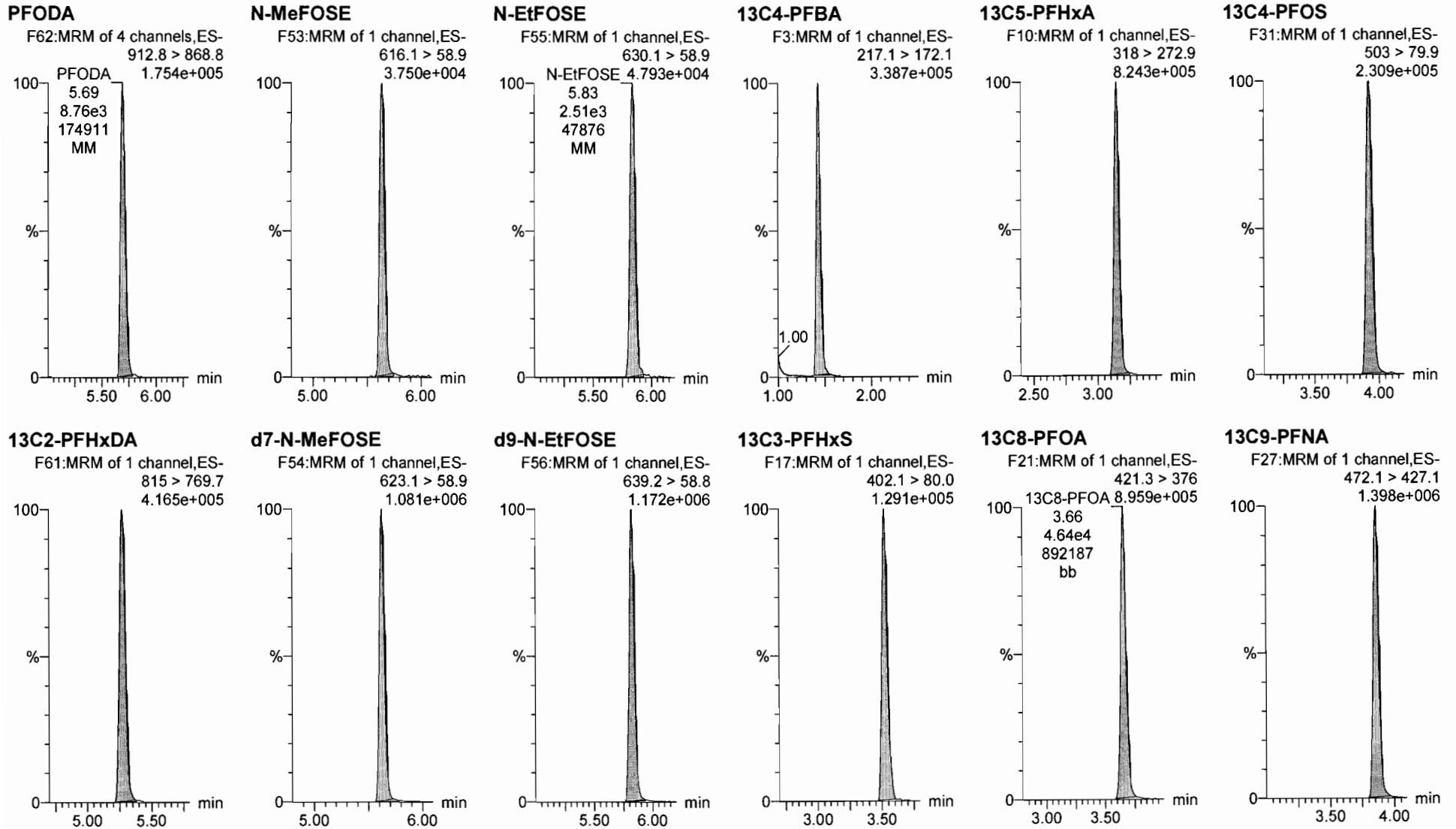
13C2-PFHxDA



Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 1712912, Description: PFC CS0 1712912



Dataset: U:\Q4.PRO\results\171003M2\171003M2-61.qld

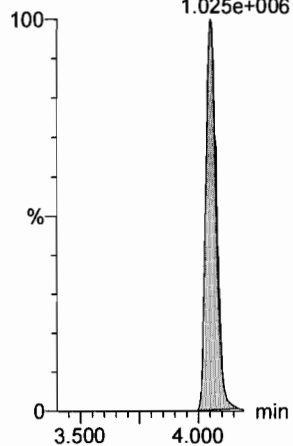
Last Altered: Wednesday, October 04, 2017 08:10:57 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:11:10 Pacific Daylight Time

Name: 171003M2_61, Date: 04-Oct-2017, Time: 03:54:11, ID: ST171003M2-4 PFC CS0 17I2912, Description: PFC CS0 17I2912

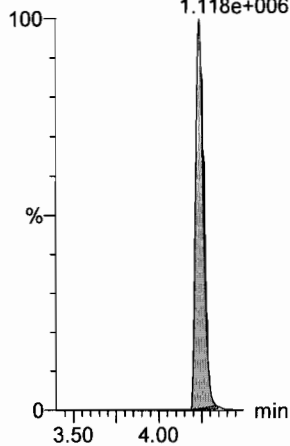
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.025e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.118e+006



Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171003M2_76, Date: 04-Oct-2017, Time: 06:35:03, ID: ST171003M2-5 PFC CS3 1712915, Description: PFC CS3 1712915

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.1 > 169.1	1.24e4	1.41e4		1.39	1.43	10.9	9.61	96.1
2	2 PFPeA	263.1 > 219.1	2.13e4	2.55e4		2.46	2.66	10.5	10.2	101.5
3	3 PFBS	299.1 > 79.9	4.89e3	5.27e3		2.88	2.89	11.6	11.1	111.1
4	4 PFHxA	313.2 > 268.9	3.13e4	9.58e3		3.04	3.15	16.3	10.5	104.9
5	5 PFHpA	363.1 > 319.1	4.14e4	5.12e4		3.33	3.44	10.1	10.2	101.6
6	6 L-PFHxS	399.0 > 80.0	5.89e3	3.31e3		3.41	3.52	22.2	9.36	93.6
7	8 6:2 FTS	427.1 > 407	5.50e3	6.26e3		3.54	3.65	11.0	8.76	87.6
8	9 L-PFOA	413 > 368.7	4.78e4	5.75e4		3.54	3.66	10.4	10.1	100.9
9	11 PFHpS	449 > 79.9	8.17e3	5.75e4		3.60	3.73	1.77	9.16	91.6
10	12 PFNA	463.1 > 419.1	5.07e4	5.32e4		3.72	3.86	11.9	10.8	108.2
11	13 PFOSA	498.1 > 77.8	5.76e3	6.22e3		3.87	3.87	11.6	10.2	102.1
12	14 L-PFOS	499 > 79.9	9.81e3	1.14e4		3.77	3.92	10.8	8.63	86.3
13	16 PFDA	513 > 468.8	5.12e4	4.27e4		3.89	4.06	15.0	10.6	106.5
14	17 8:2 FTS	527 > 506.9	5.50e3	4.50e3		4.05	4.05	15.3	9.53	95.3
15	18 N-MeFOSAA	570.1 > 419	1.22e4	9.13e3		3.92	4.09	217	10.9	109.4
16	19 N-EiFOSAA	584.2 > 419	9.77e3	1.08e4		3.99	4.17	147	9.49	94.9
17	20 PFUnA	562.9 > 518.9	4.16e4	5.33e4		4.04	4.24	9.78	9.67	96.7
18	21 PFDS	598.9 > 80	9.23e3	5.33e4		4.08	4.30	2.17	9.15	91.5
19	22 PFDaA	613.0 > 569.1	5.58e4	5.70e4		4.45	4.42	12.2	11.0	110.4
20	23 N-MeFOSA	512.1 > 168.9	1.01e4	2.78e4		4.50	4.52	54.6	44.6	89.3
21	24 PFTrDA	662.9 > 618.9	6.14e4	5.70e4		4.66	4.62	13.5	9.79	97.9
22	25 PFTeDA	712.9 > 668.8	4.21e4	4.58e4		4.88	4.84	11.5	8.95	89.5
23	26 N-EiFOSA	526.1 > 168.9	1.27e4	4.07e4		5.18	5.17	47.0	46.8	93.6
24	27 PFHxDA	812.8 > 768.9	6.61e4	2.23e4		5.32	5.27	14.9	9.32	93.2
25	28 PFODA	912.8 > 868.8	7.53e4	2.23e4		5.75	5.68	16.9	9.04	90.4
26	29 N-MeFOSE	616.1 > 58.9	1.96e4	5.58e4		5.43	5.63	52.6	52.0	104.1
27	30 N-EiFOSE	630.1 > 58.9	2.19e4	5.65e4		5.60	5.83	58.1	51.5	102.9
28	31 13C3-PFBA	216.1 > 172.1	1.41e4	1.63e4	0.878	1.42	1.43	10.8	12.3	98.8
29	32 13C3-PFPeA	266.1 > 222.1	2.55e4	3.25e4	0.231	2.46	2.66	3.91	16.9	135.5
30	33 13C3-PFBS	302.1 > 79.9	5.27e3	3.25e4	0.051	2.88	2.89	0.810	16.0	127.9
31	Work 315 > 269.8	315 > 269.8	9.58e3	3.25e4	0.275	3.04	3.15	1.47	5.36	107.3

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Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

Name: 171003M2_76, Date: 04-Oct-2017, Time: 06:35:03, ID: ST171003M2-5 PFC CS3 17I2915, Description: PFC CS3 17I2915

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367 > 322.1	5.12e4	3.25e4	0.558	3.33	3.44	7.88	14.1	112.9
33	36 18O2-PFHxS	403 > 103.0	3.31e3	6.46e3	0.490	3.41	3.52	6.42	13.1	104.8
34	37 13C2-6:2 FTS	429.1 > 408.9	6.26e3	4.75e4	0.146	3.54	3.64	1.65	11.3	90.2
35	38 13C2-PFOA	414.9 > 369.7	5.75e4	4.75e4	1.152	3.54	3.66	15.1	13.1	105.2
36	39 13C5-PFNA	468.1 > 423.1	5.32e4	6.69e4	0.857	3.72	3.86	9.95	11.6	92.8
37	40 13C8-PFOSA	506.1 > 78.0	6.22e3	5.58e4	0.136	3.87	3.87	1.39	10.2	81.7
38	41 13C8-PFOS	507 > 79.9	1.14e4	1.21e4	0.990	3.77	3.92	11.7	11.9	94.9
39	42 13C2-PFDA	515.1 > 469.9	4.27e4	5.56e4	0.882	3.89	4.06	9.59	10.9	87.0
40	43 13C2-8:2 FTS	529.1 > 508.7	4.50e3	5.56e4	0.105	4.05	4.05	1.01	9.67	77.3
41	44 d3-N-MeFOSAA	573.3 > 419	9.13e3	5.58e4	0.015	3.92	4.09	2.04	140	86.3
42	45 d5-N-EtFOSAA	589.3 > 419	1.08e4	5.58e4	0.015	3.99	4.16	2.41	158	96.9
43	46 13C2-PFUnA	565 > 519.8	5.33e4	5.58e4	0.943	4.04	4.24	11.9	12.6	101.2
44	47 13C2-PFDoA	615.1 > 570.1	5.70e4	5.58e4	0.951	4.45	4.42	12.8	13.4	107.4
45	48 d3-N-MeFOSA	515.2 > 168.9	2.78e4	5.58e4	0.051	4.50	4.56	6.23	121	80.7
46	49 13C2-PFTeDA	714.8 > 669.6	4.58e4	5.58e4	0.728	4.88	4.83	10.3	14.1	112.8
47	50 d5-N-ETFOSA	531.1 > 168.9	4.07e4	5.58e4	0.080	5.18	5.21	9.11	114	75.8
48	51 13C2-PFHxDA	815 > 769.7	2.23e4	5.58e4	0.918	5.32	5.27	4.98	5.43	108.6
49	52 d7-N-MeFOSE	623.1 > 58.9	5.58e4	5.58e4	0.111	5.43	5.62	12.5	113	75.4
50	53 d9-N-EtFOSE	639.2 > 58.8	5.65e4	5.58e4	0.113	5.60	5.81	12.7	112	74.6
51	54 13C4-PFBA	217.1 > 172.1	1.63e4	1.63e4	1.000	1.27	1.43	12.5	12.5	100.0
52	55 13C5-PFHxA	318 > 272.9	3.25e4	3.25e4	1.000	3.04	3.15	5.00	5.00	100.0
53	56 13C3-PFHxS	402.1 > 80.0	6.46e3	6.46e3	1.000	3.41	3.52	12.5	12.5	100.0
54	57 13C8-PFOA	421.3 > 376	4.75e4	4.75e4	1.000	3.54	3.66	12.5	12.5	100.0
55	58 13C9-PFNA	472.1 > 427.1	6.69e4	6.69e4	1.000	3.72	3.87	12.5	12.5	100.0
56	59 13C4-PFOS	503 > 79.9	1.21e4	1.21e4	1.000	3.77	3.92	12.5	12.5	100.0
57	60 13C6-PFDA	519.1 > 473.7	5.56e4	5.56e4	1.000	3.89	4.06	12.5	12.5	100.0
58	61 13C7-PFUnA	570.1 > 524.8	5.58e4	5.58e4	1.000	4.04	4.24	12.5	12.5	100.0

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Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-9-29-17.mdb 29 Sep 2017 13:29:20

Calibration: 04 Oct 2017 15:15:24 CIG_VAL - PFAS_Q4_10-02-17-F11

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
1	171003M2_2	ST171003M2-1 PFC CS0 17I2912	03-Oct-17	17:20:26
2	171003M2_3	IPA	03-Oct-17	17:31:04
3	171003M2_4	SYRINGE TESTER	03-Oct-17	17:41:54
4	171003M2_5	IPA	03-Oct-17	17:52:38
5	171003M2_6	B7I0162-BLK1 Method Blank 1	03-Oct-17	18:03:24
6	171003M2_7	B7I0162-MS1 Matrix Spike 1	03-Oct-17	18:14:02
7	171003M2_8	B7I0162-MSD1 Matrix Spike Dup 1	03-Oct-17	18:24:49
8	171003M2_9	B7J0001-MS1 Matrix Spike 0.125	03-Oct-17	18:35:35
9	171003M2_10	B7J0001-MSD1 Matrix Spike Dup 0.125	03-Oct-17	18:46:14
10	171003M2_11	B7J0001-MS2 Matrix Spike 0.125	03-Oct-17	18:57:00
11	171003M2_12	B7J0001-MSD2 Matrix Spike Dup 0.125	03-Oct-17	19:07:49
12	171003M2_13	1701312-01 GPEOR-05-SB01-0.5-1 1	03-Oct-17	19:18:33
13	171003M2_14	1701312-02 GPEOR-05-SB01-12.5-13 1	03-Oct-17	19:29:12
14	171003M2_15	1701312-03 GPEOR-05-SB02-0.5-1 1	03-Oct-17	19:39:58
15	171003M2_16	1701312-04 GPEOR-05-SB02-4.5-5 1	03-Oct-17	19:50:44
16	171003M2_17	1701312-05 GPEOR-05-SB03-0.5-1 1	03-Oct-17	20:01:31
17	171003M2_18	1701312-07 GPEOR-07-SB03-1-1.5 1	03-Oct-17	20:12:11
18	171003M2_19	1701312-08 GPEOR-07-SB03-14.5-15 1	03-Oct-17	20:22:56
19	171003M2_20	1701312-09 GPEOR-07-SB01-1-1.5 1	03-Oct-17	20:33:34
20	171003M2_21	1701312-10 GPEOR-07-SB01-11.5-12 1	03-Oct-17	20:44:13
21	171003M2_22	1701312-11 GPEOR-07-SB02-1.5-2 1	03-Oct-17	20:54:59
22	171003M2_23	IPA	03-Oct-17	21:05:38
23	171003M2_24	ST171003M2-2 PFC CS3 17I2915	03-Oct-17	21:16:24
24	171003M2_25	IPA	03-Oct-17	21:27:11
25	171003M2_26	1701316-01 GPEOR-SO-DUP001-092017 1	03-Oct-17	21:37:57
26	171003M2_27	1701316-02 GPEOR-SO-DUP002-092017 1	03-Oct-17	21:48:43
27	171003M2_28	1701316-03 GPEOR-SO-DUP005-092017 1	03-Oct-17	21:59:22
28	171003M2_29	1701316-08 GPEOR-06-SB02-0.5-1 1	03-Oct-17	22:10:08
29	171003M2_30	1701316-10 GPEOR-06-SB02-9.5-10 1	03-Oct-17	22:20:55
30	171003M2_31	1701316-11 GPEOR-06-SB03-0.5-1 1	03-Oct-17	22:31:41
31	171003M2_32	1701316-12 GPEOR-06-SB03-6.5-7 1	03-Oct-17	22:42:28
32	171003M2_33	1701342-01 JFOSS-10-SW01-092517 0.125	03-Oct-17	22:53:14

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171003M2_34	1701342-02 JFOSS-11-SW01-092517 0.125	03-Oct-17	23:04:01
34	171003M2_35	1701342-03 JFOSS-12-SW01-092517 0.125	03-Oct-17	23:14:47
35	171003M2_36	IPA	03-Oct-17	23:25:26
36	171003M2_37	ST171003M2-3 PFC CS3 17I2915	03-Oct-17	23:36:04
37	171003M2_38	IPA	03-Oct-17	23:46:51
38	171003M2_39	1701342-08 JFOSS-GW-TW04-092617 0.125	03-Oct-17	23:57:29
39	171003M2_40	1701342-09@20X JFOSS-GW-TW10-092617 ...	04-Oct-17	00:08:16
40	171003M2_41	IPA	04-Oct-17	00:19:02
41	171003M2_42	1701342-09 JFOSS-GW-TW10-092617 0.125	04-Oct-17	00:29:40
42	171003M2_43	IPA	04-Oct-17	00:40:31
43	171003M2_44	1701342-10 JFOSS-GW-TW11-092617 0.125	04-Oct-17	00:51:19
44	171003M2_45	1701342-11 JFOSS-GW-TW14-092617 0.125	04-Oct-17	01:02:00
45	171003M2_46	1701342-18 JFOSS-GW-TW16-092817 0.125	04-Oct-17	01:12:46
46	171003M2_47	1701342-19 JFOSS-GW-TW17-092817 0.125	04-Oct-17	01:23:33
47	171003M2_48	B7J0002-BS1 OPR 0.125	04-Oct-17	01:34:19
48	171003M2_49	B7J0006-BS1 OPR 1	04-Oct-17	01:44:58
49	171003M2_50	B7J0010-BS1 OPR 0.125	04-Oct-17	01:55:44
50	171003M2_51	IPA	04-Oct-17	02:06:26
51	171003M2_52	B7J0002-BLK1 Method Blank 0.125	04-Oct-17	02:17:22
52	171003M2_53	B7J0006-BLK1 Method Blank 1	04-Oct-17	02:28:24
53	171003M2_54	B7J0010-BLK1 Method Blank 0.125	04-Oct-17	02:39:10
54	171003M2_55	1701324-01 TLZP-GW03-17D 0.125	04-Oct-17	02:49:57
55	171003M2_56	1701324-02 TLZP-GW04-17D 0.125	04-Oct-17	03:00:35
56	171003M2_57	B7J0002-MS1 Matrix Spike 0.125	04-Oct-17	03:11:22
57	171003M2_58	B7J0002-MSD1 Matrix Spike Dup 0.125	04-Oct-17	03:22:09
58	171003M2_59	1701324-03 TLZP-GW02-17D 0.125	04-Oct-17	03:32:55
59	171003M2_60	IPA	04-Oct-17	03:43:33
60	171003M2_61	ST171003M2-4 PFC CS0 17I2912	04-Oct-17	03:54:11
61	171003M2_62	IPA	04-Oct-17	04:04:58
62	171003M2_63	1701324-04 TLZP-GW02D-17D 0.125	04-Oct-17	04:15:36
63	171003M2_64	1701324-05 TLZP-GW01-17D 0.125	04-Oct-17	04:26:15
64	171003M2_65	1701324-06 TLZP-GW07-17D 0.125	04-Oct-17	04:36:56
65	171003M2_66	1701324-07 TLZP-GW06-17D 0.125	04-Oct-17	04:47:42
66	171003M2_67	1701324-08 TLZP-GW05-17D 0.125	04-Oct-17	04:58:29
67	171003M2_68	1701324-09 TLZP-EB-092517 0.125	04-Oct-17	05:09:15
68	171003M2_69	1701324-10 TLZP-FB-092517 0.125	04-Oct-17	05:20:02

Work Order 1701324

Dataset: Untitled

Last Altered: Wednesday, October 04, 2017 15:15:24 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 15:39:51 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
69	171003M2_70	1701332-01 DWP-PW2 0.125	04-Oct-17	05:30:48
70	171003M2_71	1701332-02 DWP-PW12 0.125	04-Oct-17	05:41:27
71	171003M2_72	1701346-01 GALPAB201 0.125	04-Oct-17	05:52:13
72	171003M2_73	1701346-02 GALP08203 0.125	04-Oct-17	06:02:52
73	171003M2_74	1701175-09 B-G-1 (6-12') 1	04-Oct-17	06:13:38
74	171003M2_75	IPA	04-Oct-17	06:24:16
75	171003M2_76	ST171003M2-5 PFC CS3 17I2915	04-Oct-17	06:35:03
76	171003M2_77	IPA	04-Oct-17	06:45:49
77	171003M2_78	1701175-11 B-F-1 (6-12') 1	04-Oct-17	06:56:28
78	171003M2_79	1701313-01 GPEOR-04-SB02-0.5-1 1	04-Oct-17	07:07:26
79	171003M2_80	B7J0006-MS1 Matrix Spike 1	04-Oct-17	07:19:01
80	171003M2_81	B7J0006-MSD1 Matrix Spike Dup 1	04-Oct-17	07:30:17
81	171003M2_82	1701313-02 GPEOR-04-SB02-14.5-15 1	04-Oct-17	07:40:56
82	171003M2_83	1701313-03 GPEOR-04-SB01-0.5-1 1	04-Oct-17	07:51:34
83	171003M2_84	1701313-04 GPEOR-04-SB01-6-7 1	04-Oct-17	08:02:13
84	171003M2_85	1701313-05 GPEOR-SO-DUP004-091917 1	04-Oct-17	08:12:59
85	171003M2_86	1701313-06 GPEOR-08-SB03-0.5-1 1	04-Oct-17	08:23:37
86	171003M2_87	1701313-07 GPEOR-08-SB03-14.5-15 1	04-Oct-17	08:35:34
87	171003M2_88	1701313-08 GPEOR-08-SB01-0.5-1 1	04-Oct-17	08:46:18
88	171003M2_89	1701313-09 GPEOR-08-SB01-14.5-15 1	04-Oct-17	08:57:04
89	171003M2_90	IPA	04-Oct-17	09:07:43
90	171003M2_91	ST171003M2-6 PFC CS3 17I2915	04-Oct-17	09:18:21
91	171003M2_92	IPA	04-Oct-17	09:29:10
92	171003M2_93	RS V3 TEST B	04-Oct-17	09:39:55
93	171003M2_94	CIL 13C8 PFOA TESTER	04-Oct-17	09:50:40
94	171003M2_95	WELL 13C8 PFOA TESTER	04-Oct-17	10:01:27
95	171003M2_96	LCMS MEOH QC LOT D582	04-Oct-17	10:12:06
96	171003M2_97	IPA	04-Oct-17	10:22:54
97	171003M2_98	1701313-10 GPEOR-08-SB02-0.5-1 1	04-Oct-17	10:33:54
98	171003M2_99	1701313-11 GPEOR-08-SB02-14.5-15 1	04-Oct-17	10:44:47
99	171003M2_100	1701313-12 GPEOR-01-SB02-1-1.5 1	04-Oct-17	10:55:43
100	171003M2_101	1701299-01RE1 Air Force Beach Foam 0.00108	04-Oct-17	11:06:38
101	171003M2_102	IPA	04-Oct-17	11:18:22
102	171003M2_103	ST171003M2-7 PFC CS3 17I2915	04-Oct-17	11:29:17

Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time

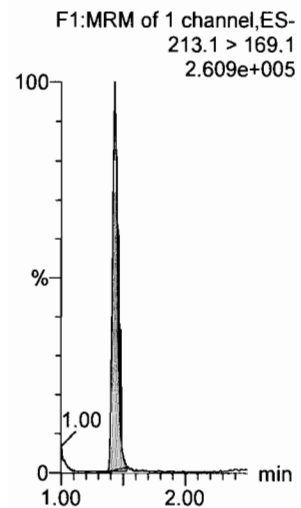
Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 03 Oct 2017 15:02:06

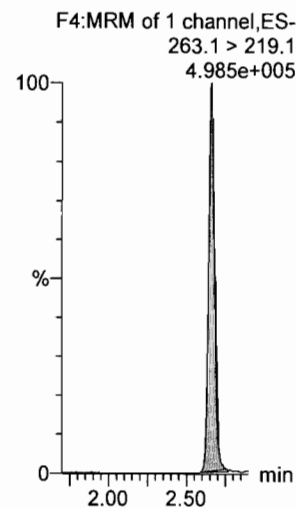
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Name: 171003M2_76, Date: 04-Oct-2017, Time: 06:35:03, ID: ST171003M2-5 PFC CS3 17I2915, Description: PFC CS3 17I2915

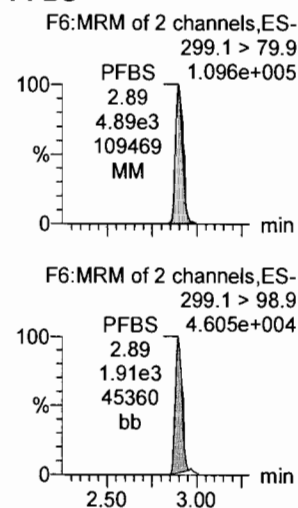
PFBA



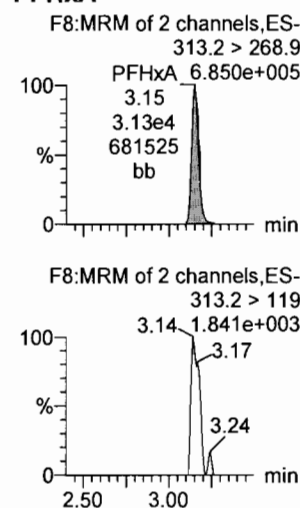
PFPeA



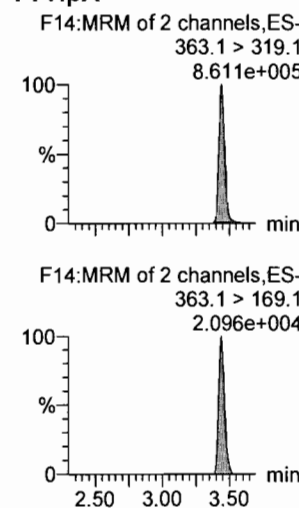
PFBS



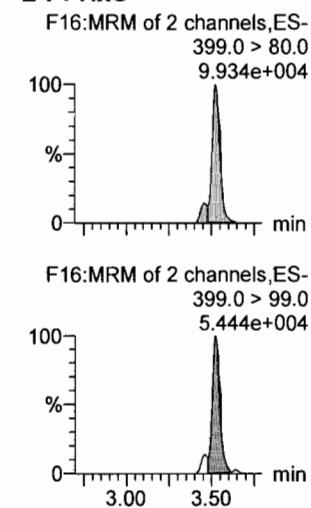
PFHxA



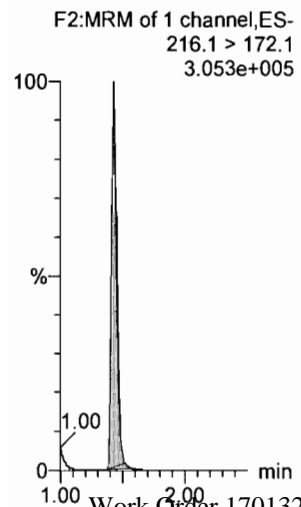
PFHpA



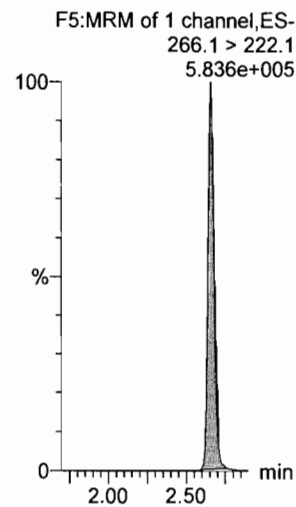
L-PFHxS



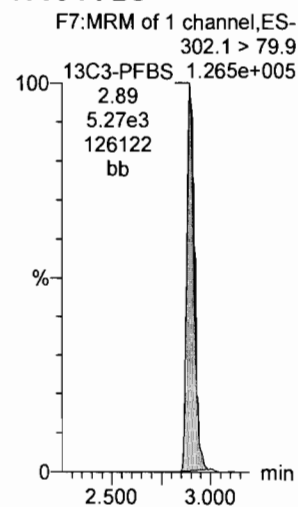
13C3-PFBA



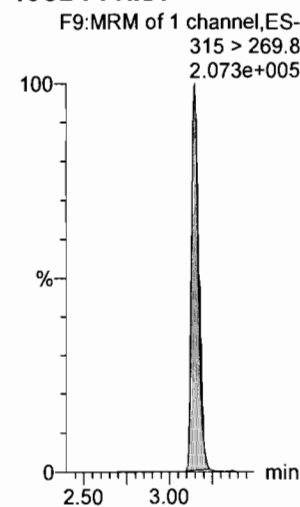
13C3-PFPeA



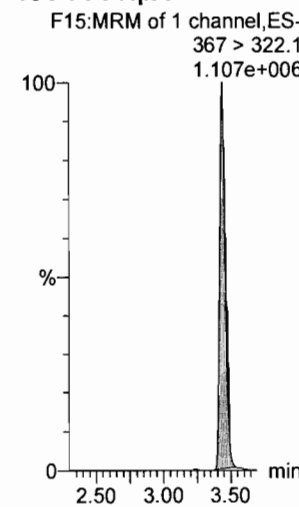
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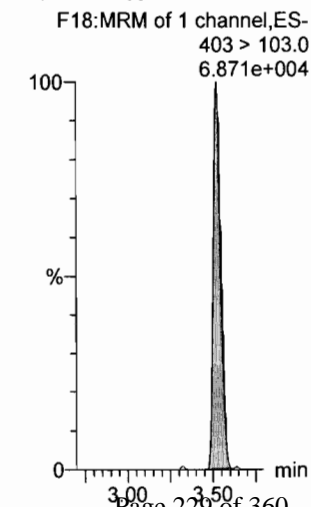
13C2-PFHxA



13C4-PFHpA



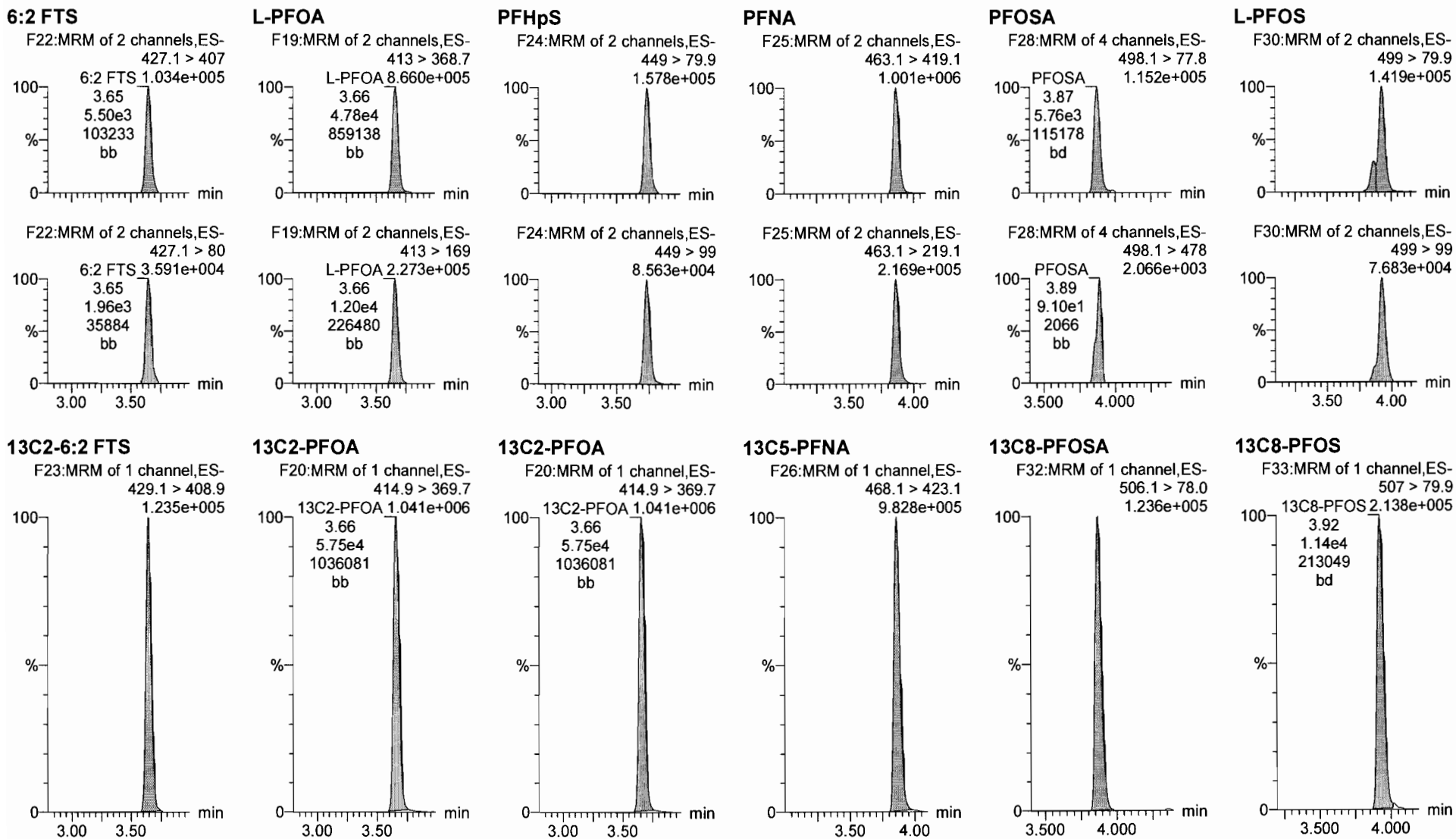
18O2-PFHxS



Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

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Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

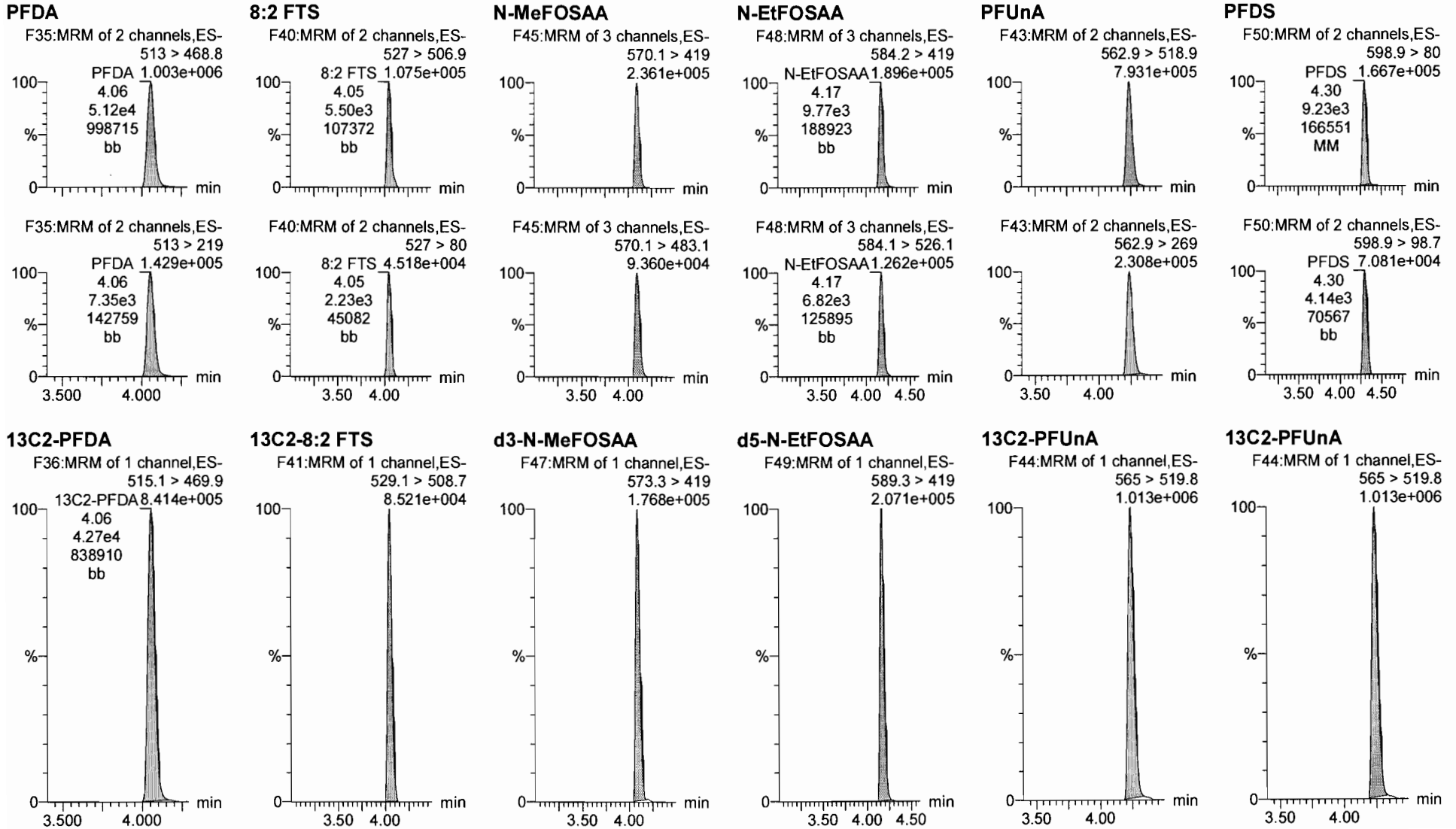
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Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

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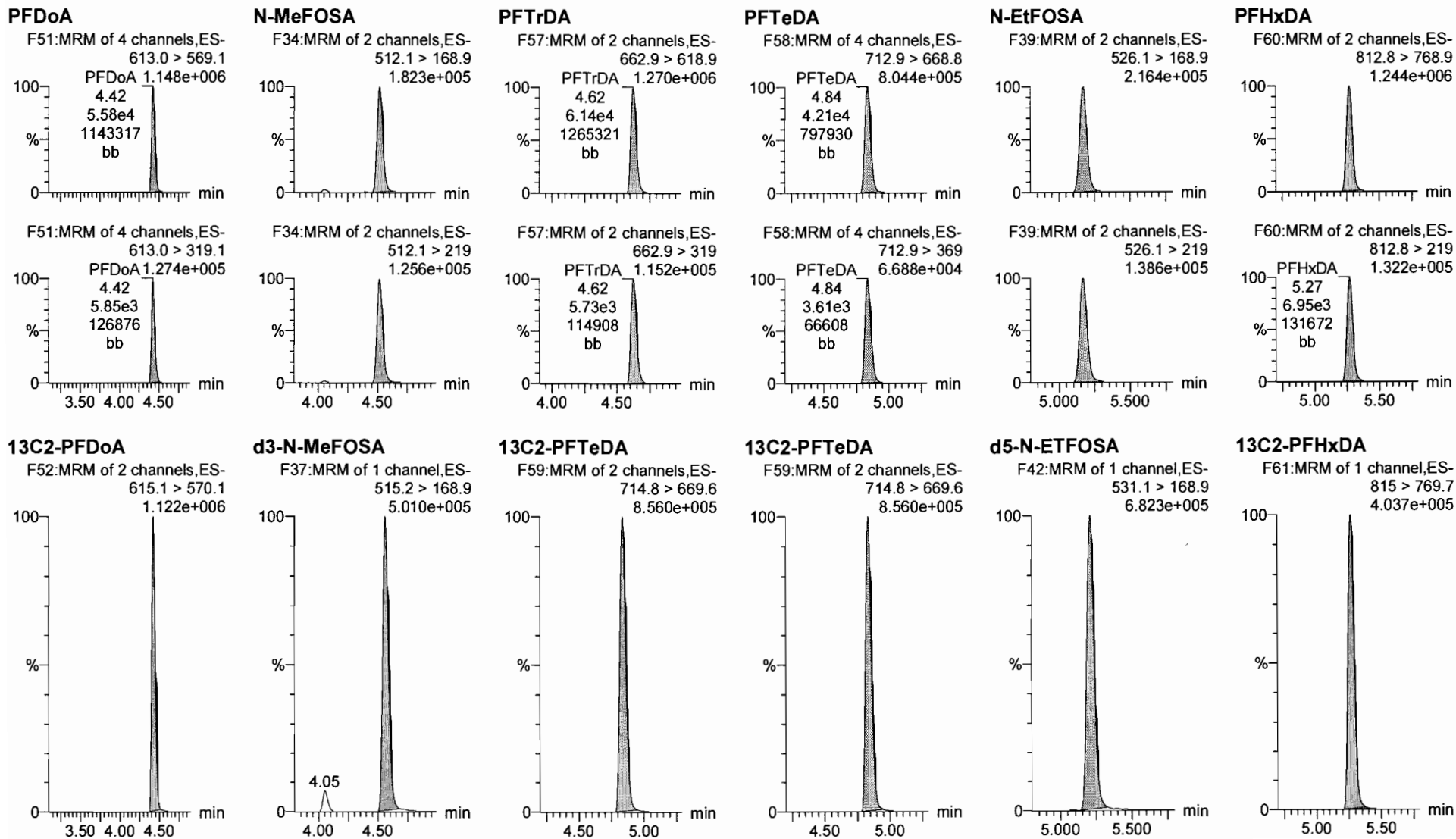


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Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time

Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

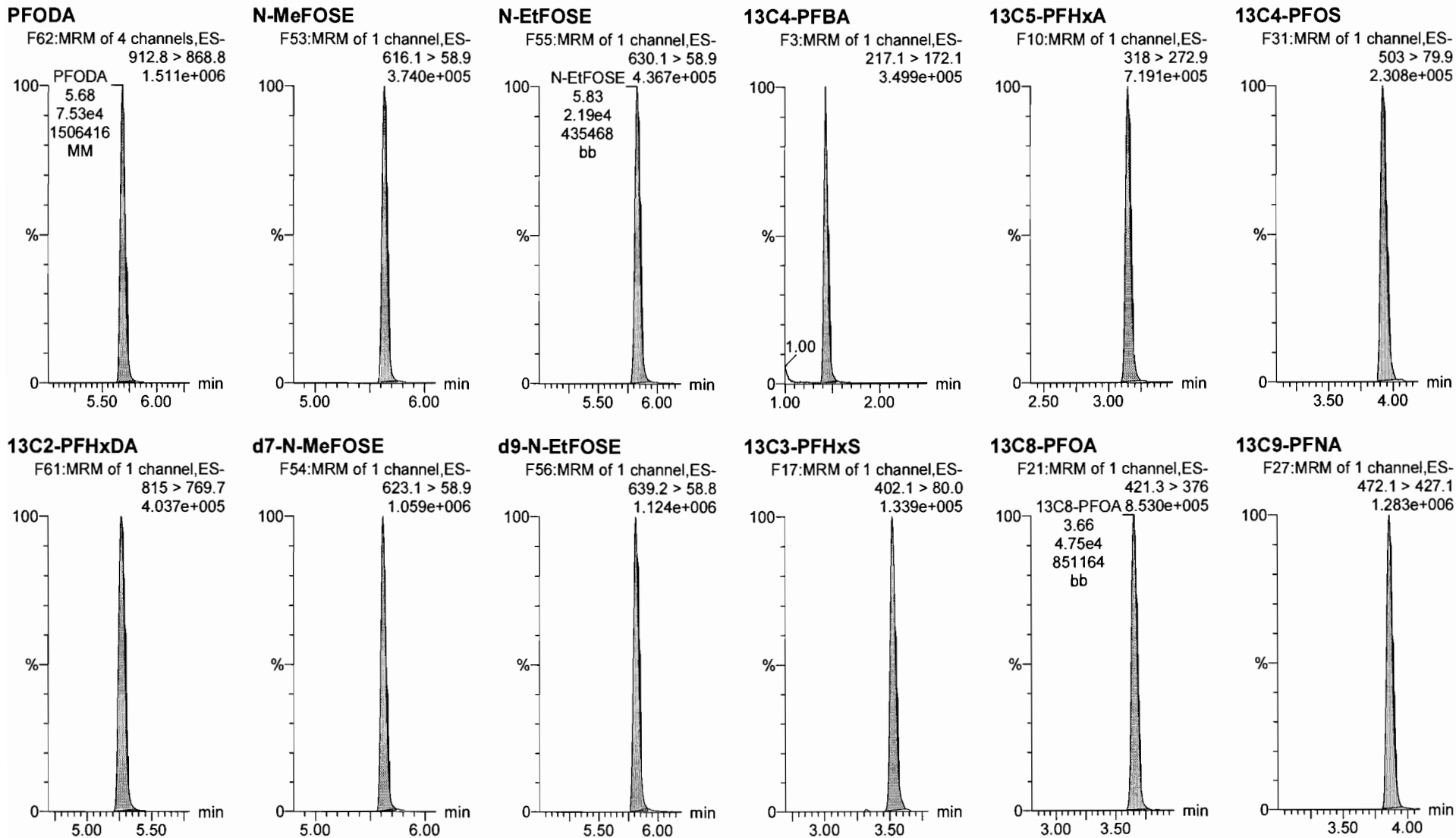
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Last Altered: Wednesday, October 04, 2017 08:49:56 Pacific Daylight Time
Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

Name: 171003M2_76, Date: 04-Oct-2017, Time: 06:35:03, ID: ST171003M2-5 PFC CS3 1712915, Description: PFC CS3 1712915



Dataset: U:\Q4.PRO\results\171003M2\171003M2-76.qld

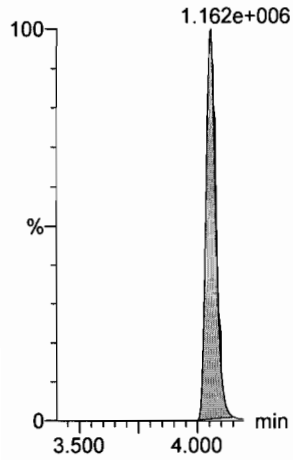
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Printed: Wednesday, October 04, 2017 08:50:28 Pacific Daylight Time

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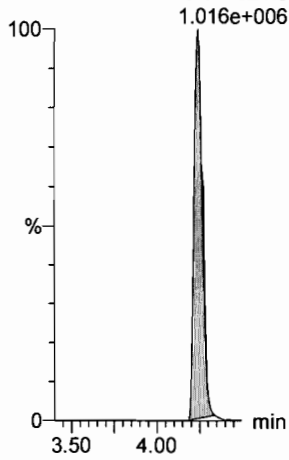
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8



INITIAL CALIBRATION (ICAL)
INCLUDING ASSOCIATED
INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:20:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

am 10/2/17
am 10/3/17
JVA 10/03/2017

Compound name: PFBA

Coefficient of Determination: R² = 0.999209

Calibration curve: -0.000305131 * x² + 1.13877 * x + 0.0314081

Response type: Internal Std (Ref 31), 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	171002M3_2	Standard	0.250	1.43	488.143	17453.553	0.350	0.3	11.8	NO	0.999	NO	MM
2	171002M3_3	Standard	0.500	1.42	937.409	20179.463	0.581	0.5	-3.5	NO	0.999	NO	MM
3	171002M3_4	Standard	1.000	1.43	1939.386	20016.182	1.211	1.0	3.6	NO	0.999	NO	MM
4	171002M3_5	Standard	2.000	1.43	3446.677	17227.539	2.501	2.2	8.5	NO	0.999	NO	MM
5	171002M3_6	Standard	5.000	1.44	8429.729	20210.666	5.214	4.6	-8.9	NO	0.999	NO	MM
6	171002M3_7	Standard	10.000	1.43	17450.701	19830.076	11.000	9.7	-3.4	NO	0.999	NO	MM
7	171002M3_8	Standard	50.000	1.43	85682.375	18062.666	59.295	52.8	5.6	NO	0.999	NO	MM
8	171002M3_9	Standard	100.000	1.43	165701.234	19218.430	107.775	97.1	-2.9	NO	0.999	NO	MM
9	171002M3_10	Standard	250.000	1.43	366479.188	17202.762	266.294	250.6	0.3	NO	0.999	NO	MM

Compound name: PFPeA

Correlation coefficient: r = 0.998015, r² = 0.996033

Calibration curve: 1.02158 * x + 0.0803883

Response type: Internal Std (Ref 32), 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	171002M3_2	Standard	0.250	2.65	669.425	28623.416	0.292	0.2	-17.0	NO	0.996	NO	MM
2	171002M3_3	Standard	0.500	2.65	1508.016	35759.270	0.527	0.4	-12.5	NO	0.996	NO	MM
3	171002M3_4	Standard	1.000	2.66	3125.860	33217.914	1.176	1.1	7.3	NO	0.996	NO	bb
4	171002M3_5	Standard	2.000	2.66	5626.213	30179.080	2.330	2.2	10.1	NO	0.996	NO	MM
5	171002M3_6	Standard	5.000	2.66	13902.280	35607.809	4.880	4.7	-6.0	NO	0.996	NO	MM
6	171002M3_7	Standard	10.000	2.66	29738.504	34318.527	10.832	10.5	5.2	NO	0.996	NO	MM
7	171002M3_8	Standard	50.000	2.66	145289.813	30848.637	58.872	57.5	15.1	NO	0.996	NO	bb
8	171002M3_9	Standard	100.000	2.65	271464.750	32637.971	103.968	101.7	1.7	NO	0.996	NO	MM
9	171002M3_10	Standard	250.000	2.66	584905.250	29765.301	245.632	240.4	-3.9	NO	0.996	NO	MM

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time
 Printed: Monday, October 02, 2017 14:20:44 Pacific Daylight Time

Compound name: PFBS

Correlation coefficient: $r = 0.998552$, $r^2 = 0.997107$

Calibration curve: $1.04189 * x + 0.0229287$

Response type: Internal Std (Ref 33), 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	171002M3_2	Standard	0.250	2.88	149.597	6672.583	0.280	0.2	-1.2	NO	0.997	NO	MM
2	171002M3_3	Standard	0.500	2.89	265.223	7906.834	0.419	0.4	-23.9	NO	0.997	NO	bb
3	171002M3_4	Standard	1.000	2.90	710.616	7562.505	1.175	1.1	10.5	NO	0.997	NO	MM
4	171002M3_5	Standard	2.000	2.90	1176.475	6643.746	2.214	2.1	5.1	NO	0.997	NO	bb
5	171002M3_6	Standard	5.000	2.89	3099.846	7573.339	5.116	4.9	-2.2	NO	0.997	NO	MM
6	171002M3_7	Standard	10.000	2.90	6293.771	7503.213	10.485	10.0	0.4	NO	0.997	NO	bb
7	171002M3_8	Standard	50.000	2.90	31923.064	6755.832	59.066	56.7	13.3	NO	0.997	NO	bd
8	171002M3_9	Standard	100.000	2.90	58138.230	6903.154	105.275	101.0	1.0	NO	0.997	NO	bd
9	171002M3_10	Standard	250.000	2.89	124906.992	6184.319	252.467	242.3	-3.1	NO	0.997	NO	MM

Compound name: PFHxA

Correlation coefficient: $r = 0.997543$, $r^2 = 0.995093$

Calibration curve: $1.54397 * x + 0.152112$

Response type: Internal Std (Ref 34), 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	171002M3_2	Standard	0.250	3.14	1266.100	12450.417	0.508	0.2	-7.7	NO	0.995	NO	MM
2	171002M3_3	Standard	0.500	3.14	2830.498	18160.021	0.779	0.4	-18.8	NO	0.995	NO	MM
3	171002M3_4	Standard	1.000	3.14	5724.184	16294.613	1.756	1.0	3.9	NO	0.995	NO	MM
4	171002M3_5	Standard	2.000	3.14	9999.095	14245.573	3.510	2.2	8.7	NO	0.995	NO	MM
5	171002M3_6	Standard	5.000	3.14	23983.967	16292.938	7.360	4.7	-6.6	NO	0.995	NO	MM
6	171002M3_7	Standard	10.000	3.14	56445.848	16707.854	16.892	10.8	8.4	NO	0.995	NO	MM
7	171002M3_8	Standard	50.000	3.14	251030.172	14913.017	84.165	54.4	8.8	NO	0.995	NO	bb
8	171002M3_9	Standard	100.000	3.14	504175.906	15013.961	167.902	108.6	8.6	NO	0.995	NO	bb
9	171002M3_10	Standard	250.000	3.14	1061885.750	14544.989	365.035	236.3	-5.5	NO	0.995	NO	bb

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:20:44 Pacific Daylight Time

Compound name: PFHpA

Correlation coefficient: $r = 0.998692$, $r^2 = 0.997385$

Calibration curve: $0.984142 * x + 0.10429$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	0.250	3.43	2046.830	81288.023	0.315	0.2	-14.5	NO	0.997	NO	MM
2	171002M3_3	Standard	0.500	3.43	3616.517	80385.406	0.562	0.5	-6.9	NO	0.997	NO	bb
3	171002M3_4	Standard	1.000	3.43	7232.345	82152.063	1.100	1.0	1.2	NO	0.997	NO	MM
4	171002M3_5	Standard	2.000	3.43	13412.667	75622.172	2.217	2.1	7.3	NO	0.997	NO	bb
5	171002M3_6	Standard	5.000	3.43	32587.971	81557.313	4.995	5.0	-0.6	NO	0.997	NO	bb
6	171002M3_7	Standard	10.000	3.43	68473.664	83352.039	10.269	10.3	3.3	NO	0.997	NO	bb
7	171002M3_8	Standard	50.000	3.43	313615.844	70266.586	55.790	56.6	13.2	NO	0.997	NO	bb
8	171002M3_9	Standard	100.000	3.43	612056.000	77967.789	98.126	99.6	-0.4	NO	0.997	NO	bb
9	171002M3_10	Standard	250.000	3.43	1275731.375	66534.883	239.673	243.4	-2.6	NO	0.997	NO	bb

Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999471$

Calibration curve: $4.06931e-005 * x^2 + 2.3668 * x + 0.0764598$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	0.250	3.52	305.144	4802.331	0.794	0.3	21.3	NO	0.999	NO	MM
2	171002M3_3	Standard	0.500	3.52	438.154	5095.051	1.075	0.4	-15.6	NO	0.999	NO	bb
3	171002M3_4	Standard	1.000	3.52	1047.416	5023.285	2.606	1.1	6.9	NO	0.999	NO	MM
4	171002M3_5	Standard	2.000	3.52	1806.679	4622.255	4.886	2.0	1.6	NO	0.999	NO	bb
5	171002M3_6	Standard	5.000	3.52	4857.213	5768.392	10.525	4.4	-11.7	NO	0.999	NO	MM
6	171002M3_7	Standard	10.000	3.52	9408.251	5080.628	23.147	9.7	-2.5	NO	0.999	NO	MM
7	171002M3_8	Standard	50.000	3.52	44484.496	4808.059	115.651	48.8	-2.4	NO	0.999	NO	MM
8	171002M3_9	Standard	100.000	3.52	86160.992	4415.546	243.914	102.8	2.8	NO	0.999	NO	MM
9	171002M3_10	Standard	250.000	3.52	176361.516	3722.319	592.243	249.1	-0.3	NO	0.999	NO	MM

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Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

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Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.996999$

Calibration curve: $-0.00438102 * x^2 + 1.30087 * x + -0.070726$

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 171002M3_2	Standard	0.250	3.64	189.027	7318.428	0.323	0.3	21.1	NO	0.997	NO	bb
2	2 171002M3_3	Standard	0.500	3.64	335.083	7317.799	0.572	0.5	-1.0	NO	0.997	NO	MM
3	3 171002M3_4	Standard	1.000	3.64	659.289	6229.998	1.323	1.1	7.5	NO	0.997	NO	MM
4	4 171002M3_5	Standard	2.000	3.64	977.651	5699.218	2.144	1.7	-14.4	NO	0.997	NO	bb
5	5 171002M3_6	Standard	5.000	3.65	3107.456	7077.587	5.488	4.3	-13.3	NO	0.997	NO	bb
6	6 171002M3_7	Standard	10.000	3.64	6807.422	7105.851	11.975	9.6	-4.3	NO	0.997	NO	bb
7	7 171002M3_8	Standard	50.000	3.64	33299.676	7307.715	56.960	53.5	6.9	NO	0.997	NO	bb
8	8 171002M3_9	Standard	100.000	3.65	60208.949	8871.337	84.836	96.9	-3.1	NO	0.997	NO	bb
9	9 171002M3_10	Standard	250.000	3.64	120242.352	10956.948	137.176			NO	0.997	NO	bbXI

Compound name: L-PFOA

Correlation coefficient: $r = 0.997287$, $r^2 = 0.994582$

Calibration curve: $0.99187 * x + 0.369232$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	0.250	3.66	2390.657	52788.352	0.566	0.2	-20.6	NO	0.995	NO	bd
2	2 171002M3_3	Standard	0.500	3.66	3762.076	57593.883	0.817	0.5	-9.8	NO	0.995	NO	bb
3	3 171002M3_4	Standard	1.000	3.66	6417.140	56801.676	1.412	1.1	5.1	NO	0.995	NO	MM
4	4 171002M3_5	Standard	2.000	3.66	10354.273	50108.375	2.583	2.2	11.6	NO	0.995	NO	bb
5	5 171002M3_6	Standard	5.000	3.66	26772.736	65240.496	5.130	4.8	-4.0	NO	0.995	NO	bb
6	6 171002M3_7	Standard	10.000	3.66	47648.215	56615.957	10.520	10.2	2.3	NO	0.995	NO	bb
7	7 171002M3_8	Standard	50.000	3.66	245918.234	51975.781	59.143	59.3	18.5	NO	0.995	NO	bb
8	8 171002M3_9	Standard	100.000	3.66	471866.719	58635.684	100.593	101.0	1.0	NO	0.995	NO	bb
9	9 171002M3_10	Standard	250.000	3.66	1009990.938	53066.754	237.906	239.5	-4.2	NO	0.995	NO	bb

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Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.994335$

Calibration curve: $-0.000183087 * x^2 + 0.195388 * x$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	0.250	3.72	194.425	52788.352	0.046	0.2	-5.7	NO	0.994	NO	bb
2	171002M3_3	Standard	0.500	3.74	546.648	57593.883	0.119	0.6	21.5	NO	0.994	NO	bb
3	171002M3_4	Standard	1.000	3.73	852.927	56801.676	0.188	1.0	-3.8	NO	0.994	NO	bb
4	171002M3_5	Standard	2.000	3.74	1779.392	50108.375	0.444	2.3	13.8	NO	0.994	NO	bb
5	171002M3_6	Standard	5.000	3.74	3879.072	65240.496	0.743	3.8	-23.7	NO	0.994	NO	bb
6	171002M3_7	Standard	10.000	3.73	9096.240	56615.957	2.008	10.4	3.8	NO	0.994	NO	bb
7	171002M3_8	Standard	50.000	3.73	43604.313	51975.781	10.487	56.7	13.4	NO	0.994	NO	MM
8	171002M3_9	Standard	100.000	3.74	76424.883	58635.684	16.292	91.2	-8.8	NO	0.994	NO	bb
9	171002M3_10	Standard	250.000	3.74	160204.688	53066.754	37.737	253.2	1.3	NO	0.994	NO	bb

Compound name: PFNA

Correlation coefficient: $r = 0.998829$, $r^2 = 0.997659$

Calibration curve: $1.08615 * x + 0.149312$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	0.250	3.86	1768.254	53963.648	0.410	0.2	-4.1	NO	0.998	NO	bb
2	171002M3_3	Standard	0.500	3.87	2633.812	50934.531	0.646	0.5	-8.5	NO	0.998	NO	bb
3	171002M3_4	Standard	1.000	3.86	5887.694	58527.805	1.257	1.0	2.0	NO	0.998	NO	bb
4	171002M3_5	Standard	2.000	3.86	9884.964	47385.508	2.608	2.3	13.2	NO	0.998	NO	bb
5	171002M3_6	Standard	5.000	3.87	24625.584	58276.469	5.282	4.7	-5.5	NO	0.998	NO	bb
6	171002M3_7	Standard	10.000	3.87	44809.883	53813.367	10.409	9.4	-5.5	NO	0.998	NO	bb
7	171002M3_8	Standard	50.000	3.86	235006.953	51209.566	57.364	52.7	5.4	NO	0.998	NO	bb
8	171002M3_9	Standard	100.000	3.87	453057.375	48863.863	115.898	106.6	6.6	NO	0.998	NO	bb
9	171002M3_10	Standard	250.000	3.87	981142.375	46757.223	262.297	241.4	-3.5	NO	0.998	NO	bb

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Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

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Compound name: PFOSA

Correlation coefficient: $r = 0.998942$, $r^2 = 0.997885$

Calibration curve: $1.1475 * x + -0.131558$

Response type: Internal Std (Ref 40), 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 171002M3_2	Standard	0.250	3.87	124.930	7628.549	0.205	0.3	17.2	NO	0.998	NO	MM
2	2 171002M3_3	Standard	0.500	3.87	192.961	7910.729	0.305	0.4	-23.9	NO	0.998	NO	MM
3	3 171002M3_4	Standard	1.000	3.88	684.569	7831.786	1.093	1.1	6.7	NO	0.998	NO	bb
4	4 171002M3_5	Standard	2.000	3.88	1292.856	6962.814	2.321	2.1	6.9	NO	0.998	NO	bb
5	5 171002M3_6	Standard	5.000	3.87	3599.136	8115.339	5.544	4.9	-1.1	NO	0.998	NO	bb
6	6 171002M3_7	Standard	10.000	3.88	6389.944	7787.213	10.257	9.1	-9.5	NO	0.998	NO	bb
7	7 171002M3_8	Standard	50.000	3.88	33179.582	6854.912	60.503	52.8	5.7	NO	0.998	NO	bb
8	8 171002M3_9	Standard	100.000	3.88	62740.000	6979.780	112.360	98.0	-2.0	NO	0.998	NO	bb
9	9 171002M3_10	Standard	250.000	3.88	129258.352	6568.228	245.992	214.5	-14.2	NO	0.998	NO	bbX

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999395$

Calibration curve: $-0.000824789 * x^2 + 1.25962 * x + -0.0252568$

Response type: Internal Std (Ref 41), 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 171002M3_2	Standard	0.250	3.93	241.174	10397.560	0.290	0.3	0.1	NO	0.999	NO	MM
2	2 171002M3_3	Standard	0.500	3.93	619.743	12594.919	0.615	0.5	1.7	NO	0.999	NO	MM
3	3 171002M3_4	Standard	1.000	3.93	1296.792	12119.845	1.337	1.1	8.3	NO	0.999	NO	MM
4	4 171002M3_5	Standard	2.000	3.94	1953.518	9688.778	2.520	2.0	1.2	NO	0.999	NO	MM
5	5 171002M3_6	Standard	5.000	3.93	4939.102	11665.370	5.292	4.2	-15.3	NO	0.999	NO	MM
6	6 171002M3_7	Standard	10.000	3.93	10536.732	11199.954	11.760	9.4	-5.9	NO	0.999	NO	MM
7	7 171002M3_8	Standard	50.000	3.93	49903.531	10220.938	61.031	50.1	0.2	NO	0.999	NO	MM
8	8 171002M3_9	Standard	100.000	3.93	96694.742	10072.349	120.000	102.1	2.1	NO	0.999	NO	MM
9	9 171002M3_10	Standard	250.000	3.93	194060.703	9243.541	262.427	248.9	-0.4	NO	0.999	NO	MM

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Tuesday, October 03, 2017 08:43:08 Pacific Daylight Time

Printed: Tuesday, October 03, 2017 08:44:57 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Compound name: PFDA

Correlation coefficient: $r = 0.996213$, $r^2 = 0.992441$

Calibration curve: $1.40142 * x + 0.0968349$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	0.250	4.07	1549.712	45496.820	0.426	0.2	-6.1	NO	0.992	NO	bb
2	2 171002M3_3	Standard	0.500	4.06	2240.788	45498.133	0.616	0.4	-26.0	NO	0.992	NO	bb
3	3 171002M3_4	Standard	1.000	4.06	6376.475	42547.418	1.873	1.3	26.8	NO	0.992	NO	MM
4	4 171002M3_5	Standard	2.000	4.07	10535.492	39130.570	3.365	2.3	16.6	NO	0.992	NO	bb
5	5 171002M3_6	Standard	5.000	4.06	25594.289	46199.398	6.925	4.9	-2.6	NO	0.992	NO	bb
6	6 171002M3_7	Standard	10.000	4.06	51450.891	44484.066	14.458	10.2	2.5	NO	0.992	NO	bb
7	7 171002M3_8	Standard	50.000	4.06	271038.031	39426.602	85.931	61.2	22.5	NO	0.992	NO	bb
8	8 171002M3_9	Standard	100.000	4.06	478803.750	43663.855	137.071	97.7	-2.3	NO	0.992	NO	bb
9	9 171002M3_10	Standard	250.000	4.07	1009808.688	37450.043	337.052	240.4	-3.8	NO	0.992	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.997038$

Calibration curve: $-0.00591714 * x^2 + 1.66287 * x + -0.0381655$

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 171002M3_2	Standard	0.250	4.05	186.229	4935.235	0.472	0.3	22.8	NO	0.997	NO	MM
2	2 171002M3_3	Standard	0.500	4.06	236.159	4774.532	0.618	0.4	-20.9	NO	0.997	NO	MM
3	3 171002M3_4	Standard	1.000	4.05	660.706	5228.338	1.580	1.0	-2.4	NO	0.997	NO	MM
4	4 171002M3_5	Standard	2.000	4.06	1167.601	4184.911	3.488	2.1	6.8	NO	0.997	NO	bb
5	5 171002M3_6	Standard	5.000	4.06	2933.246	5212.782	7.034	4.3	-13.6	NO	0.997	NO	bb
6	6 171002M3_7	Standard	10.000	4.05	5850.199	4848.849	15.081	9.4	-5.9	NO	0.997	NO	bb
7	7 171002M3_8	Standard	50.000	4.05	29700.961	5167.964	71.839	53.4	6.7	NO	0.997	NO	bb
8	8 171002M3_9	Standard	100.000	4.05	53301.461	6317.922	105.457	96.8	-3.2	NO	0.997	NO	bb
9	9 171002M3_10	Standard	250.000	4.05	112338.547	8083.892	173.707			NO	0.997	NO	bbXI

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Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.998122$

Calibration curve: $-0.0073405 * x^2 + 20.0079 * x - 0.553846$

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 171002M3_2	Standard	0.250	4.10	299.603	10320.167	4.718	0.3	5.4	NO	0.998	NO	bb
2	2 171002M3_3	Standard	0.500	4.10	588.005	10875.330	8.786	0.5	-6.6	NO	0.998	NO	bb
3	3 171002M3_4	Standard	1.000	4.10	1280.257	10971.598	18.962	1.0	-2.4	NO	0.998	NO	bb
4	4 171002M3_5	Standard	2.000	4.10	2391.962	9806.907	39.635	2.0	0.5	NO	0.998	NO	bb
5	5 171002M3_6	Standard	5.000	4.11	6534.348	11273.893	94.185	4.7	-5.1	NO	0.998	NO	bb
6	6 171002M3_7	Standard	10.000	4.10	13036.343	10097.818	209.788	10.6	5.5	NO	0.998	NO	bb
7	7 171002M3_8	Standard	50.000	4.10	62879.668	9646.379	1059.252	54.0	8.1	NO	0.998	NO	bb
8	8 171002M3_9	Standard	100.000	4.11	117266.586	10498.893	1815.031	94.0	-6.0	NO	0.998	NO	bb
9	9 171002M3_10	Standard	250.000	4.11	253571.609	9013.601	4571.468	251.8	0.7	NO	0.998	NO	bb

Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999189$

Calibration curve: $-0.00748804 * x^2 + 15.6798 * x - 0.643211$

Response type: Internal Std (Ref 45), 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 171002M3_2	Standard	0.250	4.18	230.813	11631.861	3.225	0.2	-1.3	NO	0.999	NO	bb
2	2 171002M3_3	Standard	0.500	4.18	460.194	11825.231	6.324	0.4	-11.1	NO	0.999	NO	bb
3	3 171002M3_4	Standard	1.000	4.18	1172.988	11603.908	16.426	1.1	8.9	NO	0.999	NO	bb
4	4 171002M3_5	Standard	2.000	4.19	1797.596	9705.889	30.096	2.0	-1.9	NO	0.999	NO	bb
5	5 171002M3_6	Standard	5.000	4.18	4620.774	10632.250	70.622	4.6	-8.9	NO	0.999	NO	bb
6	6 171002M3_7	Standard	10.000	4.18	10186.978	11303.835	146.444	9.4	-5.8	NO	0.999	NO	bb
7	7 171002M3_8	Standard	50.000	4.18	51127.273	10293.323	807.143	52.9	5.7	NO	0.999	NO	bb
8	8 171002M3_9	Standard	100.000	4.18	97043.063	10788.833	1461.650	97.8	-2.2	NO	0.999	NO	bb
9	9 171002M3_10	Standard	250.000	4.18	201764.000	9487.888	3455.632	250.4	0.1	NO	0.999	NO	bb

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Compound name: PFUnA

Coefficient of Determination: R² = 0.997964

Calibration curve: $-0.00085863 * x^2 + 1.01316 * x + 0.0583477$

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 171002M3_2	Standard	0.250	4.26	1266.831	53299.051	0.297	0.2	-5.7	NO	0.998	NO	MM
2	2 171002M3_3	Standard	0.500	4.26	2351.477	50061.758	0.587	0.5	4.4	NO	0.998	NO	bb
3	3 171002M3_4	Standard	1.000	4.26	4817.047	53290.730	1.130	1.1	5.9	NO	0.998	NO	MM
4	4 171002M3_5	Standard	2.000	4.26	8208.059	45437.801	2.258	2.2	8.8	NO	0.998	NO	MM
5	5 171002M3_6	Standard	5.000	4.26	20690.135	52037.430	4.970	4.9	-2.6	NO	0.998	NO	MM
6	6 171002M3_7	Standard	10.000	4.25	40009.656	58640.996	8.529	8.4	-15.8	NO	0.998	NO	MM
7	7 171002M3_8	Standard	50.000	4.26	193748.125	46330.465	52.273	54.0	8.0	NO	0.998	NO	MM
8	8 171002M3_9	Standard	100.000	4.26	381366.719	52859.824	90.184	96.9	-3.1	NO	0.998	NO	MM
9	9 171002M3_10	Standard	250.000	4.26	781977.313	48861.629	200.049	250.6	0.3	NO	0.998	NO	MM

Compound name: PFDS

Coefficient of Determination: R² = 0.993521

Calibration curve: $-0.000291241 * x^2 + 0.23725 * x + 0.0195204$

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 171002M3_2	Standard	0.250	4.31	361.992	53299.051	0.085	0.3	10.3	NO	0.994	NO	MM
2	2 171002M3_3	Standard	0.500	4.31	638.952	50061.758	0.160	0.6	18.1	NO	0.994	NO	MM
3	3 171002M3_4	Standard	1.000	4.31	1003.772	53290.730	0.235	0.9	-8.9	NO	0.994	NO	MM
4	4 171002M3_5	Standard	2.000	4.32	1776.119	45437.801	0.489	2.0	-0.9	NO	0.994	NO	MM
5	5 171002M3_6	Standard	5.000	4.32	4528.750	52037.430	1.088	4.5	-9.4	NO	0.994	NO	MM
6	6 171002M3_7	Standard	10.000	4.32	9105.083	58640.996	1.941	8.2	-18.2	NO	0.994	NO	MM
7	7 171002M3_8	Standard	50.000	4.32	47357.855	46330.465	12.777	57.9	15.8	NO	0.994	NO	MM
8	8 171002M3_9	Standard	100.000	4.32	82545.078	52859.824	19.520	92.8	-7.2	NO	0.994	NO	MM
9	9 171002M3_10	Standard	250.000	4.32	161629.906	48861.629	41.349	252.4	1.0	NO	0.994	NO	MM

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Compound name: PFD0A

Coefficient of Determination: R^2 = 0.994029

Calibration curve: $-0.000184723 * x^2 + 1.10966 * x$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	0.250	4.45	1426.155	51921.918	0.343	0.3	23.8	NO	0.994	NO	bb
2	2 171002M3_3	Standard	0.500	4.45	2301.531	53961.004	0.533	0.5	-3.9	NO	0.994	NO	bb
3	3 171002M3_4	Standard	1.000	4.44	5427.294	57492.430	1.180	1.1	6.4	NO	0.994	NO	MM
4	4 171002M3_5	Standard	2.000	4.45	10164.886	44271.395	2.870	2.6	29.4	NO	0.994	NO	MM
5	5 171002M3_6	Standard	5.000	4.45	26156.803	61660.707	5.303	4.8	-4.4	NO	0.994	NO	bd
6	6 171002M3_7	Standard	10.000	4.45	49759.965	51625.930	12.048	10.9	8.8	NO	0.994	NO	MM
7	7 171002M3_8	Standard	50.000	4.45	259236.734	45638.438	71.003	64.7	29.4	NO	0.994	NO	MM
8	8 171002M3_9	Standard	100.000	4.45	401710.188	51079.348	98.305	89.9	-10.1	NO	0.994	NO	MM
9	9 171002M3_10	Standard	250.000	4.45	1015637.313	47556.035	266.958	251.1	0.4	NO	0.994	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: R^2 = 0.999167

Calibration curve: $-0.000242551 * x^2 + 1.23384 * x + -0.0106333$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	1.250	4.49	443.535	35122.738	1.894	1.5	23.5	NO	0.999	NO	MM
2	2 171002M3_3	Standard	2.500	4.50	648.966	33428.609	2.912	2.4	-5.2	NO	0.999	NO	bb
3	3 171002M3_4	Standard	5.000	4.50	1383.145	35153.801	5.902	4.8	-4.1	NO	0.999	NO	bb
4	4 171002M3_5	Standard	10.000	4.50	2513.446	30867.475	12.214	9.9	-0.7	NO	0.999	NO	MM
5	5 171002M3_6	Standard	25.000	4.50	6320.526	33820.715	28.032	22.8	-8.7	NO	0.999	NO	bb
6	6 171002M3_7	Standard	50.000	4.50	12536.842	32826.637	57.287	46.9	-6.3	NO	0.999	NO	bb
7	7 171002M3_8	Standard	250.000	4.50	62770.438	32929.488	285.931	243.4	-2.6	NO	0.999	NO	bb
8	8 171002M3_9	Standard	500.000	4.50	121916.961	31710.465	576.704	520.7	4.1	NO	0.999	NO	bb
9	9 171002M3_10	Standard	1250.000	4.50	272546.625	35340.250	1156.811	1239.7	-0.8	NO	0.999	NO	bb

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Compound name: PFTrDA

Correlation coefficient: $r = 0.994999$, $r^2 = 0.990022$

Calibration curve: $1.35464 * x + 0.198109$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	0.250	4.66	1886.321	51921.918	0.454	0.2	-24.4	NO	0.990	NO	bb
2	171002M3_3	Standard	0.500	4.66	3385.856	53961.004	0.784	0.4	-13.4	NO	0.990	NO	bb
3	171002M3_4	Standard	1.000	4.65	6982.079	57492.430	1.518	1.0	-2.6	NO	0.990	NO	bb
4	171002M3_5	Standard	2.000	4.66	12291.516	44271.395	3.471	2.4	20.8	NO	0.990	NO	bb
5	171002M3_6	Standard	5.000	4.66	30328.012	61660.707	6.148	4.4	-12.2	NO	0.990	NO	bb
6	171002M3_7	Standard	10.000	4.66	63539.922	51625.930	15.385	11.2	12.1	NO	0.990	NO	bb
7	171002M3_8	Standard	50.000	4.66	308874.125	45638.438	84.598	62.3	24.6	NO	0.990	NO	bb
8	171002M3_9	Standard	100.000	4.66	557441.563	51079.348	136.416	100.6	0.6	NO	0.990	NO	bb
9	171002M3_10	Standard	250.000	4.66	1218439.125	47556.035	320.264	236.3	-5.5	NO	0.990	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998378$

Calibration curve: $-0.000744199 * x^2 + 1.28106 * x + 0.0831674$

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	171002M3_2	Standard	0.250	4.88	1290.786	37827.625	0.427	0.3	7.2	NO	0.998	NO	bb
2	171002M3_3	Standard	0.500	4.88	2403.025	43196.602	0.695	0.5	-4.4	NO	0.998	NO	bb
3	171002M3_4	Standard	1.000	4.88	4490.584	42366.340	1.325	1.0	-3.0	NO	0.998	NO	bb
4	171002M3_5	Standard	2.000	4.88	7980.467	35797.945	2.787	2.1	5.6	NO	0.998	NO	bb
5	171002M3_6	Standard	5.000	4.88	20380.174	42147.105	6.044	4.7	-6.7	NO	0.998	NO	bb
6	171002M3_7	Standard	10.000	4.88	40017.797	40071.590	12.483	9.7	-2.7	NO	0.998	NO	bb
7	171002M3_8	Standard	50.000	4.88	196832.688	36587.637	67.247	54.1	8.3	NO	0.998	NO	bb
8	171002M3_9	Standard	100.000	4.88	375642.844	40764.762	115.186	95.1	-4.9	NO	0.998	NO	db
9	171002M3_10	Standard	250.000	4.88	801999.188	36442.805	275.088	251.4	0.6	NO	0.998	NO	bb

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Compound name: N-EtFOSA

Coefficient of Determination: R² = 0.999579

Calibration curve: -0.000193194 * x² + 1.015 * x + -0.10716

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	1.250	5.16	508.640	56509.613	1.350	1.4	14.9	NO	1.000	NO	bb
2	2 171002M3_3	Standard	2.500	5.16	858.297	51847.211	2.483	2.6	2.1	NO	1.000	NO	MM
3	3 171002M3_4	Standard	5.000	5.16	1782.009	54730.656	4.884	4.9	-1.6	NO	1.000	NO	bb
4	4 171002M3_5	Standard	10.000	5.16	3233.904	49024.801	9.895	9.9	-1.3	NO	1.000	NO	bb
5	5 171002M3_6	Standard	25.000	5.16	8072.681	53056.301	22.823	22.7	-9.2	NO	1.000	NO	bb
6	6 171002M3_7	Standard	50.000	5.16	15805.351	50760.637	46.706	46.5	-6.9	NO	1.000	NO	bb
7	7 171002M3_8	Standard	250.000	5.16	80515.141	49694.832	243.029	251.6	0.6	NO	1.000	NO	bb
8	8 171002M3_9	Standard	500.000	5.16	154547.281	49703.434	466.408	508.9	1.8	NO	1.000	NO	bb
9	9 171002M3_10	Standard	1250.000	5.16	344205.438	53573.262	963.742	1244.3	-0.5	NO	1.000	NO	bb

Compound name: PFHxDA

Coefficient of Determination: R² = 0.999597

Calibration curve: -0.0012813 * x² + 1.59534 * x + 0.108133

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 171002M3_2	Standard	0.250	5.32	2006.494	18798.662	0.534	0.3	6.7	NO	1.000	NO	bb
2	2 171002M3_3	Standard	0.500	5.33	3656.513	21609.189	0.846	0.5	-7.5	NO	1.000	NO	bb
3	3 171002M3_4	Standard	1.000	5.32	7087.252	20258.752	1.749	1.0	3.0	NO	1.000	NO	bb
4	4 171002M3_5	Standard	2.000	5.32	12732.889	18066.309	3.524	2.1	7.2	NO	1.000	NO	bb
5	5 171002M3_6	Standard	5.000	5.33	31324.225	21596.535	7.252	4.5	-10.1	NO	1.000	NO	bb
6	6 171002M3_7	Standard	10.000	5.32	62986.465	19999.318	15.747	9.9	-1.2	NO	1.000	NO	bb
7	7 171002M3_8	Standard	50.000	5.32	284898.719	18044.875	78.942	51.5	3.1	NO	1.000	NO	bb
8	8 171002M3_9	Standard	100.000	5.32	592611.938	20434.301	145.004	98.6	-1.4	NO	1.000	NO	bb
9	9 171002M3_10	Standard	250.000	5.33	1280441.250	20059.559	319.160	250.3	0.1	NO	1.000	NO	bb

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Compound name: PFODA

Coefficient of Determination: R² = 0.998405

Calibration curve: -0.00207081 * x² + 1.8922 * x + -0.0129661

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	0.250	5.75	2045.259	18798.662	0.544	0.3	17.8	NO	0.998	NO	bb
2	2 171002M3_3	Standard	0.500	5.75	3677.289	21609.189	0.851	0.5	-8.6	NO	0.998	NO	MM
3	3 171002M3_4	Standard	1.000	5.75	7897.211	20258.752	1.949	1.0	3.8	NO	0.998	NO	MM
4	4 171002M3_5	Standard	2.000	5.75	13815.835	18066.309	3.824	2.0	1.6	NO	0.998	NO	bd
5	5 171002M3_6	Standard	5.000	5.76	34515.840	21596.535	7.991	4.2	-15.0	NO	0.998	NO	bb
6	6 171002M3_7	Standard	10.000	5.75	69603.656	19999.318	17.402	9.3	-7.0	NO	0.998	NO	bb
7	7 171002M3_8	Standard	50.000	5.75	344902.781	18044.875	95.568	53.7	7.3	NO	0.998	NO	bb
8	8 171002M3_9	Standard	100.000	5.75	672096.688	20434.301	164.453	97.3	-2.7	NO	0.998	NO	MM
9	9 171002M3_10	Standard	250.000	5.76	1380410.375	20059.559	344.078	250.5	0.2	NO	0.998	NO	MM

Compound name: N-MeFOSE

Correlation coefficient: r = 0.997415, r² = 0.994837

Calibration curve: 1.00133 * x + 0.466379

Response type: Internal Std (Ref 52), 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 171002M3_2	Standard	1.250	5.66	730.254	74441.688	1.471	1.0	-19.7	NO	0.995	NO	bb
2	2 171002M3_3	Standard	2.500	5.66	1345.697	71710.469	2.815	2.3	-6.2	NO	0.995	NO	bb
3	3 171002M3_4	Standard	5.000	5.66	2857.457	76274.805	5.619	5.1	2.9	NO	0.995	NO	bb
4	4 171002M3_5	Standard	10.000	5.66	4976.472	67348.094	11.084	10.6	6.0	NO	0.995	NO	bb
5	5 171002M3_6	Standard	25.000	5.66	12485.252	73431.852	25.504	25.0	0.0	NO	0.995	NO	bb
6	6 171002M3_7	Standard	50.000	5.66	25260.936	71098.648	53.294	52.8	5.5	NO	0.995	NO	MM
7	7 171002M3_8	Standard	250.000	5.66	126764.602	70871.891	268.297	267.5	7.0	NO	0.995	NO	MM
8	8 171002M3_9	Standard	500.000	5.66	252615.922	68689.813	551.645	550.4	10.1	NO	0.995	NO	MM
9	9 171002M3_10	Standard	1250.000	5.66	582604.313	73997.203	1180.999	1179.0	-5.7	NO	0.995	NO	MM

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Compound name: N-EtFOSE

Correlation coefficient: $r = 0.997749$, $r^2 = 0.995503$

Calibration curve: $1.11745 * x + 0.573281$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	1.250	5.86	837.683	76221.969	1.649	1.0	-23.0	NO	0.996	NO	bb
2	2 171002M3_3	Standard	2.500	5.86	1543.862	74083.711	3.126	2.3	-8.6	NO	0.996	NO	MM
3	3 171002M3_4	Standard	5.000	5.86	3291.461	78594.977	6.282	5.1	2.2	NO	0.996	NO	MM
4	4 171002M3_5	Standard	10.000	5.86	5883.898	68225.016	12.936	11.1	10.6	NO	0.996	NO	MM
5	5 171002M3_6	Standard	25.000	5.86	14352.618	75349.609	28.572	25.1	0.2	NO	0.996	NO	MM
6	6 171002M3_7	Standard	50.000	5.86	29037.900	71989.109	60.505	53.6	7.3	NO	0.996	NO	MM
7	7 171002M3_8	Standard	250.000	5.86	146450.313	72386.203	303.477	271.1	8.4	NO	0.996	NO	MM
8	8 171002M3_9	Standard	500.000	5.86	286655.813	71013.281	605.498	541.3	8.3	NO	0.996	NO	MM
9	9 171002M3_10	Standard	1250.000	5.87	660292.375	74875.609	1322.779	1183.2	-5.3	NO	0.996	NO	MM

Compound name: 13C3-PFBA

Response Factor: 0.877635

RRF SD: 0.0410443, Relative SD: 4.67669

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	1.43	17453.553	20724.111	10.527	12.0	-4.0	NO		NO	MM
2	2 171002M3_3	Standard	12.500	1.43	20179.463	21610.912	11.672	13.3	6.4	NO		NO	MM
3	3 171002M3_4	Standard	12.500	1.43	20016.182	22784.803	10.981	12.5	0.1	NO		NO	MM
4	4 171002M3_5	Standard	12.500	1.43	17227.539	20285.332	10.616	12.1	-3.2	NO		NO	MM
5	5 171002M3_6	Standard	12.500	1.43	20210.666	22208.746	11.375	13.0	3.7	NO		NO	MM
6	6 171002M3_7	Standard	12.500	1.43	19830.076	21824.400	11.358	12.9	3.5	NO		NO	MM
7	7 171002M3_8	Standard	12.500	1.43	18062.666	21811.736	10.351	11.8	-5.6	NO		NO	MM
8	8 171002M3_9	Standard	12.500	1.43	19218.430	20944.541	11.470	13.1	4.6	NO		NO	MM
9	9 171002M3_10	Standard	12.500	1.43	17202.762	20709.717	10.383	11.8	-5.4	NO		NO	MM

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Compound name: 13C3-PFPeA

Response Factor: 0.2312

RRF SD: 0.0116569, Relative SD: 5.04192

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	2.65	28623.416	46139.496	3.102	13.4	7.3	NO		NO	MM
2	2 171002M3_3	Standard	12.500	2.65	35759.270	62495.438	2.861	12.4	-1.0	NO		NO	MM
3	3 171002M3_4	Standard	12.500	2.66	33217.914	59129.316	2.809	12.1	-2.8	NO		NO	bb
4	4 171002M3_5	Standard	12.500	2.66	30179.080	51848.578	2.910	12.6	0.7	NO		NO	MM
5	5 171002M3_6	Standard	12.500	2.65	35607.809	57620.496	3.090	13.4	6.9	NO		NO	MM
6	6 171002M3_7	Standard	12.500	2.66	34318.527	61283.691	2.800	12.1	-3.1	NO		NO	MM
7	7 171002M3_8	Standard	12.500	2.66	30848.637	55753.980	2.766	12.0	-4.3	NO		NO	bb
8	8 171002M3_9	Standard	12.500	2.66	32637.971	54564.906	2.991	12.9	3.5	NO		NO	MM
9	9 171002M3_10	Standard	12.500	2.65	29765.301	55512.539	2.681	11.6	-7.2	NO		NO	MM

Compound name: 13C3-PFBS

Response Factor: 0.0506724

RRF SD: 0.00354893, Relative SD: 7.00368

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	2.89	6672.583	46139.496	0.723	14.3	14.2	NO		NO	MM
2	2 171002M3_3	Standard	12.500	2.90	7906.834	62495.438	0.633	12.5	-0.1	NO		NO	MM
3	3 171002M3_4	Standard	12.500	2.90	7562.505	59129.316	0.639	12.6	1.0	NO		NO	MM
4	4 171002M3_5	Standard	12.500	2.90	6643.746	51848.578	0.641	12.6	1.1	NO		NO	bb
5	5 171002M3_6	Standard	12.500	2.89	7573.339	57620.496	0.657	13.0	3.8	NO		NO	MM
6	6 171002M3_7	Standard	12.500	2.89	7503.213	61283.691	0.612	12.1	-3.4	NO		NO	MM
7	7 171002M3_8	Standard	12.500	2.90	6755.832	55753.980	0.606	12.0	-4.3	NO		NO	MM
8	8 171002M3_9	Standard	12.500	2.90	6903.154	54564.906	0.633	12.5	-0.1	NO		NO	MM
9	9 171002M3_10	Standard	12.500	2.89	6184.319	55512.539	0.557	11.0	-12.1	NO		NO	MM

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Compound name: 13C2-PFHxA

Response Factor: 0.274533

RRF SD: 0.00835871, Relative SD: 3.0447

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	5.000	3.14	12450.417	46139.496	1.349	4.9	-1.7	NO		NO	bb
2	2 171002M3_3	Standard	5.000	3.14	18160.021	62495.438	1.453	5.3	5.8	NO		NO	bb
3	3 171002M3_4	Standard	5.000	3.14	16294.613	59129.316	1.378	5.0	0.4	NO		NO	MM
4	4 171002M3_5	Standard	5.000	3.14	14245.573	51848.578	1.374	5.0	0.1	NO		NO	bb
5	5 171002M3_6	Standard	5.000	3.14	16292.938	57620.496	1.414	5.1	3.0	NO		NO	bb
6	6 171002M3_7	Standard	5.000	3.14	16707.854	61283.691	1.363	5.0	-0.7	NO		NO	bb
7	7 171002M3_8	Standard	5.000	3.14	14913.017	55753.980	1.337	4.9	-2.6	NO		NO	bb
8	8 171002M3_9	Standard	5.000	3.14	15013.961	54564.906	1.376	5.0	0.2	NO		NO	bb
9	9 171002M3_10	Standard	5.000	3.14	14544.989	55512.539	1.310	4.8	-4.6	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.558187

RRF SD: 0.0647984, Relative SD: 11.6087

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.43	81288.023	46139.496	8.809	15.8	26.3	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.43	80385.406	62495.438	6.431	11.5	-7.8	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.43	82152.063	59129.316	6.947	12.4	-0.4	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.43	75622.172	51848.578	7.293	13.1	4.5	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.43	81557.313	57620.496	7.077	12.7	1.4	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.43	83352.039	61283.691	6.801	12.2	-2.5	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.43	70266.586	55753.980	6.301	11.3	-9.7	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.43	77967.789	54564.906	7.144	12.8	2.4	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.43	66534.883	55512.539	5.993	10.7	-14.1	NO		NO	bb

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Compound name: 18O2-PFHxS

Response Factor: 0.4899

RRF SD: 0.0377878, Relative SD: 7.71337

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	12.500	3.52	4802.331	10394.896	5.775	11.8	-5.7	NO		NO	bb
2	171002M3_3	Standard	12.500	3.52	5095.051	9951.004	6.400	13.1	4.5	NO		NO	bb
3	171002M3_4	Standard	12.500	3.52	5023.285	10446.875	6.011	12.3	-1.8	NO		NO	bb
4	171002M3_5	Standard	12.500	3.52	4622.255	10071.582	5.737	11.7	-6.3	NO		NO	bb
5	171002M3_6	Standard	12.500	3.52	5768.392	10469.802	6.887	14.1	12.5	NO		NO	bb
6	171002M3_7	Standard	12.500	3.52	5080.628	9712.907	6.539	13.3	6.8	NO		NO	bb
7	171002M3_8	Standard	12.500	3.52	4808.059	9270.950	6.483	13.2	5.9	NO		NO	bb
8	171002M3_9	Standard	12.500	3.52	4415.546	9456.664	5.837	11.9	-4.7	NO		NO	bb
9	171002M3_10	Standard	12.500	3.52	3722.319	8542.576	5.447	11.1	-11.1	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.146255

RRF SD: 0.0196293, Relative SD: 13.4213

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	12.500	3.64	7318.428	47963.598	1.907	13.0	4.3	NO		NO	bb
2	171002M3_3	Standard	12.500	3.65	7317.799	47298.113	1.934	13.2	5.8	NO		NO	bb
3	171002M3_4	Standard	12.500	3.65	6229.998	49194.703	1.583	10.8	-13.4	NO		NO	bb
4	171002M3_5	Standard	12.500	3.65	5699.218	44589.230	1.598	10.9	-12.6	NO		NO	bb
5	171002M3_6	Standard	12.500	3.64	7077.587	53994.152	1.639	11.2	-10.4	NO		NO	bb
6	171002M3_7	Standard	12.500	3.64	7105.851	48811.898	1.820	12.4	-0.5	NO		NO	bb
7	171002M3_8	Standard	12.500	3.64	7307.715	50390.758	1.813	12.4	-0.8	NO		NO	bb
8	171002M3_9	Standard	12.500	3.64	8871.337	47539.465	2.333	15.9	27.6	NO		NO	bb
9	171002M3_10	Standard	12.500	3.64	10956.948	46614.207	2.938	20.1	60.7	NO		NO	bbX

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Compound name: 13C2-PFOA

Response Factor: 1.15202

RRF SD: 0.0635742, Relative SD: 5.51852

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.66	52788.352	47963.598	13.757	11.9	-4.5	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.66	57593.883	47298.113	15.221	13.2	5.7	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.66	56801.676	49194.703	14.433	12.5	0.2	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.66	50108.375	44589.230	14.047	12.2	-2.5	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.66	65240.496	53994.152	15.104	13.1	4.9	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.66	56615.957	48811.898	14.499	12.6	0.7	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.66	51975.781	50390.758	12.893	11.2	-10.5	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.66	58635.684	47539.465	15.418	13.4	7.1	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.66	53066.754	46614.207	14.230	12.4	-1.2	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.857466

RRF SD: 0.0371371, Relative SD: 4.33103

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.86	53963.648	62769.227	10.746	12.5	0.3	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.86	50934.531	57497.250	11.073	12.9	3.3	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.86	58527.805	69351.930	10.549	12.3	-1.6	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.87	47385.508	60921.938	9.723	11.3	-9.3	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.87	58276.469	64743.938	11.251	13.1	5.0	NO		NO	MM
6	6 171002M3_7	Standard	12.500	3.86	53813.367	60014.594	11.208	13.1	4.6	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.87	51209.566	59413.109	10.774	12.6	0.5	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.87	48863.863	57498.789	10.623	12.4	-0.9	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.87	46757.223	55573.609	10.517	12.3	-1.9	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 0.139108

RRF SD: 0.00908854, Relative SD: 6.53345

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 171002M3_2	Standard	12.500	3.87	7628.549	55855.207	1.707	12.3	-1.8	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.87	7910.729	52691.590	1.877	13.5	7.9	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.87	7831.786	58511.461	1.673	12.0	-3.8	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.88	6962.814	49273.773	1.766	12.7	1.6	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.88	8115.339	54922.918	1.847	13.3	6.2	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.87	7787.213	59100.023	1.647	11.8	-5.3	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.87	6854.912	55193.512	1.552	11.2	-10.7	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.88	6979.780	47393.152	1.841	13.2	5.9	NO		NO	bd
9	9 171002M3_10	Standard	12.500	3.88	6568.228	47432.723	1.731	12.4	-0.5	NO		NO	bbX

Compound name: 13C8-PFOS

Response Factor: 0.989909

RRF SD: 0.0943394, Relative SD: 9.53011

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 171002M3_2	Standard	12.500	3.93	10397.560	12752.723	10.192	10.3	-17.6	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.93	12594.919	11185.657	14.075	14.2	13.7	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.93	12119.845	11281.301	13.429	13.6	8.5	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.94	9688.778	10120.529	11.967	12.1	-3.3	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.93	11665.370	11744.584	12.416	12.5	0.3	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.93	11199.954	10485.016	13.352	13.5	7.9	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.93	10220.938	11174.148	11.434	11.6	-7.6	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.93	10072.349	9954.596	12.648	12.8	2.2	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.93	9243.541	9748.166	11.853	12.0	-4.2	NO		NO	bb

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Compound name: 13C2-PFDA

Response Factor: 0.882009

RRF SD: 0.0704736, Relative SD: 7.99013

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	171002M3_2	Standard	12.500	4.06	45496.820	50578.129	11.244	12.7	2.0	NO		NO	bb
2	171002M3_3	Standard	12.500	4.06	45498.133	45502.566	12.499	14.2	13.4	NO		NO	bb
3	171002M3_4	Standard	12.500	4.06	42547.418	54657.438	9.730	11.0	-11.7	NO		NO	bb
4	171002M3_5	Standard	12.500	4.07	39130.570	44774.246	10.924	12.4	-0.9	NO		NO	bb
5	171002M3_6	Standard	12.500	4.07	46199.398	50381.734	11.462	13.0	4.0	NO		NO	bb
6	171002M3_7	Standard	12.500	4.06	44484.066	47249.832	11.768	13.3	6.7	NO		NO	bb
7	171002M3_8	Standard	12.500	4.06	39426.602	46991.918	10.488	11.9	-4.9	NO		NO	bb
8	171002M3_9	Standard	12.500	4.06	43663.855	48739.754	11.198	12.7	1.6	NO		NO	bd
9	171002M3_10	Standard	12.500	4.07	37450.043	47229.898	9.912	11.2	-10.1	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.104665

RRF SD: 0.011425, Relative SD: 10.9158

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	171002M3_2	Standard	12.500	4.05	4935.235	50578.129	1.220	11.7	-6.8	NO		NO	bb
2	171002M3_3	Standard	12.500	4.05	4774.532	45502.566	1.312	12.5	0.3	NO		NO	bb
3	171002M3_4	Standard	12.500	4.05	5228.338	54657.438	1.196	11.4	-8.6	NO		NO	bb
4	171002M3_5	Standard	12.500	4.06	4184.911	44774.246	1.168	11.2	-10.7	NO		NO	bb
5	171002M3_6	Standard	12.500	4.05	5212.782	50381.734	1.293	12.4	-1.1	NO		NO	bb
6	171002M3_7	Standard	12.500	4.05	4848.849	47249.832	1.283	12.3	-2.0	NO		NO	bb
7	171002M3_8	Standard	12.500	4.05	5167.964	46991.918	1.375	13.1	5.1	NO		NO	bb
8	171002M3_9	Standard	12.500	4.06	6317.922	48739.754	1.620	15.5	23.8	NO		NO	bb
9	171002M3_10	Standard	12.500	4.05	8083.892	47229.898	2.140	20.4	63.5	NO		NO	bbX

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Compound name: d3-N-MeFOSAA

Response Factor: 0.0148732

RRF SD: 0.00124871, Relative SD: 8.39569

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 171002M3_2	Standard	162.500	4.10	10320.167	55855.207	2.310	155.3	-4.4	NO		NO	bb
2	2 171002M3_3	Standard	162.500	4.10	10875.330	52691.590	2.580	173.5	6.7	NO		NO	bb
3	3 171002M3_4	Standard	162.500	4.10	10971.598	58511.461	2.344	157.6	-3.0	NO		NO	bb
4	4 171002M3_5	Standard	162.500	4.10	9806.907	49273.773	2.488	167.3	2.9	NO		NO	bb
5	5 171002M3_6	Standard	162.500	4.10	11273.893	54922.918	2.566	172.5	6.2	NO		NO	bb
6	6 171002M3_7	Standard	162.500	4.10	10097.818	59100.023	2.136	143.6	-11.6	NO		NO	bb
7	7 171002M3_8	Standard	162.500	4.10	9646.379	55193.512	2.185	146.9	-9.6	NO		NO	bb
8	8 171002M3_9	Standard	162.500	4.11	10498.893	47393.152	2.769	186.2	14.6	NO		NO	bb
9	9 171002M3_10	Standard	162.500	4.11	9013.601	47432.723	2.375	159.7	-1.7	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.0156153

RRF SD: 0.00110795, Relative SD: 7.09531

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 171002M3_2	Standard	162.500	4.18	11631.861	55855.207	2.603	166.7	2.6	NO		NO	bb
2	2 171002M3_3	Standard	162.500	4.18	11825.231	52691.590	2.805	179.7	10.6	NO		NO	bb
3	3 171002M3_4	Standard	162.500	4.17	11603.908	58511.461	2.479	158.8	-2.3	NO		NO	bb
4	4 171002M3_5	Standard	162.500	4.18	9705.889	49273.773	2.462	157.7	-3.0	NO		NO	bb
5	5 171002M3_6	Standard	162.500	4.18	10632.250	54922.918	2.420	155.0	-4.6	NO		NO	bb
6	6 171002M3_7	Standard	162.500	4.18	11303.835	59100.023	2.391	153.1	-5.8	NO		NO	bb
7	7 171002M3_8	Standard	162.500	4.18	10293.323	55193.512	2.331	149.3	-8.1	NO		NO	bb
8	8 171002M3_9	Standard	162.500	4.18	10788.833	47393.152	2.846	182.2	12.1	NO		NO	bb
9	9 171002M3_10	Standard	162.500	4.18	9487.888	47432.723	2.500	160.1	-1.5	NO		NO	MM

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Compound name: 13C2-PFUnA

Response Factor: 0.962426

RRF SD: 0.0780389, Relative SD: 8.10856

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 171002M3_2	Standard	12.500	4.26	53299.051	55855.207	11.928	12.4	-0.9	NO		NO	MM
2	2 171002M3_3	Standard	12.500	4.26	50061.758	52691.590	11.876	12.3	-1.3	NO		NO	MM
3	3 171002M3_4	Standard	12.500	4.25	53290.730	58511.461	11.385	11.8	-5.4	NO		NO	MM
4	4 171002M3_5	Standard	12.500	4.26	45437.801	49273.773	11.527	12.0	-4.2	NO		NO	MM
5	5 171002M3_6	Standard	12.500	4.26	52037.430	54922.918	11.843	12.3	-1.6	NO		NO	MM
6	6 171002M3_7	Standard	12.500	4.26	58640.996	59100.023	12.403	12.9	3.1	NO		NO	MM
7	7 171002M3_8	Standard	12.500	4.26	46330.465	55193.512	10.493	10.9	-12.8	NO		NO	MM
8	8 171002M3_9	Standard	12.500	4.26	52859.824	47393.152	13.942	14.5	15.9	NO		NO	MM
9	9 171002M3_10	Standard	12.500	4.26	48861.629	47432.723	12.877	13.4	7.0	NO		NO	MM

Compound name: 13C2-PFDoA

Response Factor: 0.970912

RRF SD: 0.0972137, Relative SD: 10.0126

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 171002M3_2	Standard	12.500	4.45	51921.918	55855.207	11.620	12.0	-4.3	NO		NO	bb
2	2 171002M3_3	Standard	12.500	4.45	53961.004	52691.590	12.801	13.2	5.5	NO		NO	bb
3	3 171002M3_4	Standard	12.500	4.44	57492.430	58511.461	12.282	12.7	1.2	NO		NO	bb
4	4 171002M3_5	Standard	12.500	4.45	44271.395	49273.773	11.231	11.6	-7.5	NO		NO	bb
5	5 171002M3_6	Standard	12.500	4.45	61660.707	54922.918	14.033	14.5	15.6	NO		NO	bb
6	6 171002M3_7	Standard	12.500	4.45	51625.930	59100.023	10.919	11.2	-10.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	4.45	45638.438	55193.512	10.336	10.6	-14.8	NO		NO	bb
8	8 171002M3_9	Standard	12.500	4.45	51079.348	47393.152	13.472	13.9	11.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	4.45	47556.035	47432.723	12.532	12.9	3.3	NO		NO	bb

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Compound name: d3-N-MeFOSA

Response Factor: 0.052523

RRF SD: 0.00442216, Relative SD: 8.41946

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 171002M3_2	Standard	150.000	4.54	35122.738	55855.207	7.860	149.7	-0.2	NO		NO	bb
2	2 171002M3_3	Standard	150.000	4.54	33428.609	52691.590	7.930	151.0	0.7	NO		NO	bb
3	3 171002M3_4	Standard	150.000	4.54	35153.801	58511.461	7.510	143.0	-4.7	NO		NO	bb
4	4 171002M3_5	Standard	150.000	4.55	30867.475	49273.773	7.831	149.1	-0.6	NO		NO	bb
5	5 171002M3_6	Standard	150.000	4.54	33820.715	54922.918	7.697	146.6	-2.3	NO		NO	bb
6	6 171002M3_7	Standard	150.000	4.54	32826.637	59100.023	6.943	132.2	-11.9	NO		NO	bb
7	7 171002M3_8	Standard	150.000	4.54	32929.488	55193.512	7.458	142.0	-5.3	NO		NO	bb
8	8 171002M3_9	Standard	150.000	4.55	31710.465	47393.152	8.364	159.2	6.2	NO		NO	bb
9	9 171002M3_10	Standard	150.000	4.55	35340.250	47432.723	9.313	177.3	18.2	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.742709

RRF SD: 0.0674964, Relative SD: 9.08786

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 171002M3_2	Standard	12.500	4.88	37827.625	55855.207	8.466	11.4	-8.8	NO		NO	bb
2	2 171002M3_3	Standard	12.500	4.88	43196.602	52691.590	10.248	13.8	10.4	NO		NO	bb
3	3 171002M3_4	Standard	12.500	4.87	42366.340	58511.461	9.051	12.2	-2.5	NO		NO	bb
4	4 171002M3_5	Standard	12.500	4.88	35797.945	49273.773	9.081	12.2	-2.2	NO		NO	bb
5	5 171002M3_6	Standard	12.500	4.88	42147.105	54922.918	9.592	12.9	3.3	NO		NO	bb
6	6 171002M3_7	Standard	12.500	4.88	40071.590	59100.023	8.475	11.4	-8.7	NO		NO	bb
7	7 171002M3_8	Standard	12.500	4.88	36587.637	55193.512	8.286	11.2	-10.7	NO		NO	bb
8	8 171002M3_9	Standard	12.500	4.88	40764.762	47393.152	10.752	14.5	15.8	NO		NO	bb
9	9 171002M3_10	Standard	12.500	4.88	36442.805	47432.723	9.604	12.9	3.4	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.0817547

RRF SD: 0.00668566, Relative SD: 8.1777

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 171002M3_2	Standard	150.000	5.20	56509.613	55855.207	12.646	154.7	3.1	NO		NO	bb
2	2 171002M3_3	Standard	150.000	5.21	51847.211	52691.590	12.300	150.4	0.3	NO		NO	bb
3	3 171002M3_4	Standard	150.000	5.20	54730.656	58511.461	11.692	143.0	-4.7	NO		NO	bb
4	4 171002M3_5	Standard	150.000	5.21	49024.801	49273.773	12.437	152.1	1.4	NO		NO	MM
5	5 171002M3_6	Standard	150.000	5.21	53056.301	54922.918	12.075	147.7	-1.5	NO		NO	MM
6	6 171002M3_7	Standard	150.000	5.20	50760.637	59100.023	10.736	131.3	-12.5	NO		NO	bb
7	7 171002M3_8	Standard	150.000	5.20	49694.832	55193.512	11.255	137.7	-8.2	NO		NO	bb
8	8 171002M3_9	Standard	150.000	5.21	49703.434	47393.152	13.109	160.3	6.9	NO		NO	MM
9	9 171002M3_10	Standard	150.000	5.21	53573.262	47432.723	14.118	172.7	15.1	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 0.936716

RRF SD: 0.100923, Relative SD: 10.7741

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 171002M3_2	Standard	5.000	5.32	18798.662	55855.207	4.207	4.5	-10.2	NO		NO	bb
2	2 171002M3_3	Standard	5.000	5.32	21609.189	52691.590	5.126	5.5	9.5	NO		NO	bb
3	3 171002M3_4	Standard	5.000	5.32	20258.752	58511.461	4.328	4.6	-7.6	NO		NO	bb
4	4 171002M3_5	Standard	5.000	5.32	18066.309	49273.773	4.583	4.9	-2.1	NO		NO	bb
5	5 171002M3_6	Standard	5.000	5.33	21596.535	54922.918	4.915	5.2	4.9	NO		NO	bb
6	6 171002M3_7	Standard	5.000	5.32	19999.318	59100.023	4.230	4.5	-9.7	NO		NO	bb
7	7 171002M3_8	Standard	5.000	5.32	18044.875	55193.512	4.087	4.4	-12.7	NO		NO	bb
8	8 171002M3_9	Standard	5.000	5.32	20434.301	47393.152	5.390	5.8	15.1	NO		NO	bb
9	9 171002M3_10	Standard	5.000	5.33	20059.559	47432.723	5.286	5.6	12.9	NO		NO	bb

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Compound name: d7-N-MeFOSE

Response Factor: 0.112941

RRF SD: 0.00847347, Relative SD: 7.50258

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 171002M3_2	Standard	150.000	5.64	74441.688	55855.207	16.660	147.5	-1.7	NO		NO	MM
2	2 171002M3_3	Standard	150.000	5.65	71710.469	52691.590	17.012	150.6	0.4	NO		NO	MM
3	3 171002M3_4	Standard	150.000	5.64	76274.805	58511.461	16.295	144.3	-3.8	NO		NO	MM
4	4 171002M3_5	Standard	150.000	5.65	67348.094	49273.773	17.085	151.3	0.9	NO		NO	MM
5	5 171002M3_6	Standard	150.000	5.65	73431.852	54922.918	16.712	148.0	-1.3	NO		NO	MM
6	6 171002M3_7	Standard	150.000	5.65	71098.648	59100.023	15.038	133.1	-11.2	NO		NO	MM
7	7 171002M3_8	Standard	150.000	5.65	70871.891	55193.512	16.051	142.1	-5.3	NO		NO	MM
8	8 171002M3_9	Standard	150.000	5.65	68689.813	47393.152	18.117	160.4	6.9	NO		NO	MM
9	9 171002M3_10	Standard	150.000	5.65	73997.203	47432.723	19.501	172.7	15.1	NO		NO	MM

Compound name: d9-N-EtFOSE

Response Factor: 0.115527

RRF SD: 0.00865725, Relative SD: 7.49369

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 171002M3_2	Standard	150.000	5.84	76221.969	55855.207	17.058	147.7	-1.6	NO		NO	bb
2	2 171002M3_3	Standard	150.000	5.85	74083.711	52691.590	17.575	152.1	1.4	NO		NO	MM
3	3 171002M3_4	Standard	150.000	5.84	78594.977	58511.461	16.791	145.3	-3.1	NO		NO	MM
4	4 171002M3_5	Standard	150.000	5.85	68225.016	49273.773	17.308	149.8	-0.1	NO		NO	MM
5	5 171002M3_6	Standard	150.000	5.85	75349.609	54922.918	17.149	148.4	-1.0	NO		NO	MM
6	6 171002M3_7	Standard	150.000	5.85	71989.109	59100.023	15.226	131.8	-12.1	NO		NO	MM
7	7 171002M3_8	Standard	150.000	5.84	72386.203	55193.512	16.394	141.9	-5.4	NO		NO	MM
8	8 171002M3_9	Standard	150.000	5.84	71013.281	47393.152	18.730	162.1	8.1	NO		NO	MM
9	9 171002M3_10	Standard	150.000	5.85	74875.609	47432.723	19.732	170.8	13.9	NO		NO	MM

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Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	12.500	1.43	20724.111	20724.111	12.500	12.5	0.0	NO		NO	bb
2	171002M3_3	Standard	12.500	1.43	21610.912	21610.912	12.500	12.5	0.0	NO		NO	bb
3	171002M3_4	Standard	12.500	1.43	22784.803	22784.803	12.500	12.5	0.0	NO		NO	bb
4	171002M3_5	Standard	12.500	1.43	20285.332	20285.332	12.500	12.5	0.0	NO		NO	bb
5	171002M3_6	Standard	12.500	1.43	22208.746	22208.746	12.500	12.5	0.0	NO		NO	bb
6	171002M3_7	Standard	12.500	1.43	21824.400	21824.400	12.500	12.5	0.0	NO		NO	bb
7	171002M3_8	Standard	12.500	1.43	21811.736	21811.736	12.500	12.5	0.0	NO		NO	bb
8	171002M3_9	Standard	12.500	1.43	20944.541	20944.541	12.500	12.5	0.0	NO		NO	bb
9	171002M3_10	Standard	12.500	1.43	20709.717	20709.717	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 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	171002M3_2	Standard	5.000	3.14	46139.496	46139.496	5.000	5.0	0.0	NO		NO	bb
2	171002M3_3	Standard	5.000	3.14	62495.438	62495.438	5.000	5.0	0.0	NO		NO	bb
3	171002M3_4	Standard	5.000	3.14	59129.316	59129.316	5.000	5.0	0.0	NO		NO	bb
4	171002M3_5	Standard	5.000	3.14	51848.578	51848.578	5.000	5.0	0.0	NO		NO	bb
5	171002M3_6	Standard	5.000	3.14	57620.496	57620.496	5.000	5.0	0.0	NO		NO	bb
6	171002M3_7	Standard	5.000	3.14	61283.691	61283.691	5.000	5.0	0.0	NO		NO	bb
7	171002M3_8	Standard	5.000	3.14	55753.980	55753.980	5.000	5.0	0.0	NO		NO	bb
8	171002M3_9	Standard	5.000	3.14	54564.906	54564.906	5.000	5.0	0.0	NO		NO	bb
9	171002M3_10	Standard	5.000	3.14	55512.539	55512.539	5.000	5.0	0.0	NO		NO	bb

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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.52	10394.896	10394.896	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.52	9951.004	9951.004	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.52	10446.875	10446.875	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.52	10071.582	10071.582	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.52	10469.802	10469.802	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.52	9712.907	9712.907	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.52	9270.950	9270.950	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.52	9456.664	9456.664	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.52	8542.576	8542.576	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 7.85046e-017, Relative SD: 7.85046e-015

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.66	47963.598	47963.598	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.66	47298.113	47298.113	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.66	49194.703	49194.703	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.66	44589.230	44589.230	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.66	53994.152	53994.152	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.66	48811.898	48811.898	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.66	50390.758	50390.758	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.66	47539.465	47539.465	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.66	46614.207	46614.207	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.86	62769.227	62769.227	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.86	57497.250	57497.250	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.86	69351.930	69351.930	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.87	60921.938	60921.938	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.87	64743.938	64743.938	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.87	60014.594	60014.594	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.86	59413.109	59413.109	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.87	57498.789	57498.789	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.86	55573.609	55573.609	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 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	3.93	12752.723	12752.723	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	3.93	11185.657	11185.657	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	3.93	11281.301	11281.301	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	3.94	10120.529	10120.529	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	3.93	11744.584	11744.584	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	3.93	10485.016	10485.016	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	3.93	11174.148	11174.148	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	3.93	9954.596	9954.596	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	3.93	9748.166	9748.166	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
 Printed: Monday, October 02, 2017 14:11:59 Pacific Daylight Time

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171002M3_2	Standard	12.500	4.06	50578.129	50578.129	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	4.06	45502.566	45502.566	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	4.06	54657.438	54657.438	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	4.07	44774.246	44774.246	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	4.07	50381.734	50381.734	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	4.06	47249.832	47249.832	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	4.06	46991.918	46991.918	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	4.07	48739.754	48739.754	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	4.06	47229.898	47229.898	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUa

Response Factor: 1

RRF SD: 1.24127e-016, Relative SD: 1.24127e-014

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 171002M3_2	Standard	12.500	4.26	55855.207	55855.207	12.500	12.5	0.0	NO		NO	bb
2	2 171002M3_3	Standard	12.500	4.25	52691.590	52691.590	12.500	12.5	0.0	NO		NO	bb
3	3 171002M3_4	Standard	12.500	4.25	58511.461	58511.461	12.500	12.5	0.0	NO		NO	bb
4	4 171002M3_5	Standard	12.500	4.26	49273.773	49273.773	12.500	12.5	0.0	NO		NO	bb
5	5 171002M3_6	Standard	12.500	4.26	54922.918	54922.918	12.500	12.5	0.0	NO		NO	bb
6	6 171002M3_7	Standard	12.500	4.26	59100.023	59100.023	12.500	12.5	0.0	NO		NO	bb
7	7 171002M3_8	Standard	12.500	4.25	55193.512	55193.512	12.500	12.5	0.0	NO		NO	bb
8	8 171002M3_9	Standard	12.500	4.26	47393.152	47393.152	12.500	12.5	0.0	NO		NO	bb
9	9 171002M3_10	Standard	12.500	4.26	47432.723	47432.723	12.500	12.5	0.0	NO		NO	bb

Dataset: Untitled

Last Altered: Monday, October 02, 2017 14:57:58 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:59:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171002M3_1	IPA	02-Oct-17	10:19:30
2	171002M3_2	ST171002M3-1 PFC CS-2 17I2910	02-Oct-17	10:30:17
3	171002M3_3	ST171002M3-2 PFC CS-1 17I2911	02-Oct-17	10:41:05
4	171002M3_4	ST171002M3-3 PFC CS0 17I2912	02-Oct-17	10:51:58
5	171002M3_5	ST171002M3-4 PFC CS1 17I2913	02-Oct-17	11:02:45
6	171002M3_6	ST171002M3-5 PFC CS2 17I2925	02-Oct-17	11:13:39
7	171002M3_7	ST171002M3-6 PFC CS3 17I2915	02-Oct-17	11:24:36
8	171002M3_8	ST171002M3-7 PFC CS4 17I2916	02-Oct-17	11:35:29
9	171002M3_9	ST171002M3-8 PFC CS5 17I2917	02-Oct-17	11:46:23
10	171002M3_10	ST171002M3-9 PFC CS6 17I2918	02-Oct-17	11:57:11
11	171002M3_11	ST171002M3-10 PFC CS7 17I2919	02-Oct-17	12:08:24
12	171002M3_12	IPA	02-Oct-17	12:19:18
13	171002M3_13	ICV171002M3-1 PFC ICV 17I2920	02-Oct-17	12:30:04
14	171002M3_14	IPA	02-Oct-17	12:41:01

Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:07:38

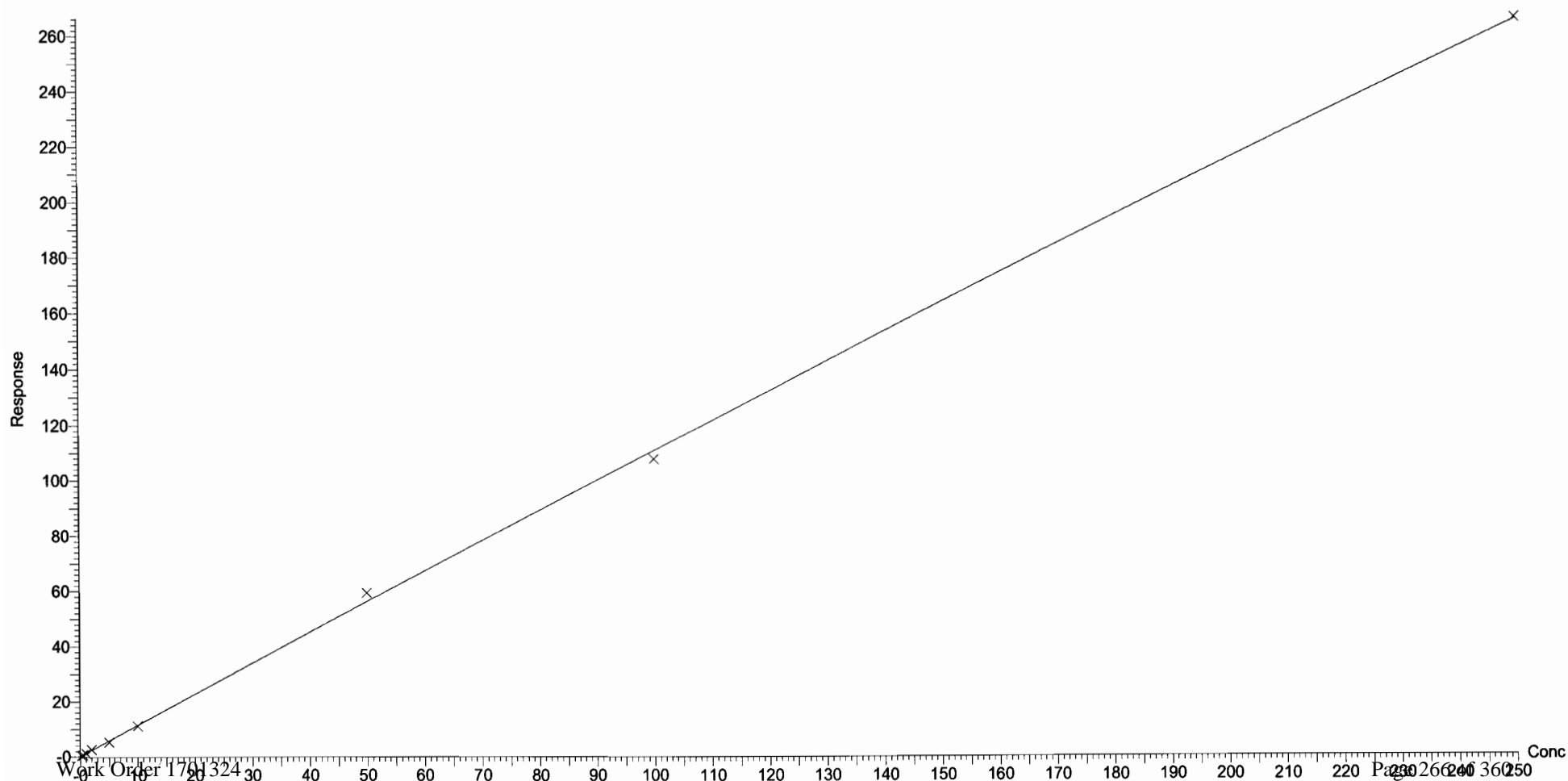
Compound name: PFBA

Coefficient of Determination: $R^2 = 0.999209$

Calibration curve: $-0.000305131 * x^2 + 1.13877 * x + 0.0314081$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

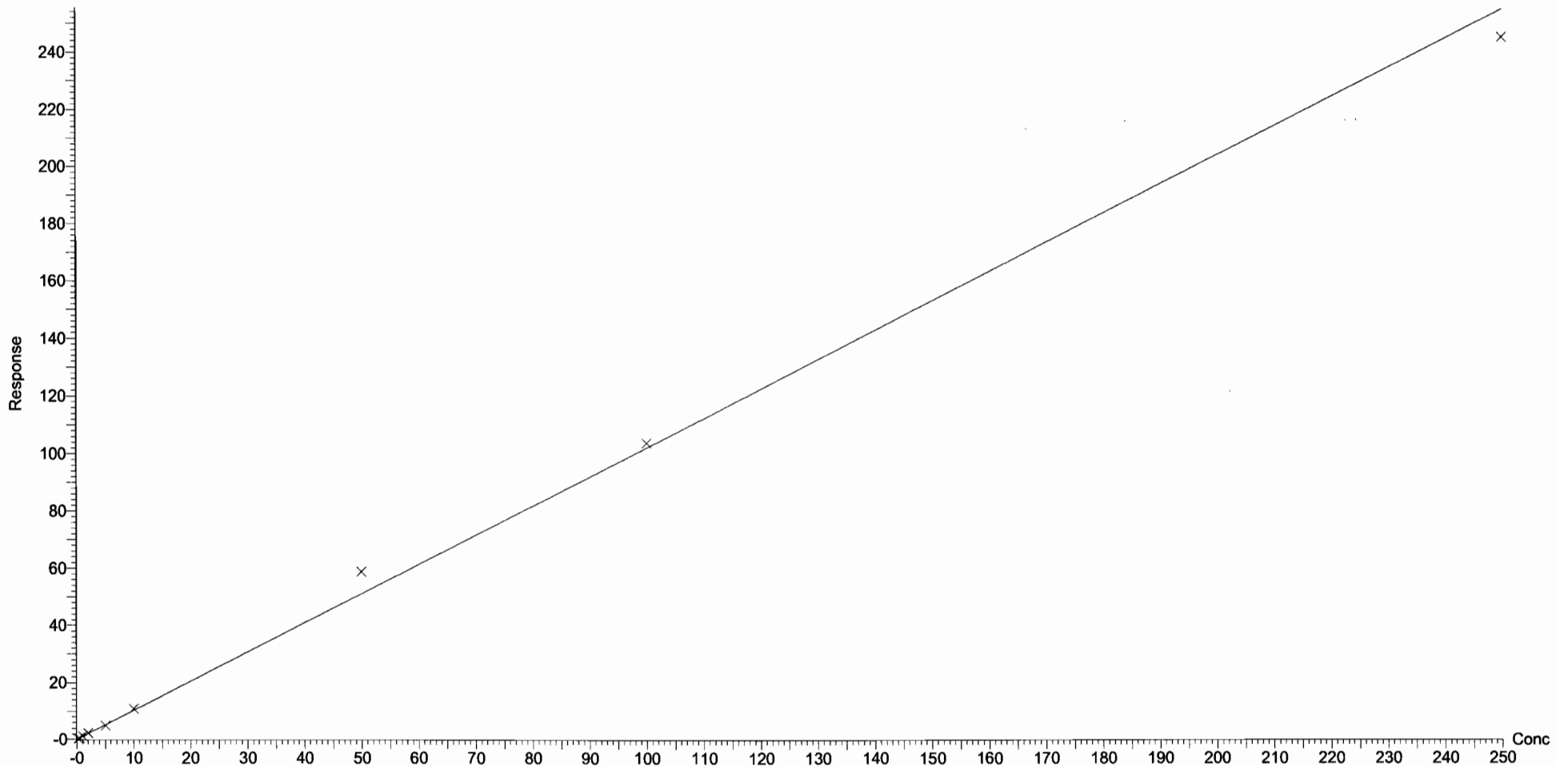
Compound name: PFPeA

Correlation coefficient: $r = 0.998015$, $r^2 = 0.996033$

Calibration curve: $1.02158 * x + 0.0803883$

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

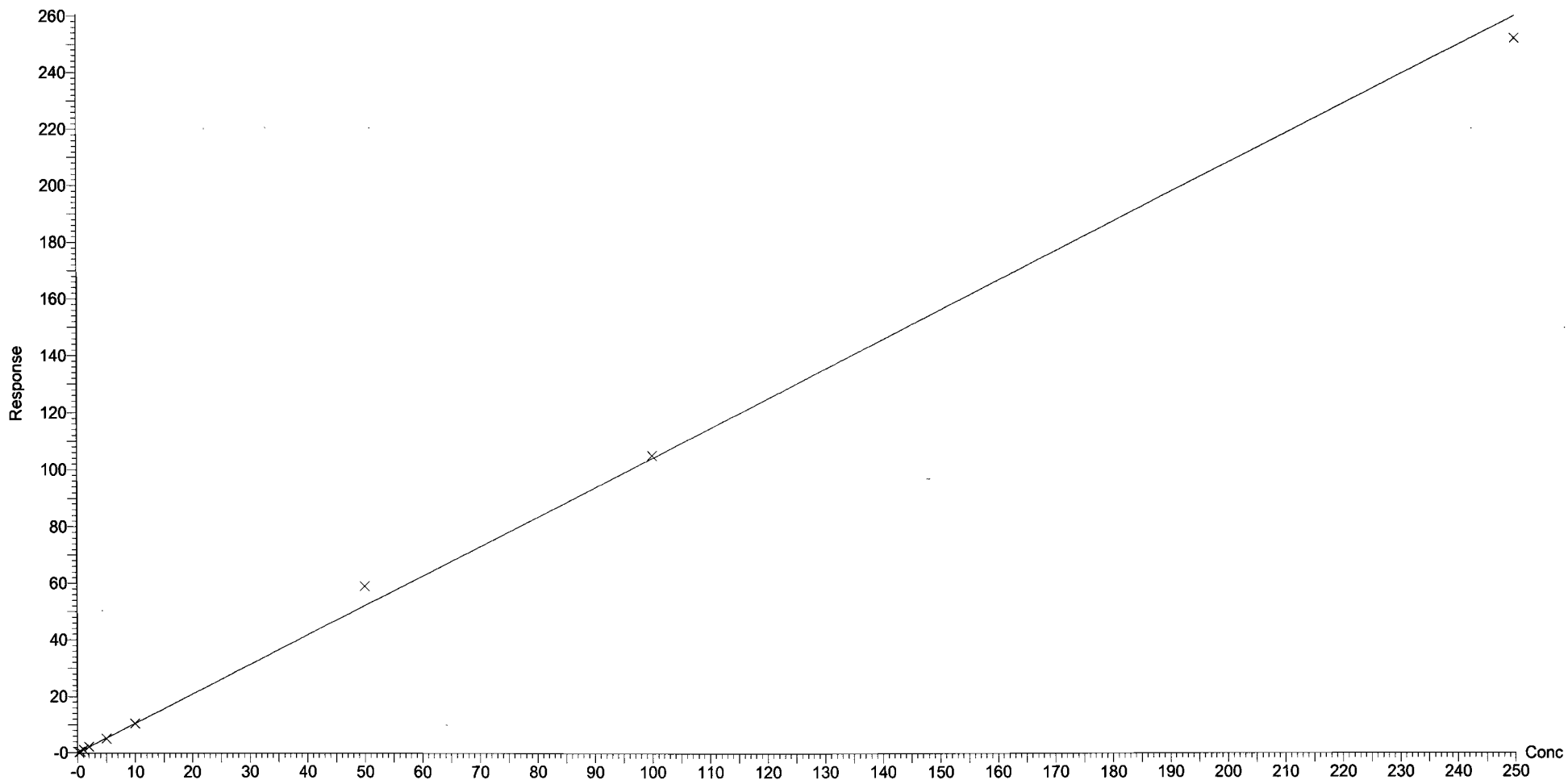
Compound name: PFBS

Correlation coefficient: $r = 0.998552$, $r^2 = 0.997107$

Calibration curve: $1.04189 * x + 0.0229287$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

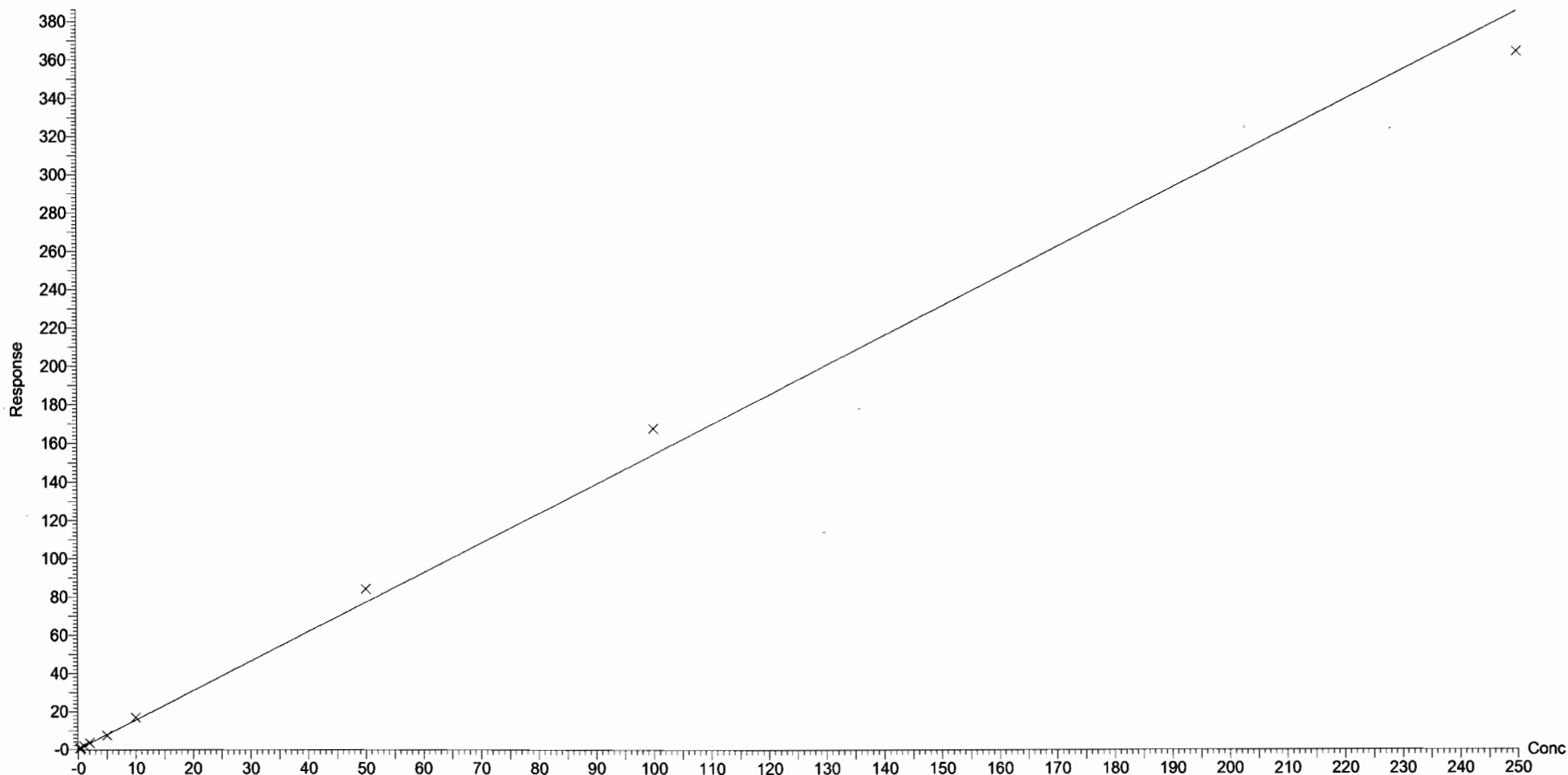
Compound name: PFHxA

Correlation coefficient: $r = 0.997543$, $r^2 = 0.995093$

Calibration curve: $1.54397 * x + 0.152112$

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

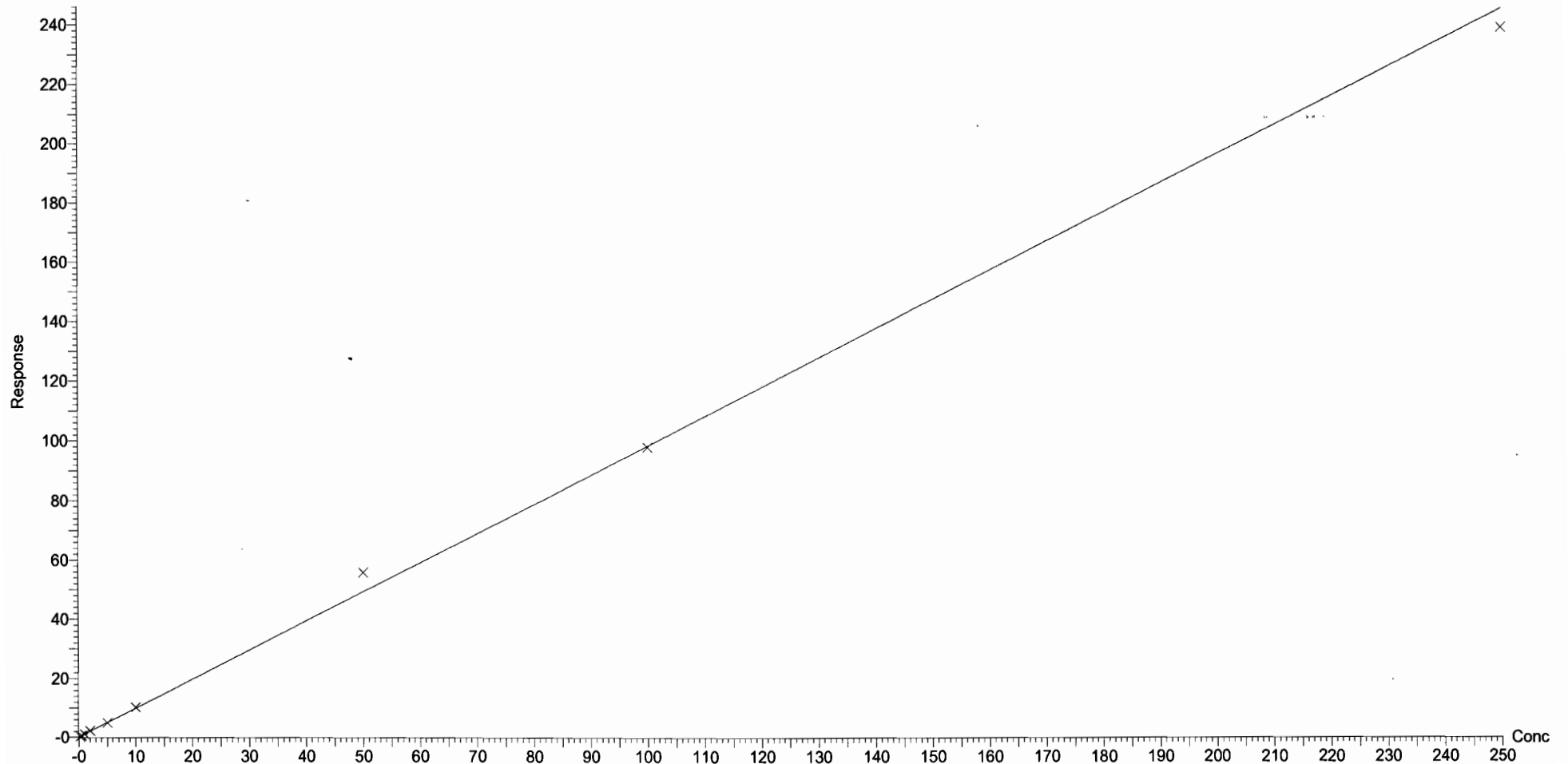
Compound name: PFHpA

Correlation coefficient: $r = 0.998692$, $r^2 = 0.997385$

Calibration curve: $0.984142 * x + 0.10429$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

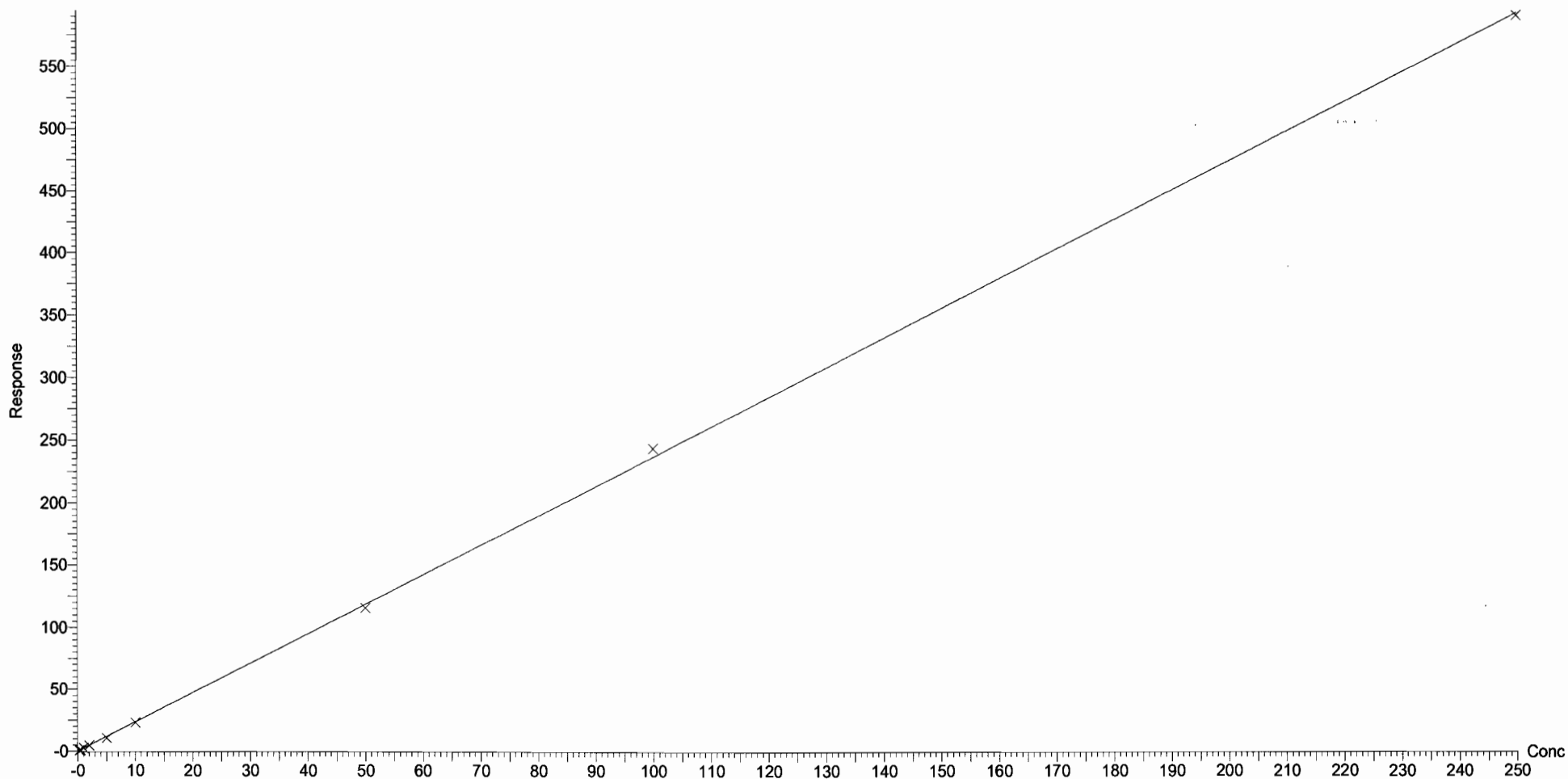
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999471$

Calibration curve: $4.06931e-005 * x^2 + 2.3668 * x + 0.0764598$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

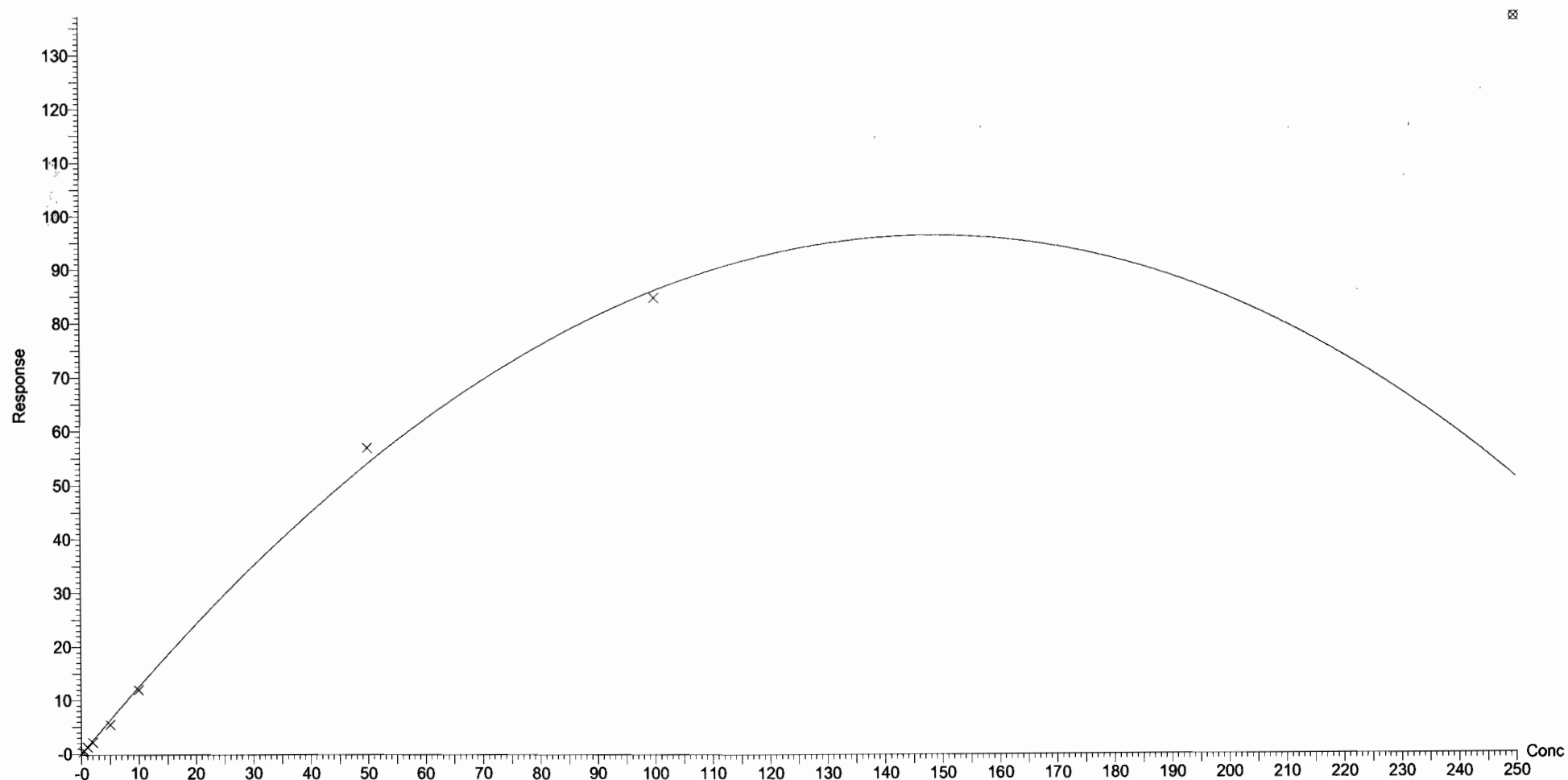
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.996999$

Calibration curve: $-0.00438102 * x^2 + 1.30087 * x + -0.070726$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

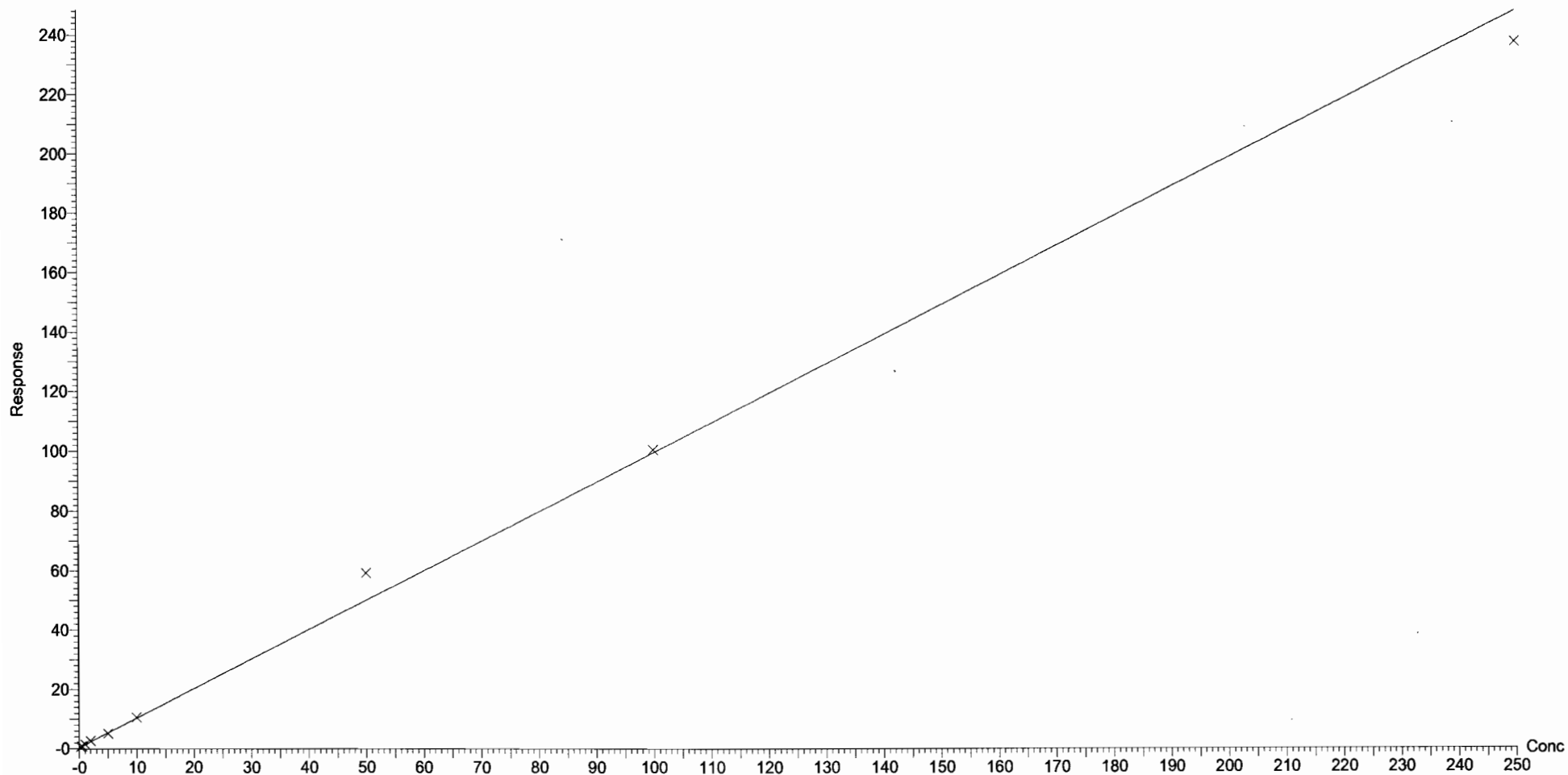
Compound name: L-PFOA

Correlation coefficient: $r = 0.997287$, $r^2 = 0.994582$

Calibration curve: $0.99187 * x + 0.369232$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:38:56 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

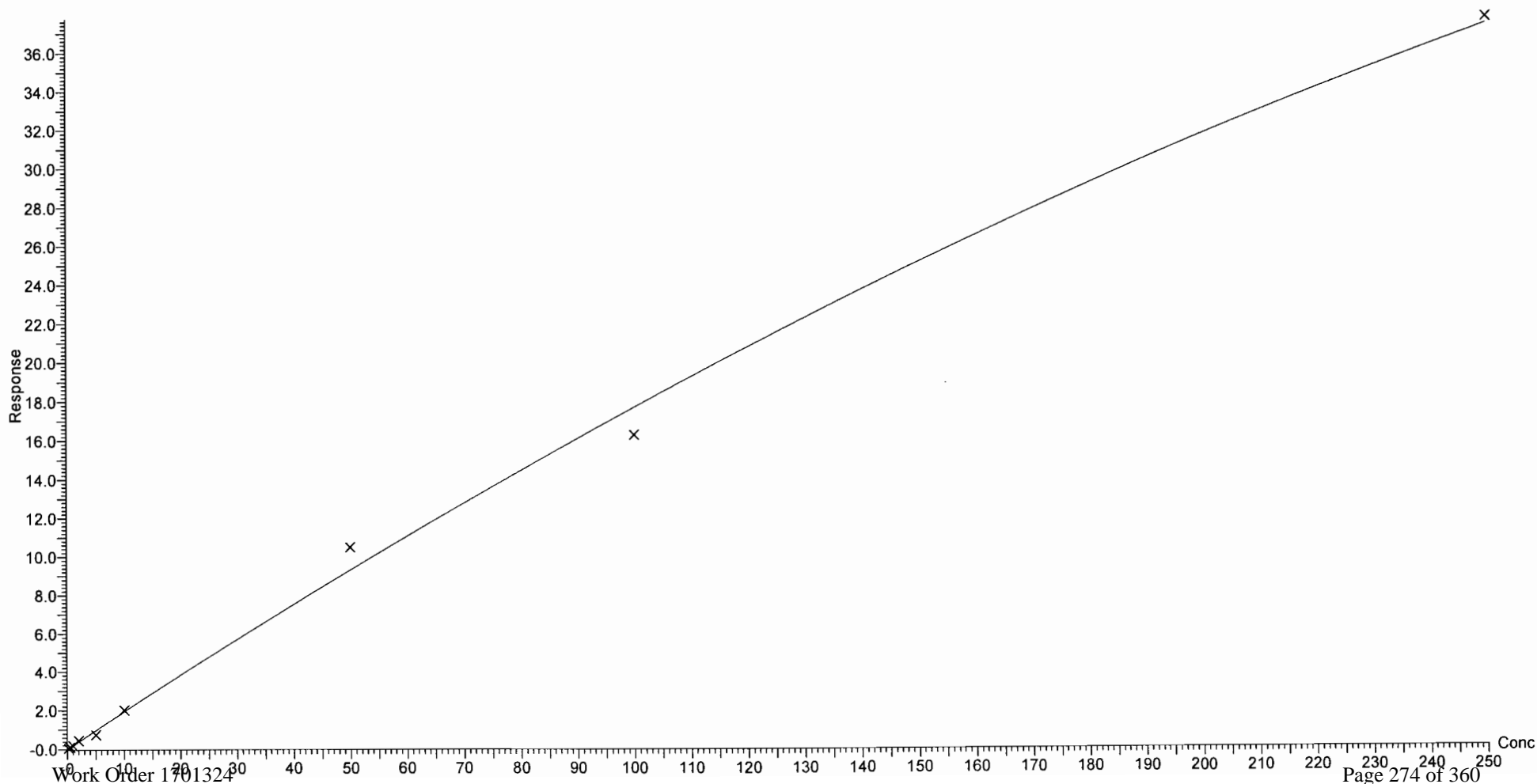
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.994335$

Calibration curve: $-0.000183087 * x^2 + 0.195388 * x$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

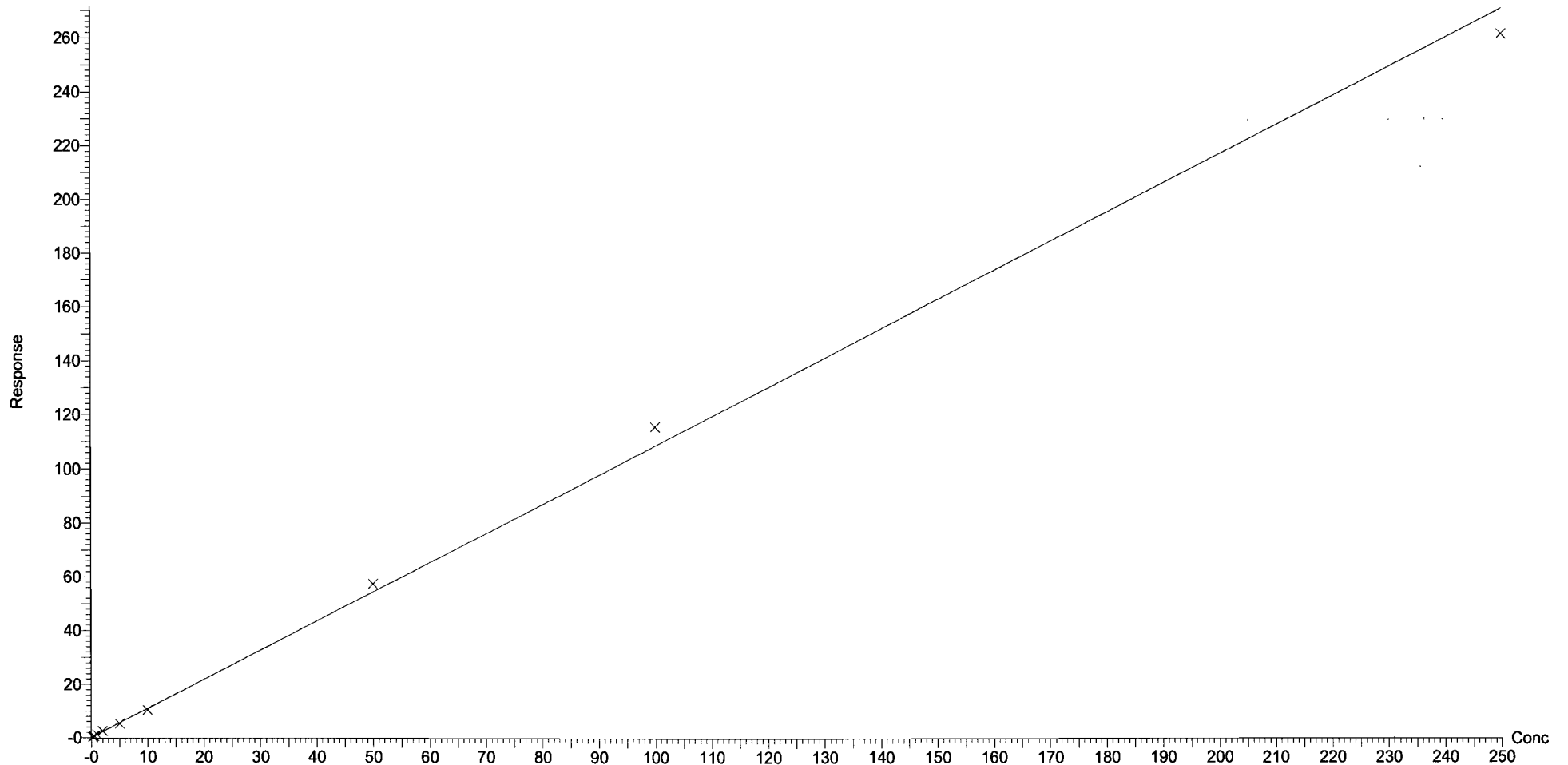
Compound name: PFNA

Correlation coefficient: $r = 0.998829$, $r^2 = 0.997659$

Calibration curve: $1.08615 * x + 0.149312$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

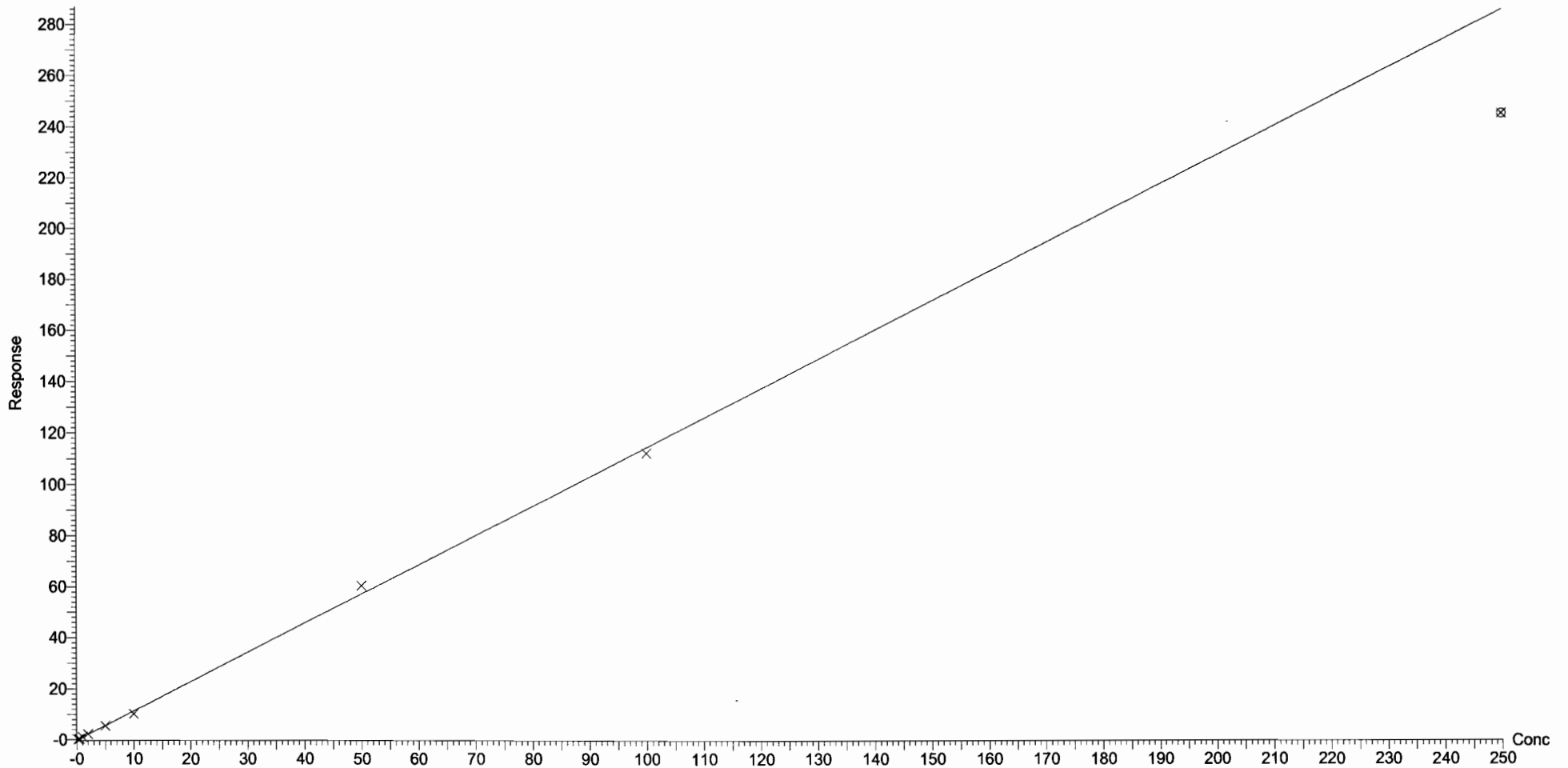


Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Compound name: PFOSA
Correlation coefficient: $r = 0.998942$, $r^2 = 0.997885$
Calibration curve: $1.1475 * x + -0.131558$
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

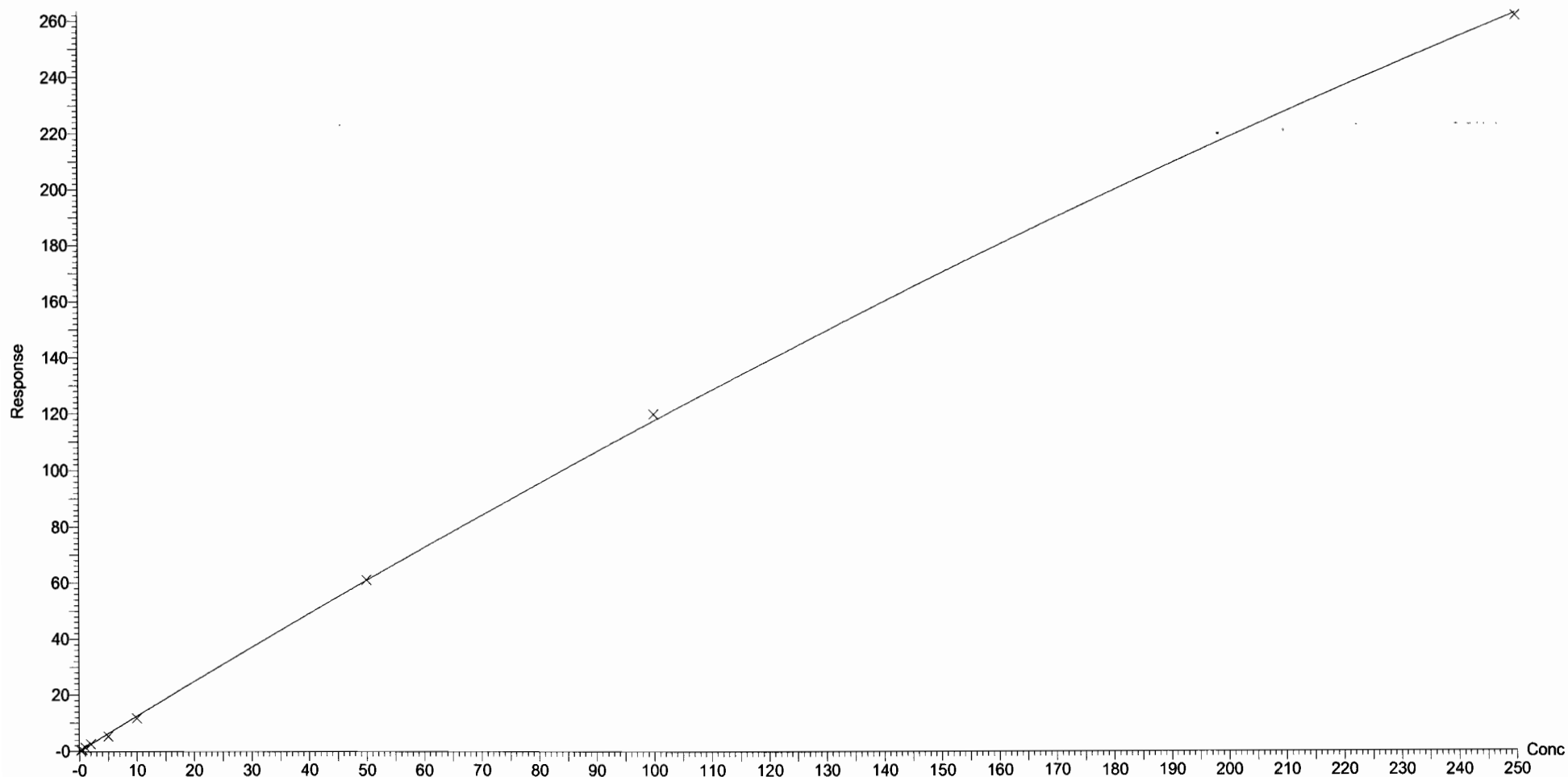
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999395$

Calibration curve: $-0.000824789 * x^2 + 1.25962 * x + -0.0252568$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

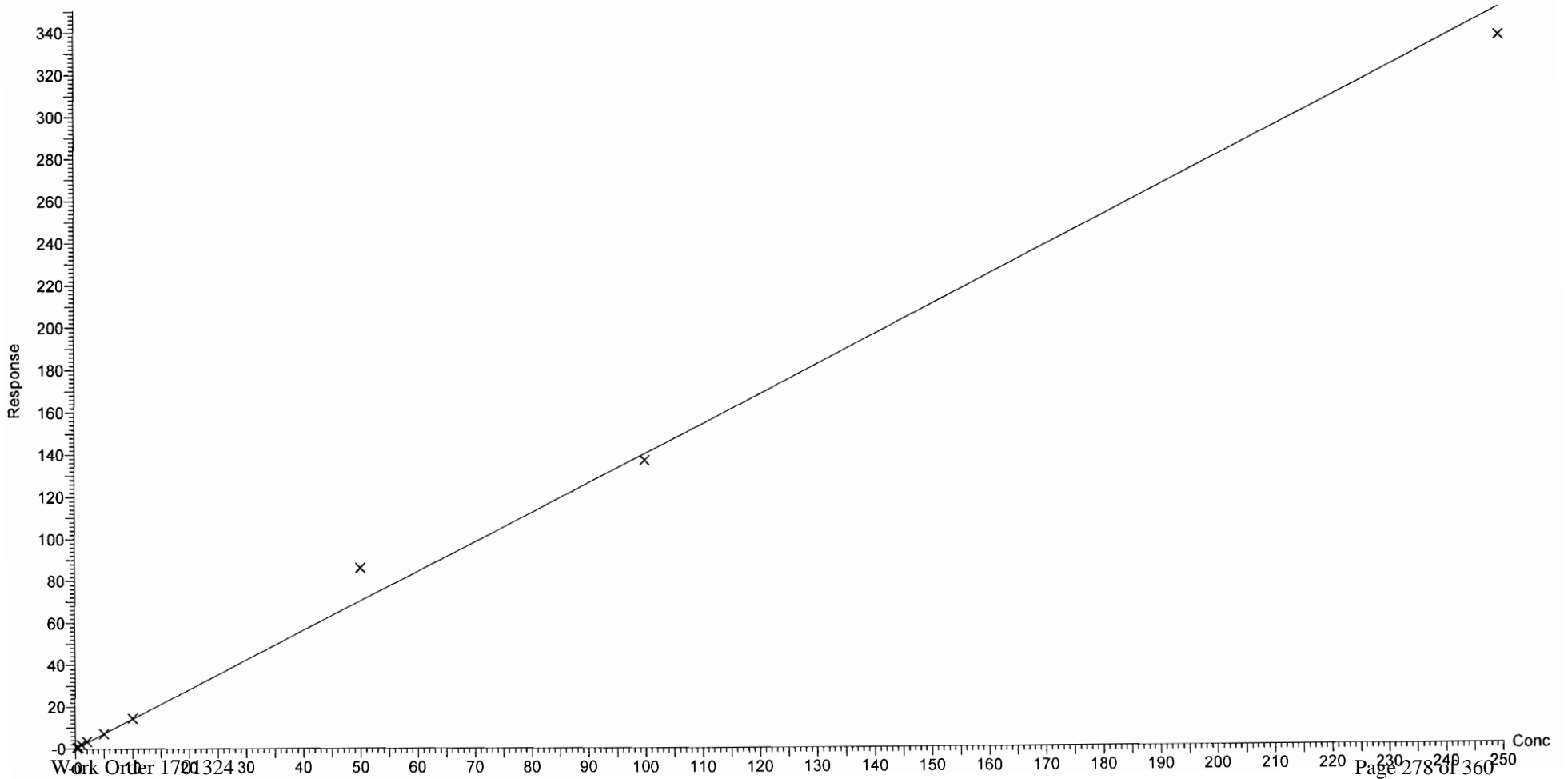


Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Tuesday, October 03, 2017 08:43:08 Pacific Daylight Time
Printed: Tuesday, October 03, 2017 08:44:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Compound name: PFDA
Correlation coefficient: $r = 0.996213$, $r^2 = 0.992441$
Calibration curve: $1.40142 * x + 0.0968349$
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

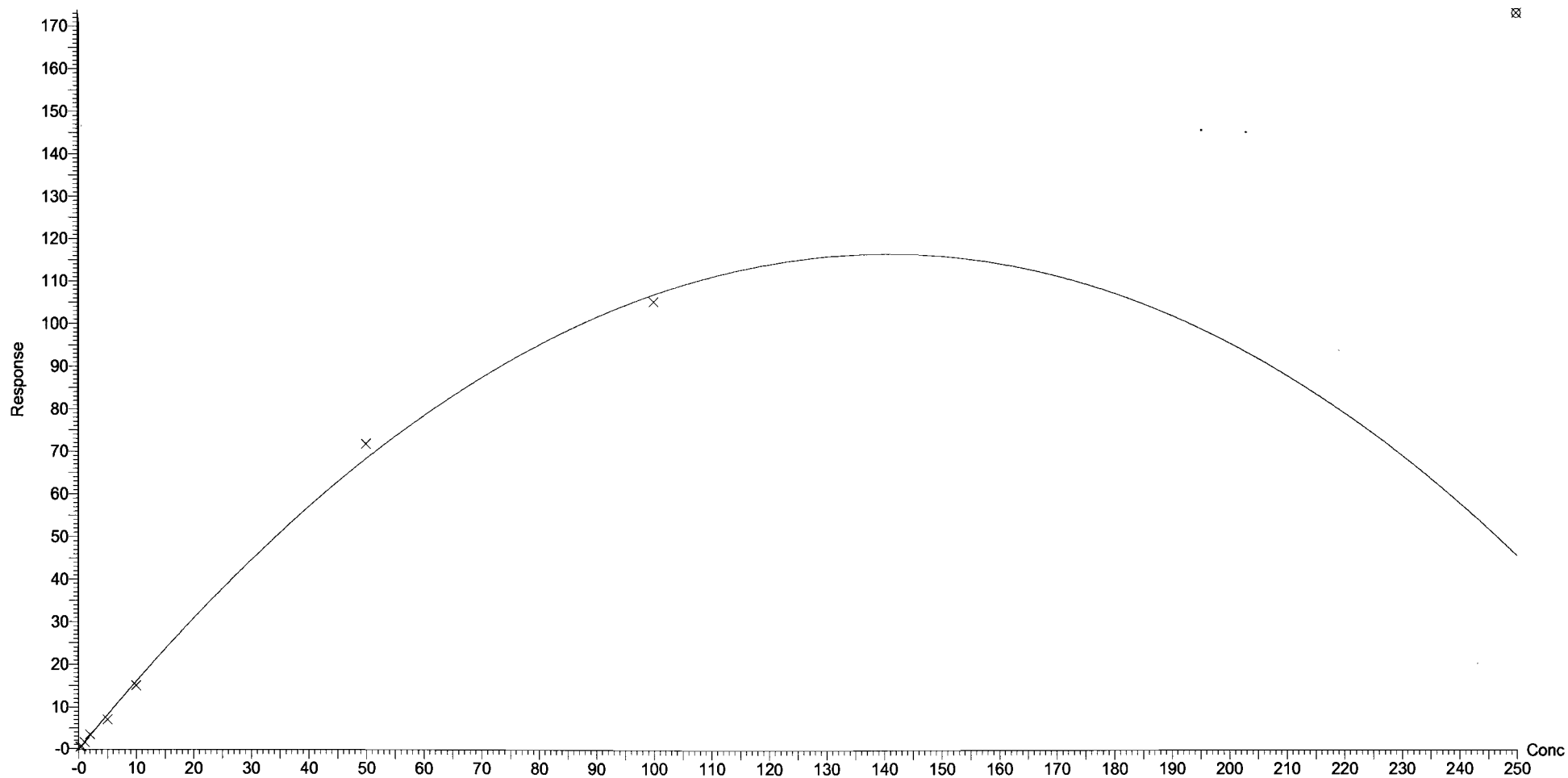
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.997038$

Calibration curve: $-0.00591714 * x^2 + 1.66287 * x + -0.0381655$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

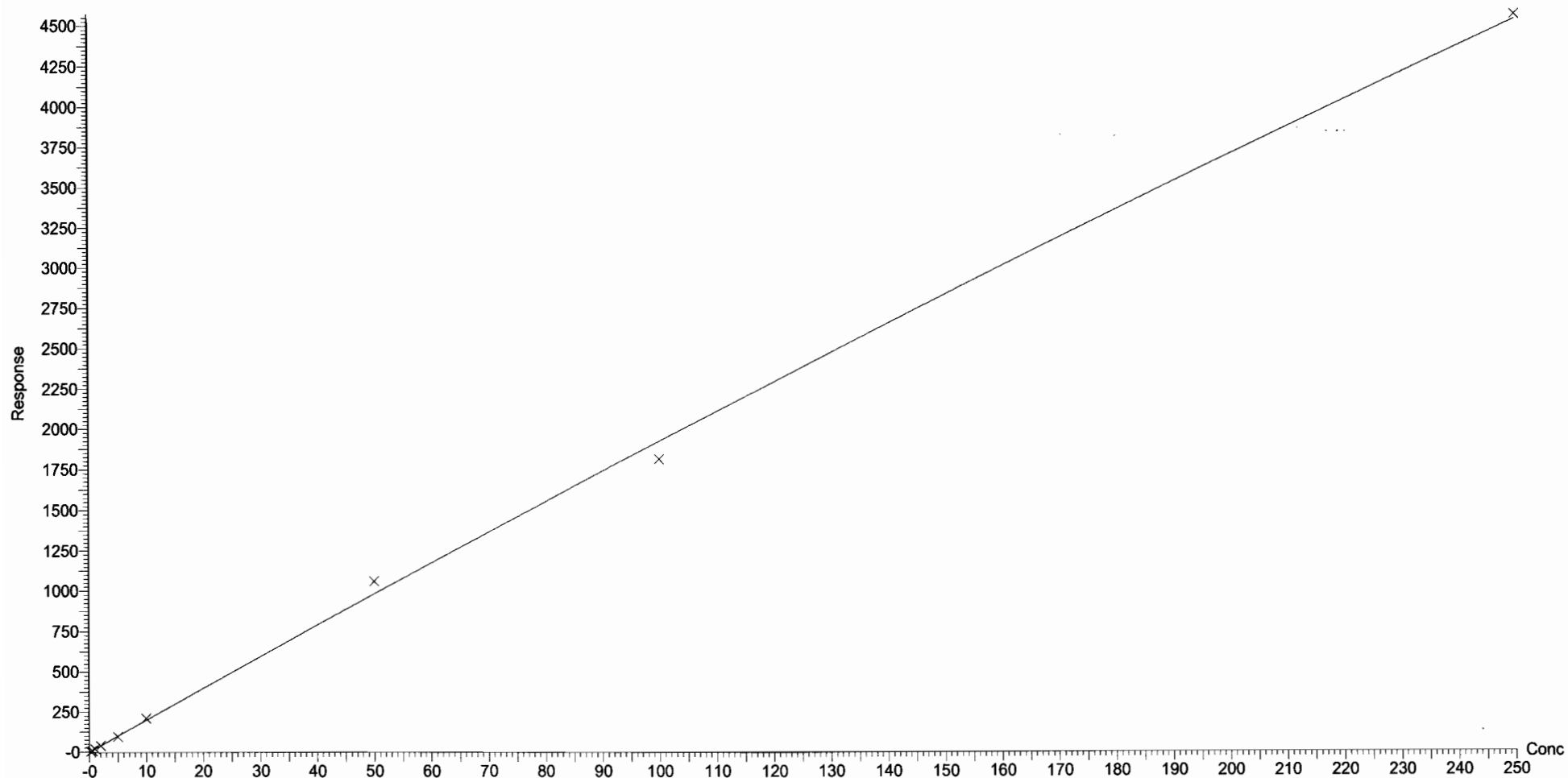
Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.998122$

Calibration curve: $-0.0073405 * x^2 + 20.0079 * x + -0.553846$

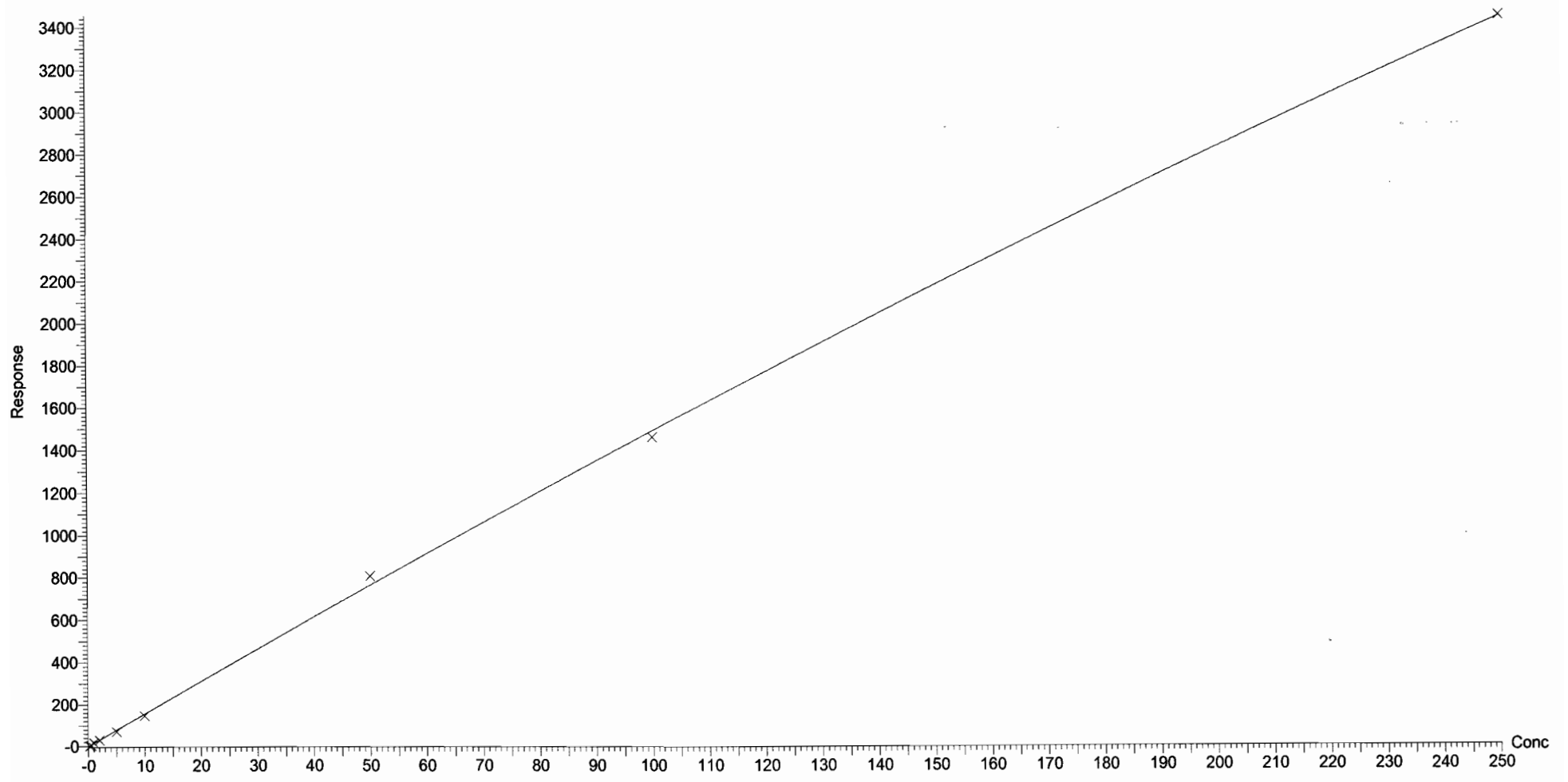
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld
Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Compound name: N-EtFOSAA
Coefficient of Determination: $R^2 = 0.999189$
Calibration curve: $-0.00748804 * x^2 + 15.6798 * x + -0.643211$
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

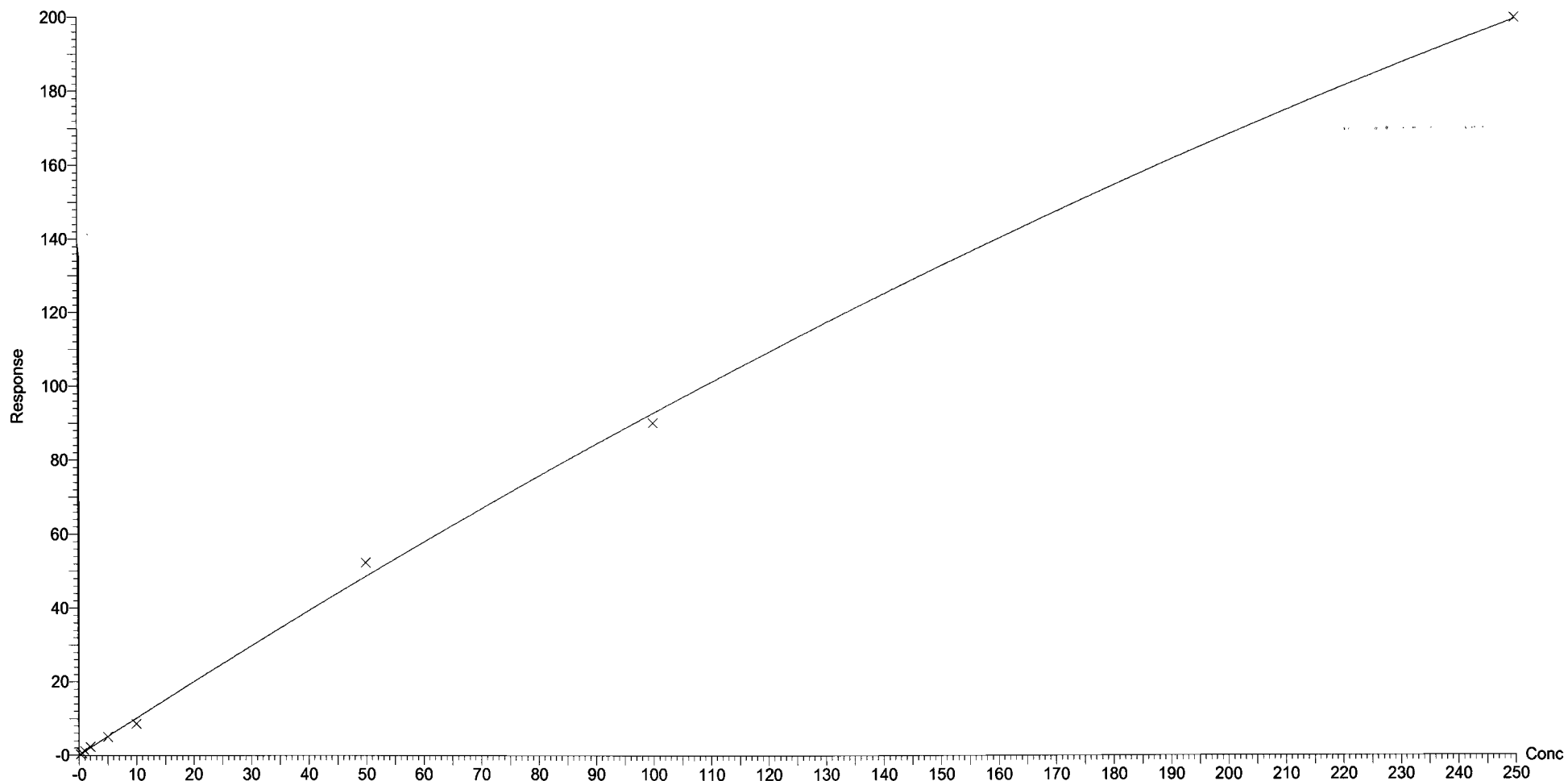


Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Compound name: PFUnA
Coefficient of Determination: $R^2 = 0.997964$
Calibration curve: $-0.00085863 * x^2 + 1.01316 * x + 0.0583477$
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

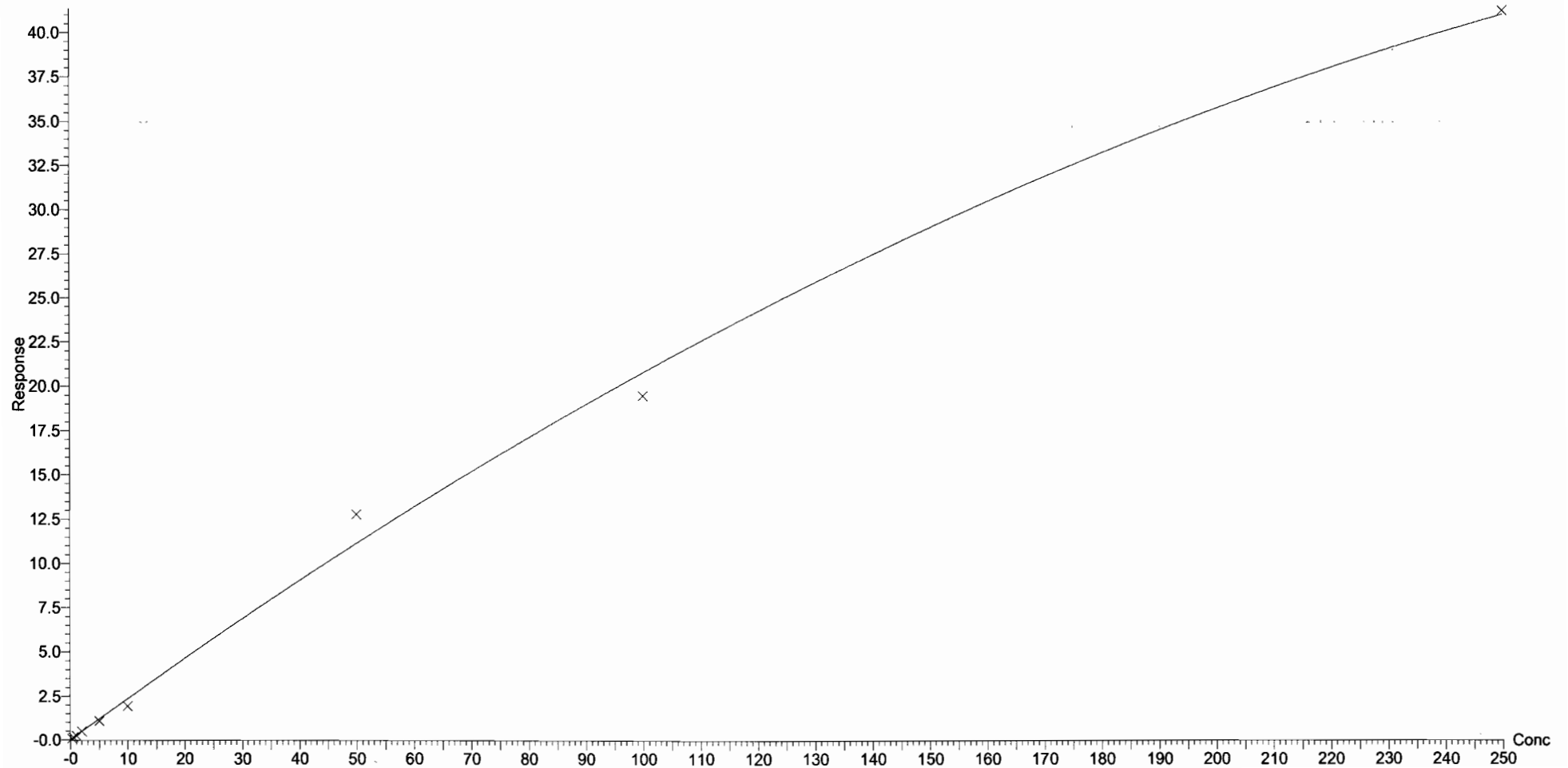
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.993521$

Calibration curve: $-0.000291241 * x^2 + 0.23725 * x + 0.0195204$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

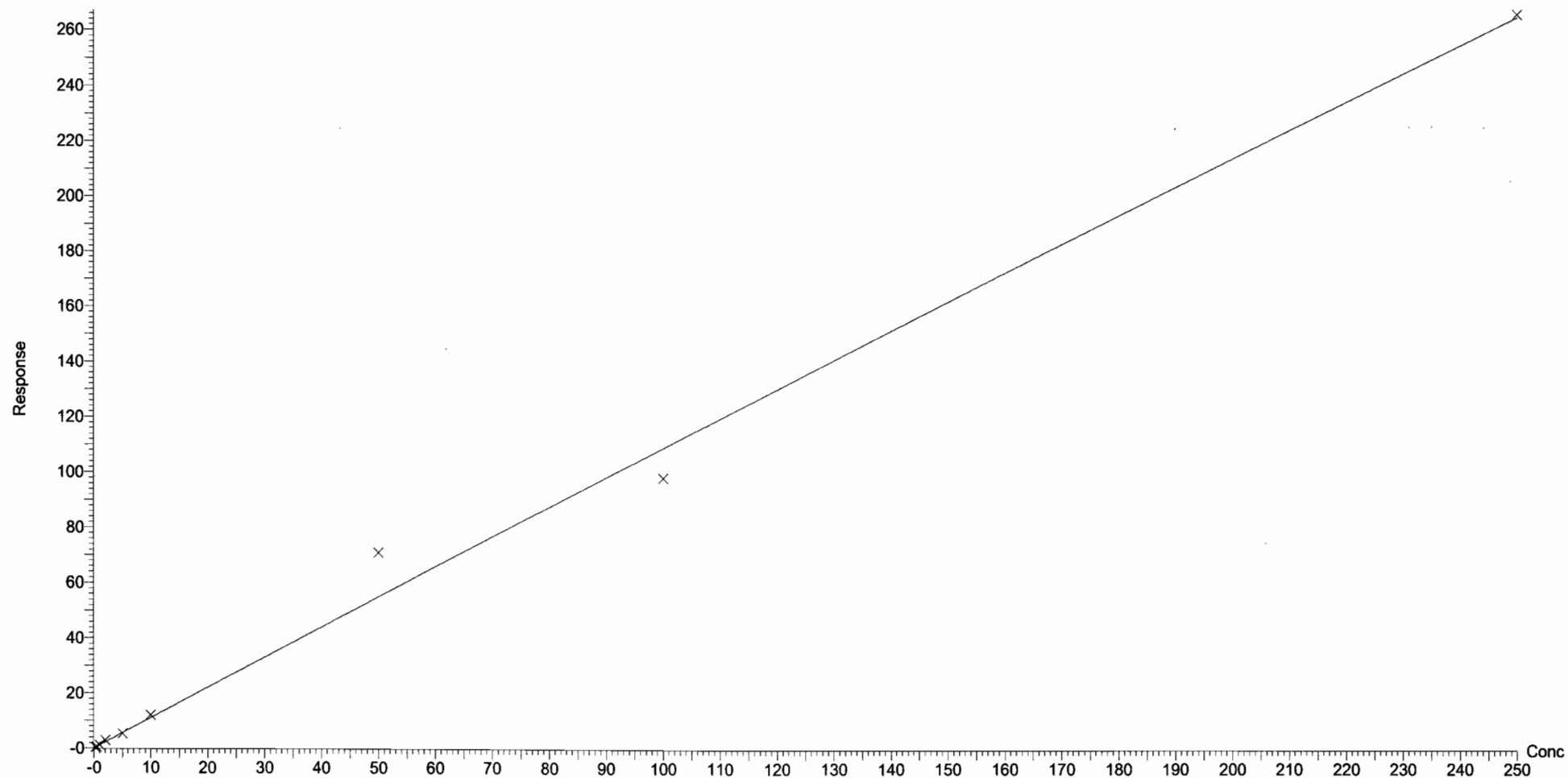
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.994029$

Calibration curve: $-0.000184723 * x^2 + 1.10966 * x$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:43:27 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

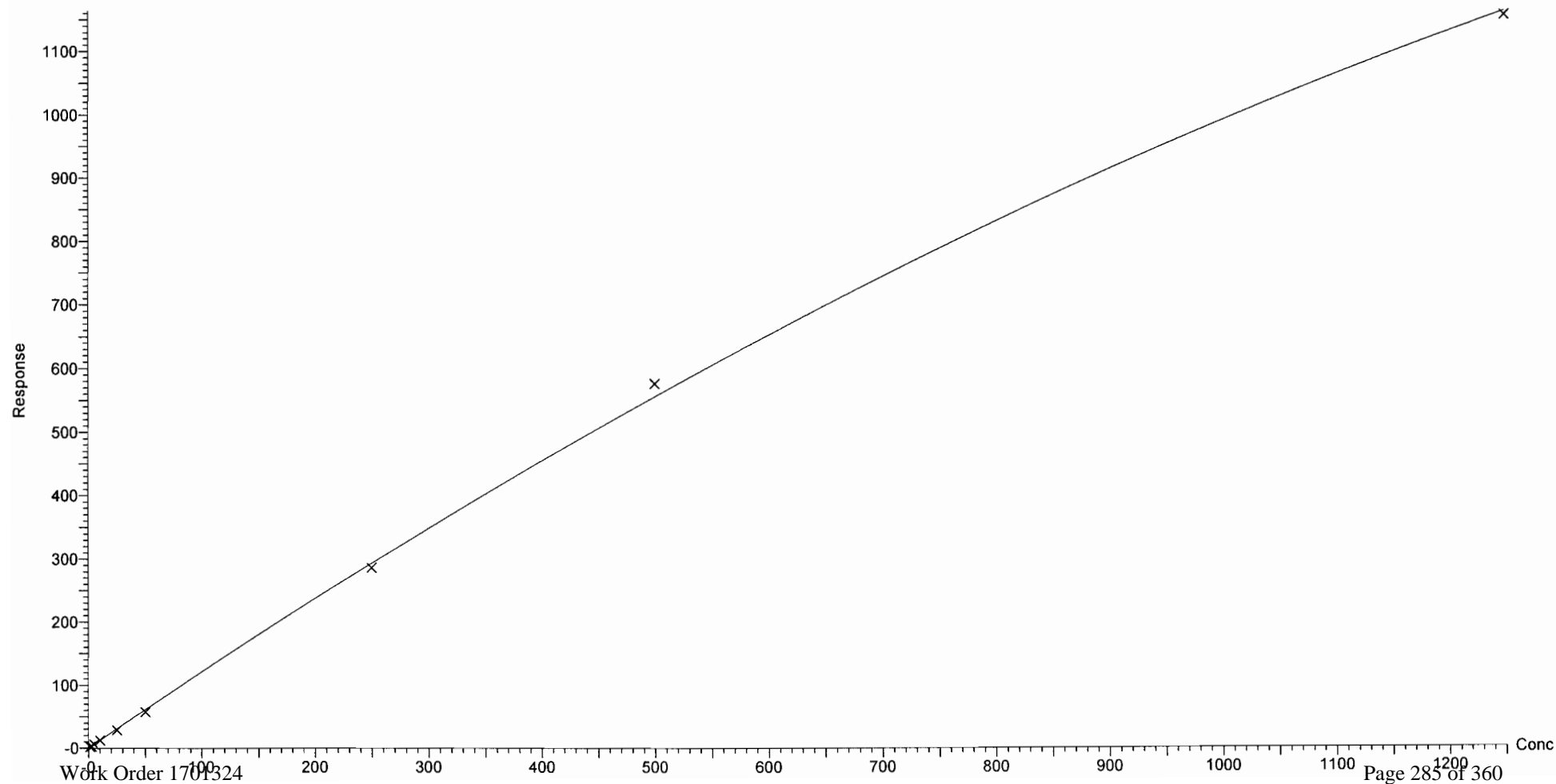
Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999167$

Calibration curve: $-0.000242551 * x^2 + 1.23384 * x + -0.0106333$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

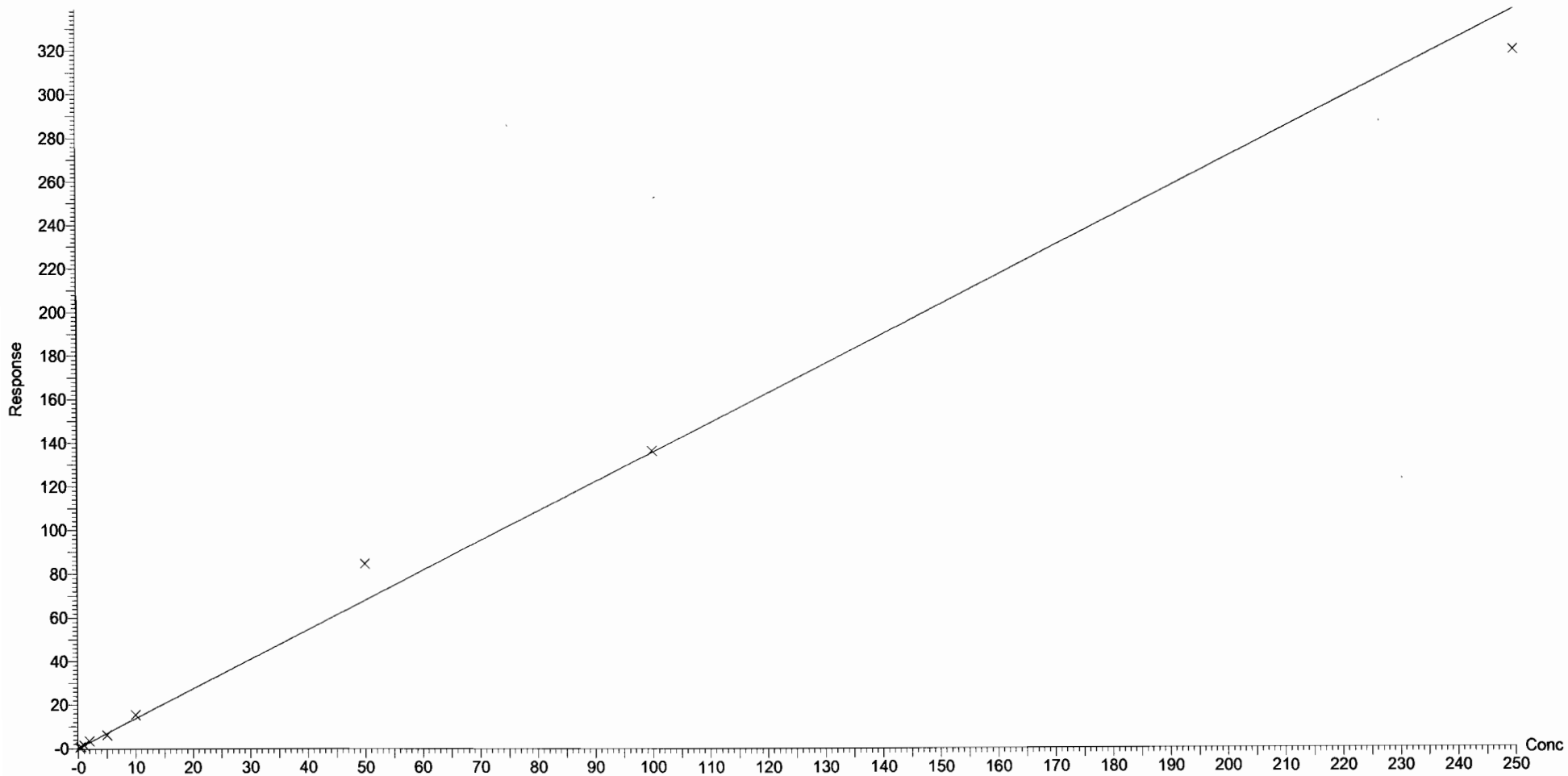
Compound name: PFTrDA

Correlation coefficient: $r = 0.994999$, $r^2 = 0.990022$

Calibration curve: $1.35464 * x + 0.198109$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

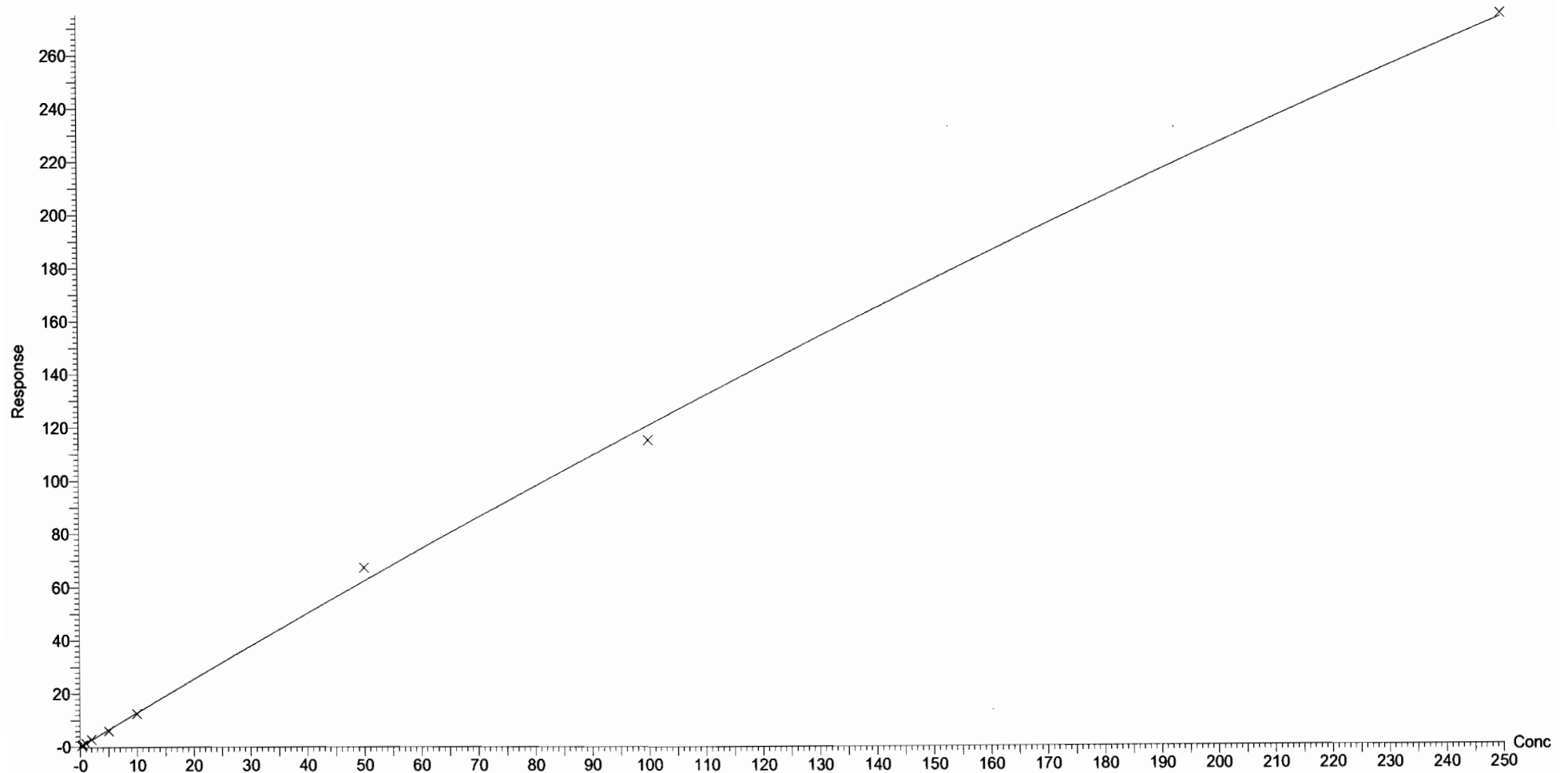
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998378$

Calibration curve: $-0.000744199 * x^2 + 1.28106 * x + 0.0831674$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:44:01 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

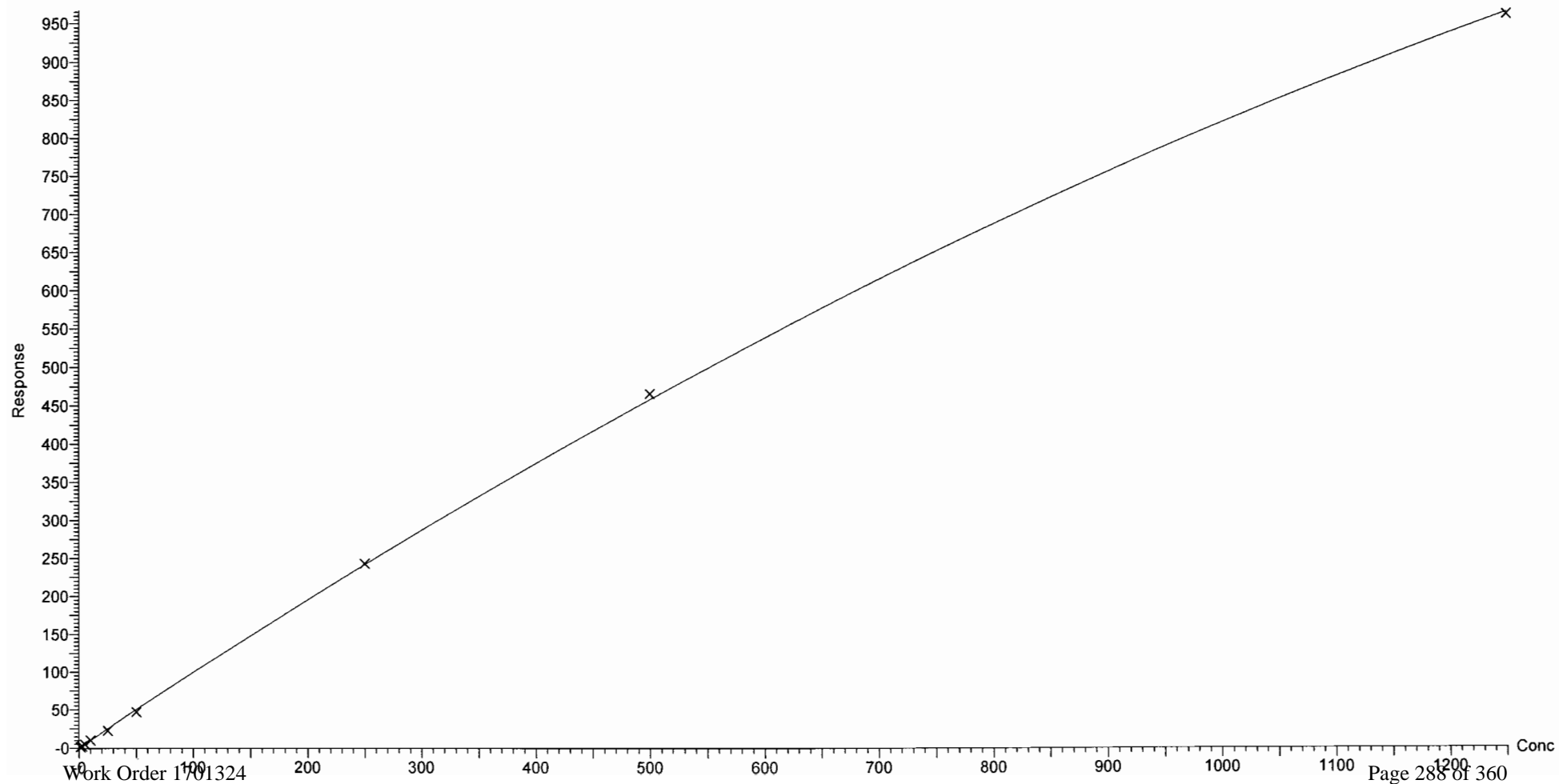
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999579$

Calibration curve: $-0.000193194 * x^2 + 1.015 * x + -0.10716$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

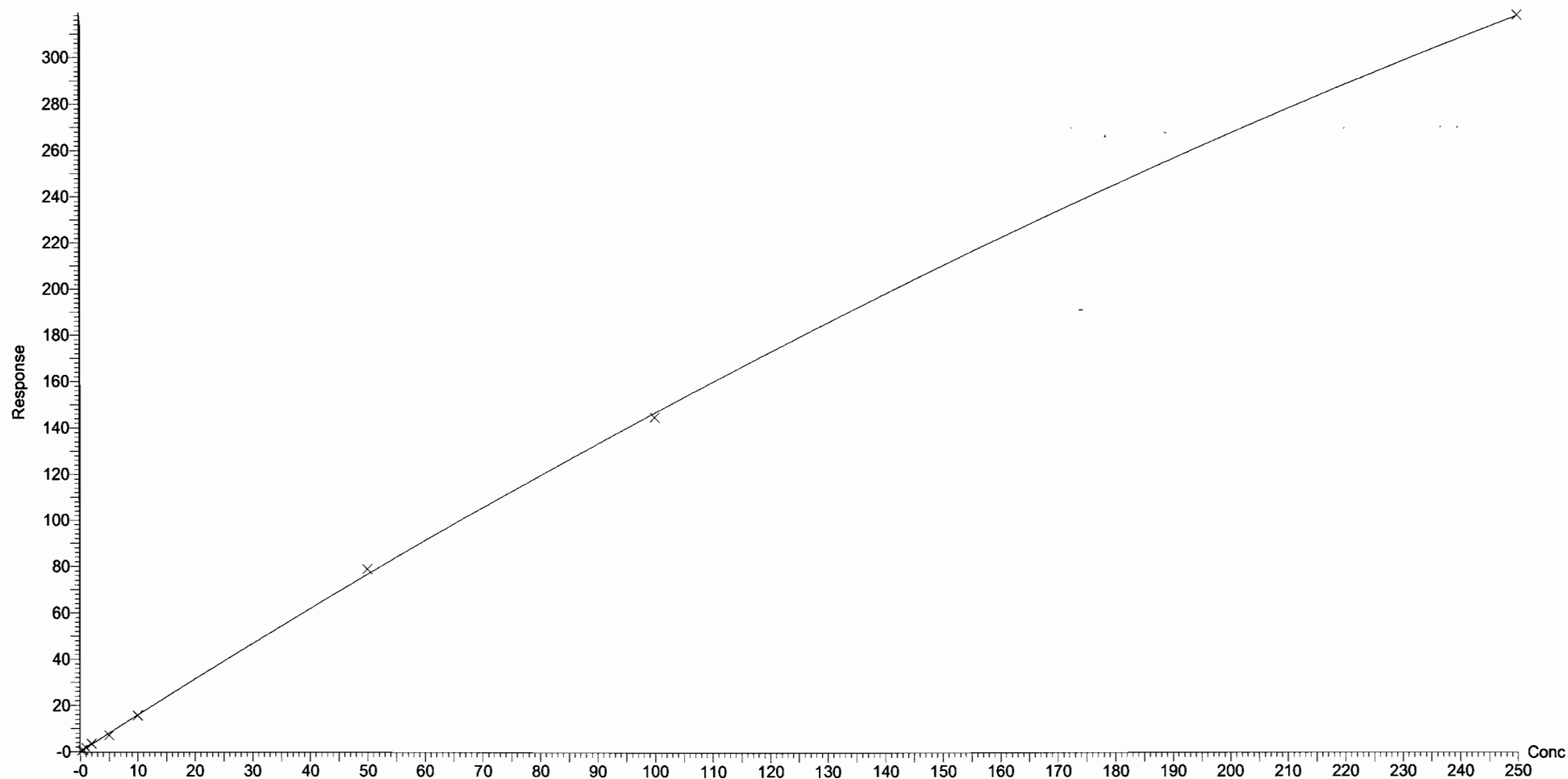


Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Compound name: PFHxDA
Coefficient of Determination: $R^2 = 0.999597$
Calibration curve: $-0.0012813 * x^2 + 1.59534 * x + 0.108133$
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:44:46 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:19:34

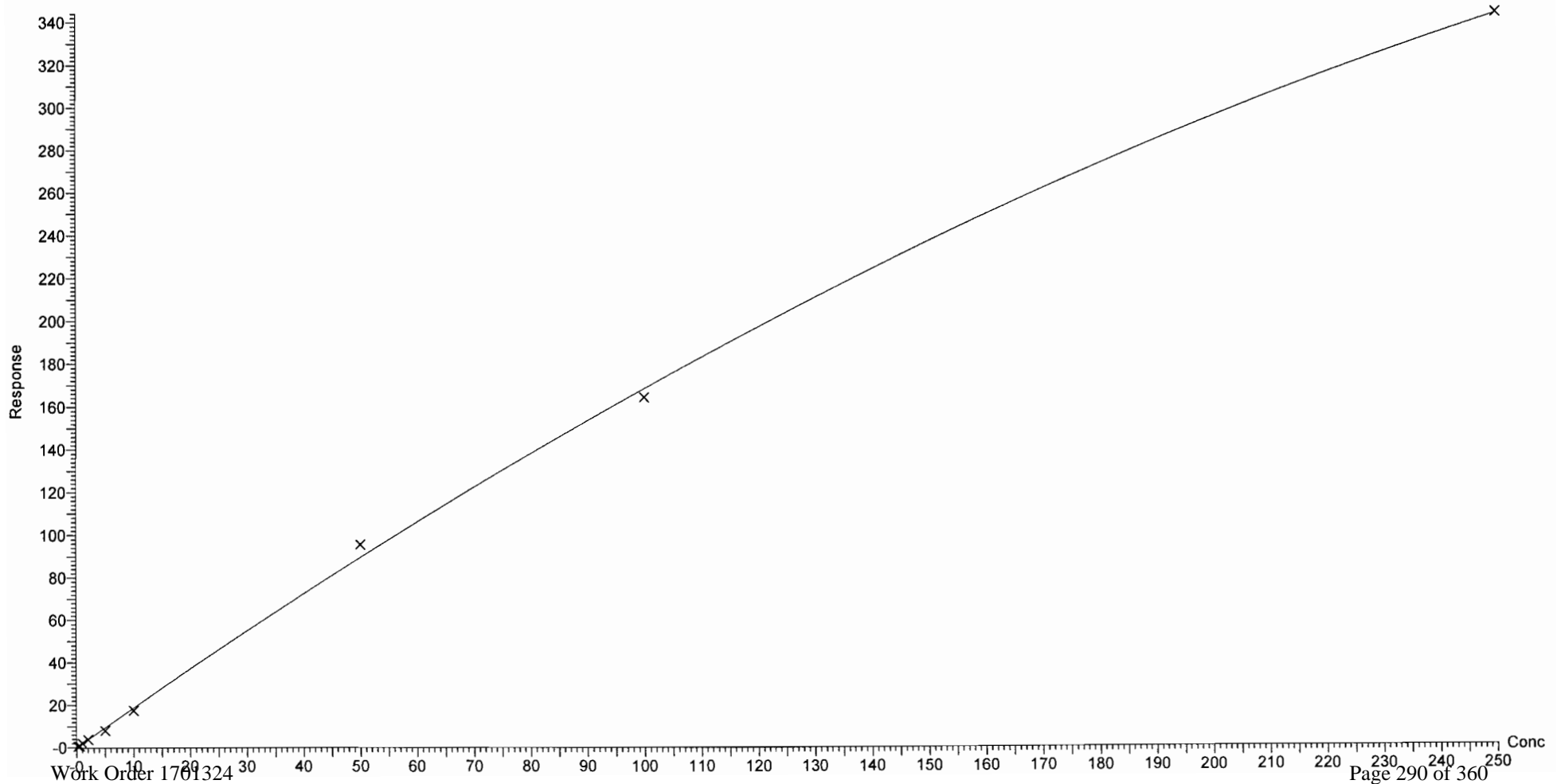
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998405$

Calibration curve: $-0.00207081 * x^2 + 1.8922 * x + -0.0129661$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

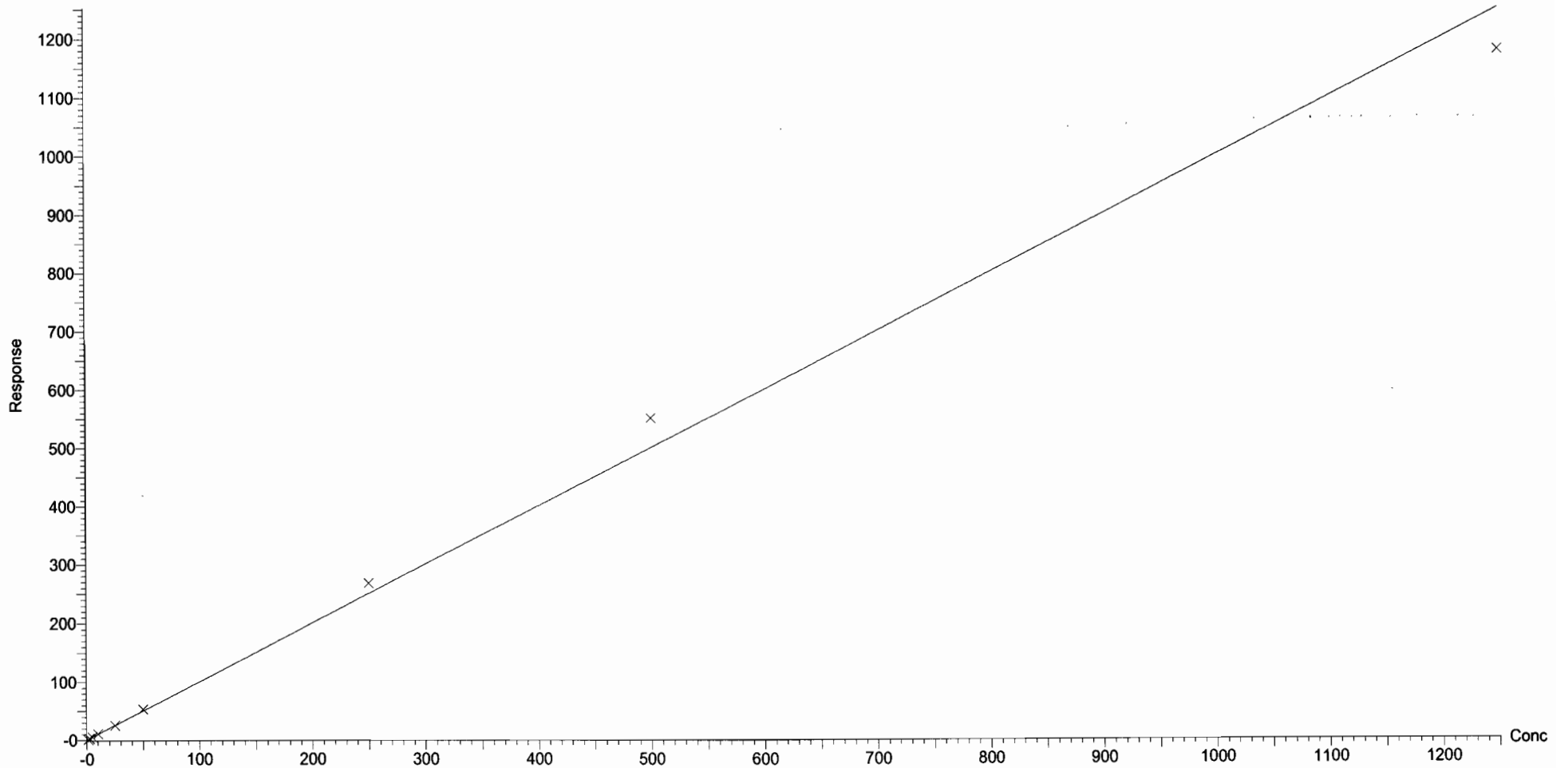


Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

Compound name: N-MeFOSE
Correlation coefficient: $r = 0.997415$, $r^2 = 0.994837$
Calibration curve: $1.00133 * x + 0.466379$
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:13:01 Pacific Daylight Time

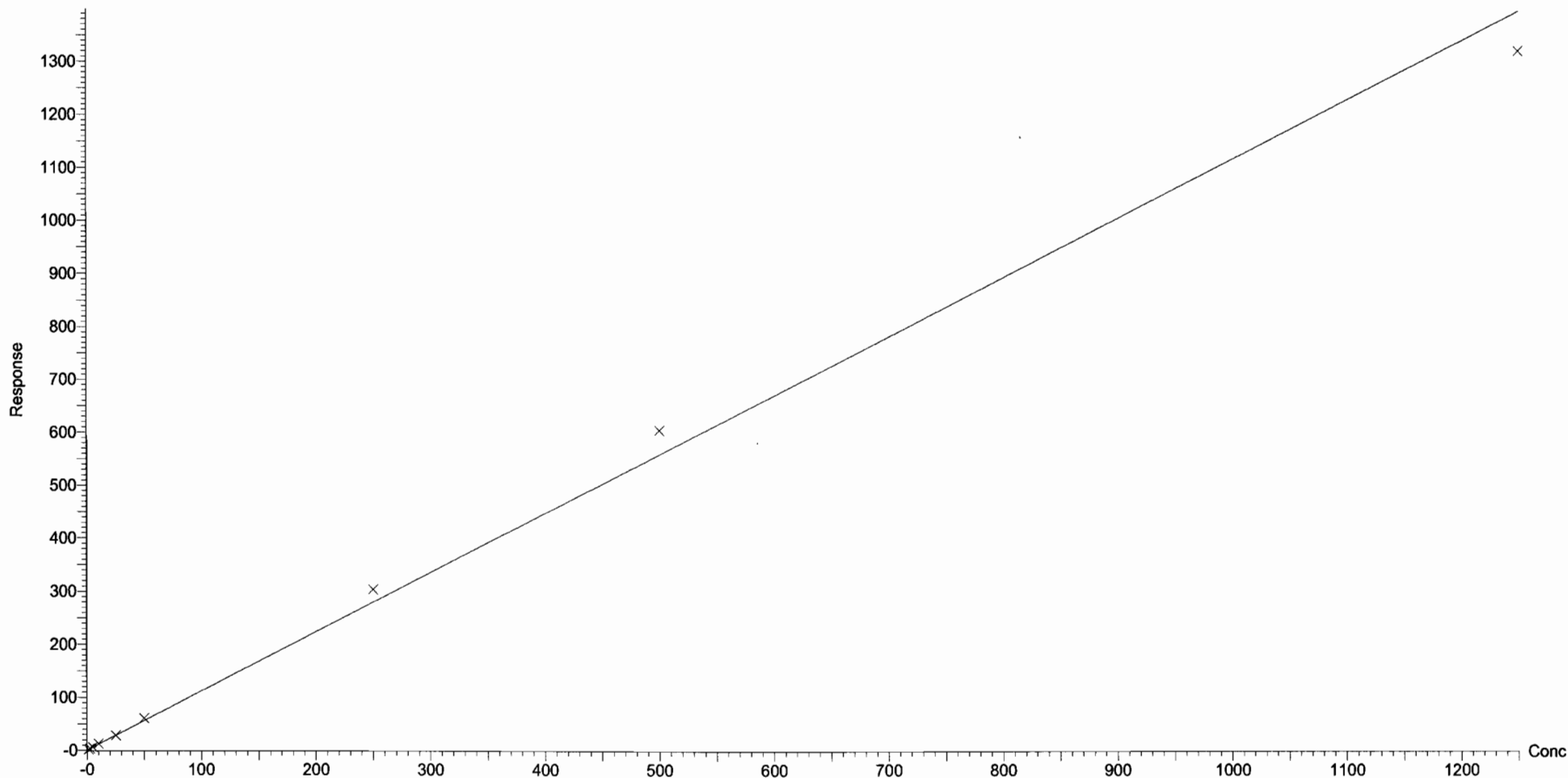
Compound name: N-EtFOSE

Correlation coefficient: $r = 0.997749$, $r^2 = 0.995503$

Calibration curve: $1.11745 * x + 0.573281$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

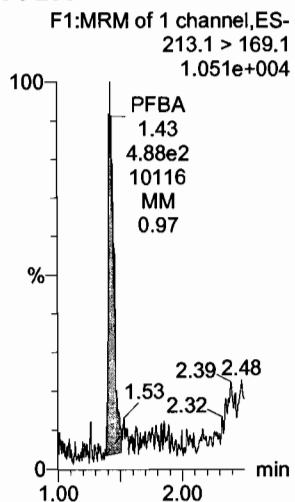
Handwritten: 10/2/17

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

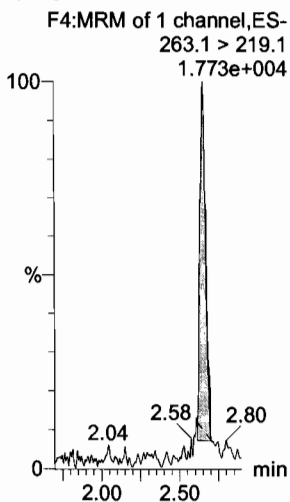
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 02 Oct 2017 14:07:38

Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 17I2910, Description: PFC CS-2 17I2921

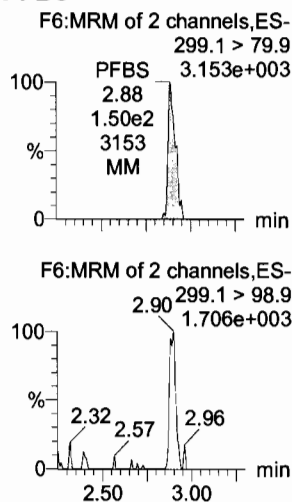
PFBA



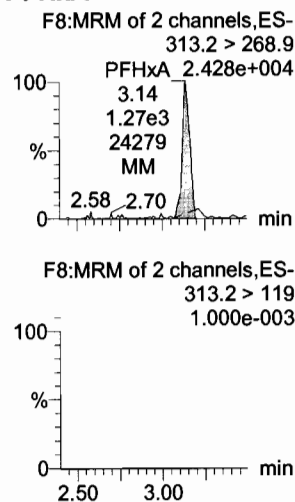
PFPeA



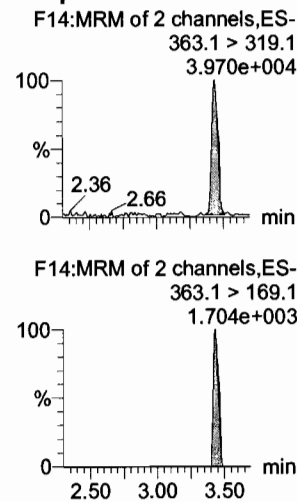
PFBS



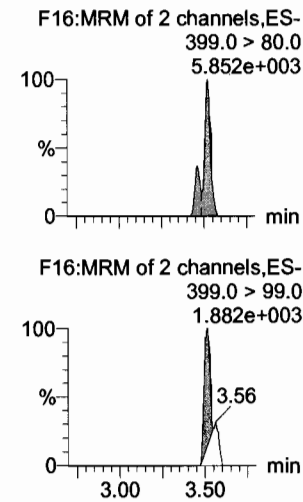
PFHxA



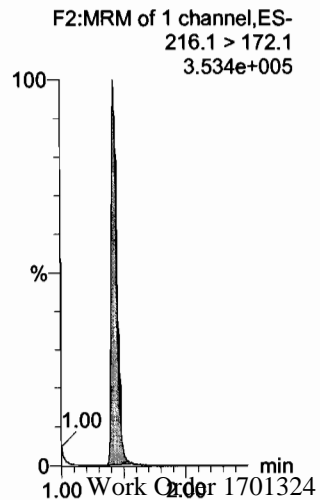
PFHpA



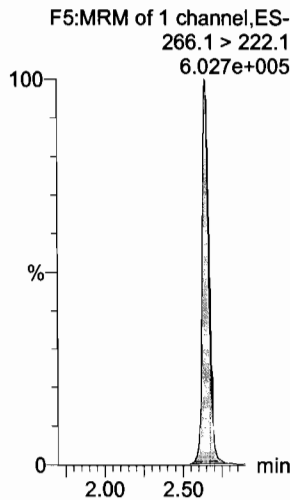
L-PFHxS



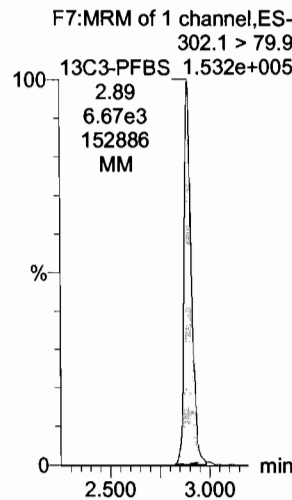
13C3-PFBA



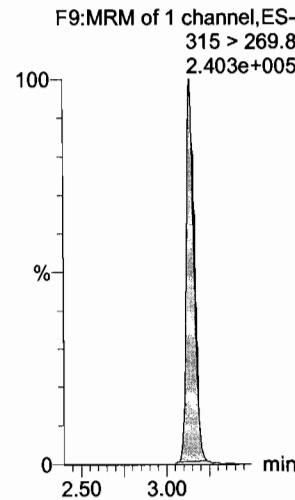
13C3-PFPeA



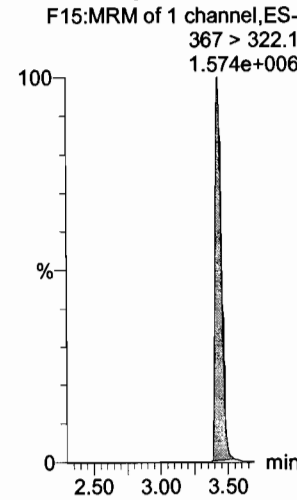
13C3-PFBS



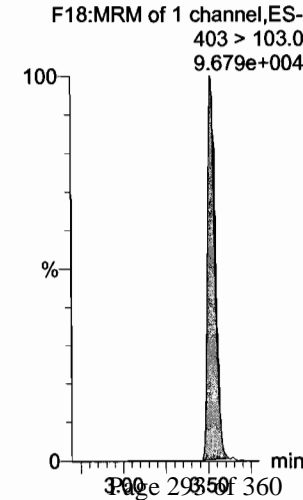
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



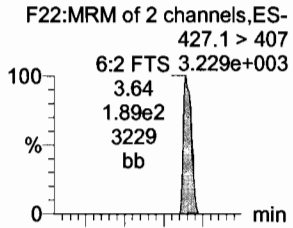
Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

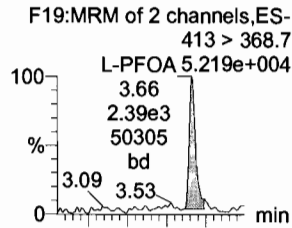
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 1712910, Description: PFC CS-2 1712921

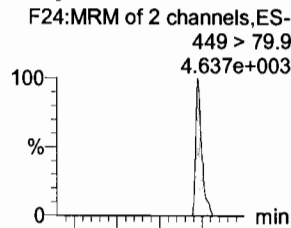
6:2 FTS



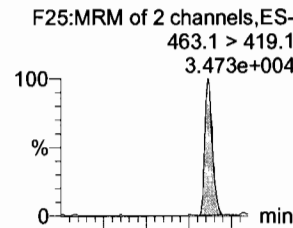
L-PFOA



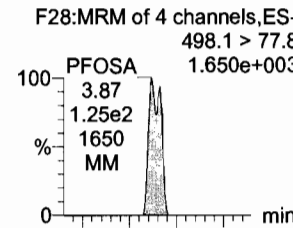
PFHpS



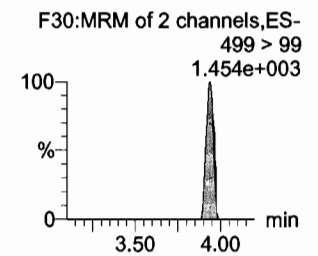
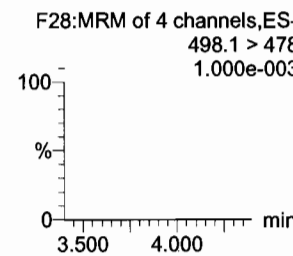
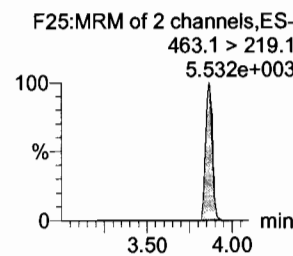
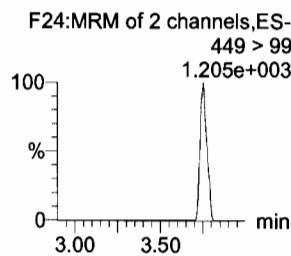
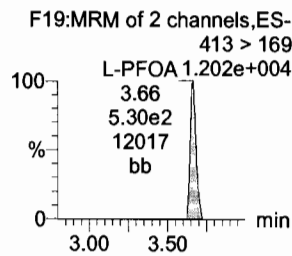
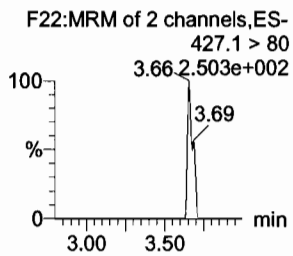
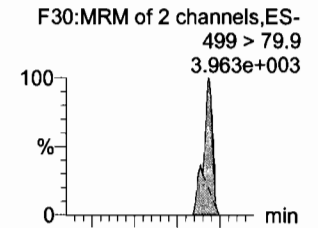
PFNA



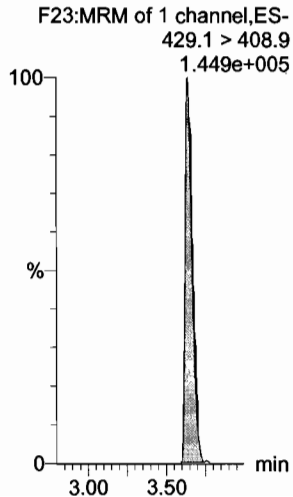
PFOSA



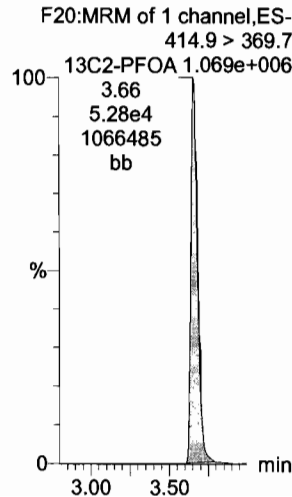
L-PFOS



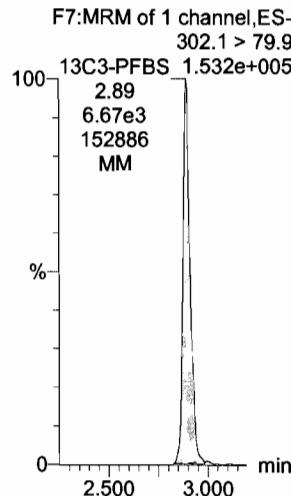
13C2-6:2 FTS



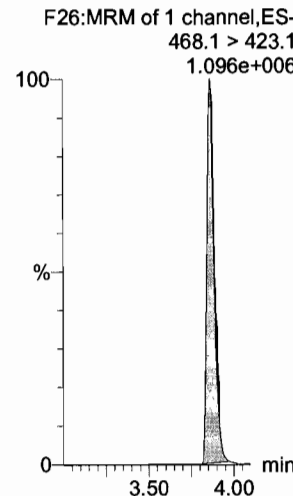
13C2-PFOA



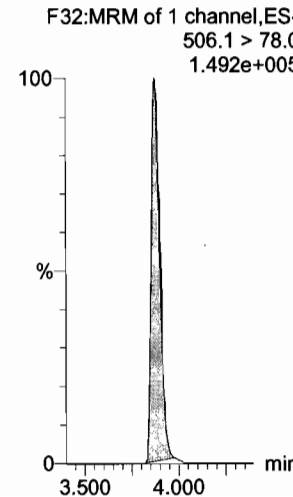
13C3-PFBS



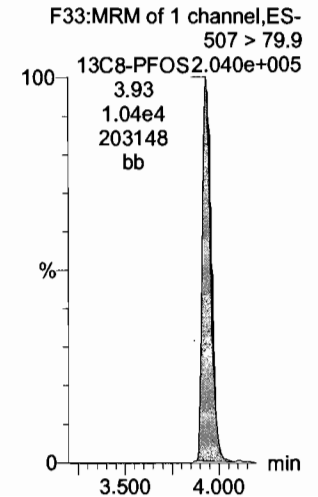
13C5-PFNA



13C8-PFOA



13C8-PFOS



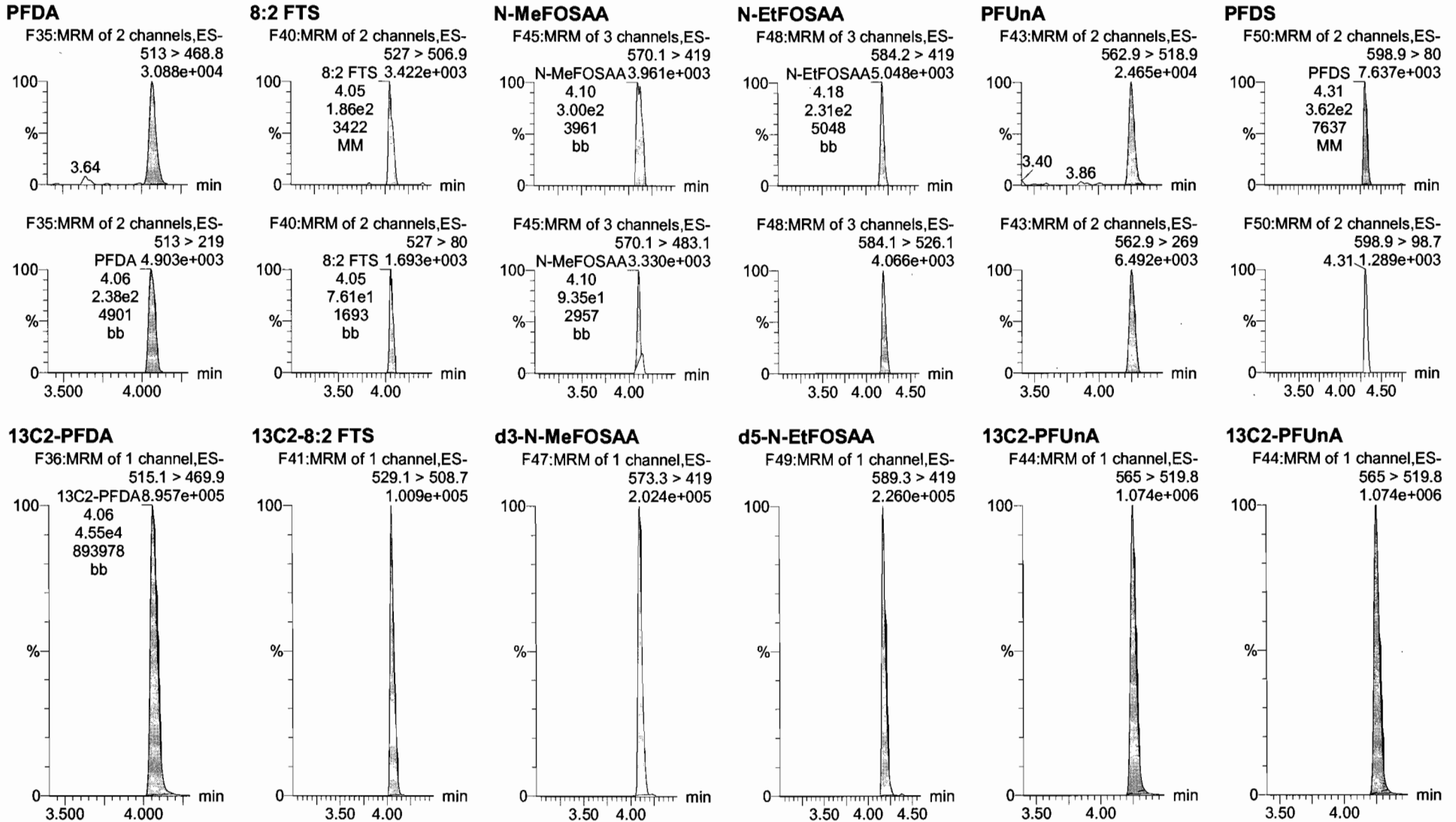
Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 1712910, Description: PFC CS-2 1712921

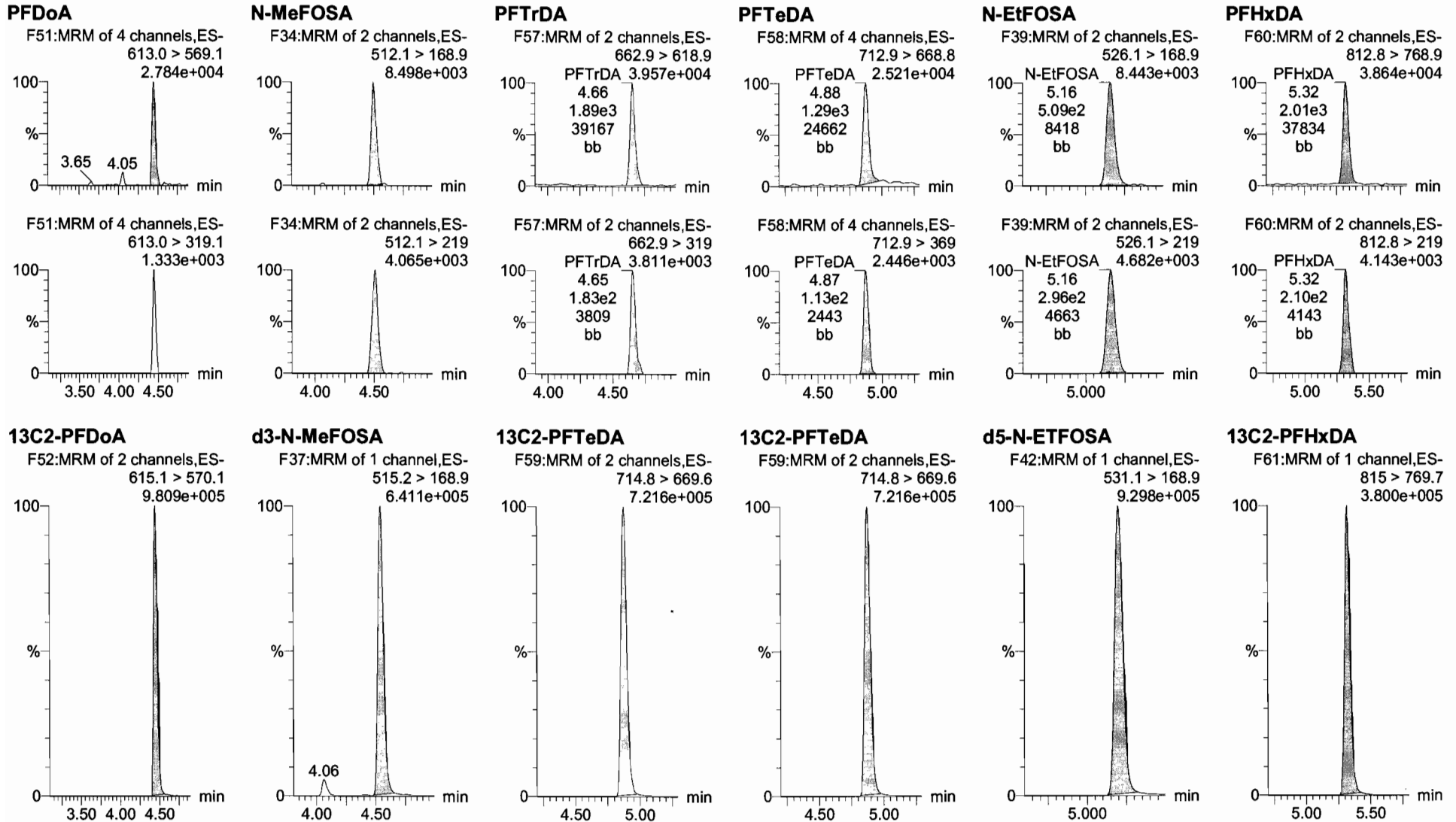
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3



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 17I2910, Description: PFC CS-2 17I2921

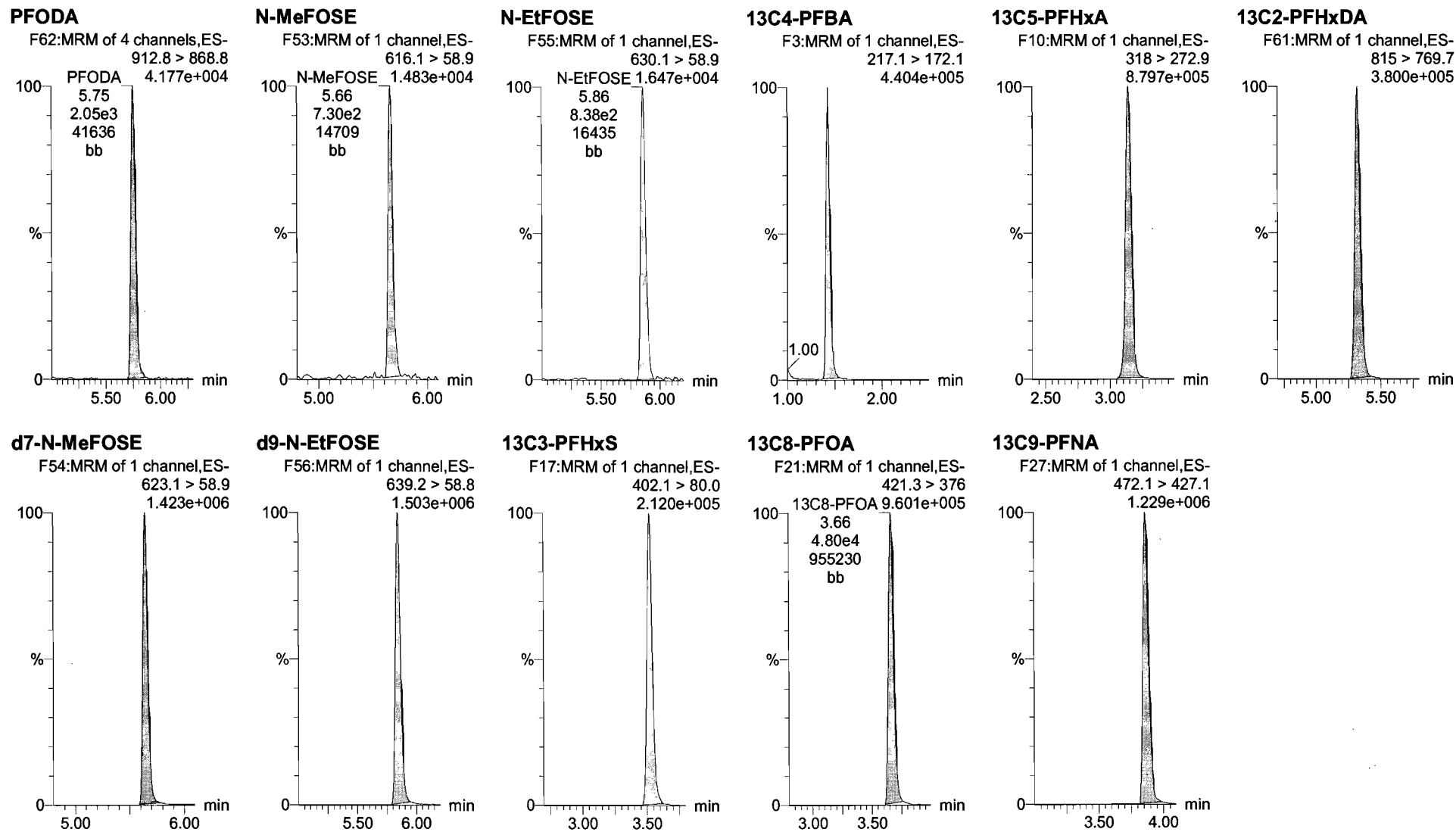


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Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 1712910, Description: PFC CS-2 1712921



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

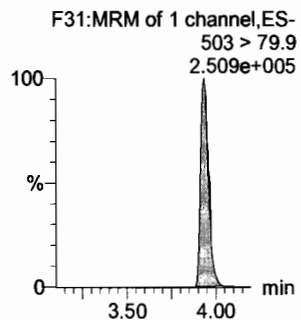
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

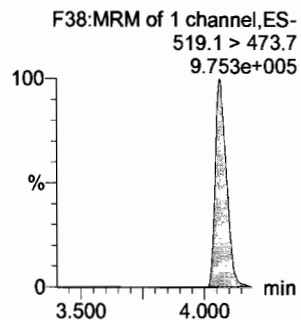
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Name: 171002M3_2, Date: 02-Oct-2017, Time: 10:30:17, ID: ST171002M2-1 PFC CS-2 17I2910, Description: PFC CS-2 17I2921

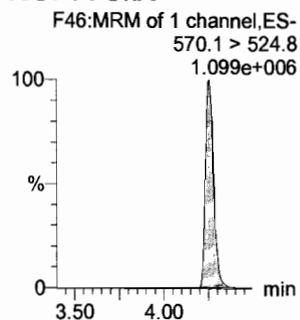
13C4-PFOS



13C6-PFDA



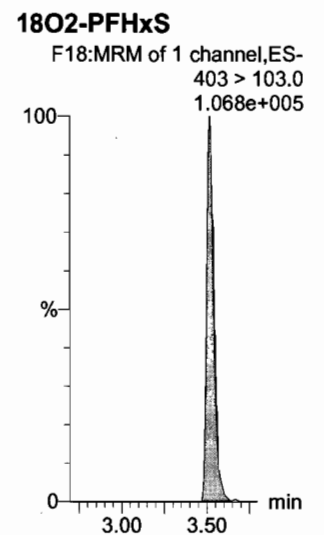
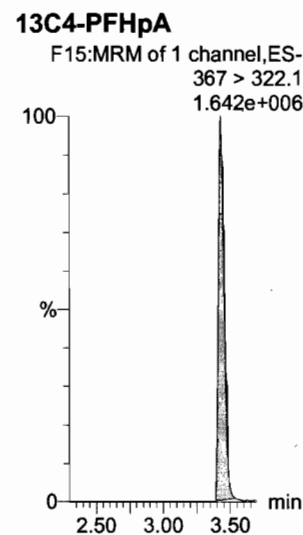
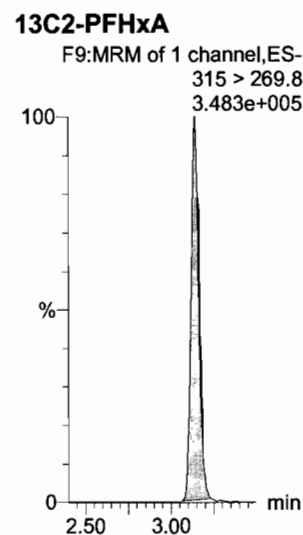
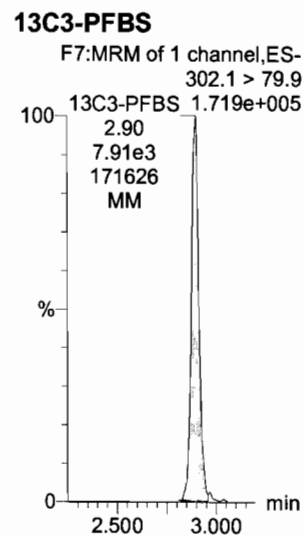
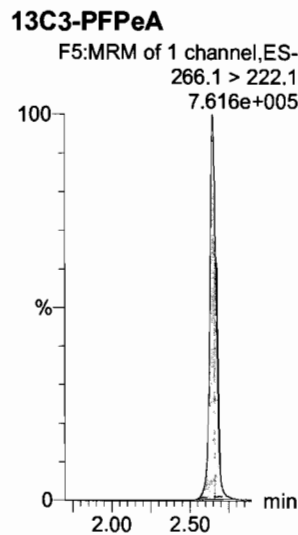
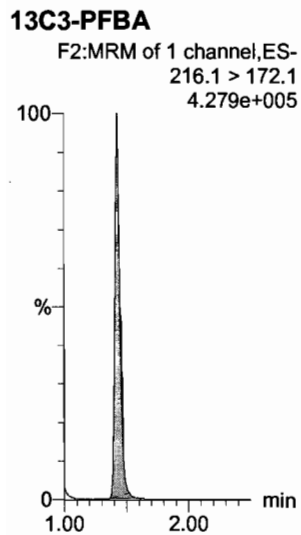
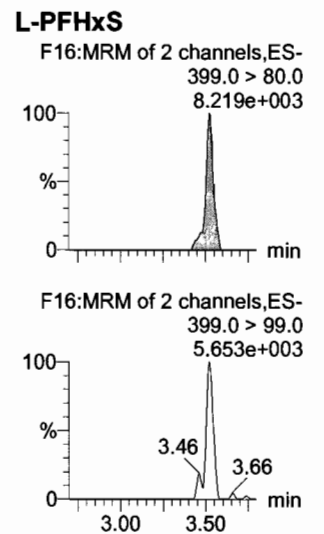
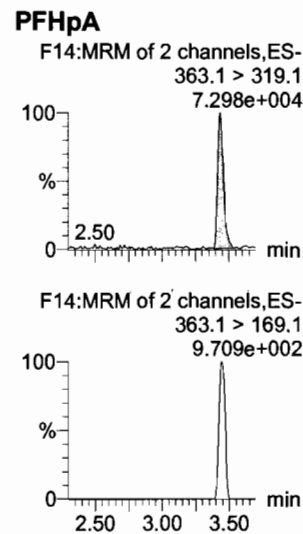
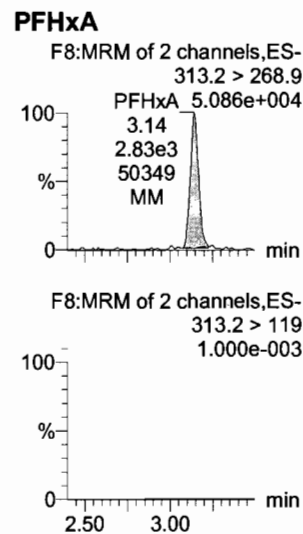
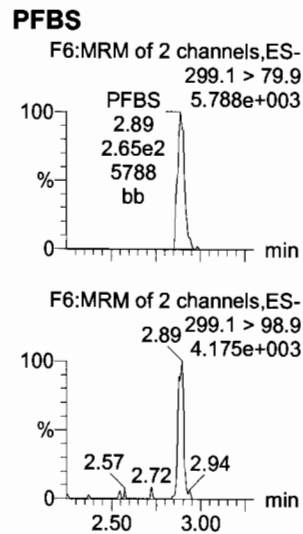
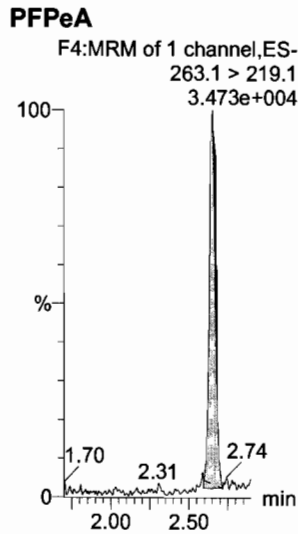
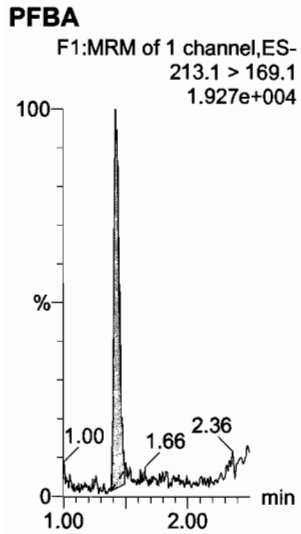
13C7-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_3, Date: 02-Oct-2017, Time: 10:41:05, ID: ST171002M2-2 PFC CS-1 1712911, Description: PFC CS-1 1712922



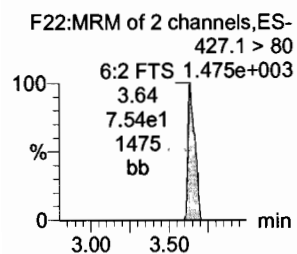
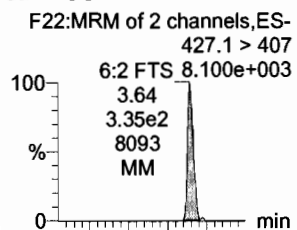
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Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

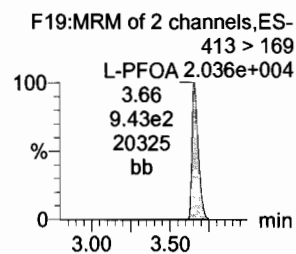
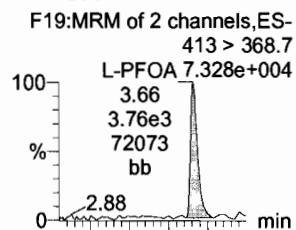
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

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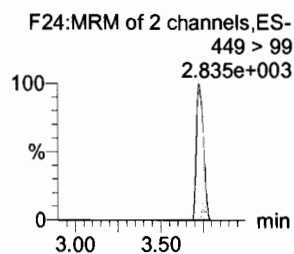
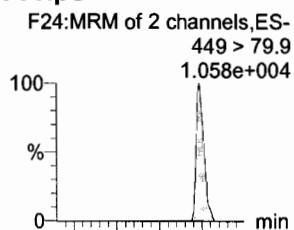
6:2 FTS



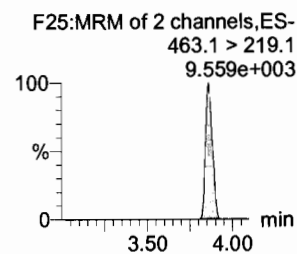
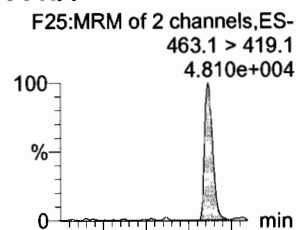
L-PFOA



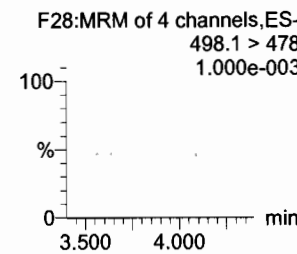
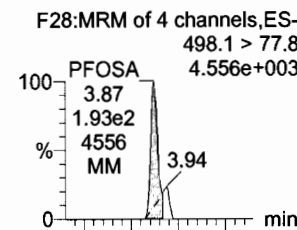
PFHpS



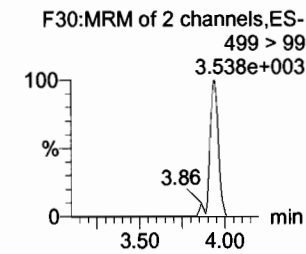
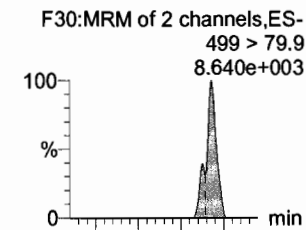
PFNA



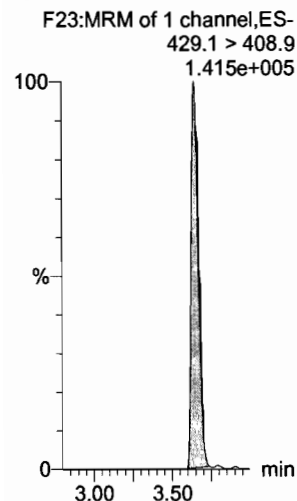
PFOSA



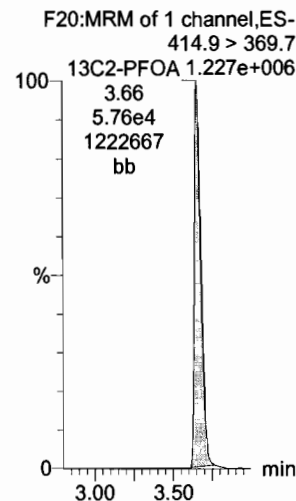
L-PFOS



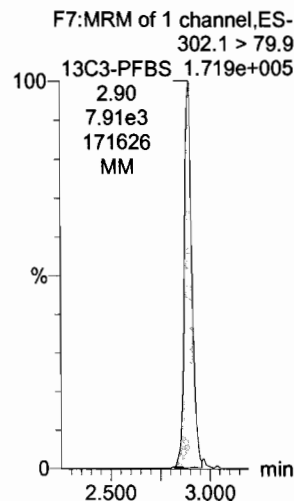
13C2-6:2 FTS



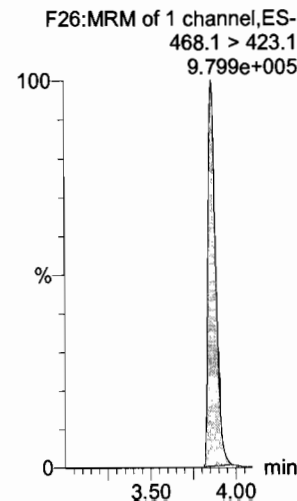
13C2-PFOA



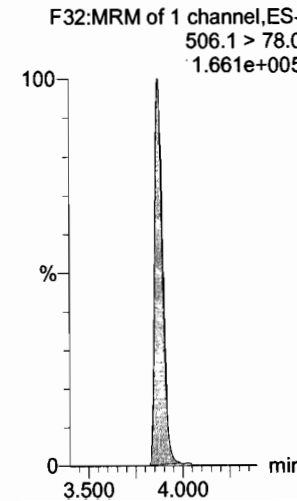
13C3-PFBS



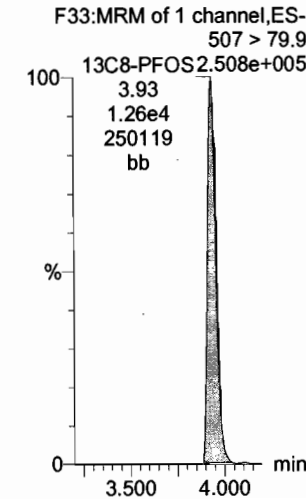
13C5-PFNA



13C8-PFOSA



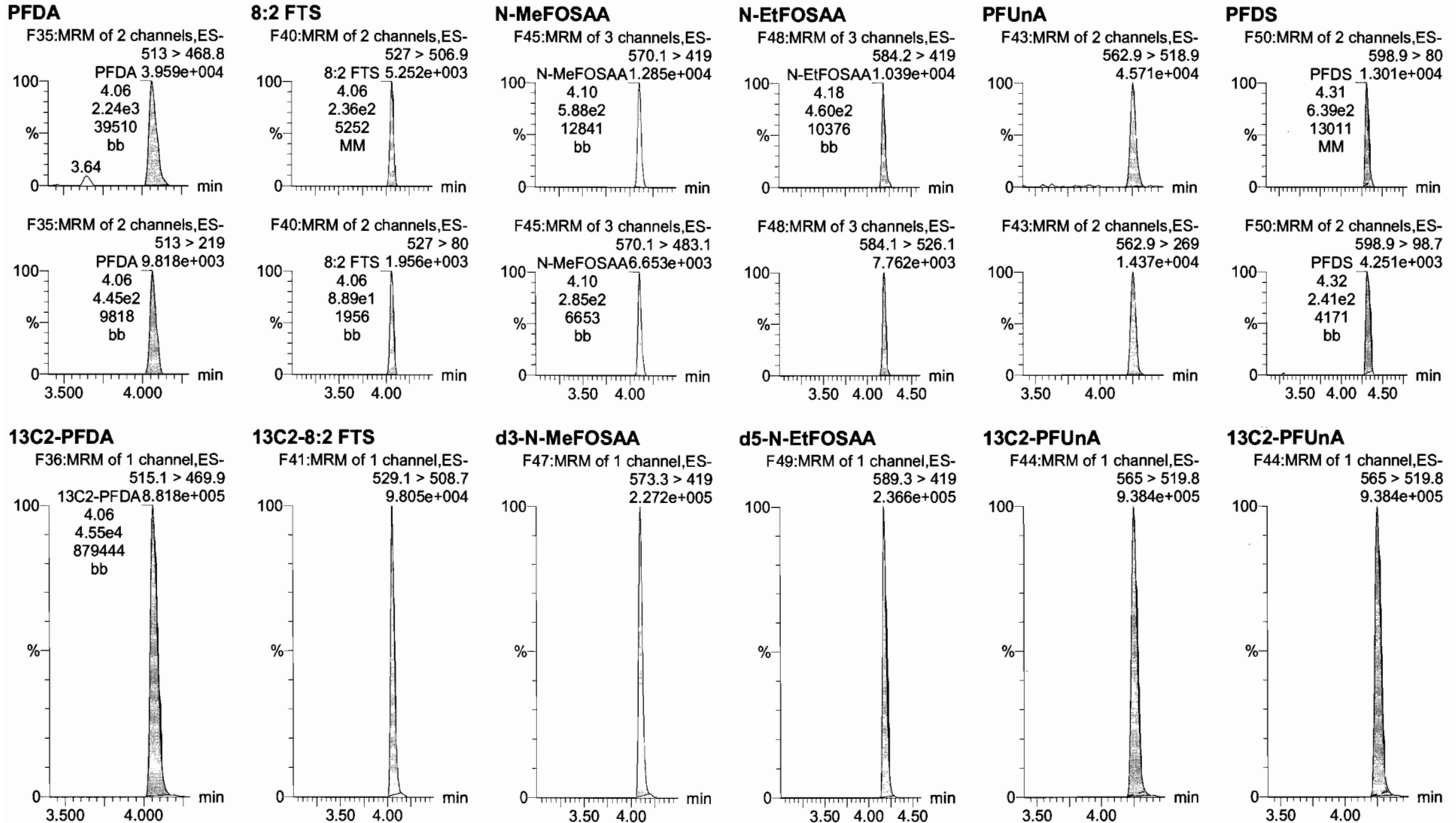
13C8-PFOS



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

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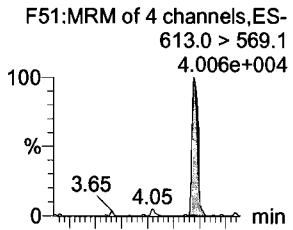
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Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

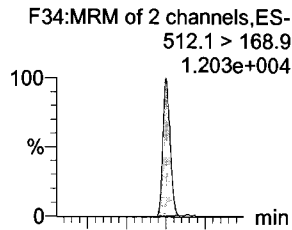
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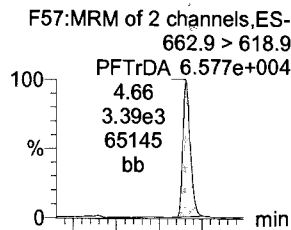
PFDoA



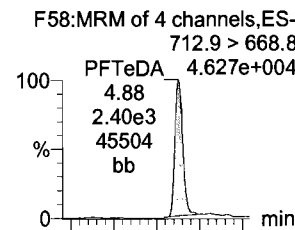
N-MeFOSA



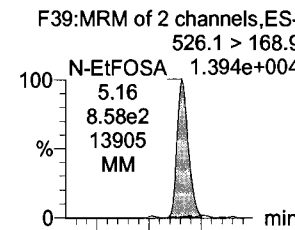
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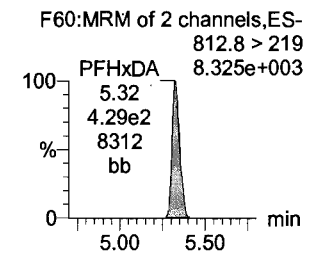
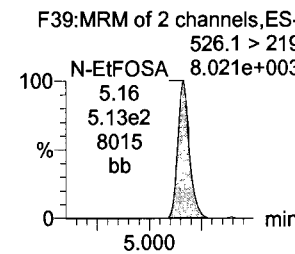
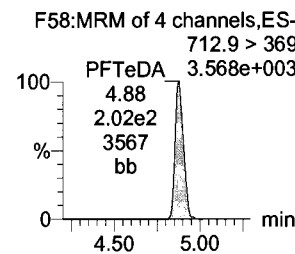
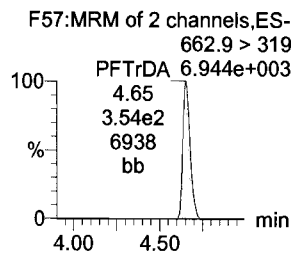
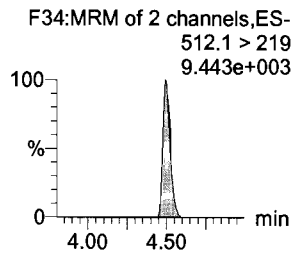
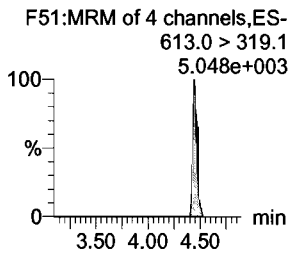
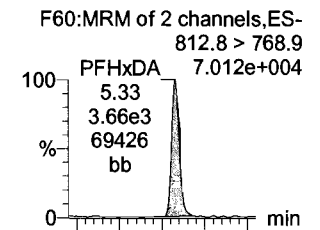
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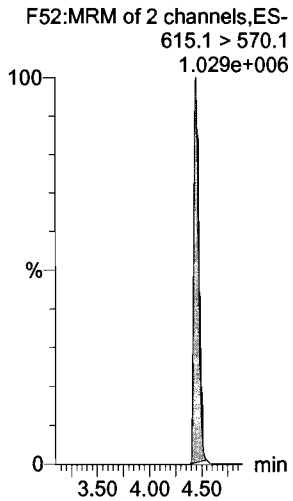
N-EtFOSA



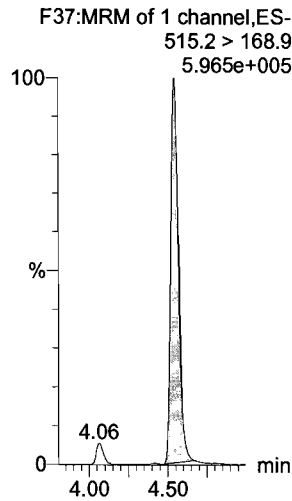
PFHxDA



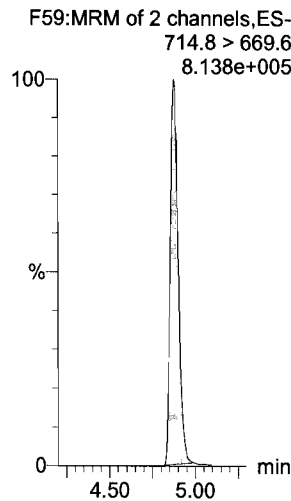
13C2-PFDoA



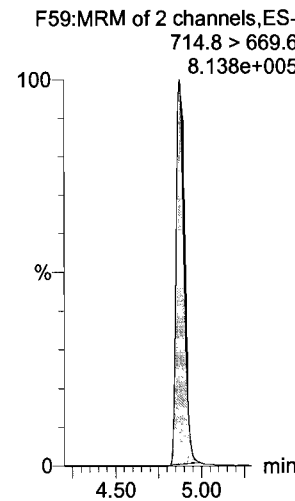
d3-N-MeFOSA



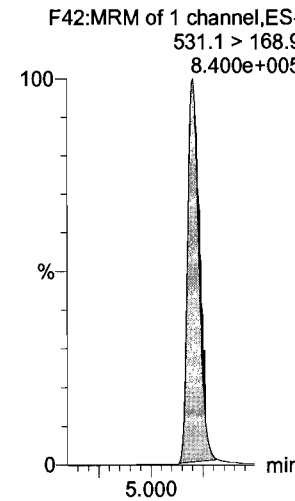
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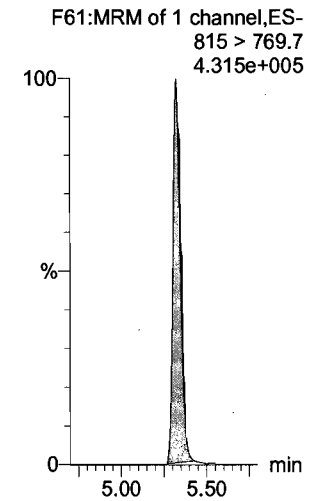
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d5-N-ETFOSA



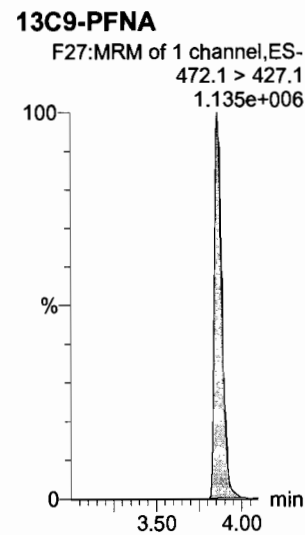
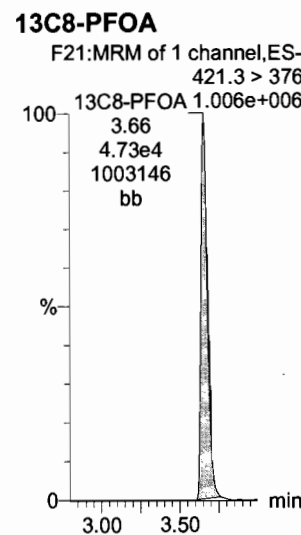
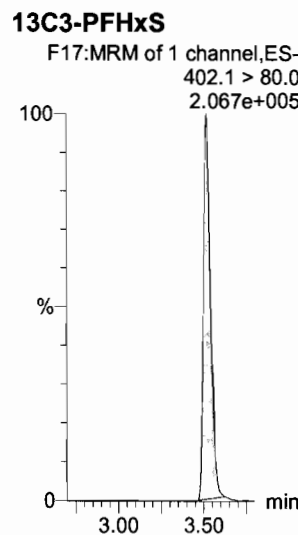
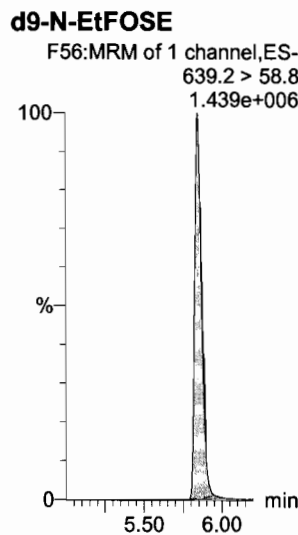
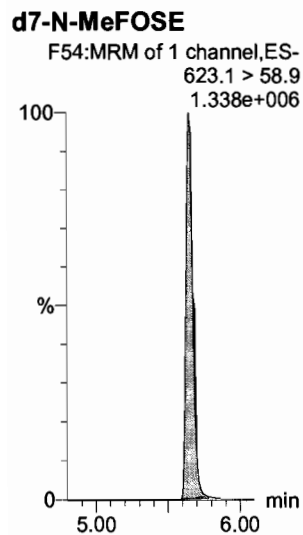
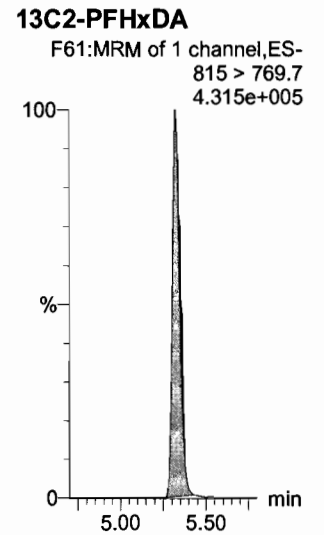
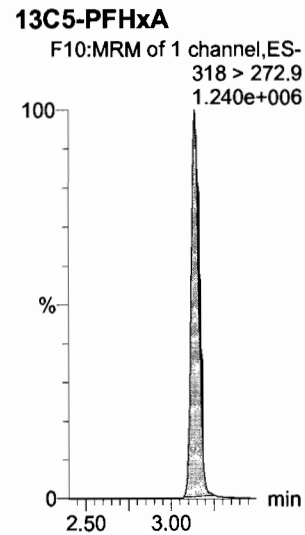
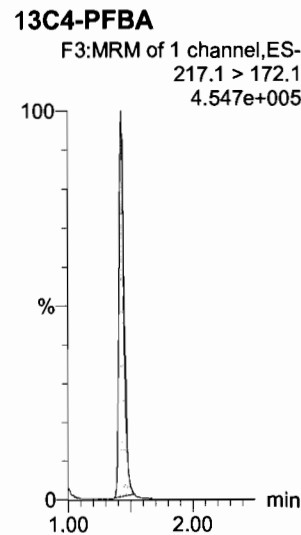
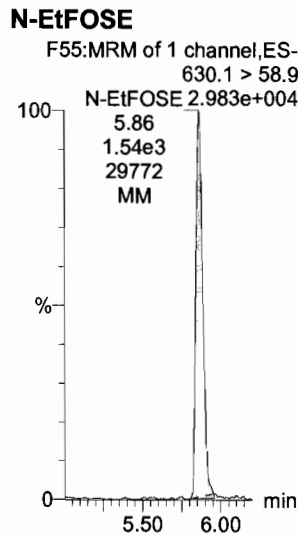
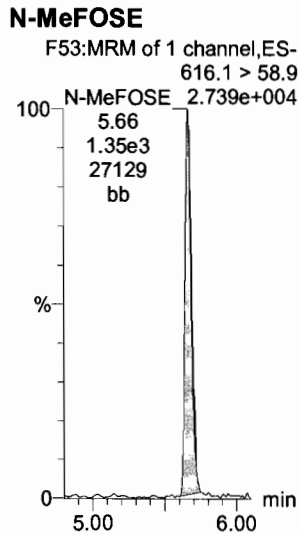
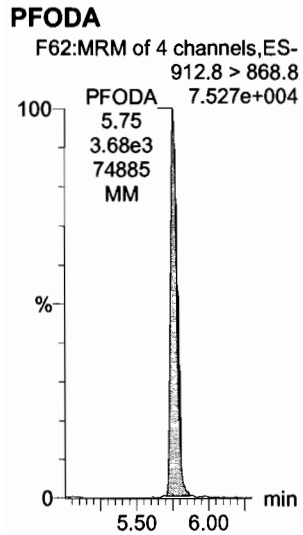
13C2-PFHxDA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_3, Date: 02-Oct-2017, Time: 10:41:05, ID: ST171002M2-2 PFC CS-1 1712911, Description: PFC CS-1 1712922



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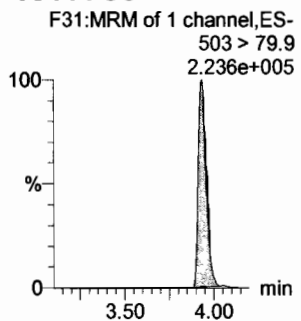
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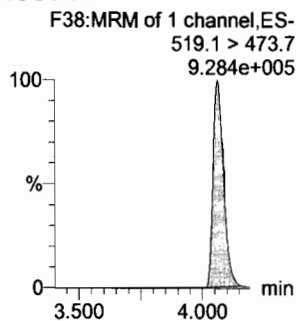
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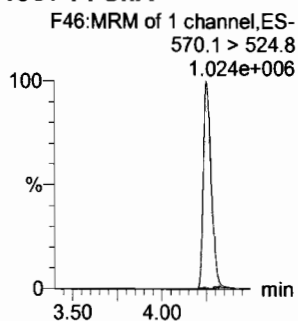
13C4-PFOS



13C6-PFDA



13C7-PFUnA

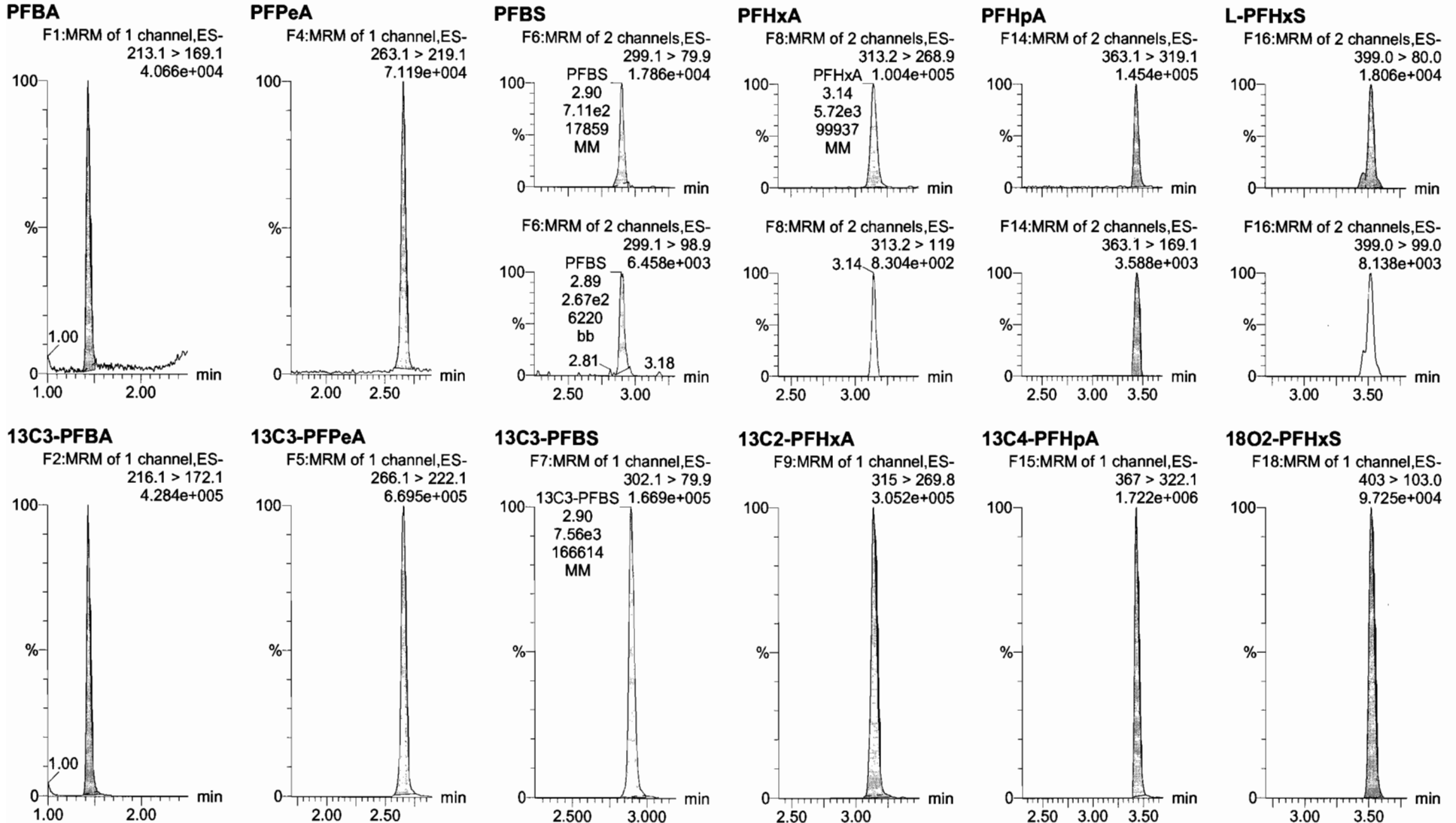


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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_4, Date: 02-Oct-2017, Time: 10:51:58, ID: ST171002M2-3 PFC CS0 17I2912, Description: PFC CS0 17I2923

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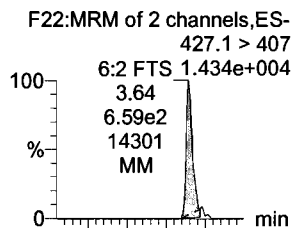
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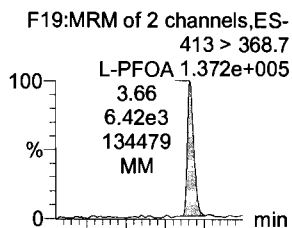
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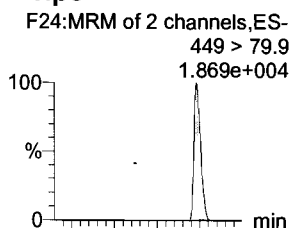
6:2 FTS



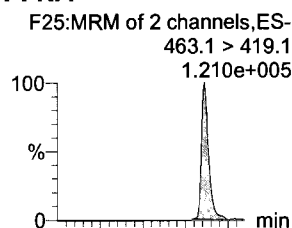
L-PFOA



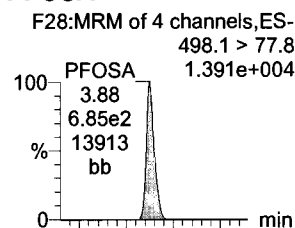
PFHps



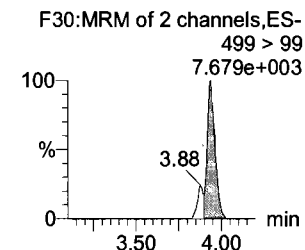
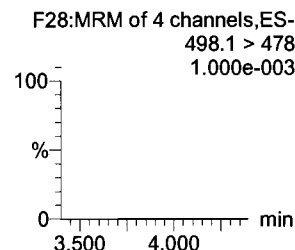
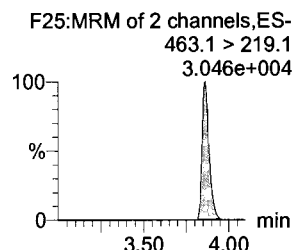
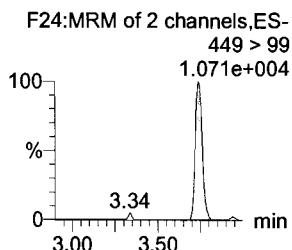
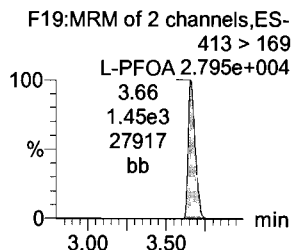
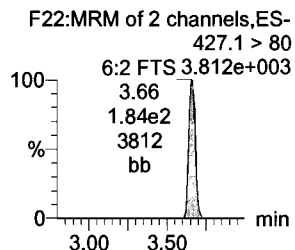
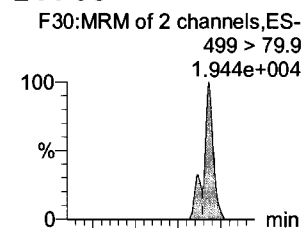
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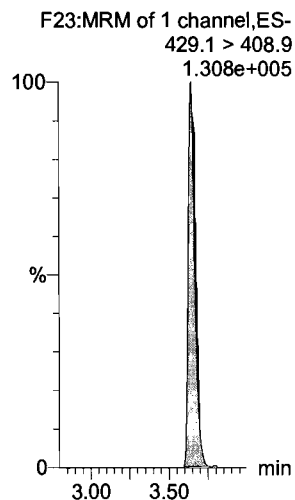
PFOSA



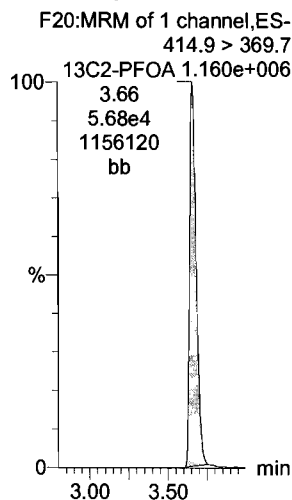
L-PFOS



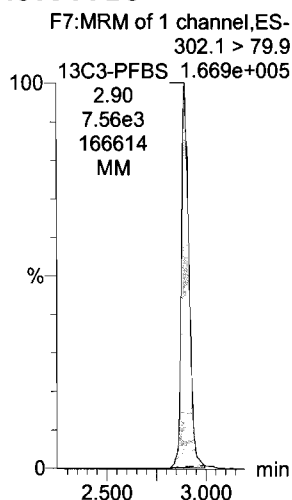
13C2-6:2 FTS



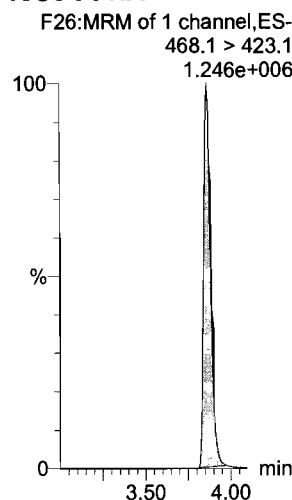
13C2-PFOA



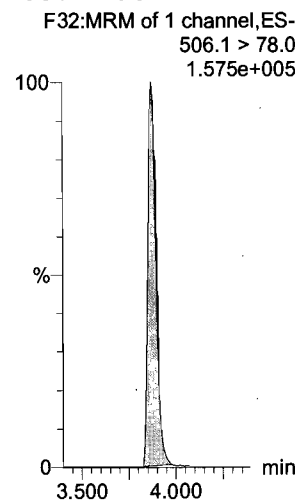
13C3-PFBS



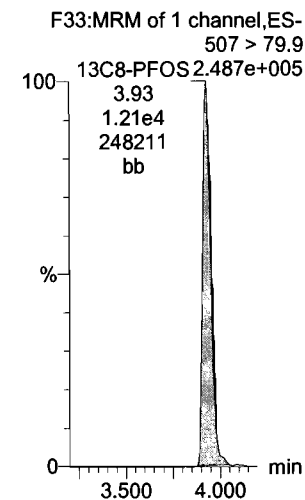
13C5-PFNA



13C8-PFOSA



13C8-PFOS



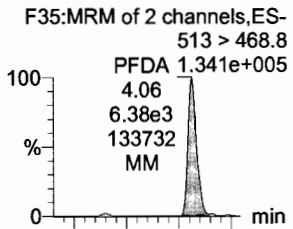
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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

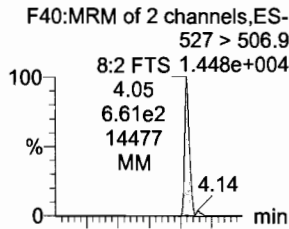
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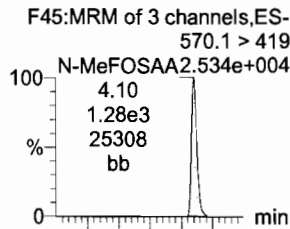
PFDA



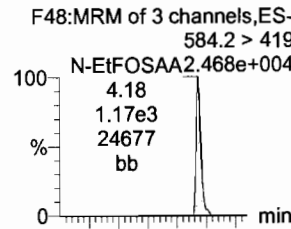
8:2 FTS



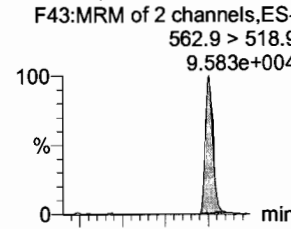
N-MeFOSAA



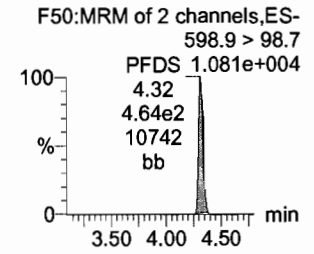
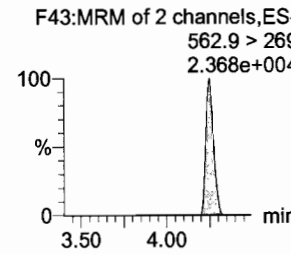
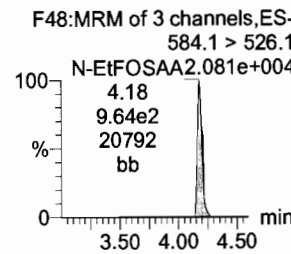
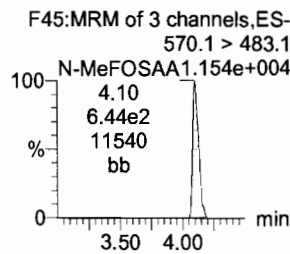
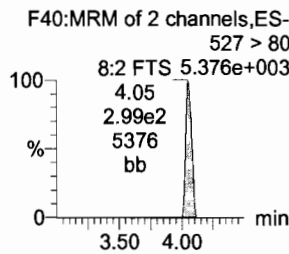
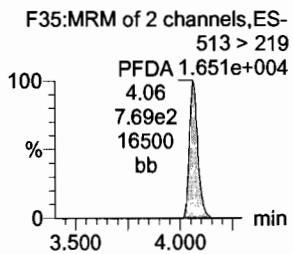
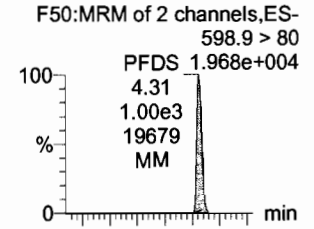
N-EtFOSAA



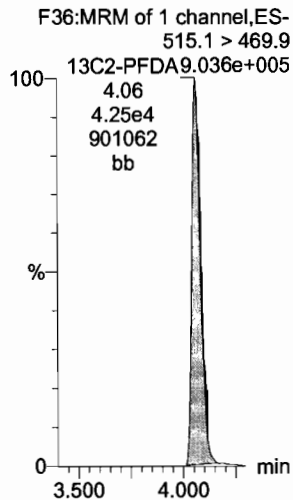
PFUnA



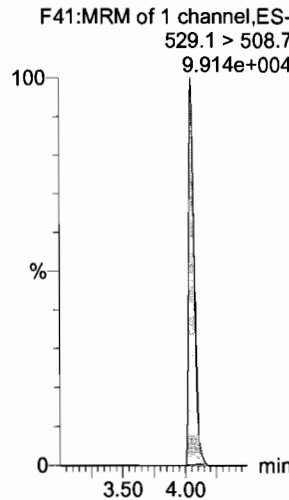
PFDS



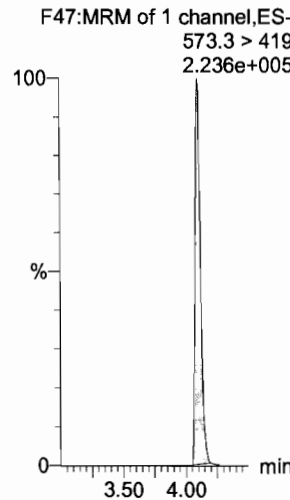
13C2-PFDA



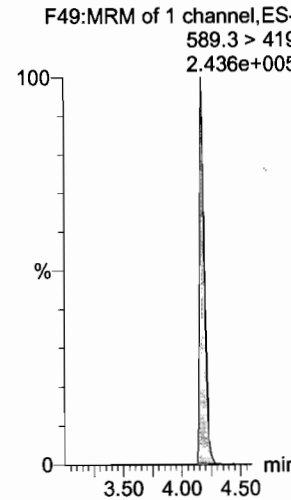
13C2-8:2 FTS



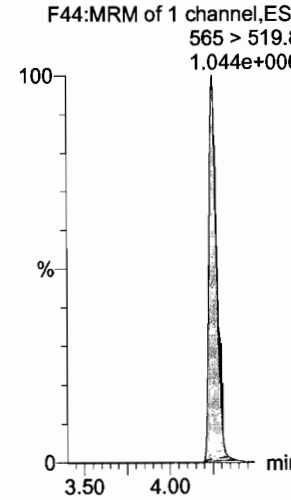
d3-N-MeFOSAA



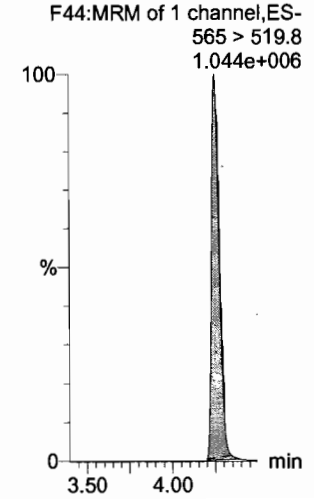
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

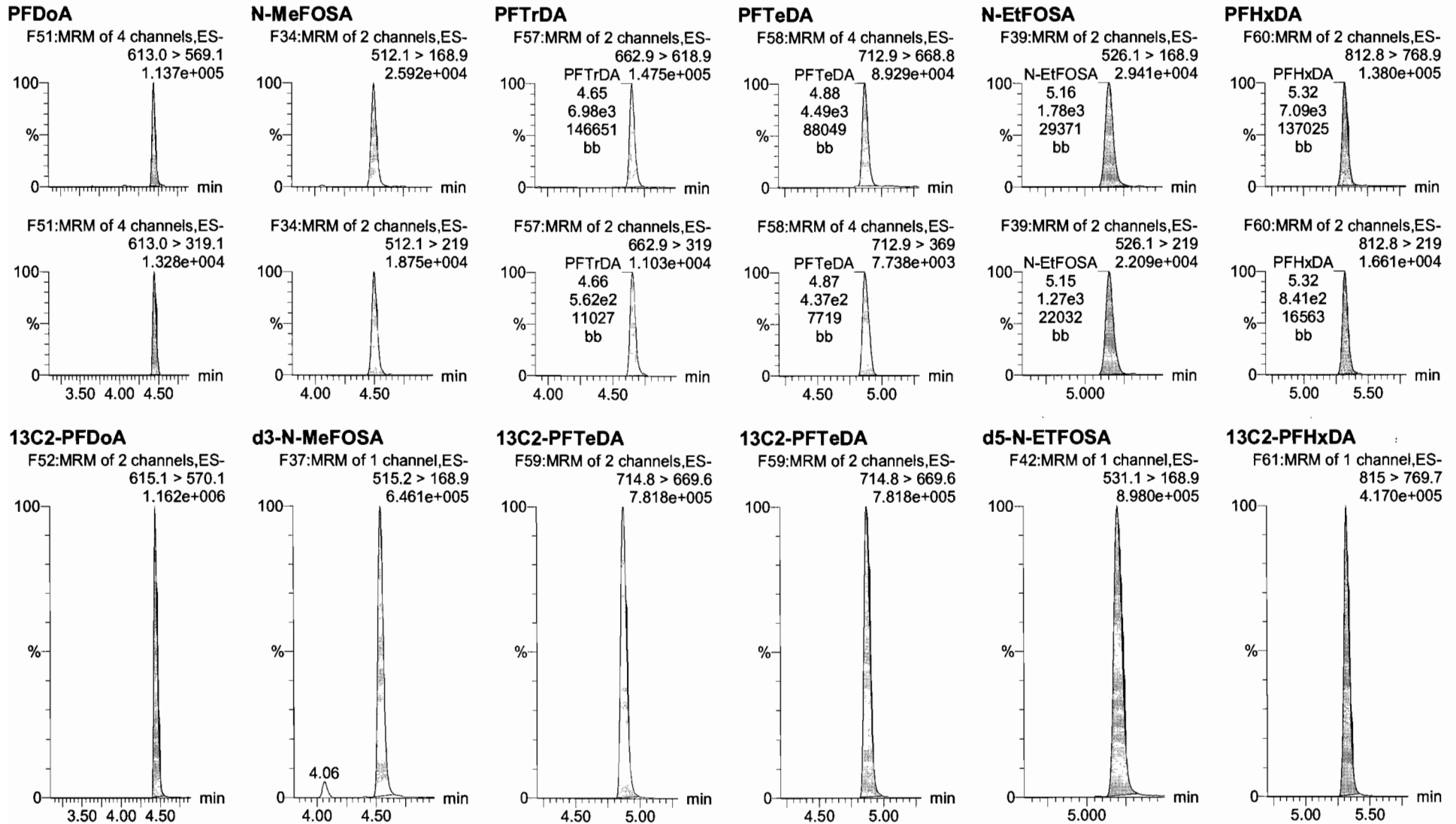


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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

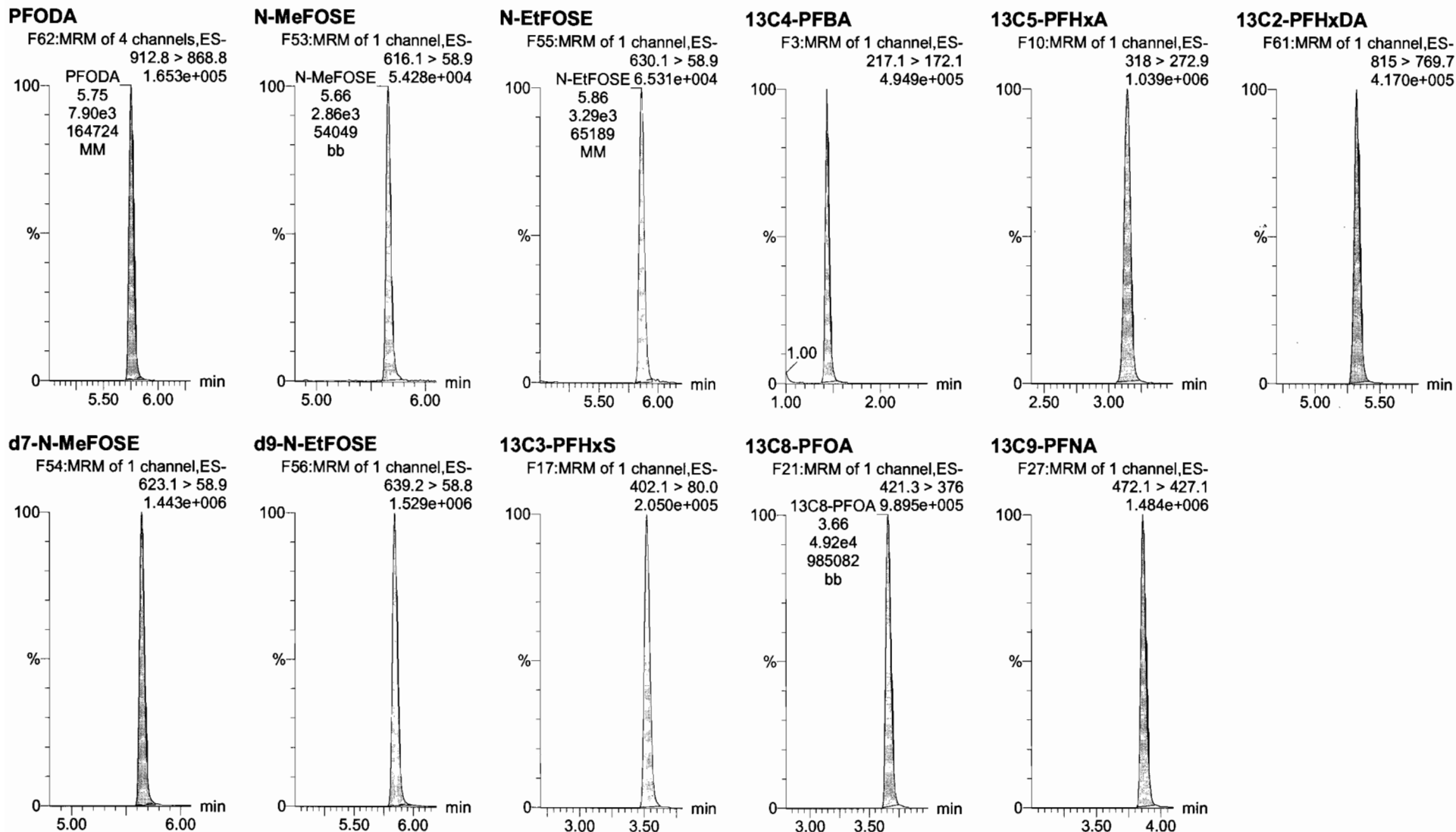
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Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_4, Date: 02-Oct-2017, Time: 10:51:58, ID: ST171002M2-3 PFC CS0 1712912, Description: PFC CS0 1712923



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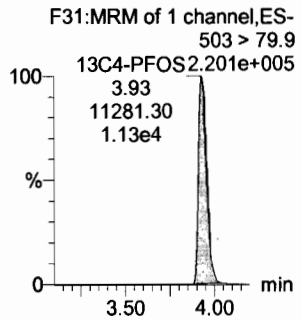
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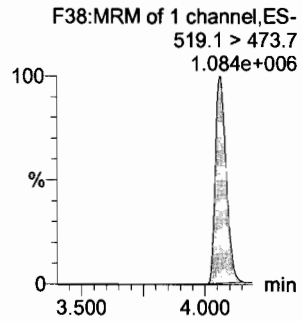
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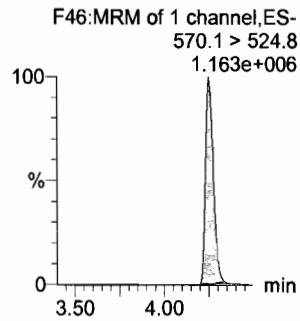
13C4-PFOS



13C6-PFDA



13C7-PFUnA

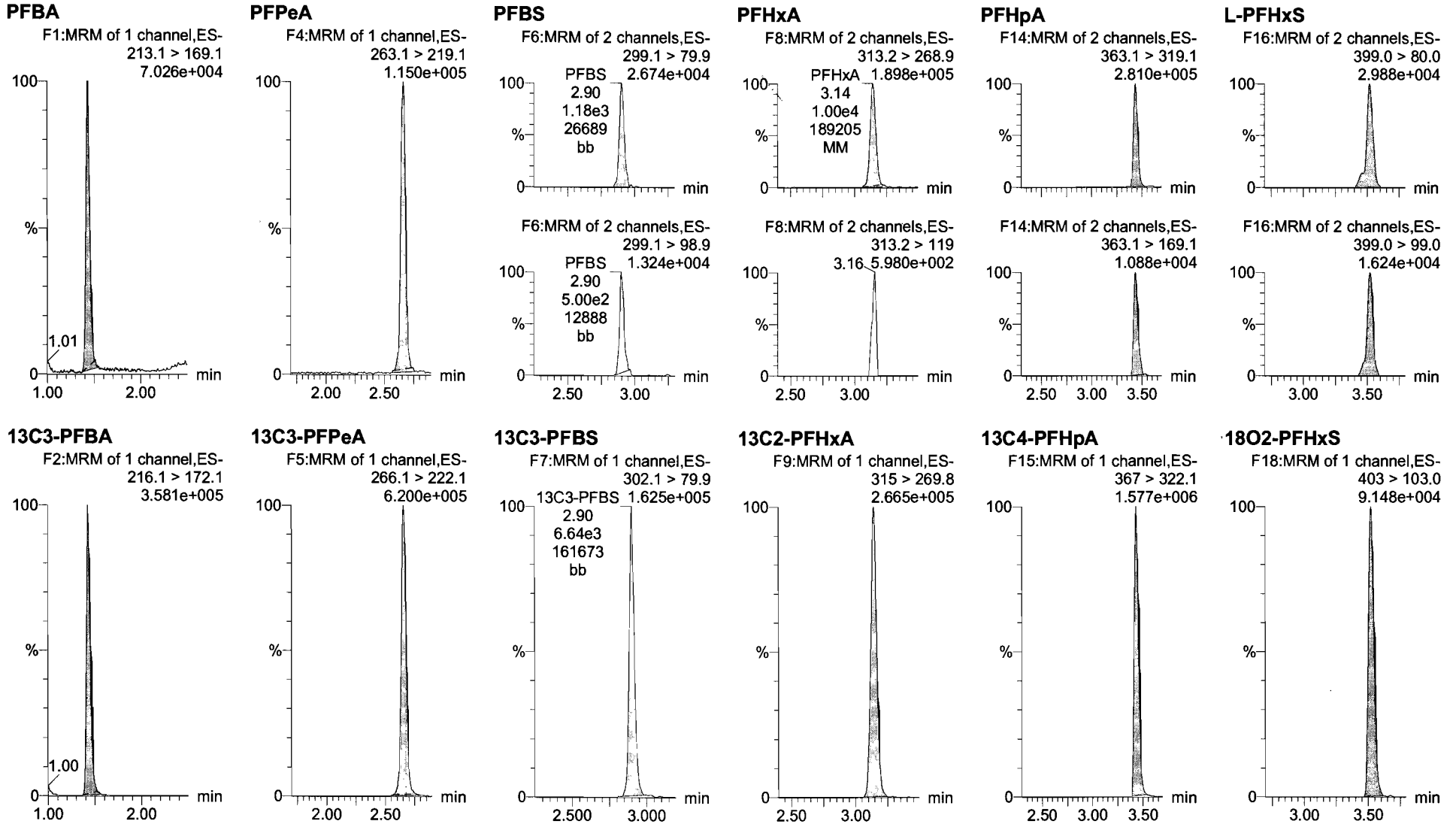


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① 0m 1d 217

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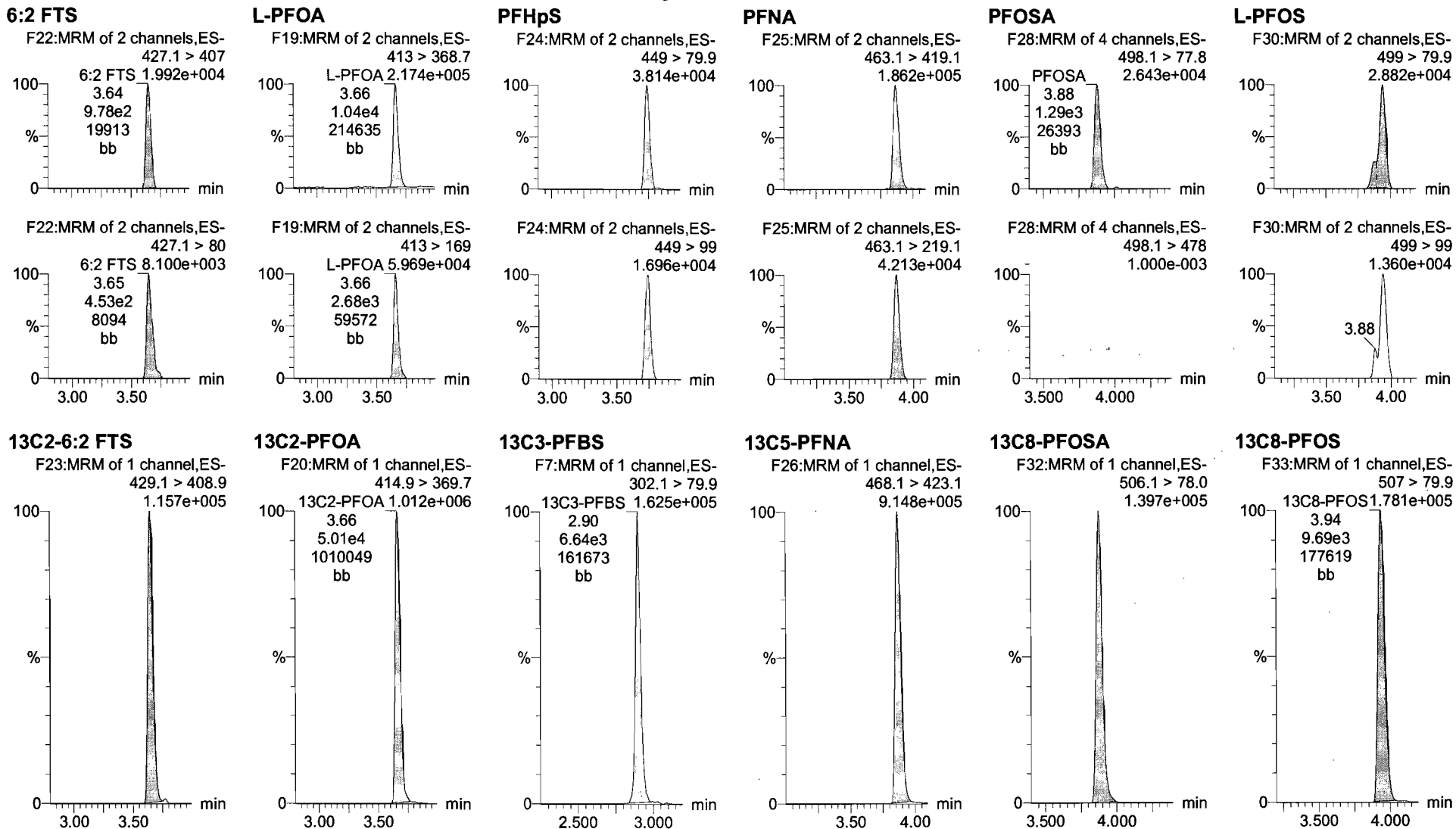


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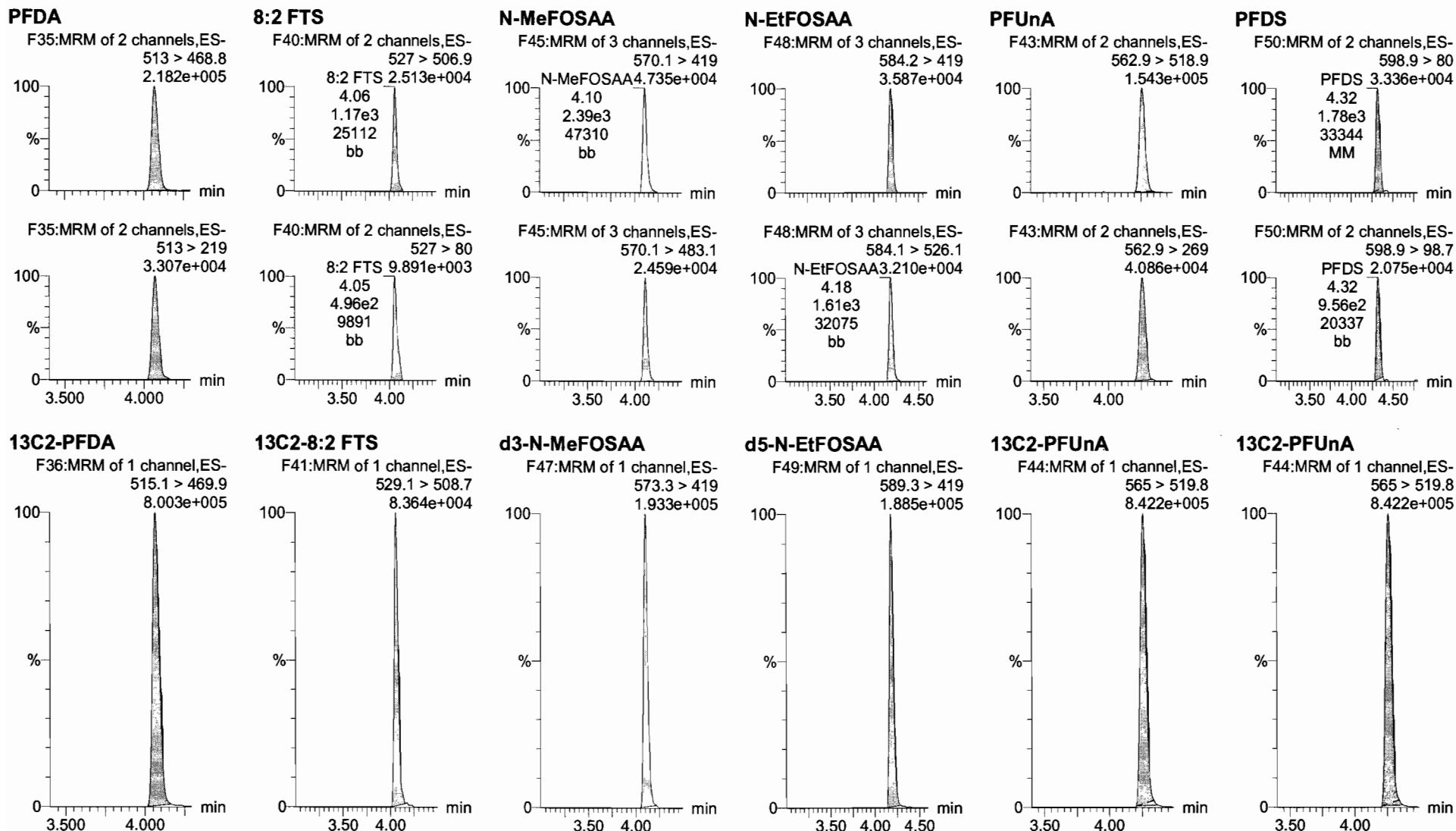
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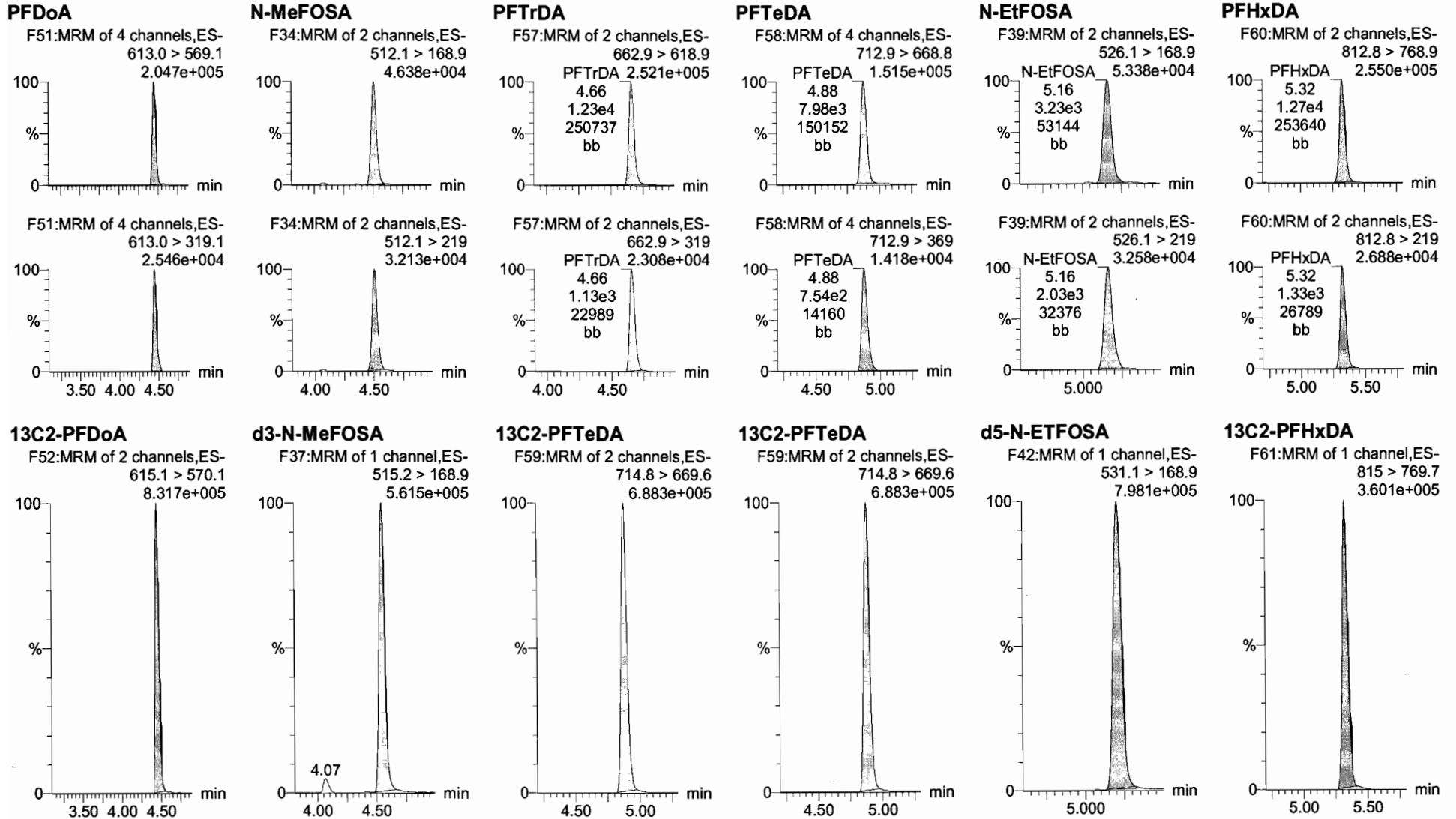


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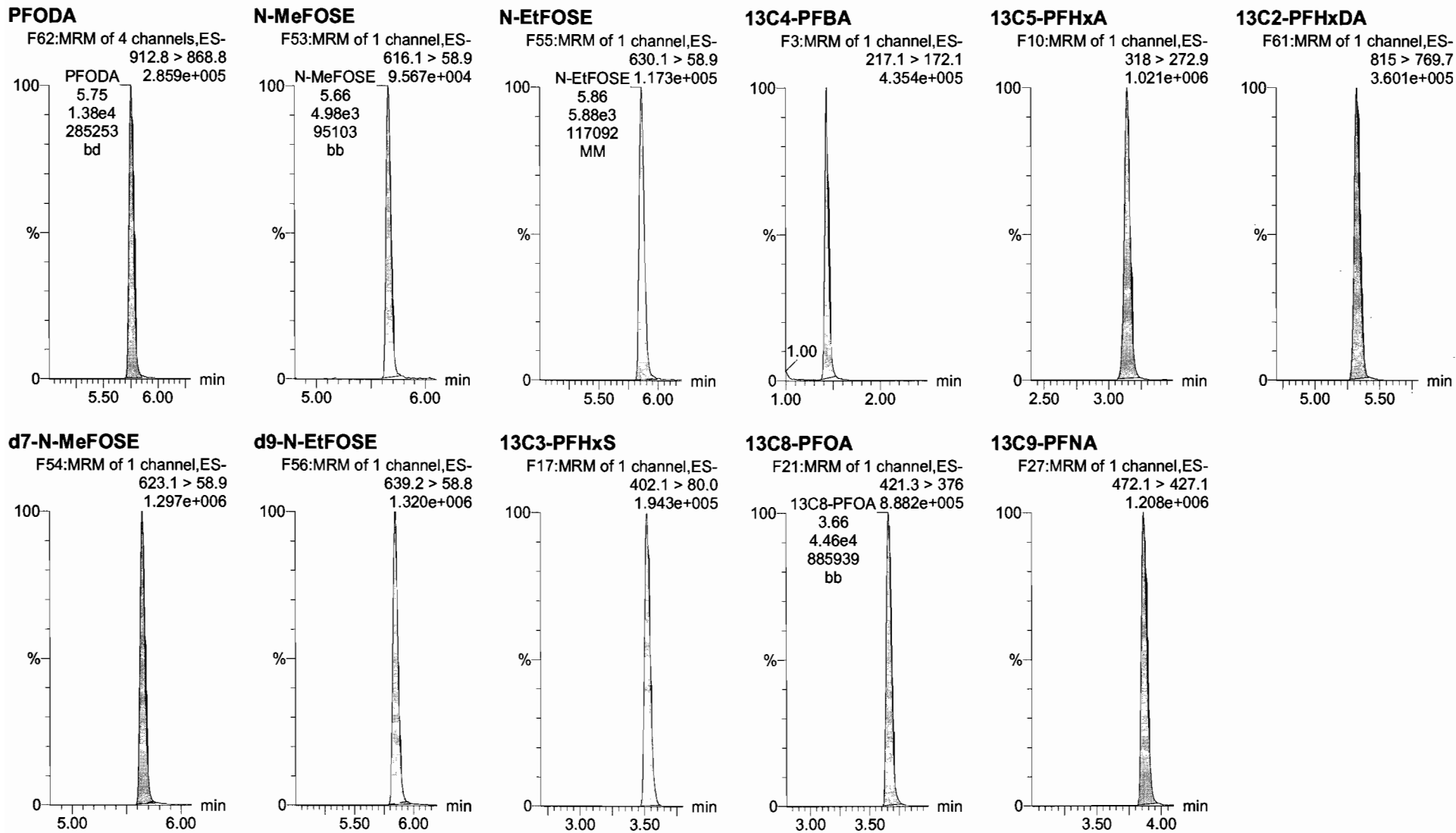
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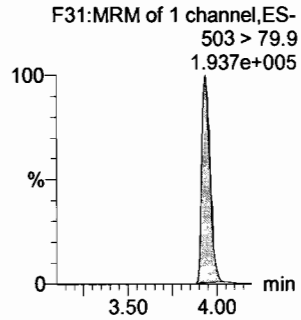
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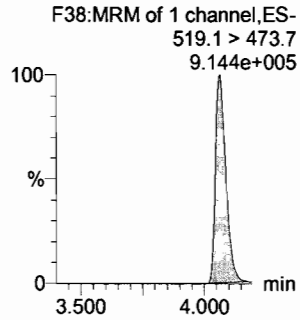
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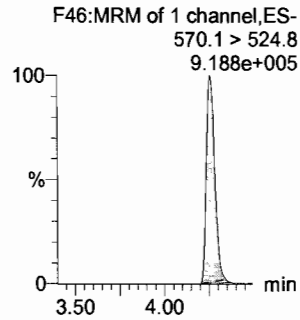
13C4-PFOS



13C6-PFDA



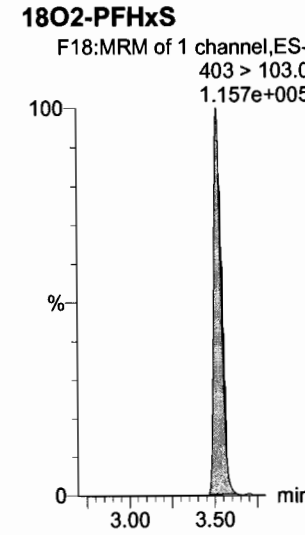
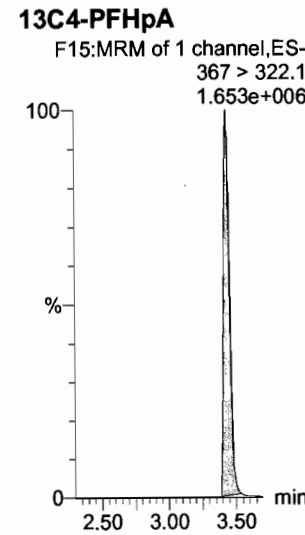
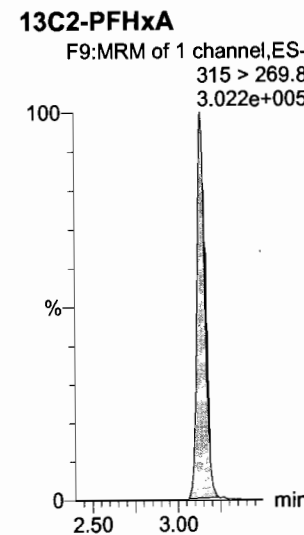
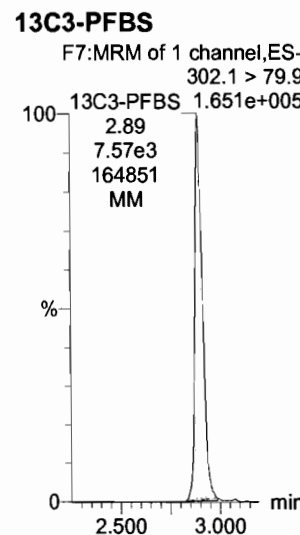
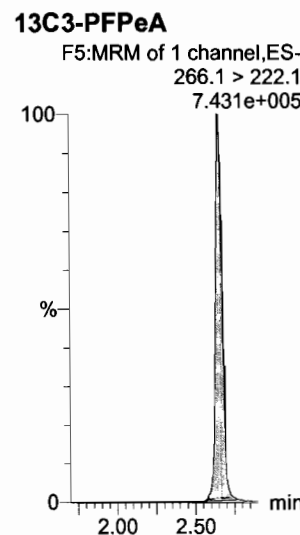
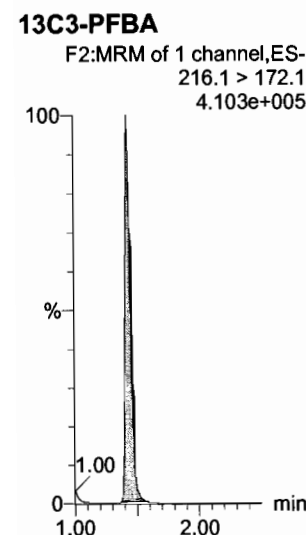
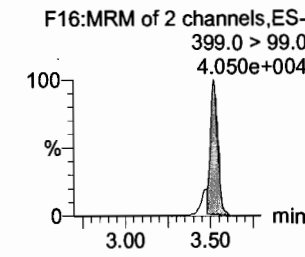
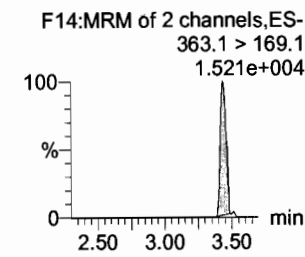
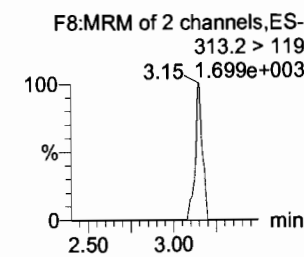
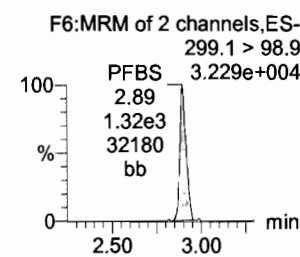
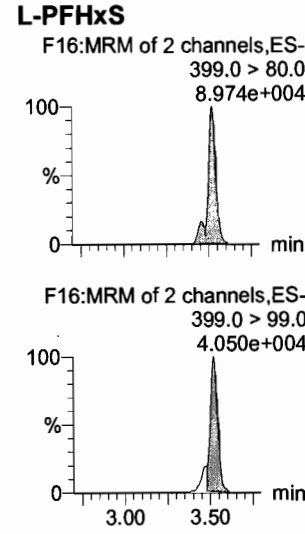
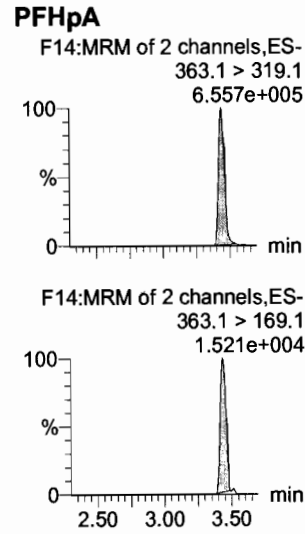
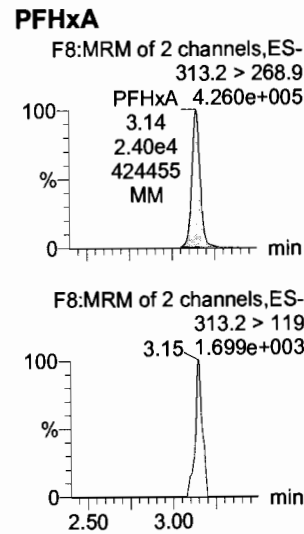
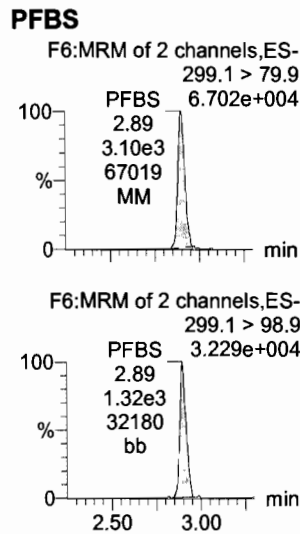
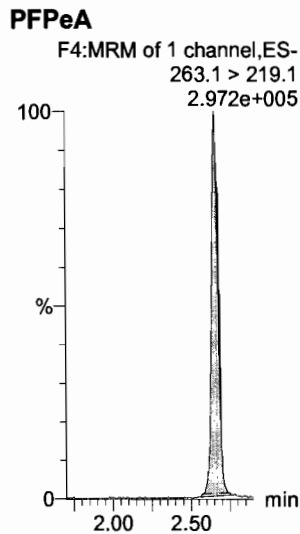
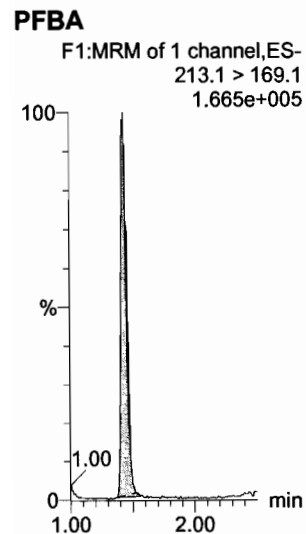
13C7-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
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Name: 171002M3_6, Date: 02-Oct-2017, Time: 11:13:39, ID: ST171002M2-5 PFC CS2 17I2925, Description: PFC CS2 17I2925



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

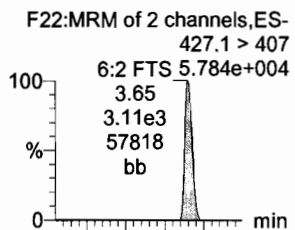
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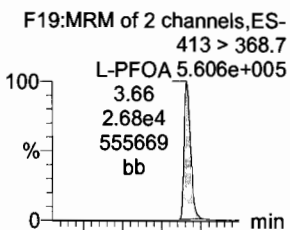
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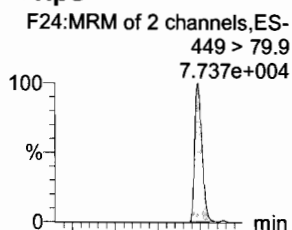
6:2 FTS



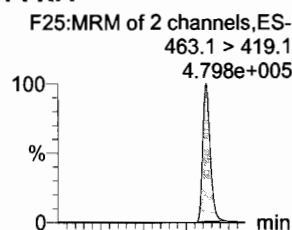
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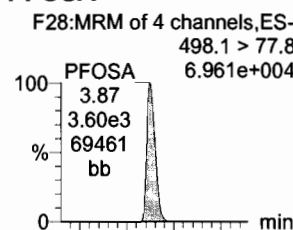
PFHps



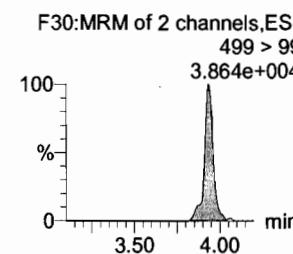
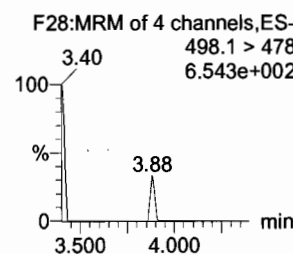
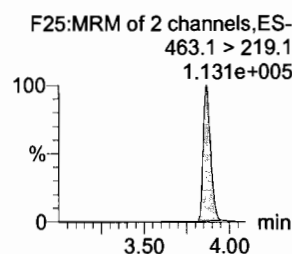
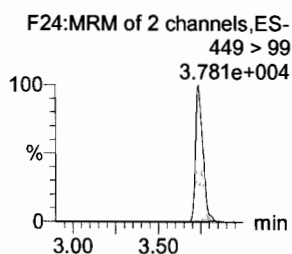
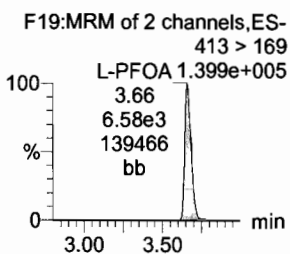
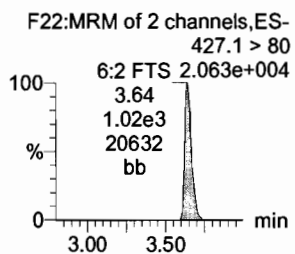
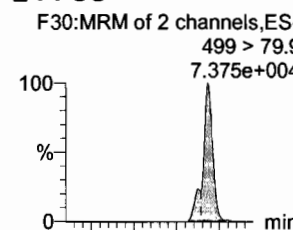
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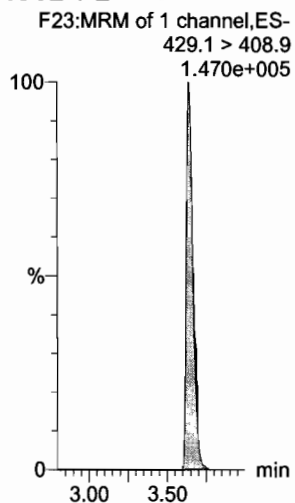
PFOSA



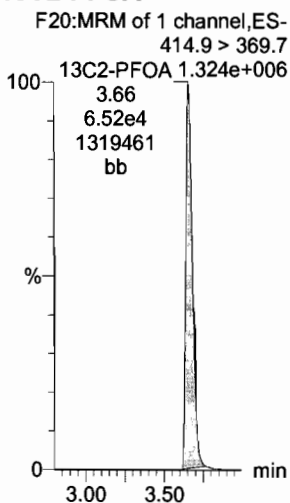
L-PFOS



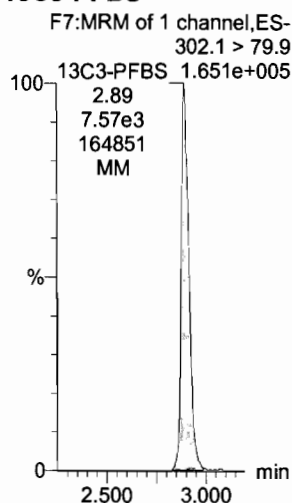
13C2-6:2 FTS



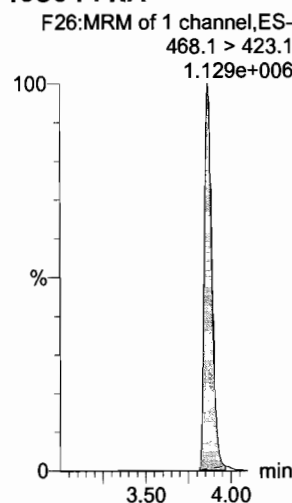
13C2-PFOA



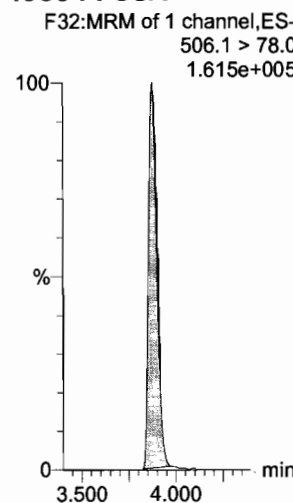
13C3-PFBS



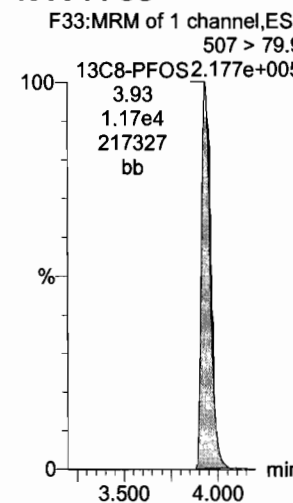
13C5-PFNA



13C8-PFOA



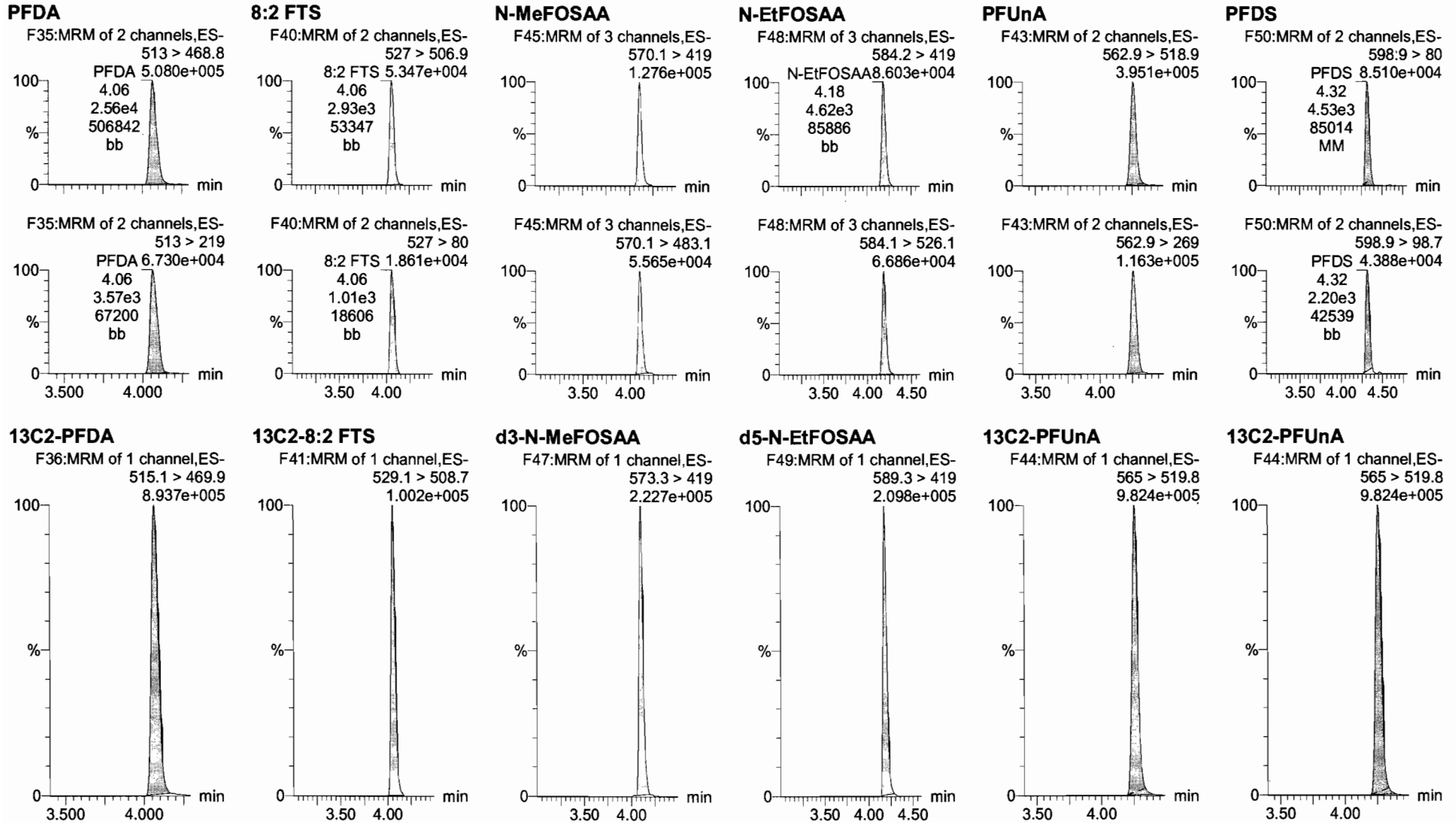
13C8-PFOS



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

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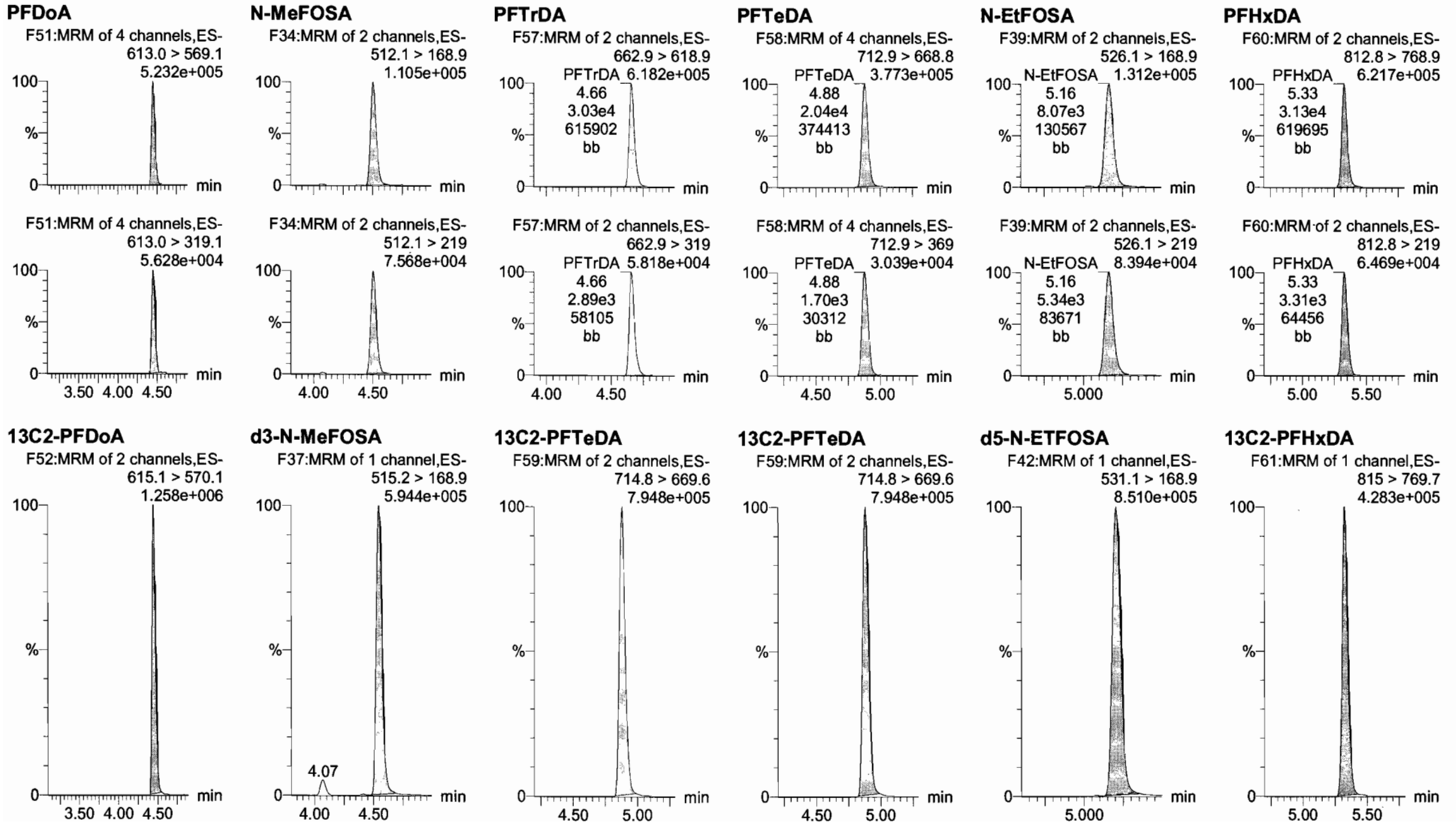
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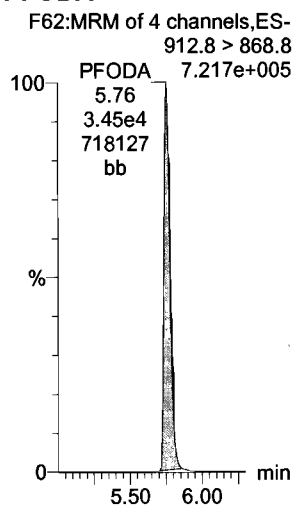
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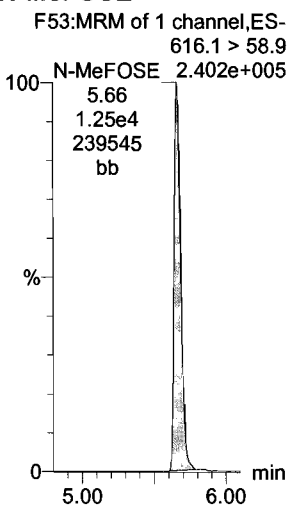
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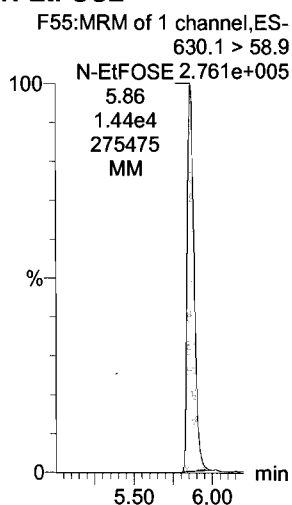
PFODA



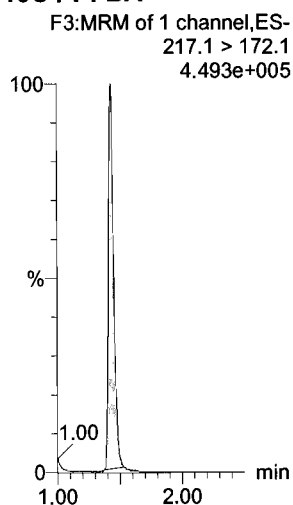
N-MeFOSE



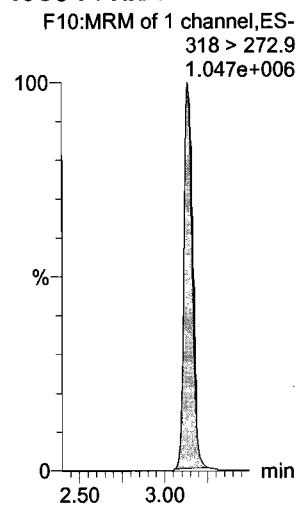
N-EtFOSE



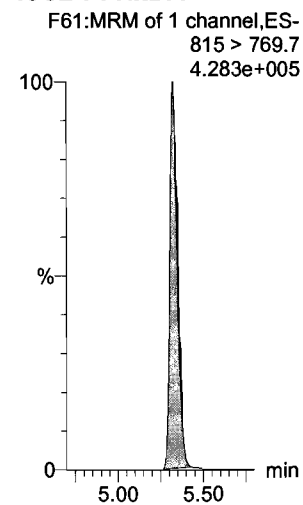
13C4-PFBA



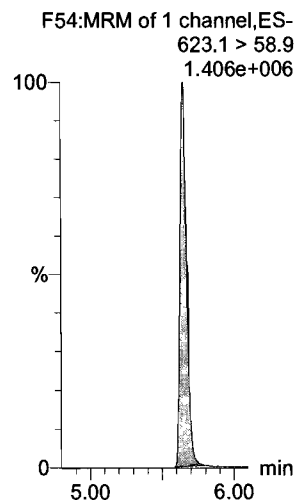
13C5-PFHxA



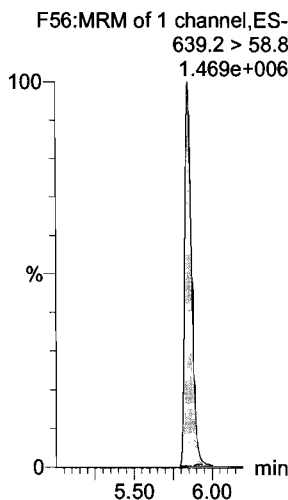
13C2-PFHxDA



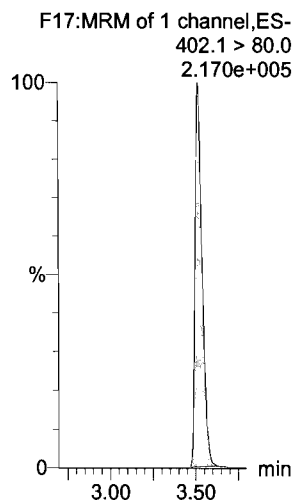
d7-N-MeFOSE



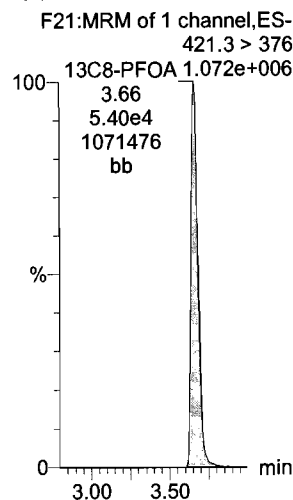
d9-N-EtFOSE



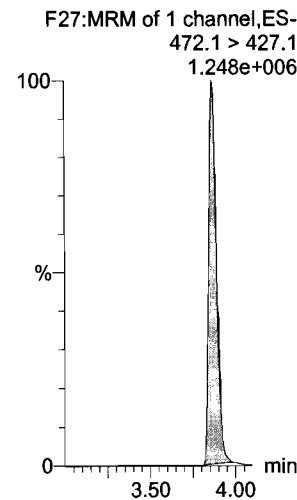
13C3-PFHxS



13C8-PFOA



13C9-PFNA



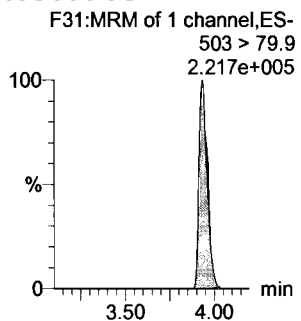
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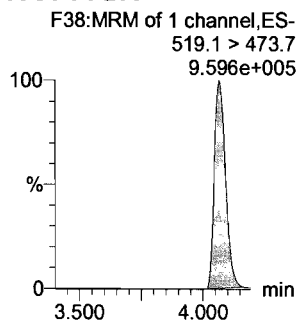
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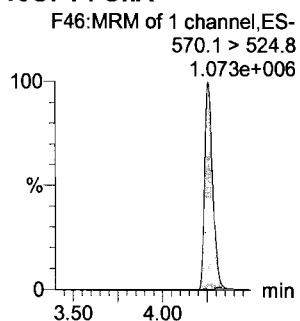
13C4-PFOS



13C6-PFDA



13C7-PFUnA



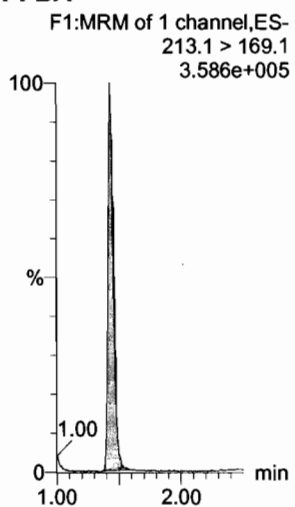
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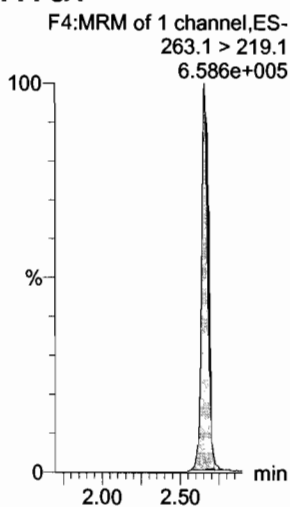
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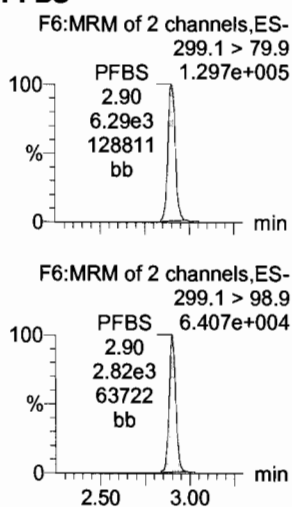
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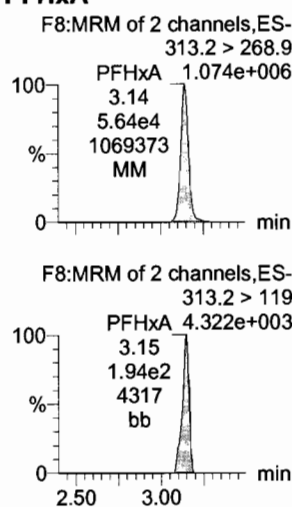
PFPeA



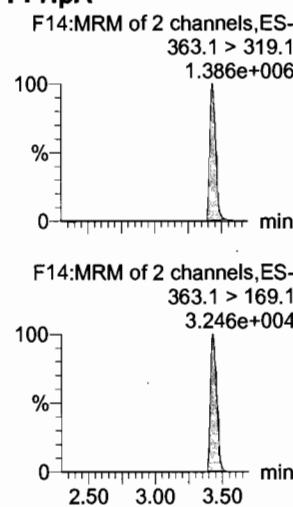
PFBS



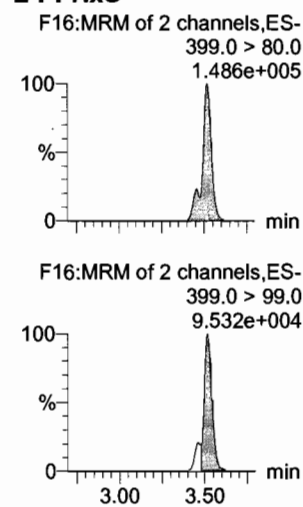
PFHxA



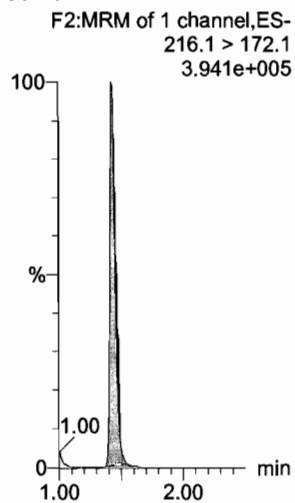
PFHpA



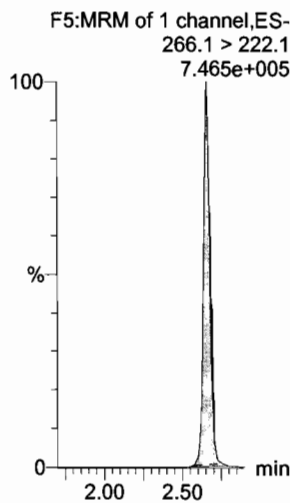
L-PFHxS



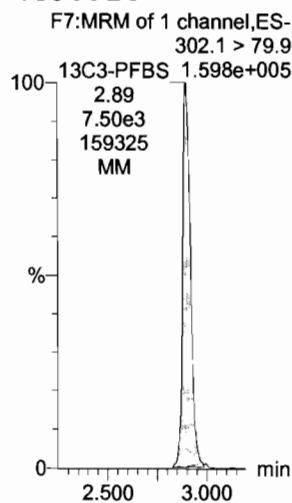
13C3-PFBA



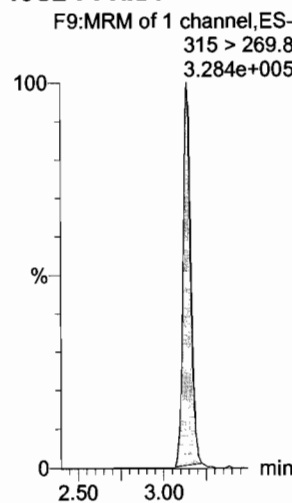
13C3-PFPeA



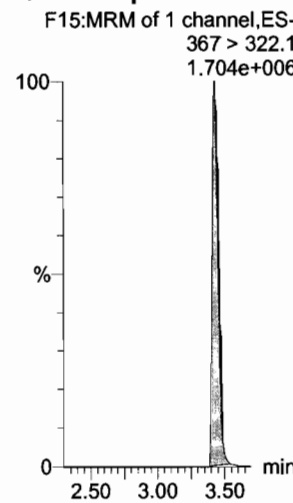
13C3-PFBS



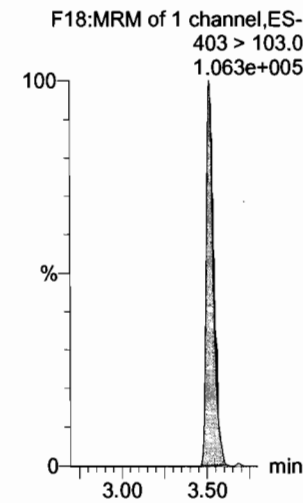
13C2-PFHxA



13C4-PFHpA



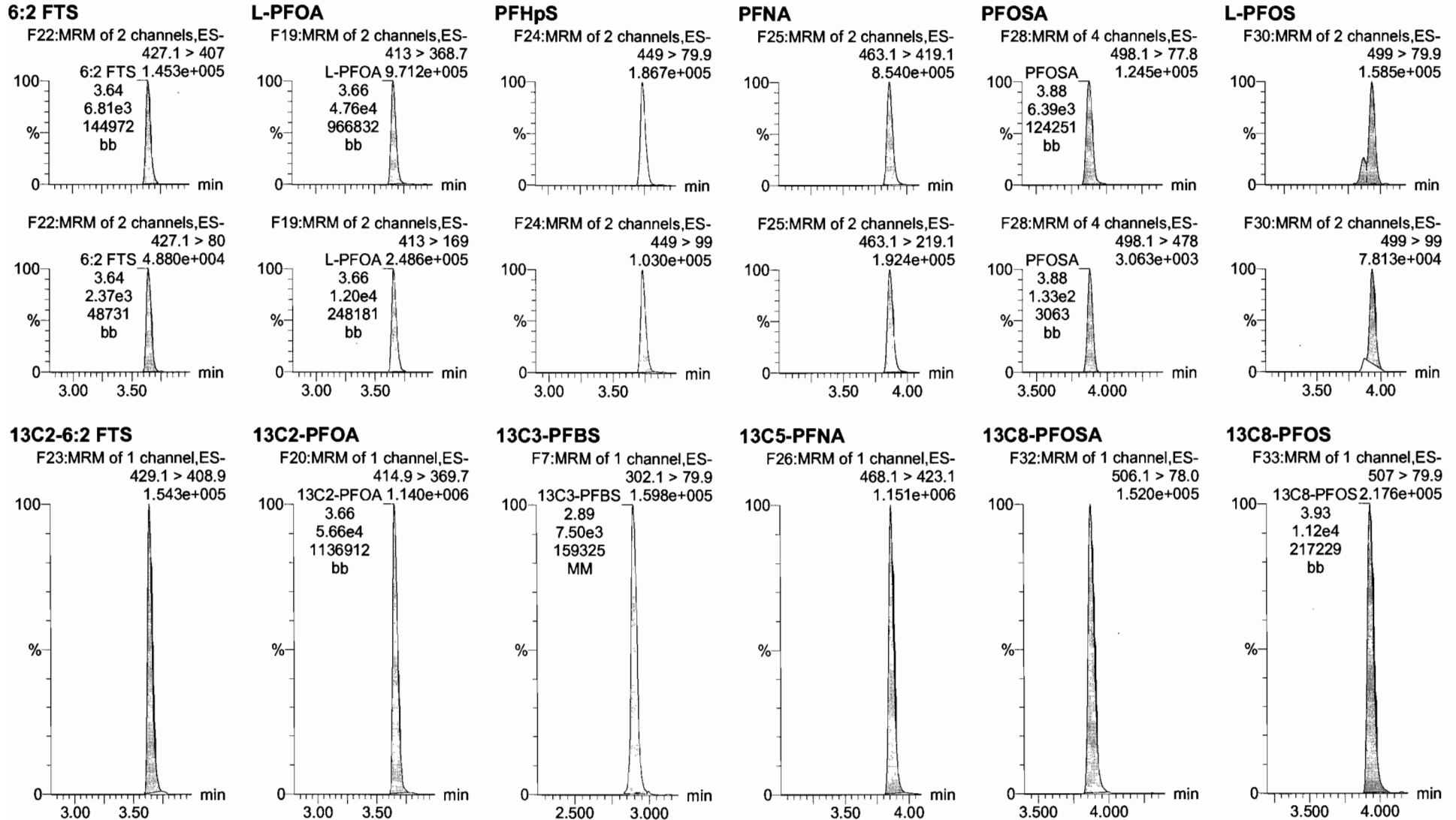
18O2-PFHxS



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Name: 171002M3_7, Date: 02-Oct-2017, Time: 11:24:36, ID: ST171002M2-6 PFC CS3 1712915, Description: PFC CS3 1712915



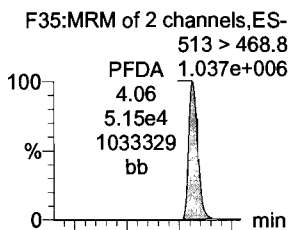
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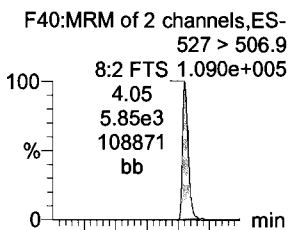
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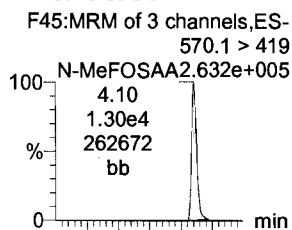
PFDA



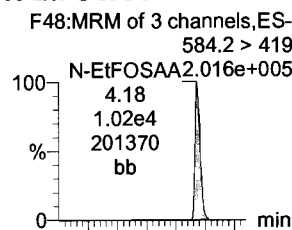
8:2 FTS



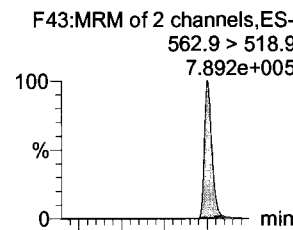
N-MeFOSAA



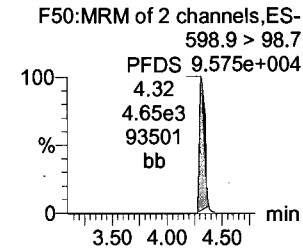
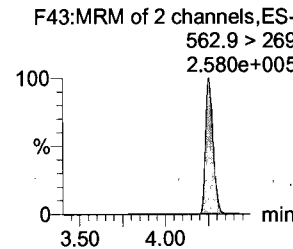
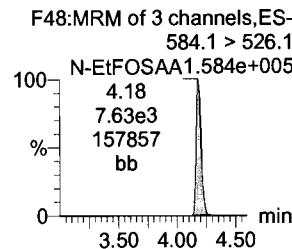
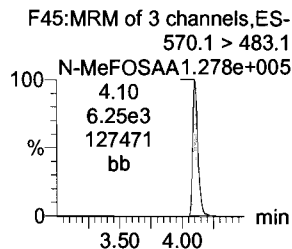
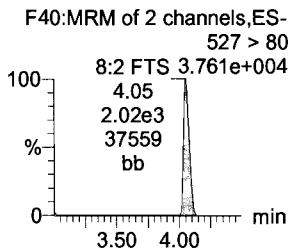
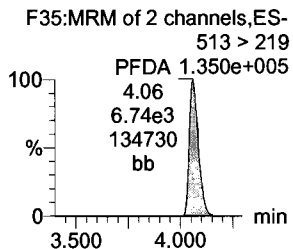
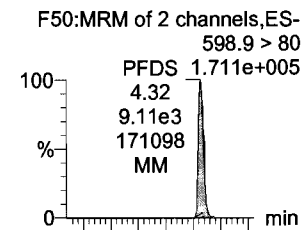
N-EtFOSAA



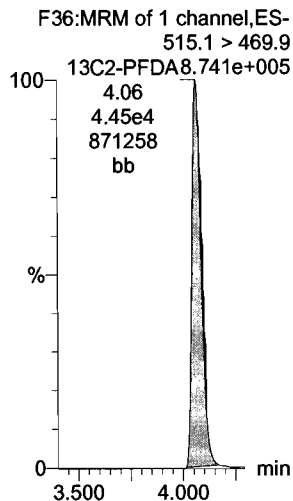
PFUnA



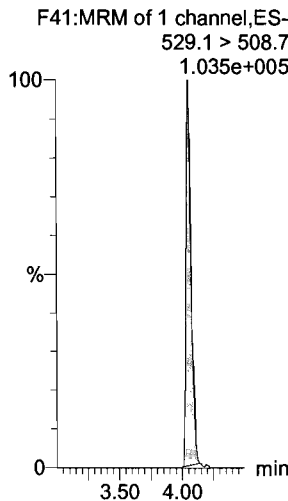
PFDS



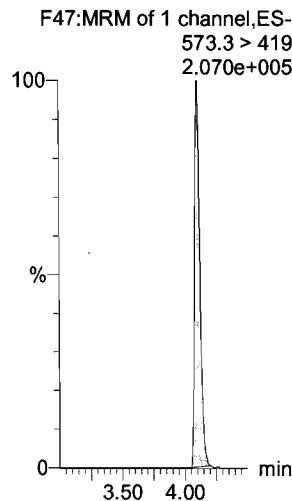
13C2-PFDA



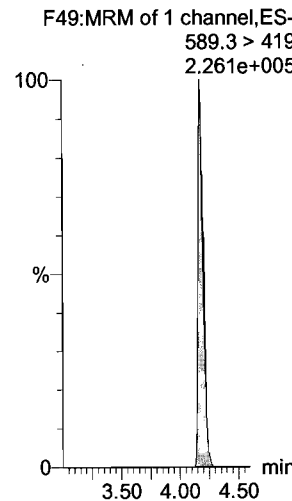
13C2-8:2 FTS



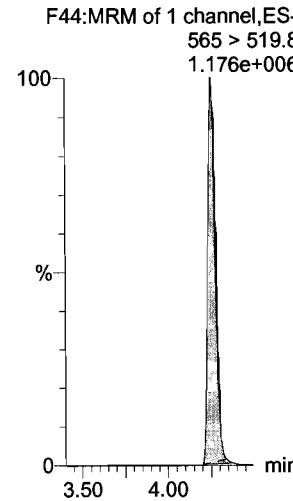
d3-N-MeFOSAA



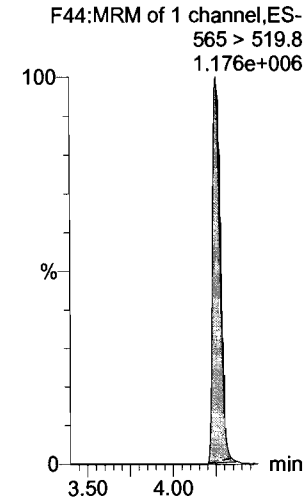
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA



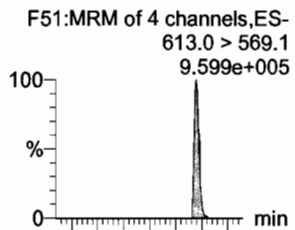
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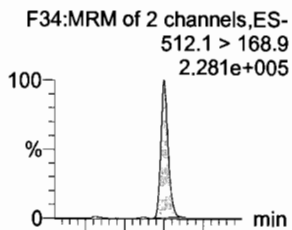
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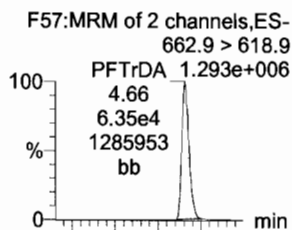
PFDaA



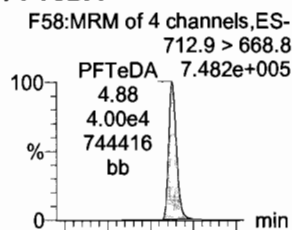
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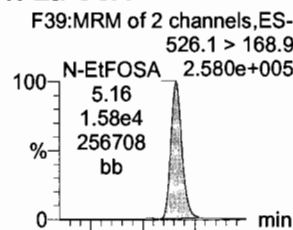
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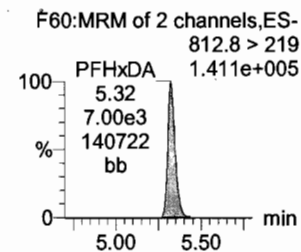
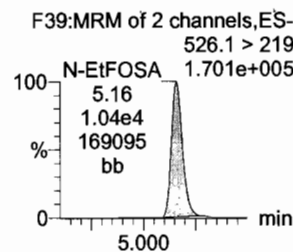
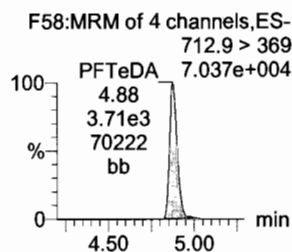
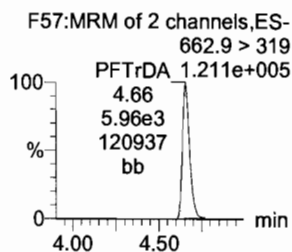
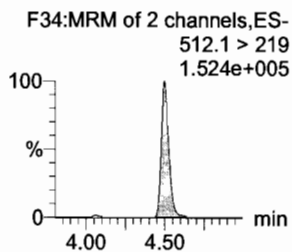
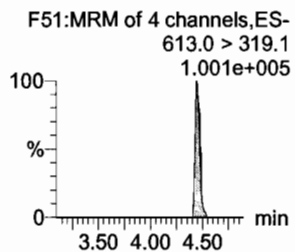
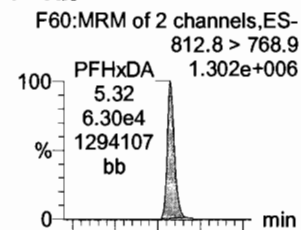
PFTeDA



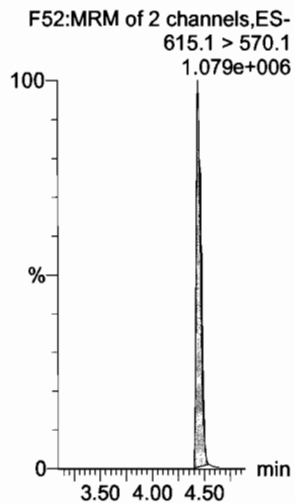
N-EtFOSA



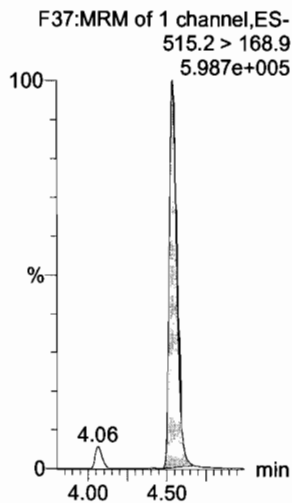
PFHxDA



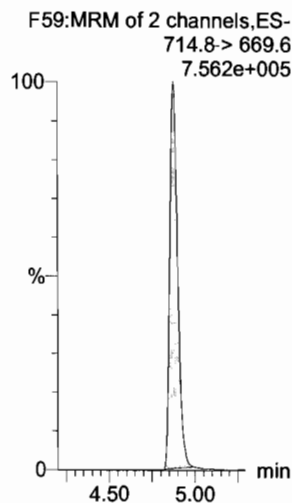
13C2-PFDaA



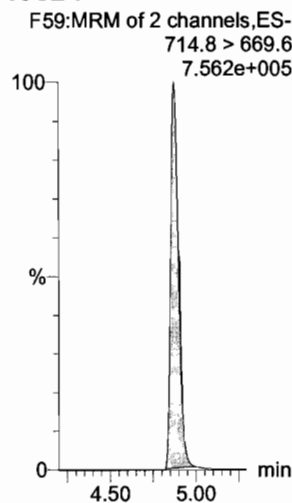
d3-N-MeFOSA



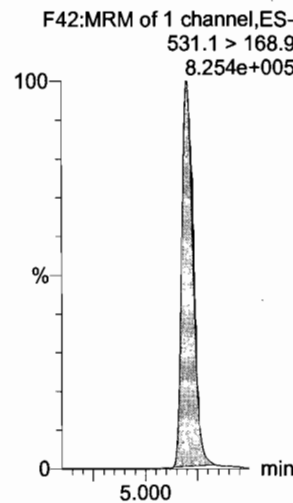
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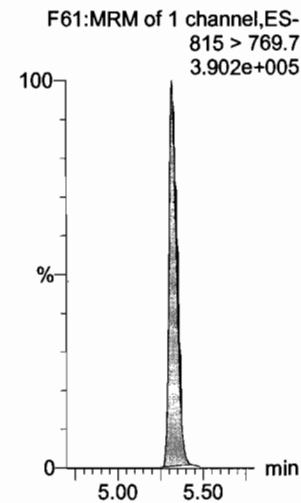
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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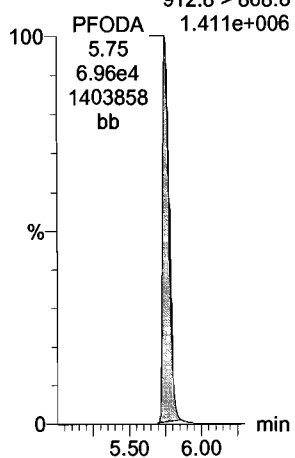
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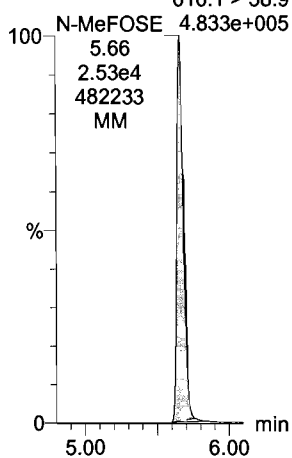
PFODA

F62:MRM of 4 channels,ES-912.8 > 868.8



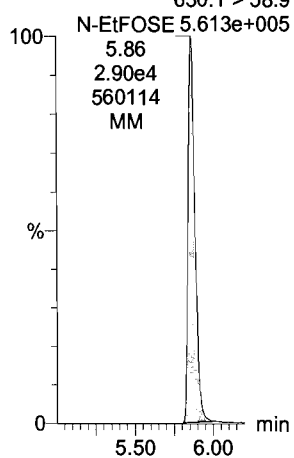
N-MeFOSE

F53:MRM of 1 channel,ES-616.1 > 58.9



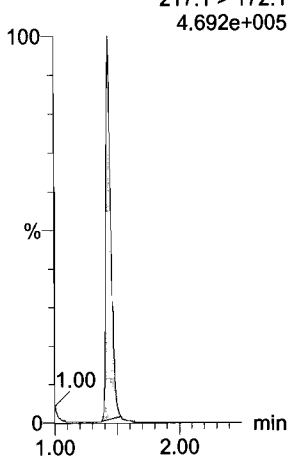
N-EtFOSE

F55:MRM of 1 channel,ES-630.1 > 58.9



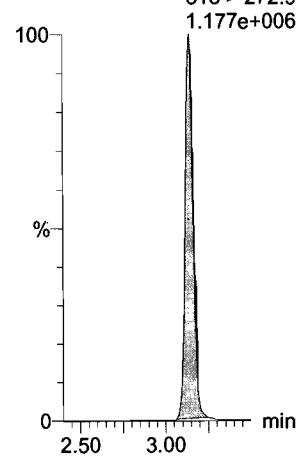
13C4-PFBA

F3:MRM of 1 channel,ES-217.1 > 172.1



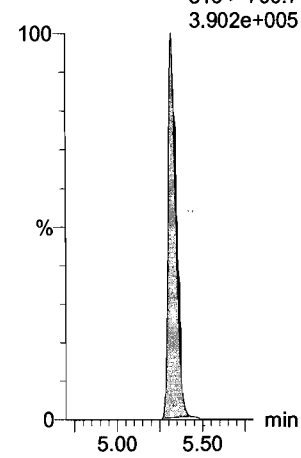
13C5-PFHxA

F10:MRM of 1 channel,ES-318 > 272.9



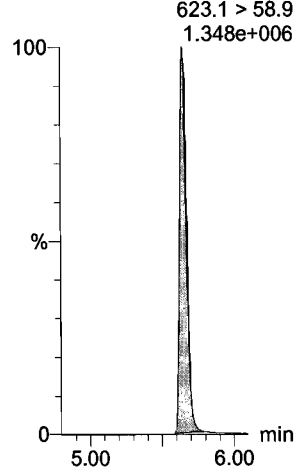
13C2-PFHxDA

F61:MRM of 1 channel,ES-815 > 769.7



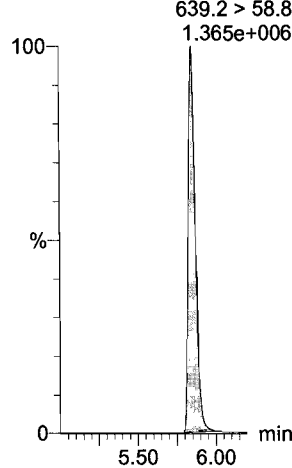
d7-N-MeFOSE

F54:MRM of 1 channel,ES-623.1 > 58.9



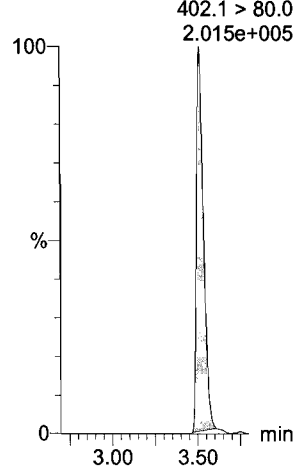
d9-N-EtFOSE

F56:MRM of 1 channel,ES-639.2 > 58.8



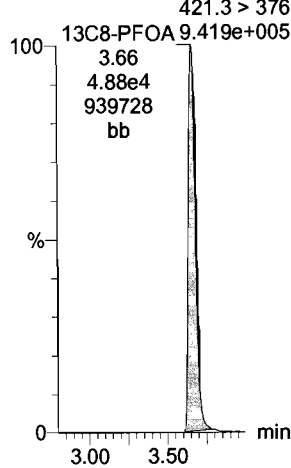
13C3-PFHxS

F17:MRM of 1 channel,ES-402.1 > 80.0



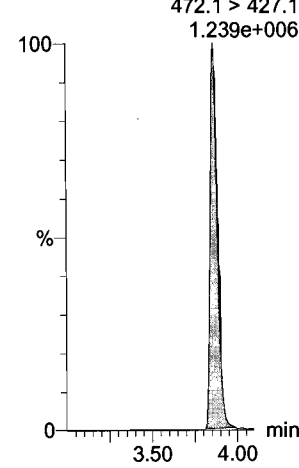
13C8-PFOA

F21:MRM of 1 channel,ES-421.3 > 376



13C9-PFNA

F27:MRM of 1 channel,ES-472.1 > 427.1



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

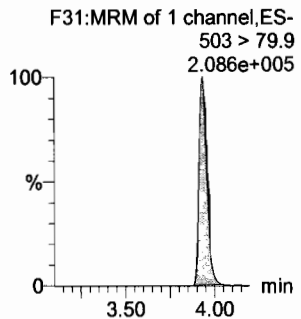
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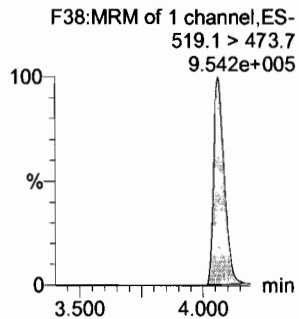
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3
A

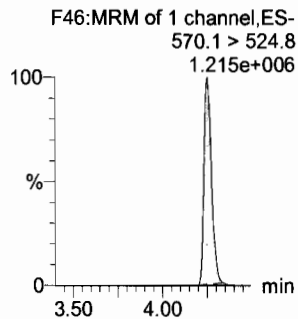
13C4-PFOS



13C6-PFDA



13C7-PFUnA



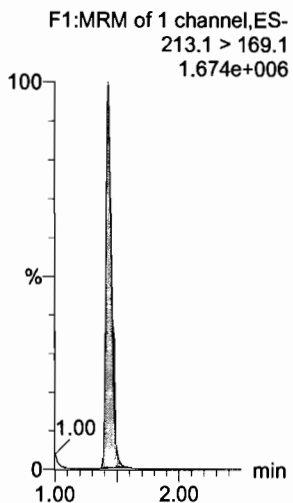
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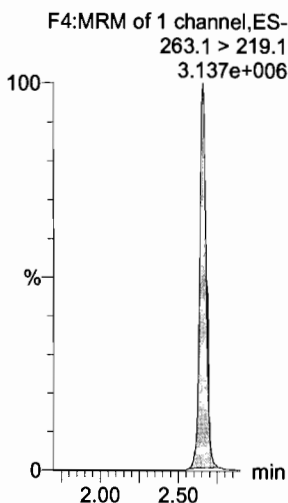
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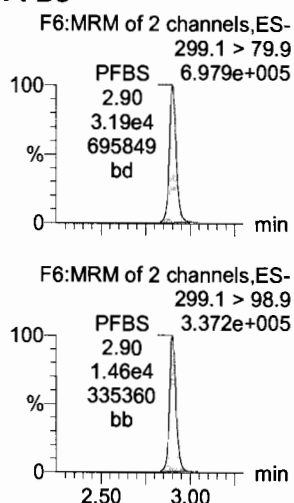
PFBA



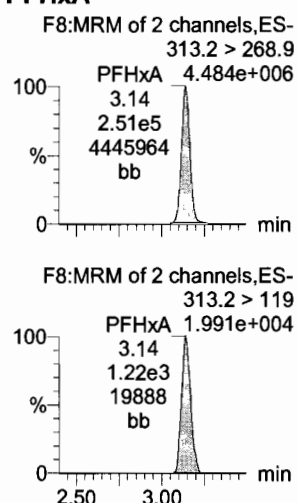
PFPeA



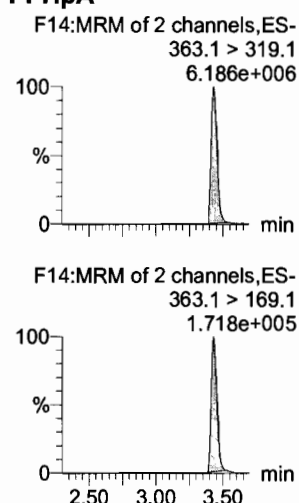
PFBS



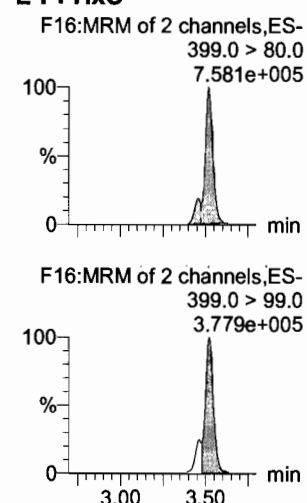
PFHxA



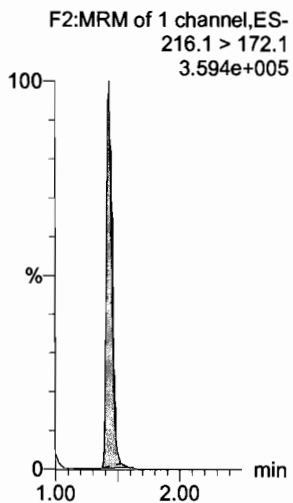
PFHpA



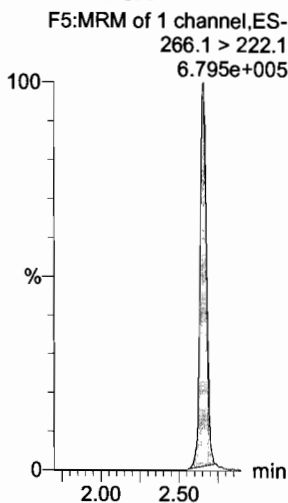
L-PFHxS



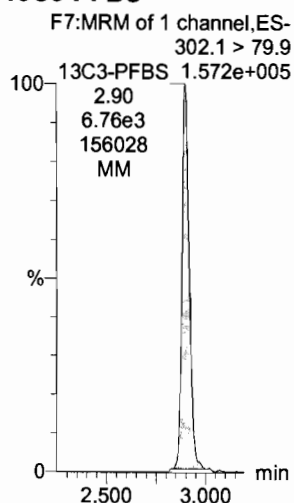
13C3-PFBA



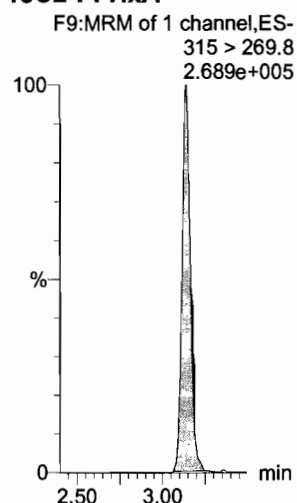
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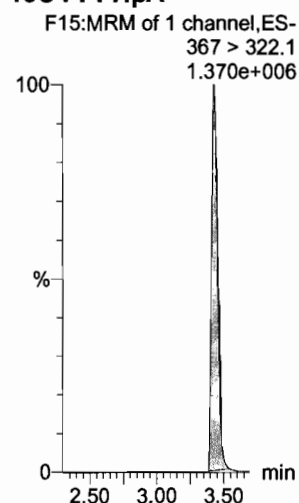
13C3-PFBS



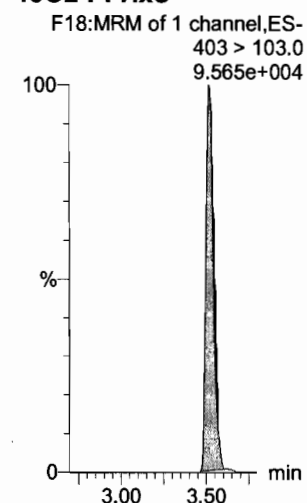
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

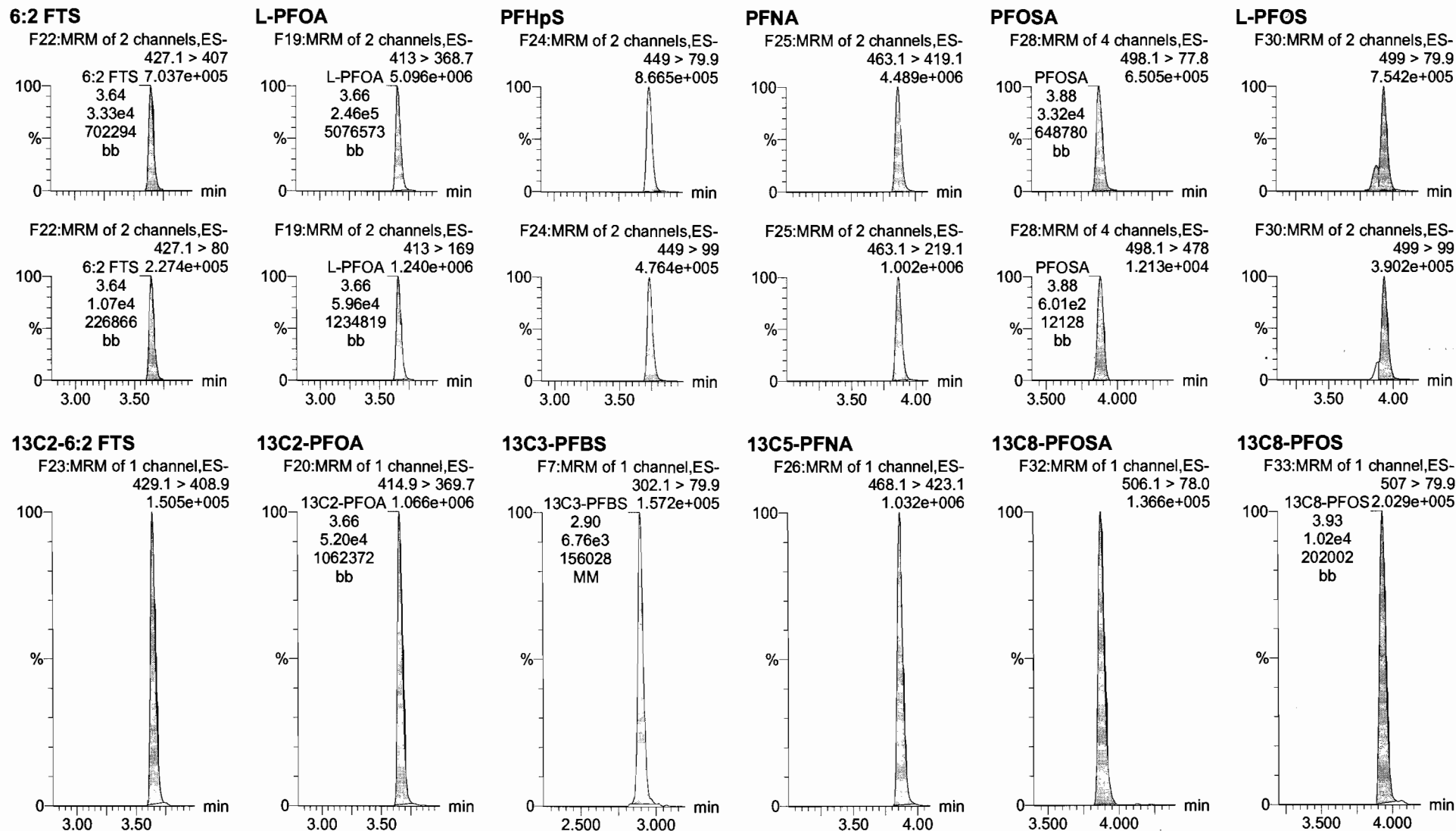


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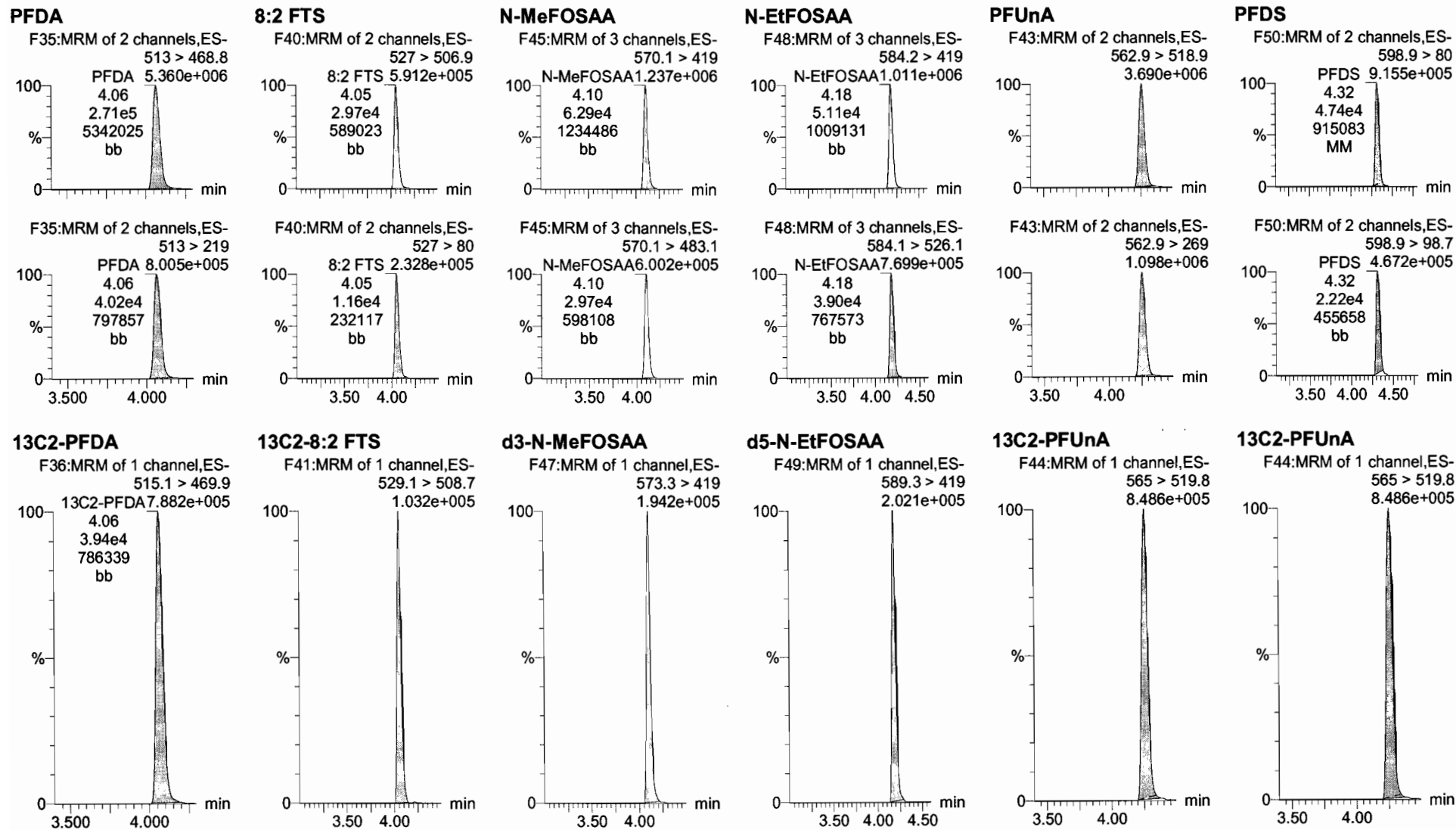


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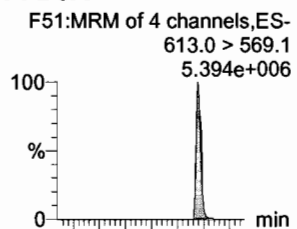
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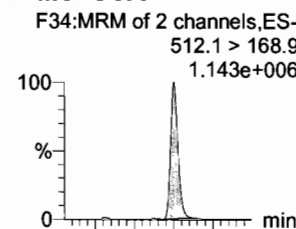
3A

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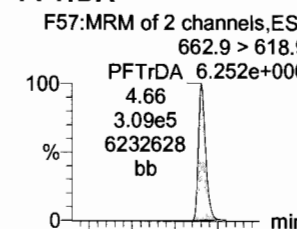
PFDaA



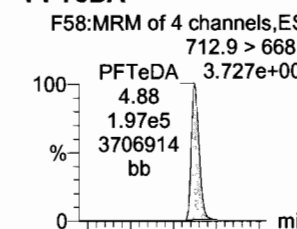
N-MeFOSA



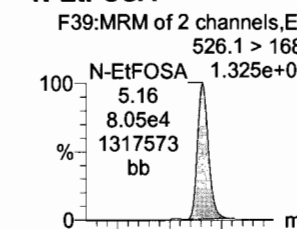
PFTrDA



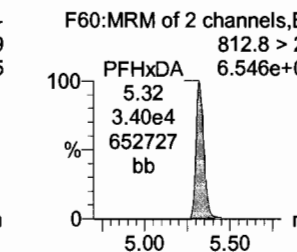
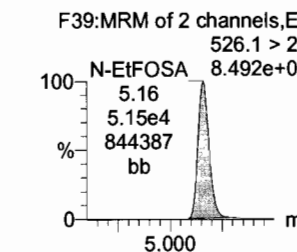
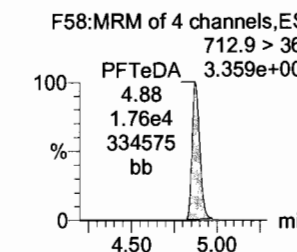
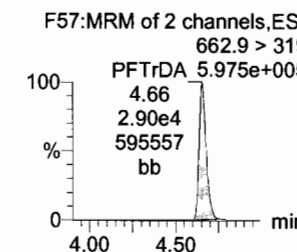
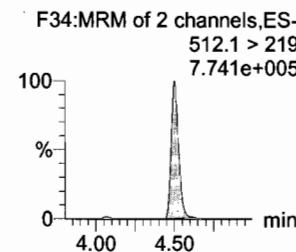
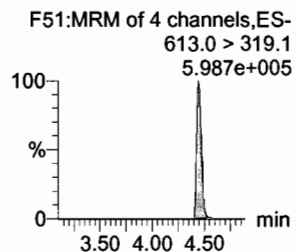
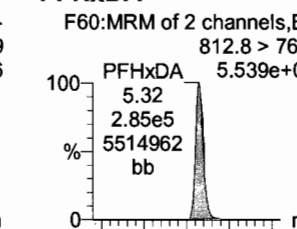
PFTeDA



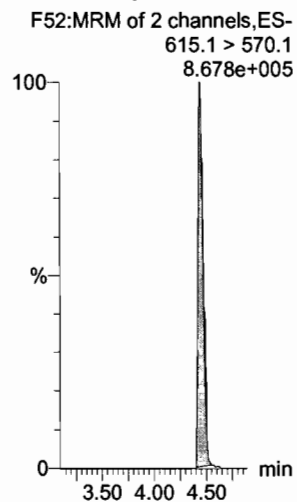
N-EtFOSA



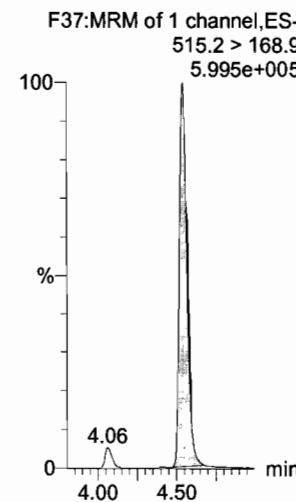
PFHxDA



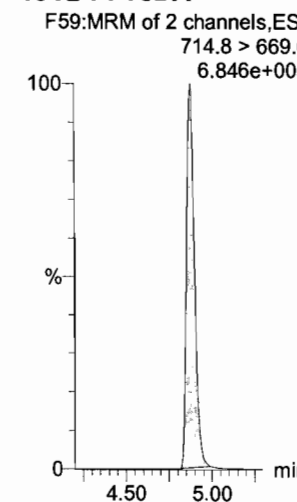
13C2-PFDaA



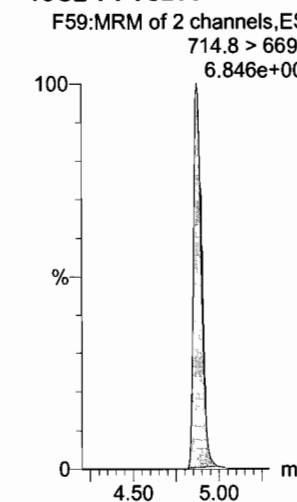
d3-N-MeFOSA



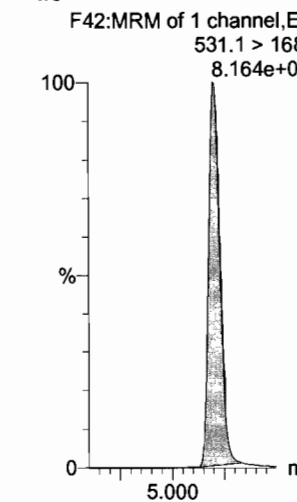
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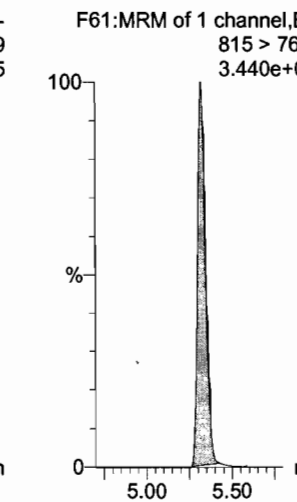
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

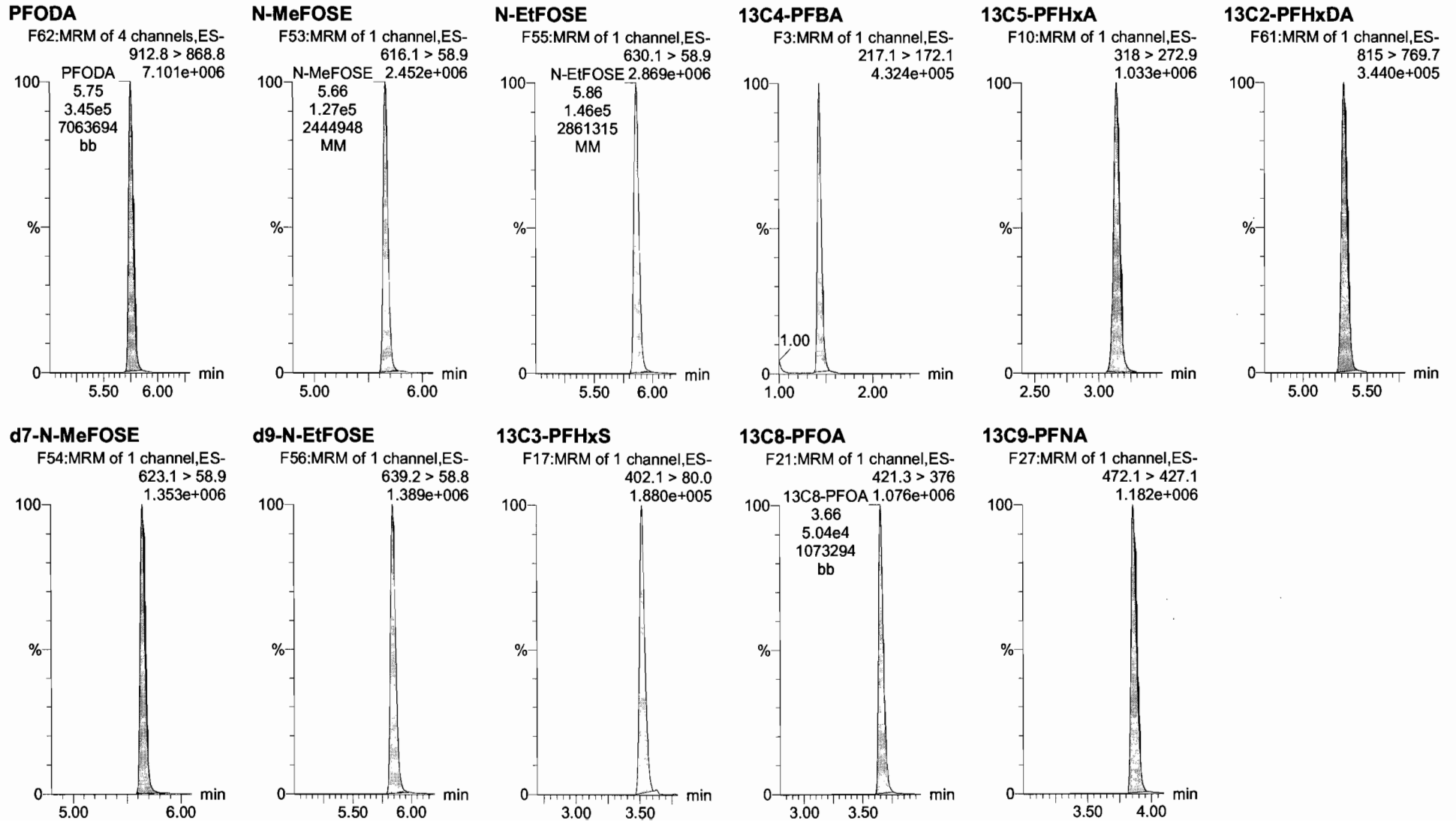


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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

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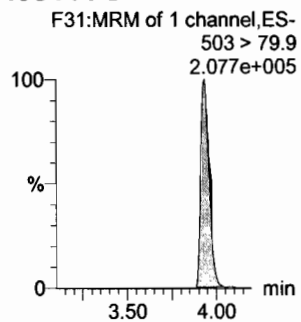
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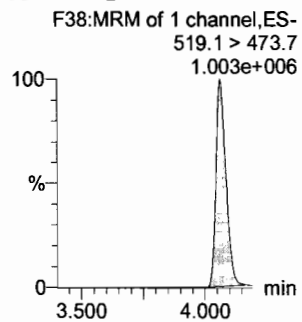
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3

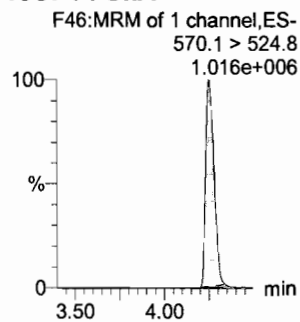
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

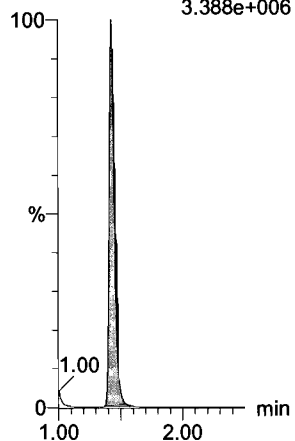
Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

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Name: 171002M3_9, Date: 02-Oct-2017, Time: 11:46:23, ID: ST171002M2-8 PFC CS5 17I2917, Description: PFC CS5 17I2917

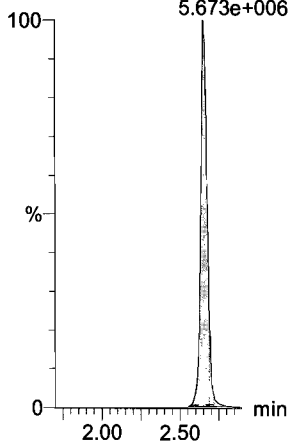
PFBA

F1:MRM of 1 channel,ES-
213.1 > 169.1
3.388e+006



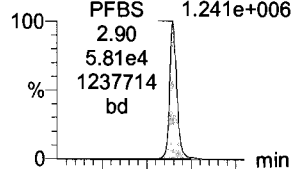
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 219.1
5.673e+006

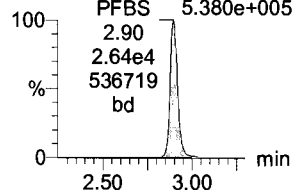


PFBS

F6:MRM of 2 channels,ES-
299.1 > 79.9
1.241e+006

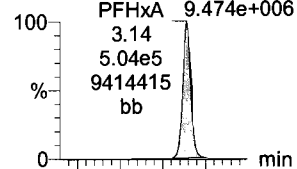


F6:MRM of 2 channels,ES-
299.1 > 98.9
5.380e+005

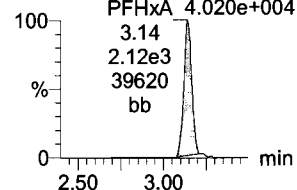


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
9.474e+006

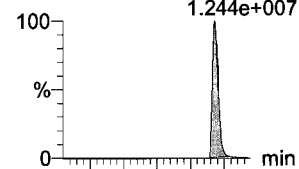


F8:MRM of 2 channels,ES-
313.2 > 119
4.020e+004

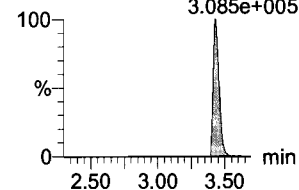


PFHpA

F14:MRM of 2 channels,ES-
363.1 > 319.1
1.244e+007

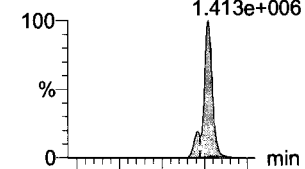


F14:MRM of 2 channels,ES-
363.1 > 169.1
3.085e+005

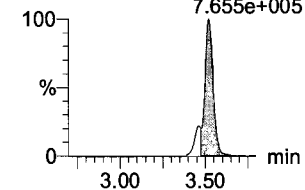


L-PFHxS

F16:MRM of 2 channels,ES-
399.0 > 80.0
1.413e+006

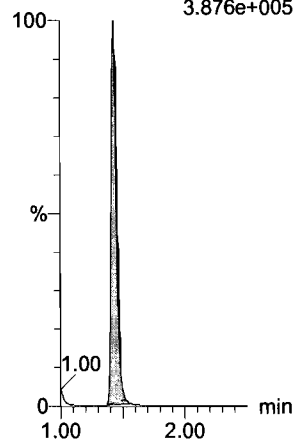


F16:MRM of 2 channels,ES-
399.0 > 99.0
7.655e+005



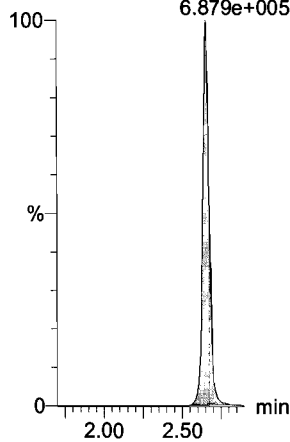
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 172.1
3.876e+005



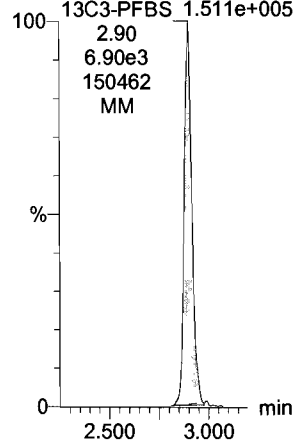
13C3-PFPeA

F5:MRM of 1 channel,ES-
266.1 > 222.1
6.879e+005



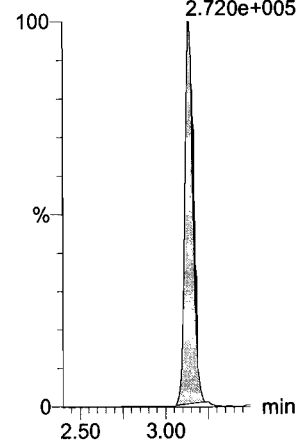
13C3-PFBS

F7:MRM of 1 channel,ES-
302.1 > 79.9
1.511e+005



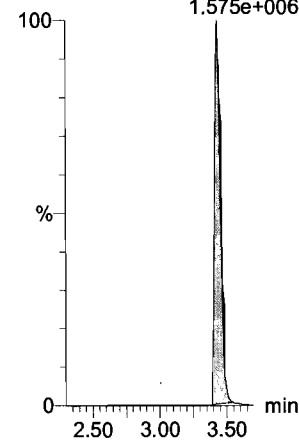
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
2.720e+005



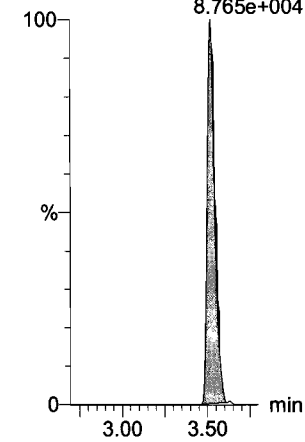
13C4-PFHpA

F15:MRM of 1 channel,ES-
367 > 322.1
1.575e+006



18O2-PFHxS

F18:MRM of 1 channel,ES-
403 > 103.0
8.765e+004



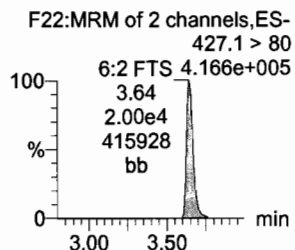
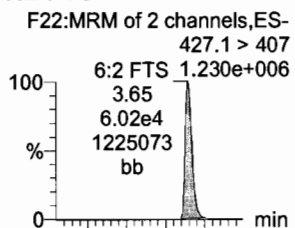
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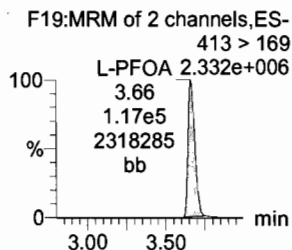
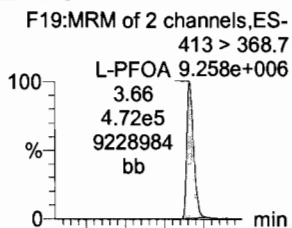
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Name: 171002M3_9, Date: 02-Oct-2017, Time: 11:46:23, ID: ST171002M2-8 PFC CS5 1712917, Description: PFC CS5 1712917

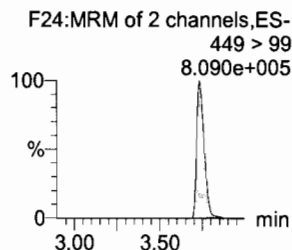
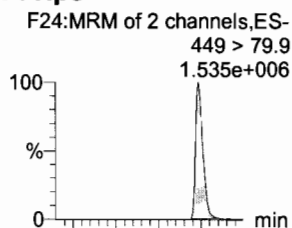
6:2 FTS



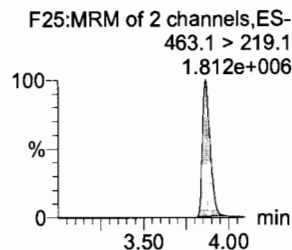
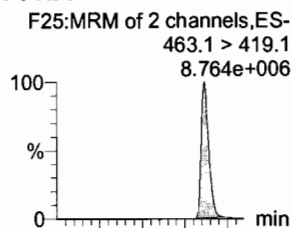
L-PFOA



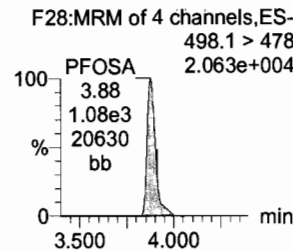
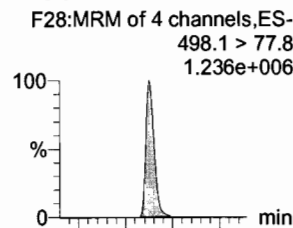
PFHpS



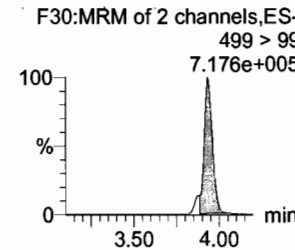
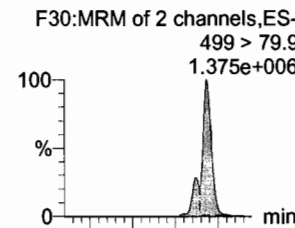
PFNA



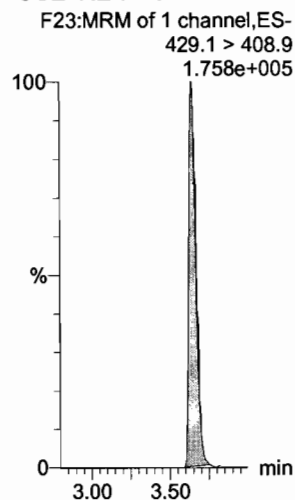
PFOSA



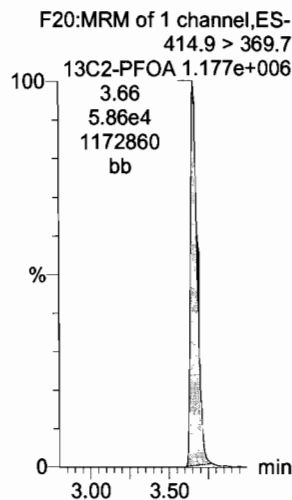
L-PFOS



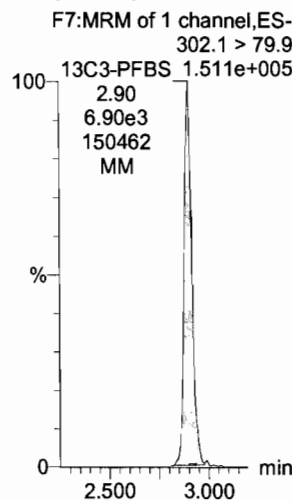
13C2-6:2 FTS



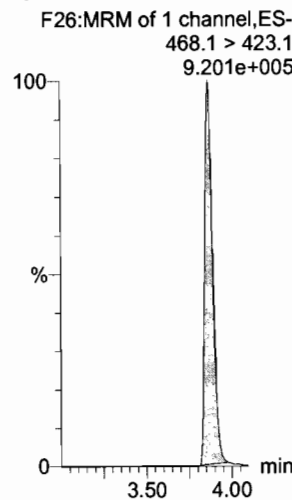
13C2-PFOA



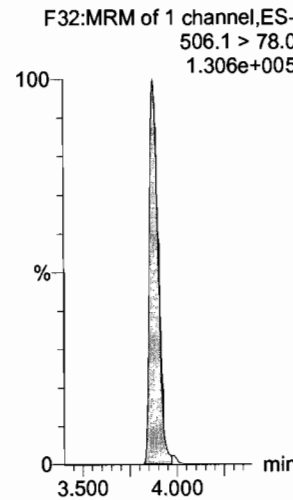
13C3-PFBS



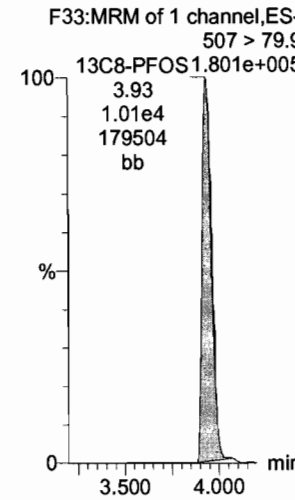
13C5-PFNA



13C8-PFOA



13C8-PFOS



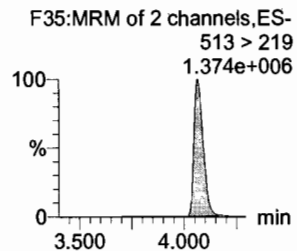
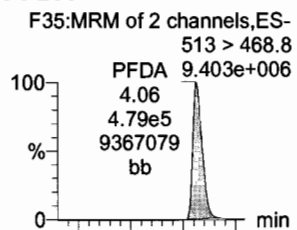
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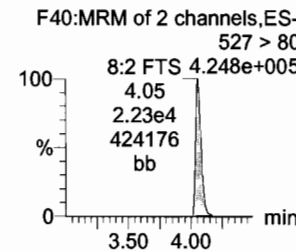
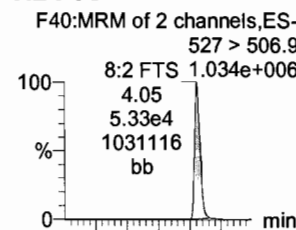
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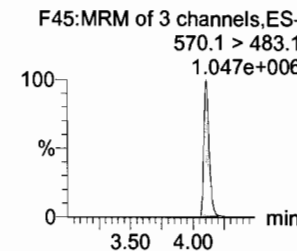
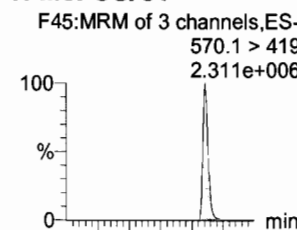
PFDA



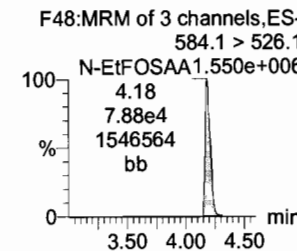
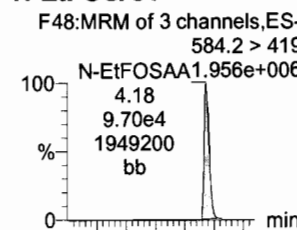
8:2 FTS



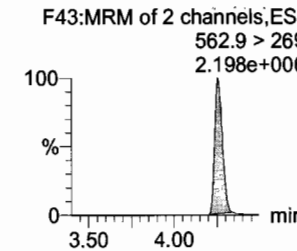
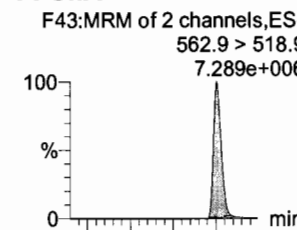
N-MeFOSAA



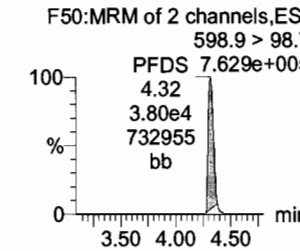
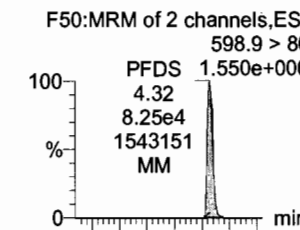
N-EtFOSAA



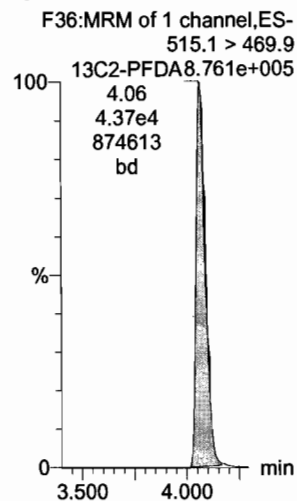
PFUnA



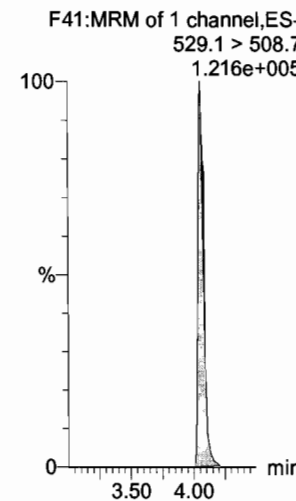
PFDS



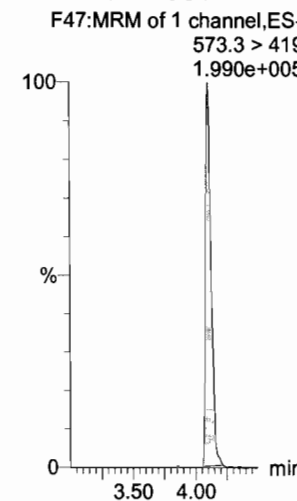
13C2-PFDA



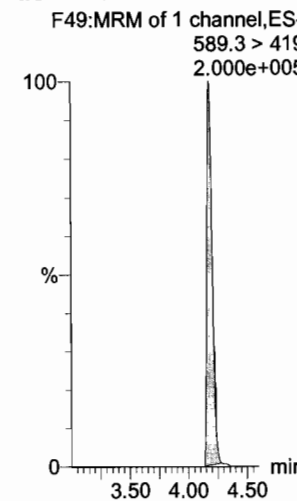
13C2-8:2 FTS



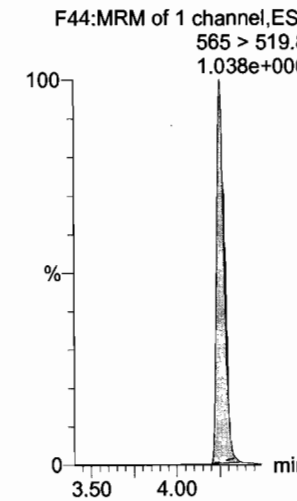
d3-N-MeFOSAA



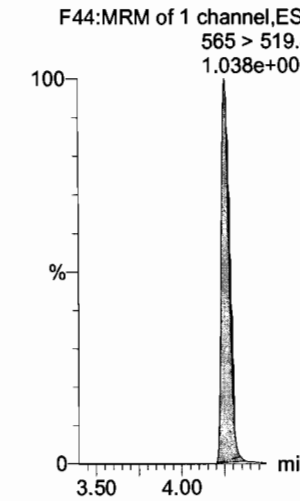
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

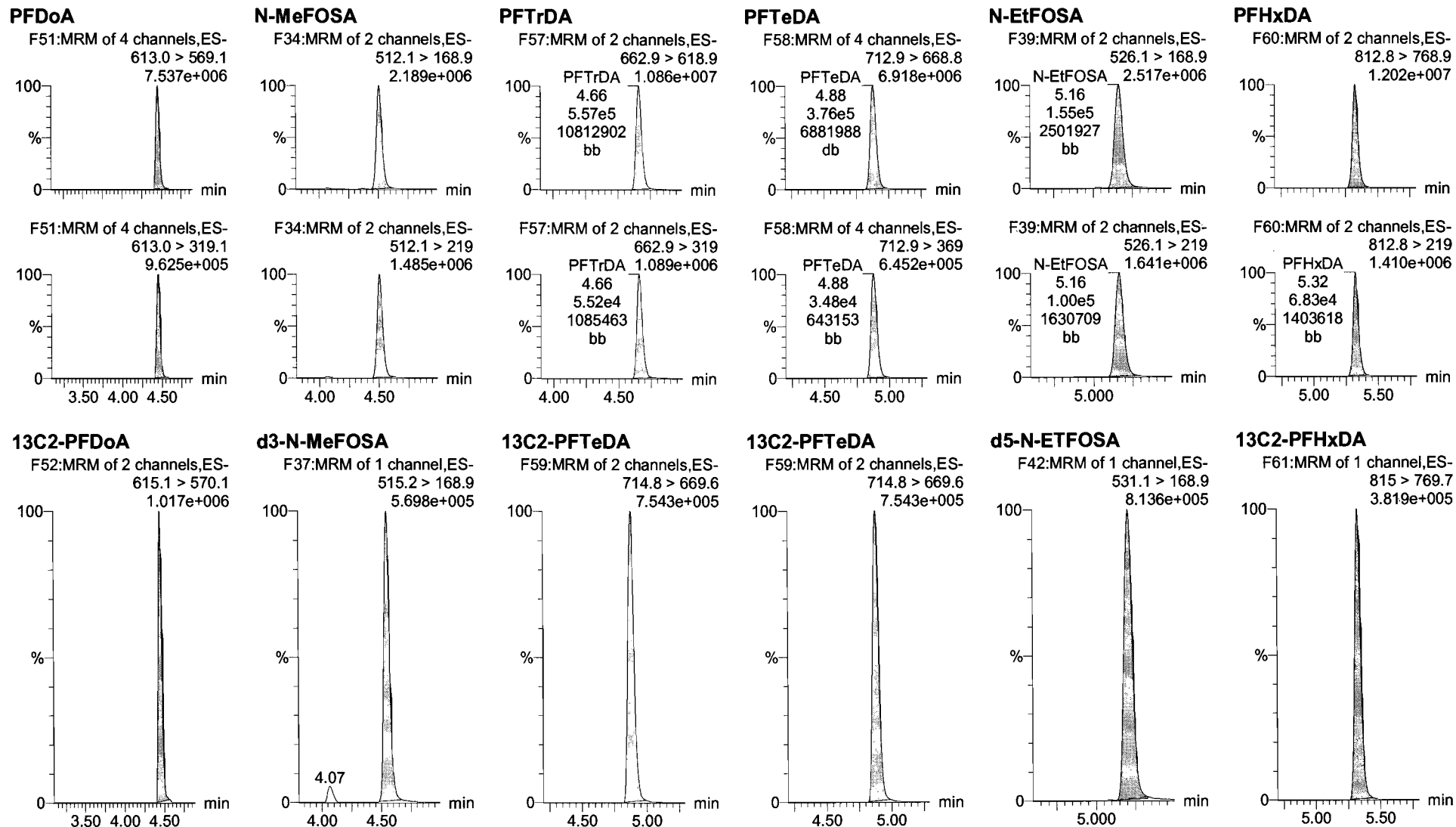


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Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_9, Date: 02-Oct-2017, Time: 11:46:23, ID: ST171002M2-8 PFC CS5 17I2917, Description: PFC CS5 17I2917



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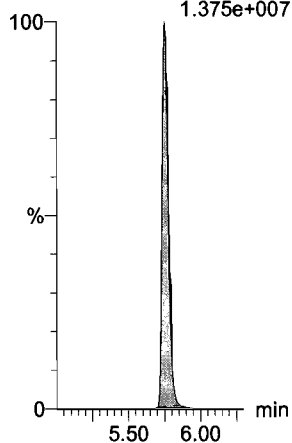
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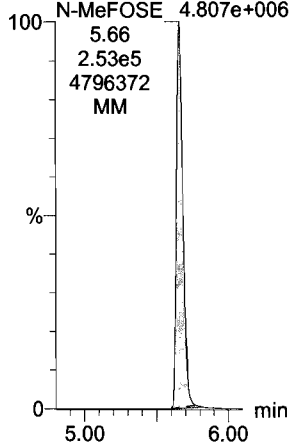
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
1.375e+007



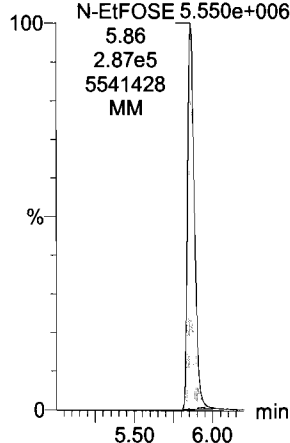
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
4.807e+006



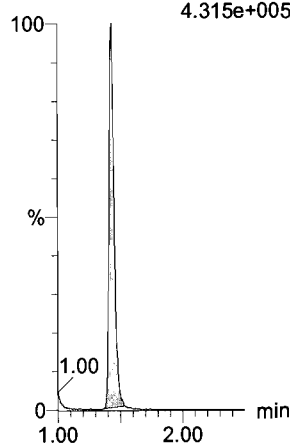
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
5.550e+006



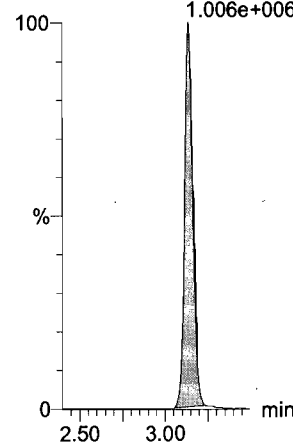
13C4-PFBA

F3:MRM of 1 channel,ES-
217.1 > 172.1
4.315e+005



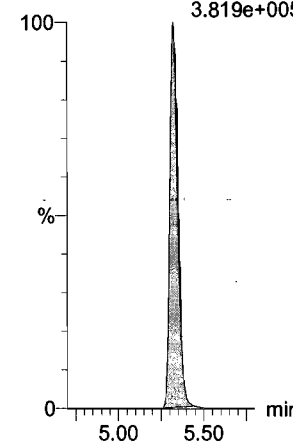
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.006e+006



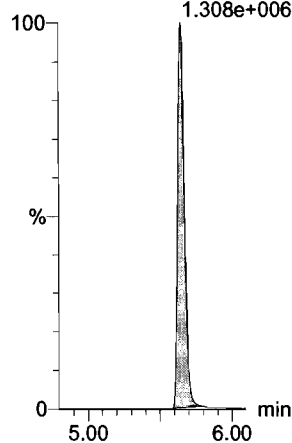
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
3.819e+005



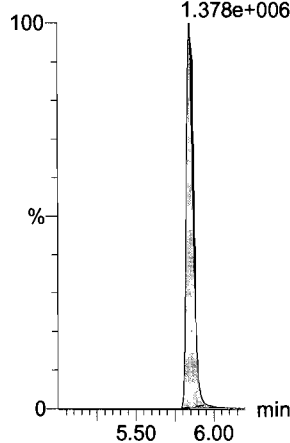
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
1.308e+006



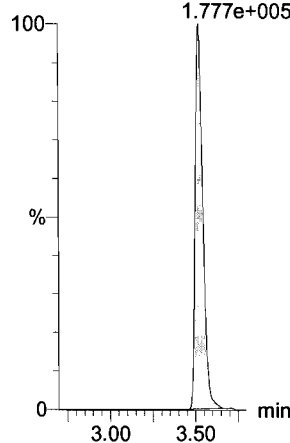
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
1.378e+006



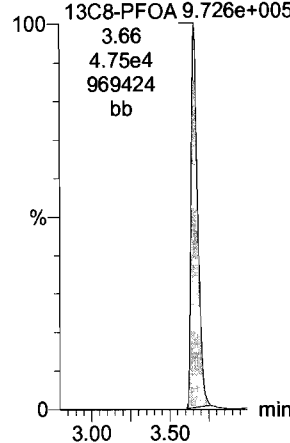
13C3-PFHxS

F17:MRM of 1 channel,ES-
402.1 > 80.0
1.777e+005



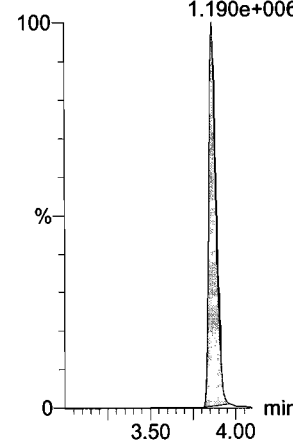
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
9.726e+005



13C9-PFNA

F27:MRM of 1 channel,ES-
472.1 > 427.1
1.190e+006



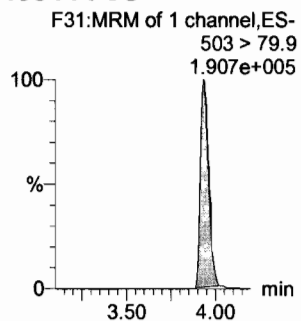
Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

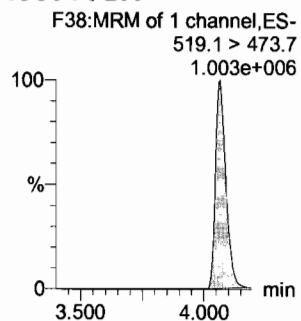
Printed: Monday, October 02, 2017 14:23:28 Pacific Daylight Time

Name: 171002M3_9, Date: 02-Oct-2017, Time: 11:46:23, ID: ST171002M[Ⓐ]₃-8 PFC CS5 1712917, Description: PFC CS5 1712917

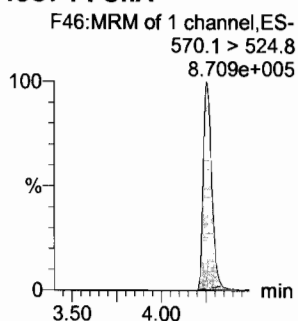
13C4-PFOS



13C6-PFDA



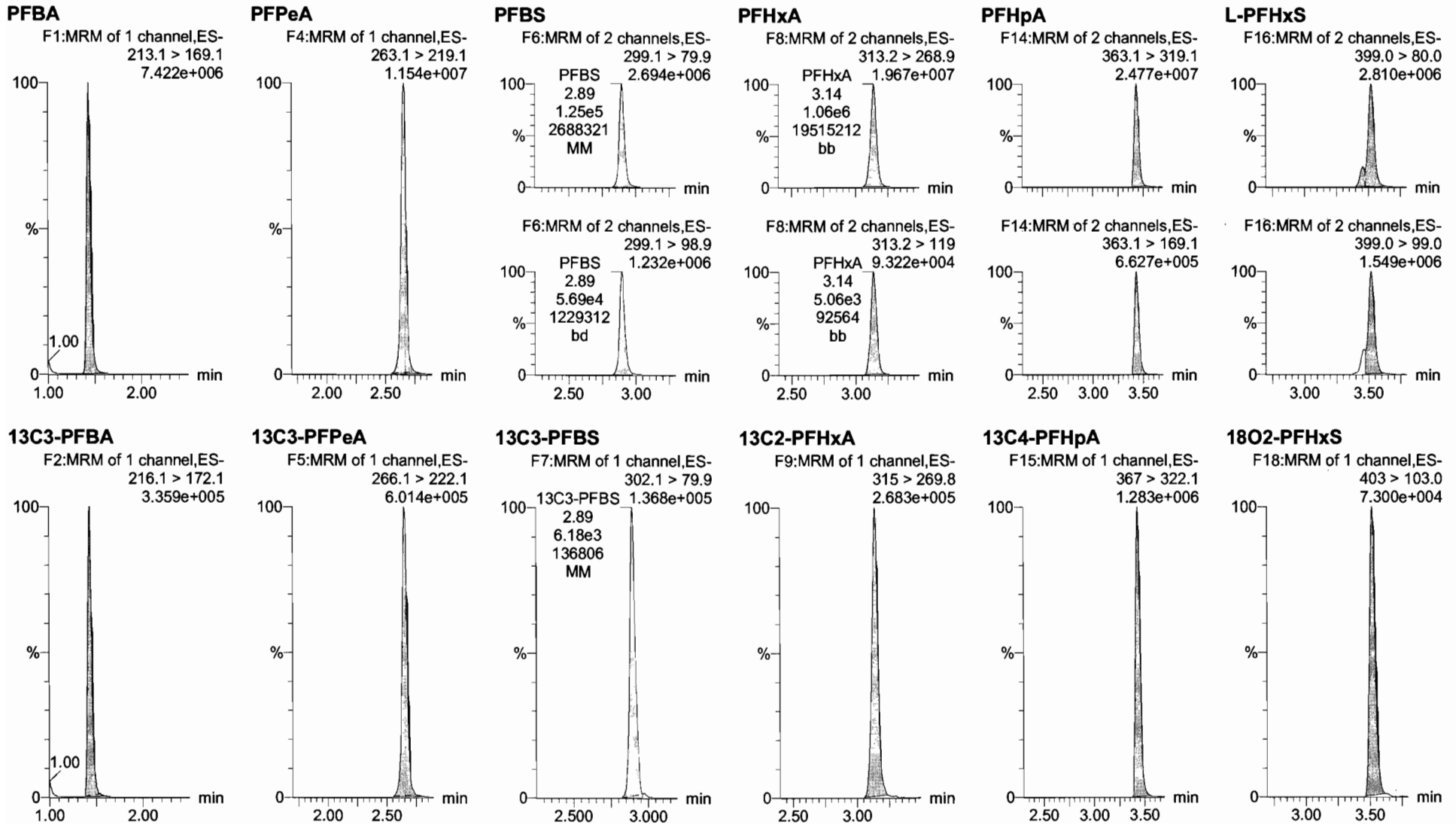
13C7-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M2-9 PFC CS6 17I2918, Description: PFC CS6 17I2918



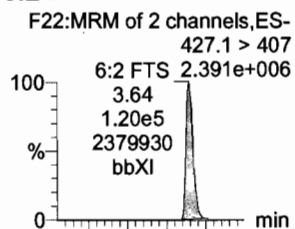
Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

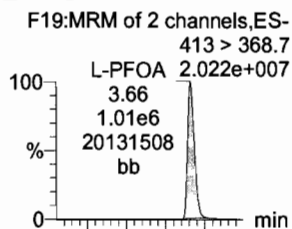
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M2-9 PFC CS6 17I2918, Description: PFC CS6 17I2918

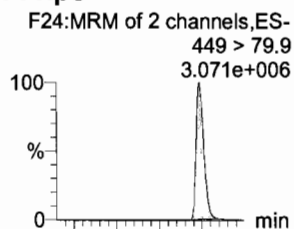
6:2 FTS



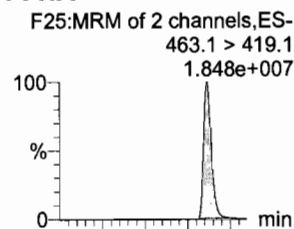
L-PFOA



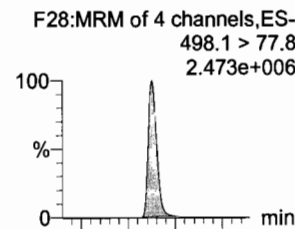
PFHps



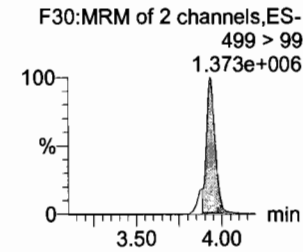
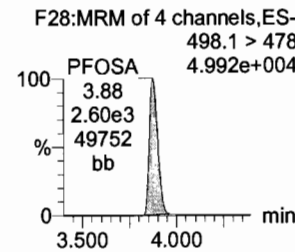
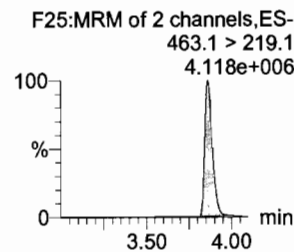
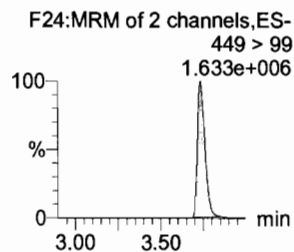
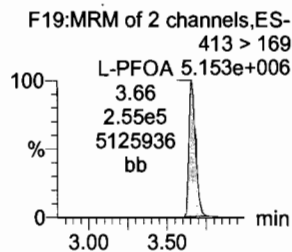
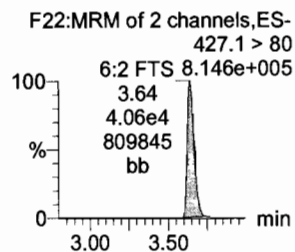
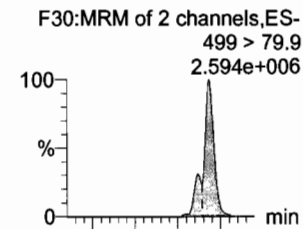
PFNA



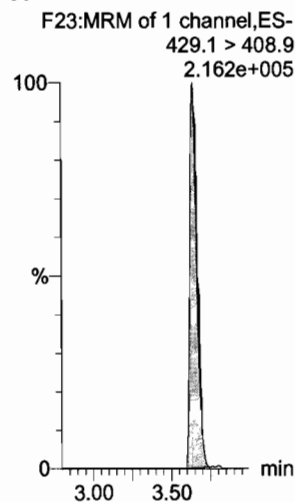
PFOSA



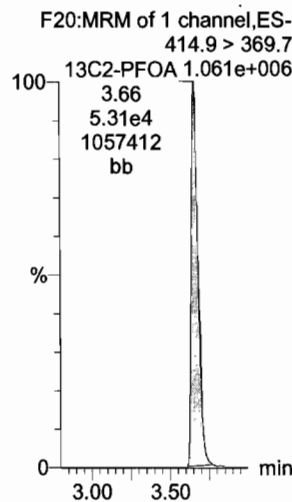
L-PFOS



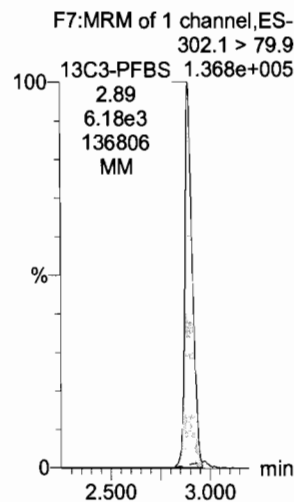
13C2-6:2 FTS



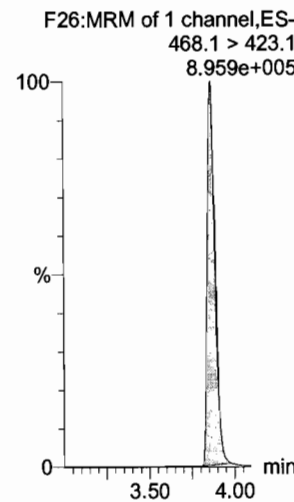
13C2-PFOA



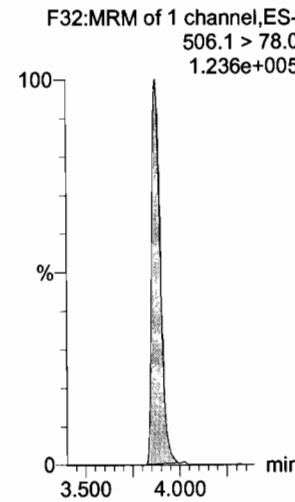
13C3-PFBS



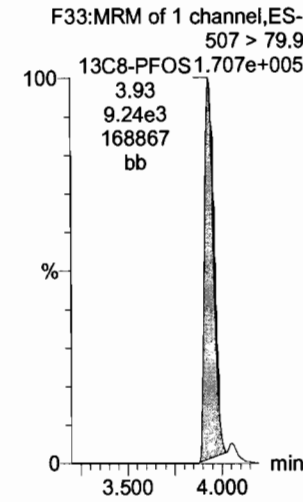
13C5-PFNA



13C8-PFOA



13C8-PFOS



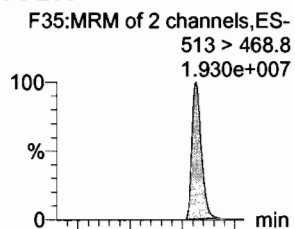
Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time

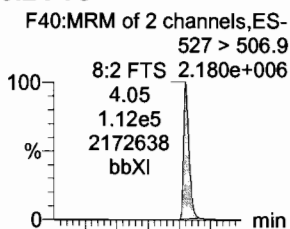
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M2-9 PFC CS6 17I2918, Description: PFC CS6 17I2918

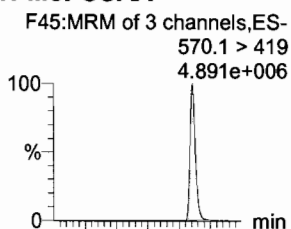
PFDA



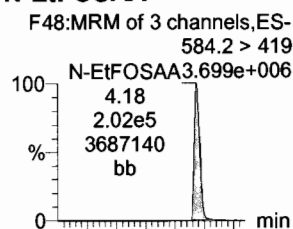
8:2 FTS



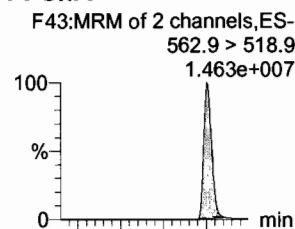
N-MeFOSAA



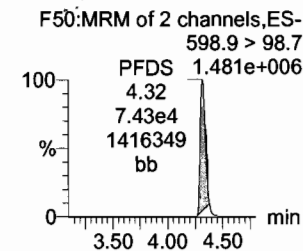
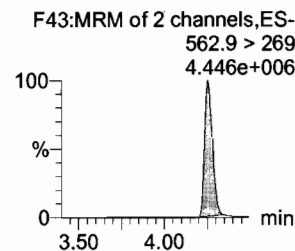
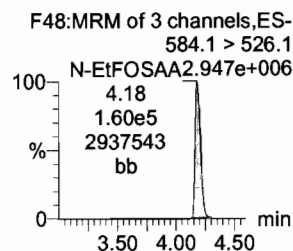
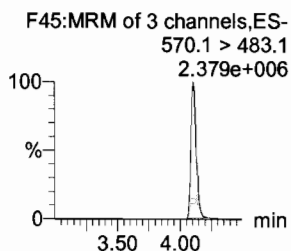
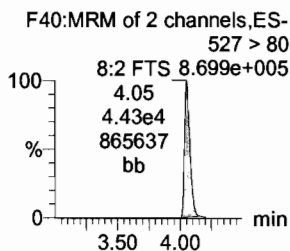
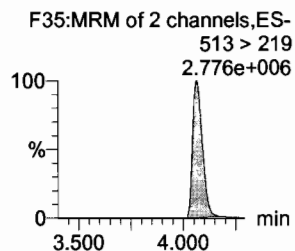
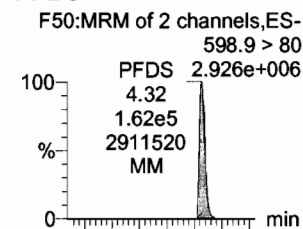
N-EtFOSAA



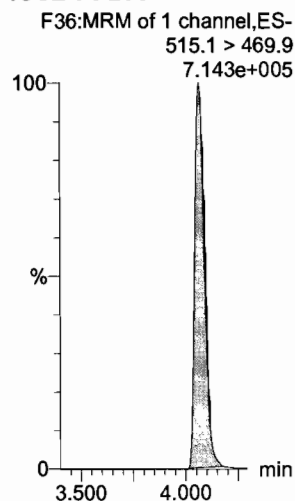
PFUnA



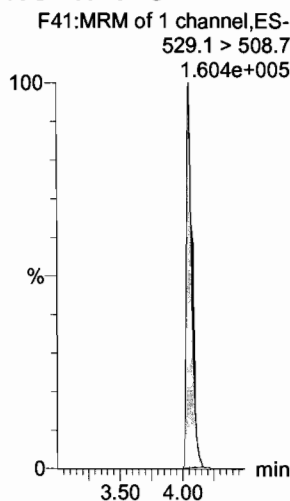
PFDS



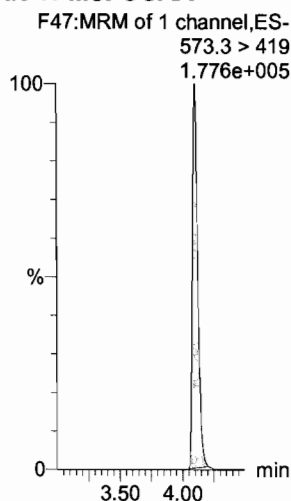
13C2-PFDA



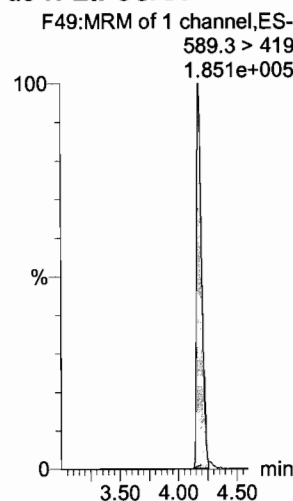
13C2-8:2 FTS



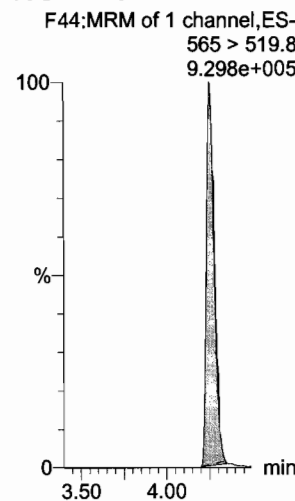
d3-N-MeFOSAA



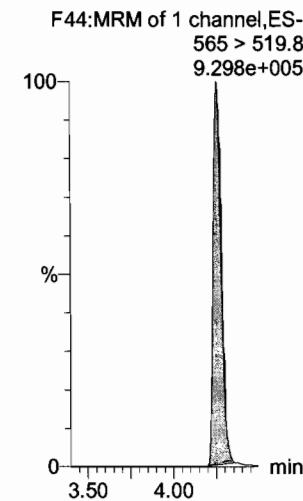
d5-N-EtFOSAA



13C2-PFUnA



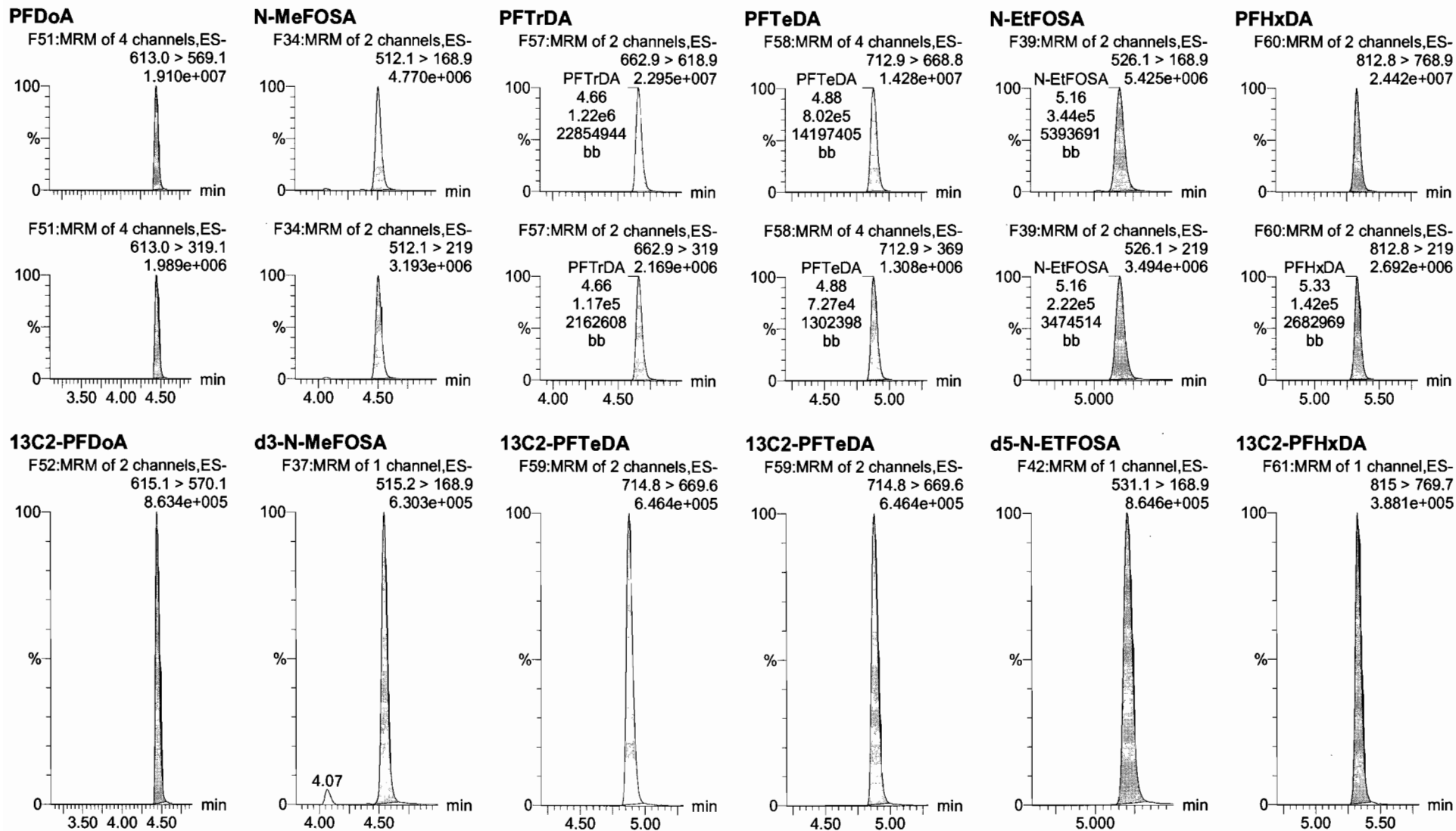
13C2-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
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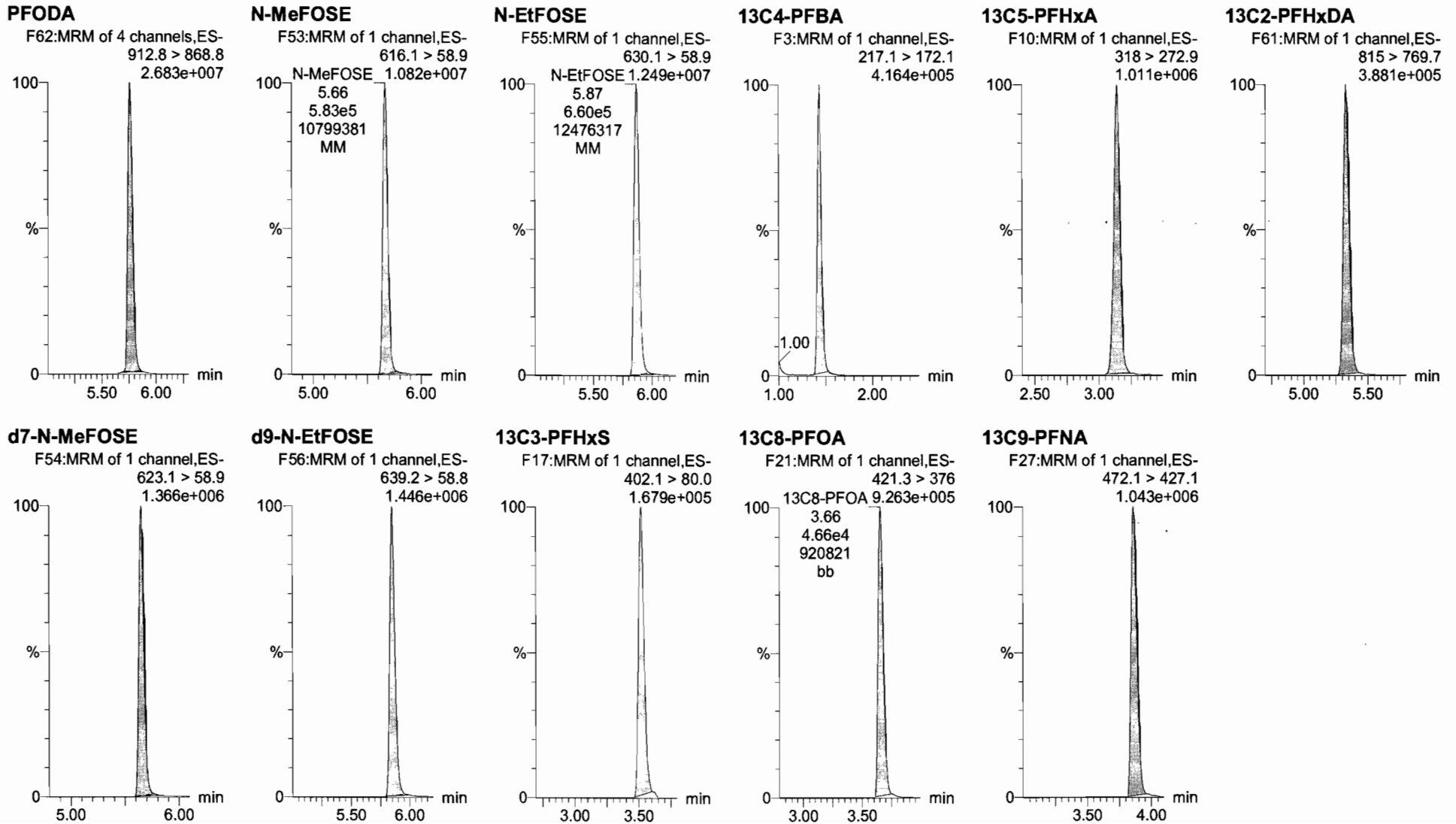
Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M2-9 PFC CS6 1712918, Description: PFC CS6 1712918



Dataset: U:\Q4.PRO\results\171002M2\171002M2-CRV.qld

Last Altered: Monday, October 02, 2017 14:07:38 Pacific Daylight Time
Printed: Monday, October 02, 2017 14:10:45 Pacific Daylight Time

Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M2-9 PFC CS6 17I2918, Description: PFC CS6 17I2918



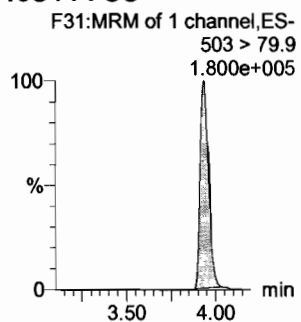
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Last Altered: Monday, October 02, 2017 14:19:34 Pacific Daylight Time

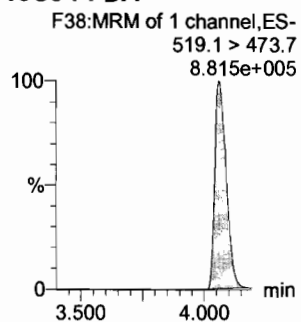
Printed: Monday, October 02, 2017 14:23:28 Pacific Daylight Time

Name: 171002M3_10, Date: 02-Oct-2017, Time: 11:57:11, ID: ST171002M3-9 PFC CS6 17I2918, Description: PFC CS6 17I2918

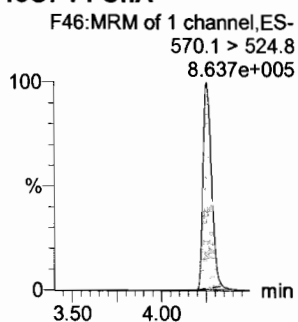
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\171002M2\171002M3-13.qld

Last Altered: Tuesday, October 03, 2017 08:48:55 Pacific Daylight Time

Printed: Tuesday, October 03, 2017 08:49:14 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-02-17.mdb 02 Oct 2017 13:31:56

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-02-17-FULL.cdb 03 Oct 2017 08:43:08

Name: 171002M3_13, Date: 02-Oct-2017, Time: 12:30:04, ID: ICV171002M3-1 PFC ICV 1712920, Description: PFC ICV 1712920

dm 10/3/17
Ⓐ Not present in ICV.

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.1 > 169.1	1.60e4	1.83e4		1.27	1.43	10.9	9.60	96.0
2	2 PFPeA	263.1 > 219.1	2.74e4	3.30e4		2.46	2.66	10.4	10.1	100.8
3	3 PFBS	299.1 > 79.9	5.24e3	6.54e3		2.88	2.89	10.0	9.59	95.9
4	4 PFHxA	313.2 > 268.9	5.07e4	1.48e4		3.04	3.14	17.1	10.9	109.5
5	5 PFHpA	363.1 > 319.1	6.19e4	7.60e4		3.33	3.43	10.2	10.2	102.3
6	6 L-PFHxS	399.0 > 80.0	8.22e3	4.40e3		3.41	3.52	23.3	9.83	98.3
7	8 6:2 FTS	427.1 > 407	6.10e3	6.16e3		3.54	3.65	12.4	9.89	98.9
8	9 L-PFOA	413 > 368.7	4.86e4	5.46e4		3.54	3.66	11.1	10.9	108.5
9	11 PFHpS	449 > 79.9	8.03e3	5.46e4		3.60	3.74	1.84	9.49	94.9
10	12 PFNA	463.1 > 419.1	4.40e4	4.94e4		3.72	3.87	11.1	10.1	101.1
11	13 PFOSA	498.1 > 77.8	5.84e3	7.34e3		3.87	3.88	9.95	8.79	87.9
12	14 L-PFOS	499 > 79.9	9.18e3	1.14e4		3.77	3.94	10.1	8.05	80.5
13	16 PFDA	513 > 468.8	4.96e4	4.26e4		3.89	4.07	14.6	10.3	103.3
14	17 8:2 FTS	527 > 506.9	5.86e3	4.42e3		4.05	4.06	16.6	10.4	103.7
15	18 N-MeFOSAA	570.1 > 419	1.26e4	9.80e3		3.92	4.11	208	10.5	104.8
16	19 N-EtFOSAA	584.2 > 419	1.07e4	1.09e4		3.99	4.18	160	10.3	103.0
17	20 PFUnA	562.9 > 518.9	3.93e4	5.32e4		4.04	4.26	9.23	9.12	91.2
18	21 PFDS	598.9 > 80	8.85e3	5.32e4		4.08	4.32	2.08	8.77	87.7
19	22 PFDoA	613.0 > 569.1	4.82e4	4.85e4		4.45	4.45	12.4	11.2	112.2
20	23 N-MeFOSA	512.1 > 168.9		2.97e4		4.50				
21	24 PFTrDA	662.9 > 618.9	6.11e4	4.85e4		4.66	4.66	15.7	11.5	114.7
22	25 PFTeDA	712.9 > 668.8	3.83e4	3.82e4		4.88	4.88	12.5	9.77	97.7
23	26 N-EtFOSA	526.1 > 168.9		4.68e4		5.18				
24	27 PFHxDA	812.8 > 768.9		1.96e4		5.32				
25	28 PFODA	912.8 > 868.8		1.96e4		5.75				
26	29 N-MeFOSE	616.1 > 58.9		6.40e4		5.43				
27	30 N-EtFOSE	630.1 > 58.9		6.59e4		5.60				
28	31 13C3-PFBA	216.1 > 172.1	1.83e4	2.00e4	0.878	1.27	1.43	11.5	13.1	104.7
29	32 13C3-PFPeA	266.1 > 222.1	3.30e4	5.29e4	0.231	2.46	2.65	3.12	13.5	108.1
30	33 13C3-PFBS	302.1 > 79.9	6.54e3	5.29e4	0.051	2.88	2.90	0.618	12.2	97.6
31	Work Order 13C27 PFBS	315 > 269.8	1.48e4	5.29e4	0.275	3.04	3.14	1.40	5.11	102.2

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Dataset: U:\Q4.PRO\results\171002M2\171002M3-13.qld

Last Altered: Tuesday, October 03, 2017 08:48:55 Pacific Daylight Time

Printed: Tuesday, October 03, 2017 08:49:14 Pacific Daylight Time

Name: 171002M3_13, Date: 02-Oct-2017, Time: 12:30:04, ID: ICV171002M3-1 PFC ICV 1712920, Description: PFC ICV 1712920

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367 > 322.1	7.60e4	5.29e4	0.558	3.33	3.43	7.19	12.9	103.0
33	36 18O2-PFHxS	403 > 103.0	4.40e3	9.64e3	0.490	3.41	3.52	5.71	11.6	93.2
34	37 13C2-6:2 FTS	429.1 > 408.9	6.16e3	4.50e4	0.146	3.54	3.65	1.71	11.7	93.7
35	38 13C2-PFOA	414.9 > 369.7	5.46e4	4.50e4	1.152	3.54	3.66	15.2	13.2	105.3
36	39 13C5-PFNA	468.1 > 423.1	4.94e4	5.96e4	0.857	3.72	3.87	10.3	12.1	96.6
37	40 13C8-PFOSA	506.1 > 78.0	7.34e3	5.20e4	0.136	3.87	3.88	1.76	12.9	103.5
38	41 13C8-PFOS	507 > 79.9	1.14e4	1.00e4	0.990	3.77	3.93	14.2	14.4	115.0
39	42 13C2-PFDA	515.1 > 469.9	4.26e4	4.57e4	0.882	3.89	4.06	11.7	13.2	105.7
40	43 13C2-8:2 FTS	529.1 > 508.7	4.42e3	4.57e4	0.105	4.05	4.06	1.21	11.6	92.5
41	44 d3-N-MeFOSAA	573.3 > 419	9.80e3	5.20e4	0.015	3.92	4.10	2.36	162	99.5
42	45 d5-N-EtFOSAA	589.3 > 419	1.09e4	5.20e4	0.015	3.99	4.18	2.62	171	105.5
43	46 13C2-PFUnA	565 > 519.8	5.32e4	5.20e4	0.943	4.04	4.26	12.8	13.6	108.5
44	47 13C2-PFDoA	615.1 > 570.1	4.85e4	5.20e4	0.951	4.45	4.45	11.7	12.3	98.1
45	48 d3-N-MeFOSA	515.2 > 168.9	2.97e4	5.20e4	0.051	4.50	4.55	7.15	139	92.6
46	49 13C2-PFTeDA	714.8 > 669.6	3.82e4	5.20e4	0.728	4.88	4.88	9.19	12.6	101.0
47	50 d5-N-ETFOSA	531.1 > 168.9	4.68e4	5.20e4	0.080	5.18	5.21	11.3	141	93.7
48	51 13C2-PFHxDA	815 > 769.7	1.96e4	5.20e4	0.918	5.32	5.32	4.71	5.13	102.6
49	52 d7-N-MeFOSE	623.1 > 58.9	6.40e4	5.20e4	0.111	5.43	5.65	15.4	139	92.8
50	53 d9-N-EtFOSE	639.2 > 58.8	6.59e4	5.20e4	0.113	5.60	5.85	15.8	140	93.3
51	54 13C4-PFBA	217.1 > 172.1	2.00e4	2.00e4	1.000	1.27	1.42	12.5	12.5	100.0
52	55 13C5-PFHxA	318 > 272.9	5.29e4	5.29e4	1.000	3.04	3.14	5.00	5.00	100.0
53	56 13C3-PFHxS	402.1 > 80.0	9.64e3	9.64e3	1.000	3.41	3.52	12.5	12.5	100.0
54	57 13C8-PFOA	421.3 > 376	4.50e4	4.50e4	1.000	3.54	3.67	12.5	12.5	100.0
55	58 13C9-PFNA	472.1 > 427.1	5.96e4	5.96e4	1.000	3.72	3.87	12.5	12.5	100.0
56	59 13C4-PFOS	503 > 79.9	1.00e4	1.00e4	1.000	3.77	3.94	12.5	12.5	100.0
57	60 13C6-PFDA	519.1 > 473.7	4.57e4	4.57e4	1.000	3.89	4.07	12.5	12.5	100.0
58	61 13C7-PFUnA	570.1 > 524.8	5.20e4	5.20e4	1.000	4.04	4.26	12.5	12.5	100.0

SD-150
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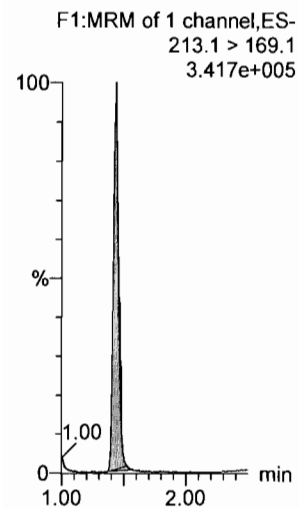
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Printed: Tuesday, October 03, 2017 08:49:14 Pacific Daylight Time

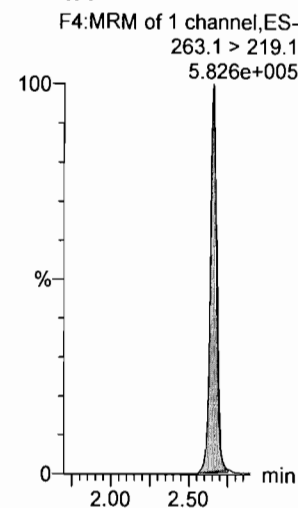
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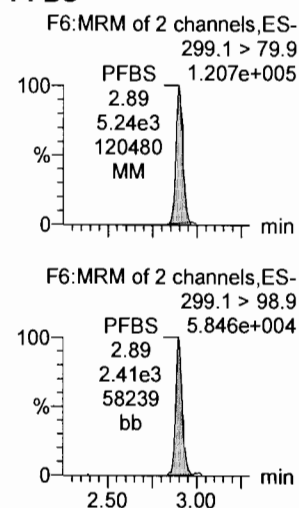
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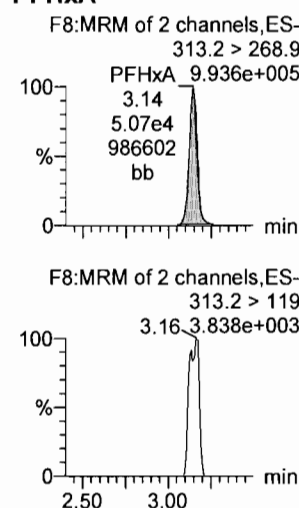
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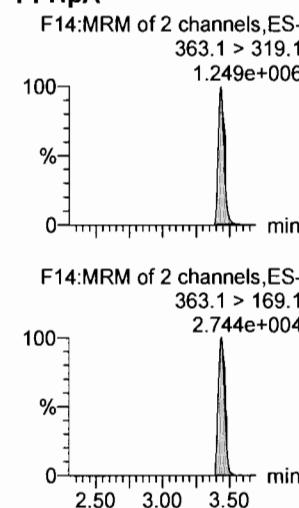
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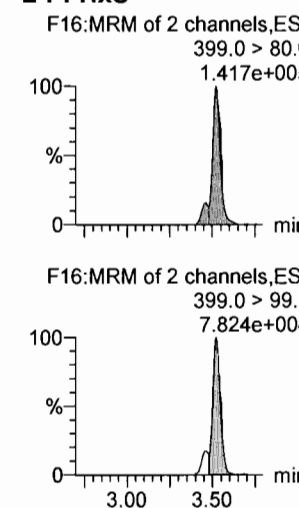
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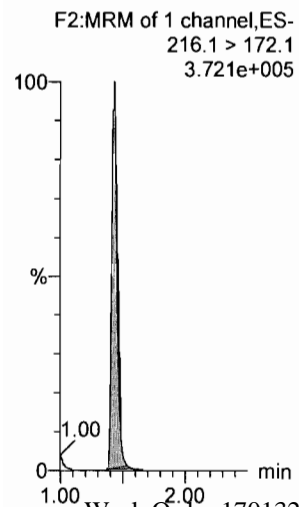
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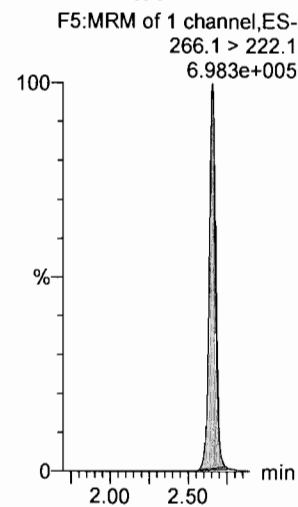
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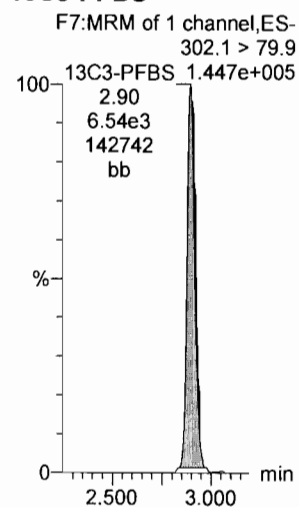
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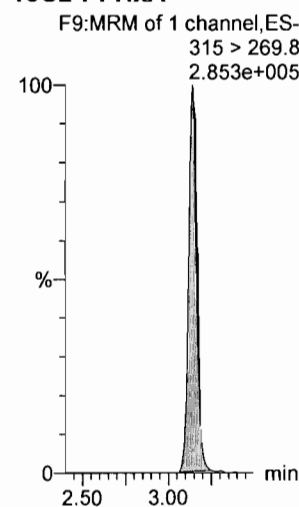
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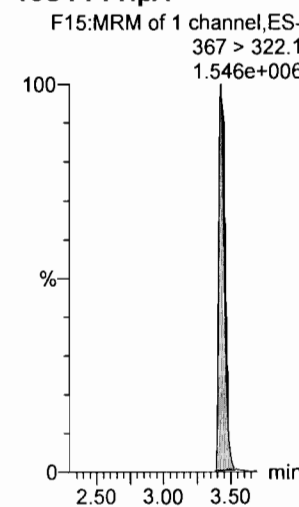
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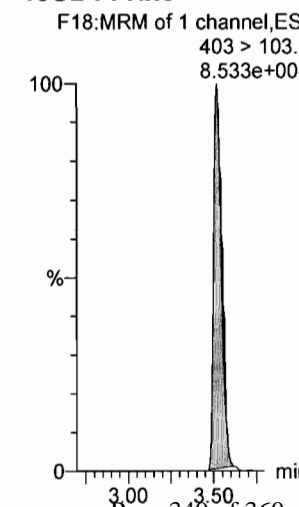
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

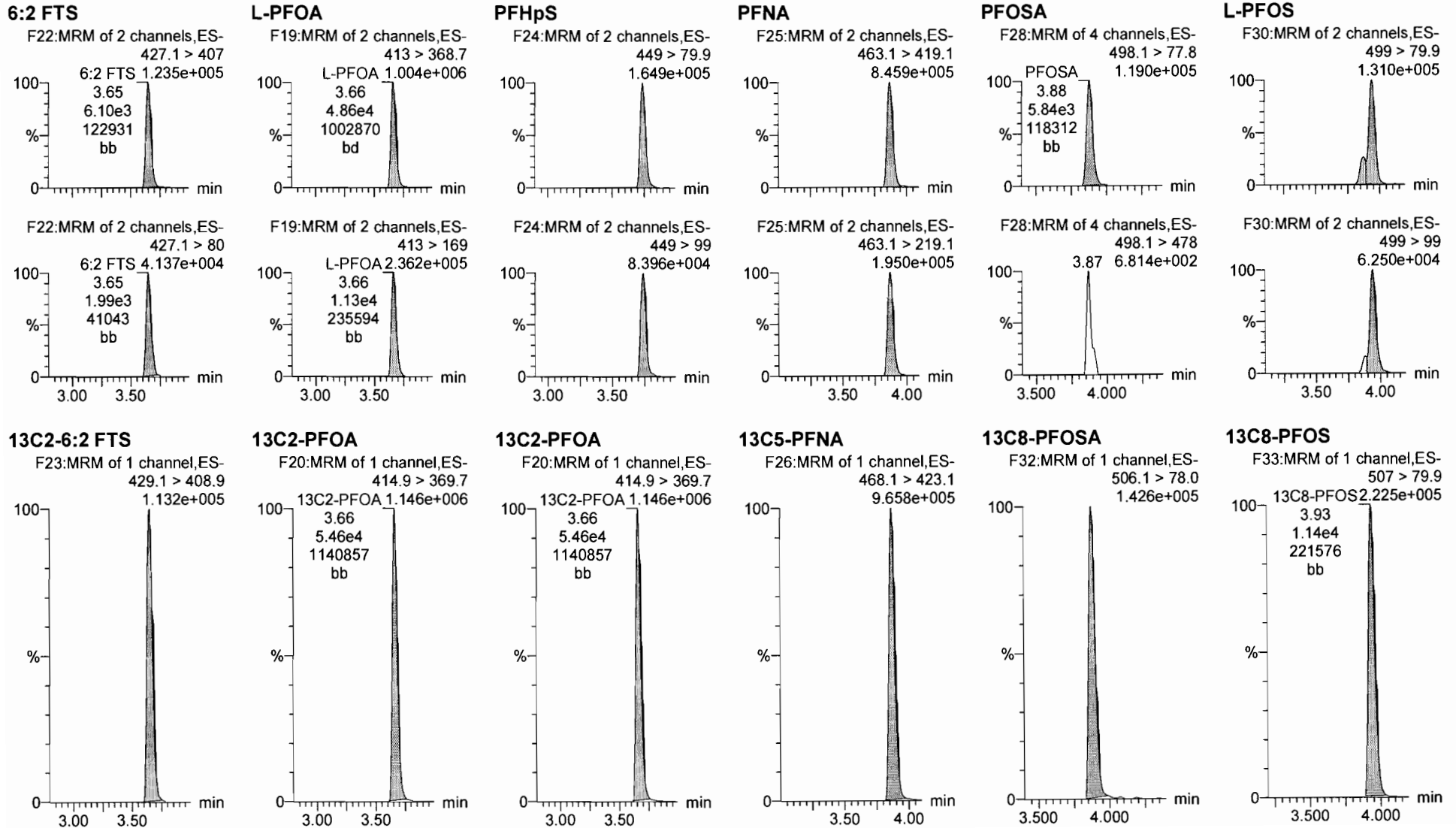


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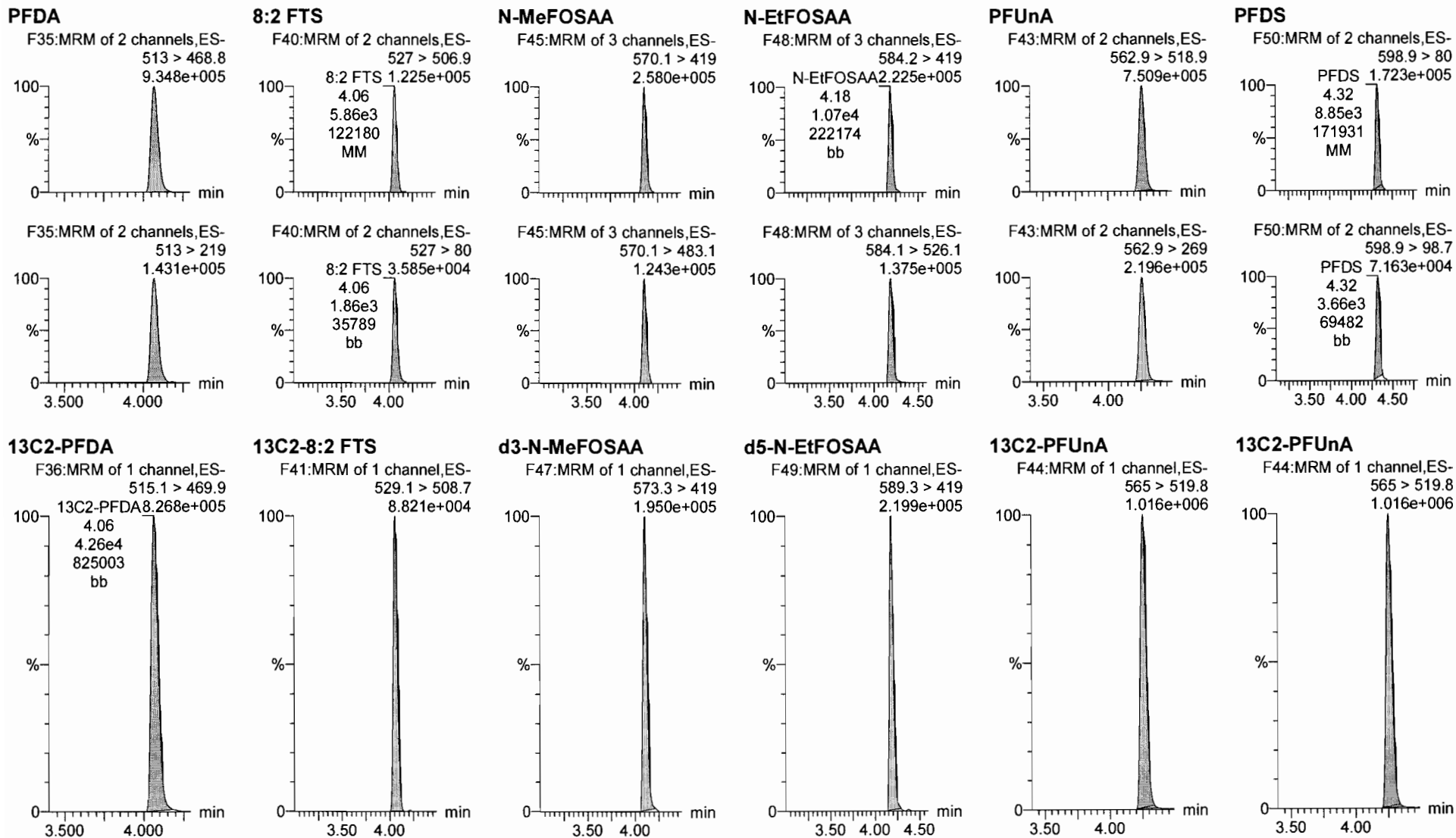
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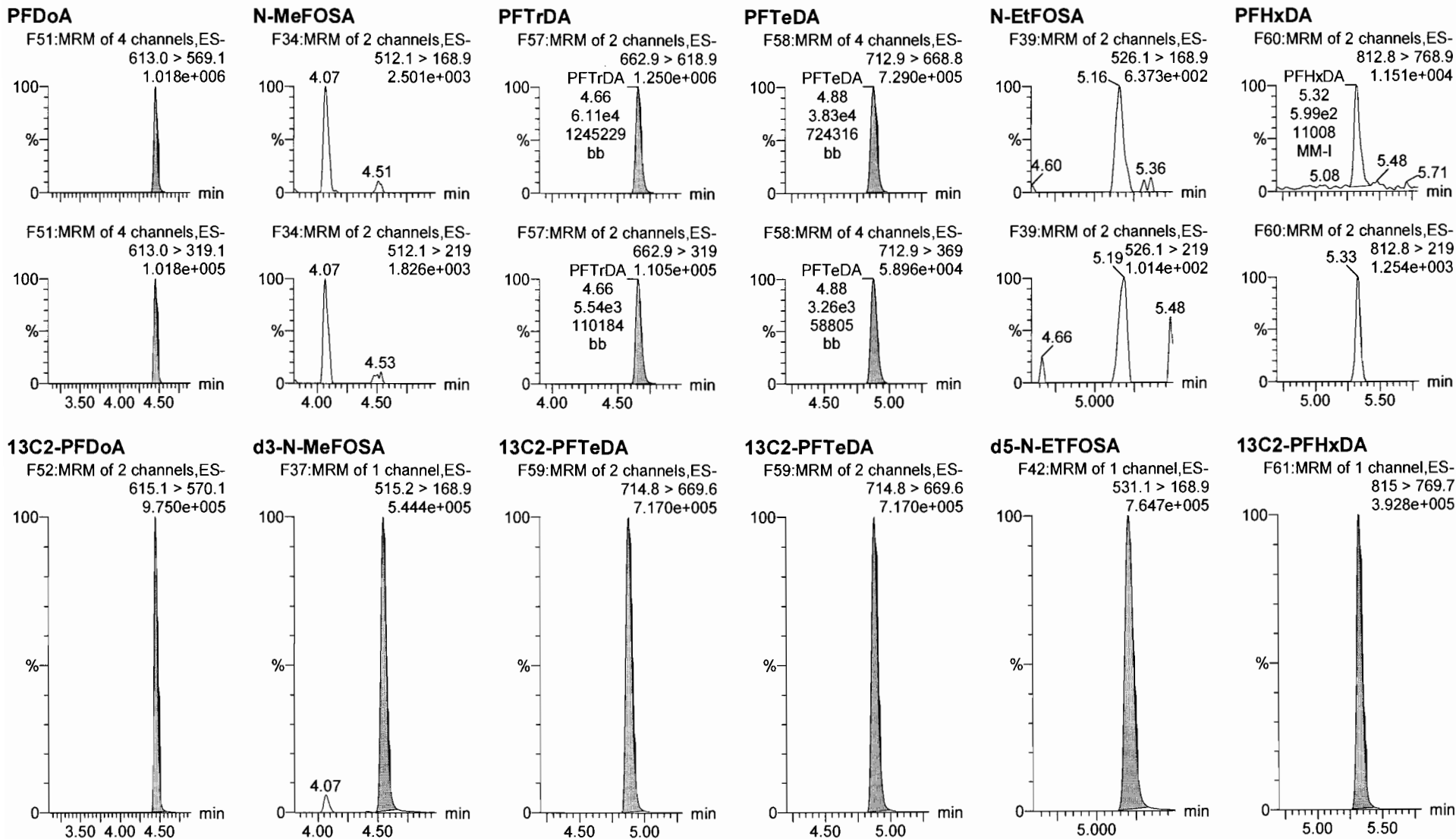
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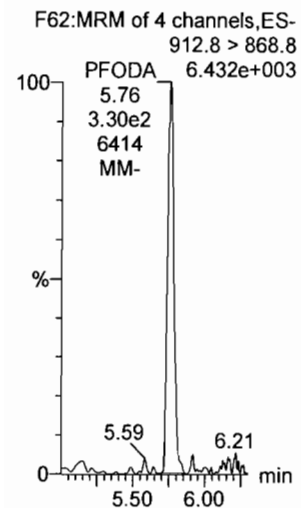
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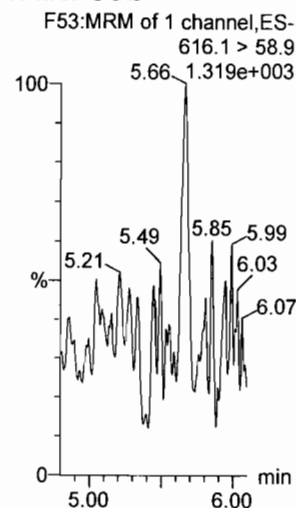
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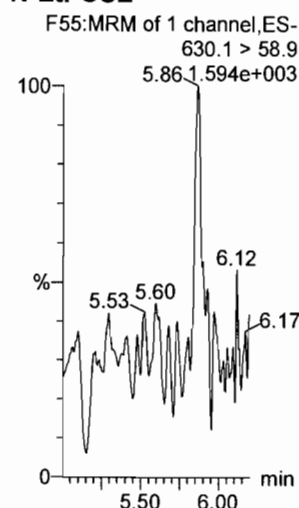
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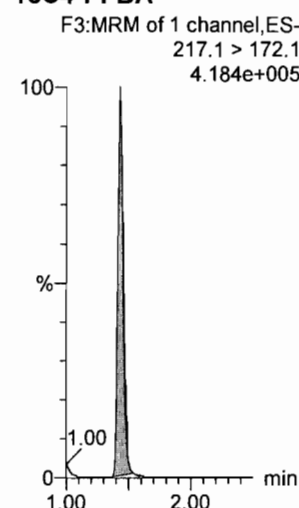
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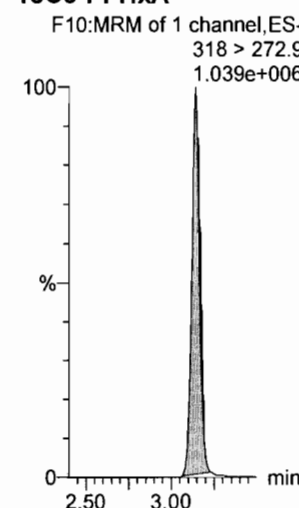
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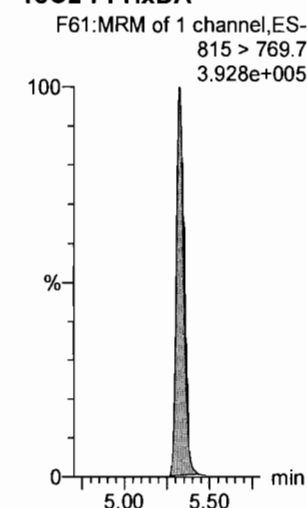
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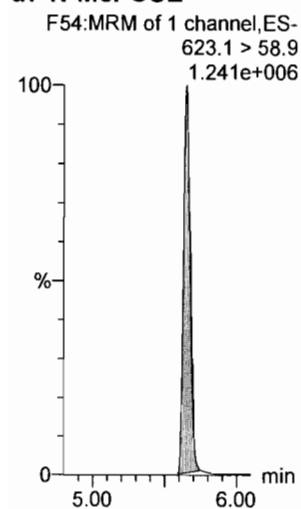
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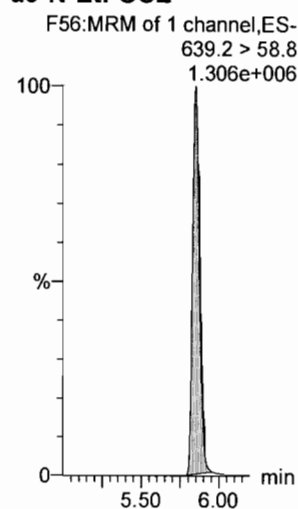
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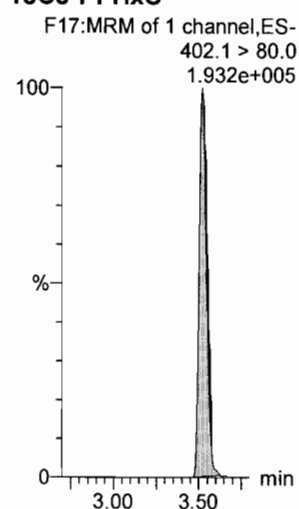
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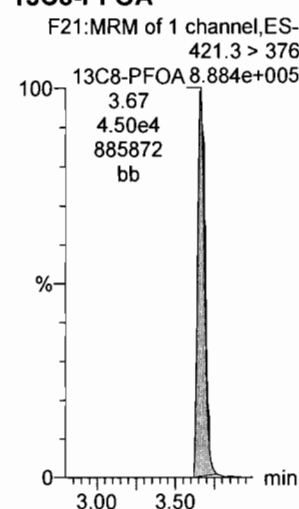
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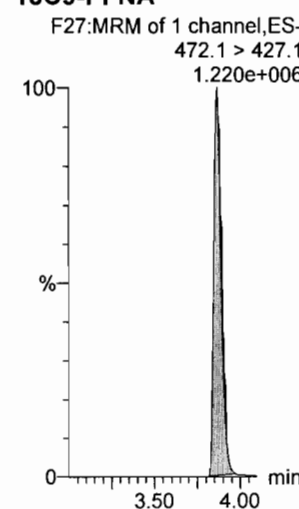
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13C8-PFOA



13C9-PFNA



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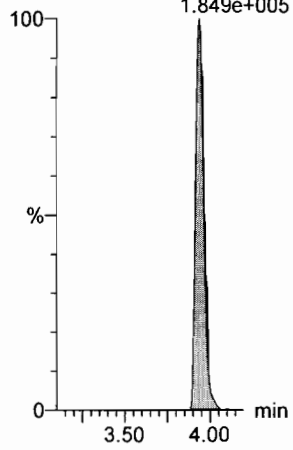
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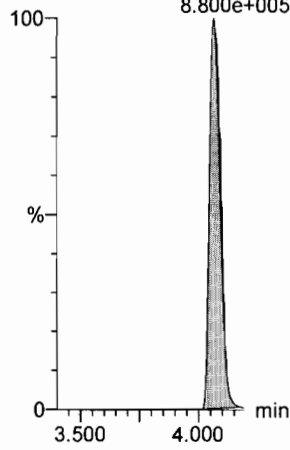
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
1.849e+005



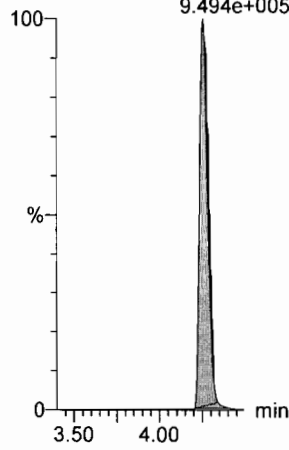
13C6-PFDA

F38:MRM of 1 channel,ES-
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8.800e+005



13C7-PFUnA

F46:MRM of 1 channel,ES-
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Last Altered: Monday, October 02, 2017 14:48:45 Pacific Daylight Time

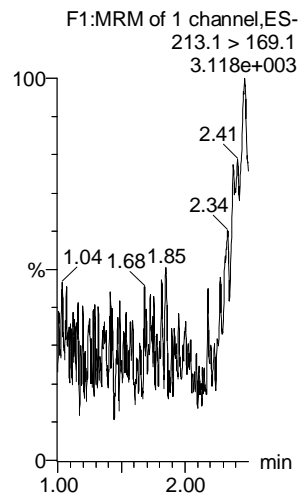
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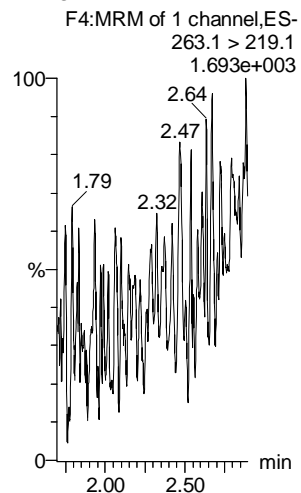
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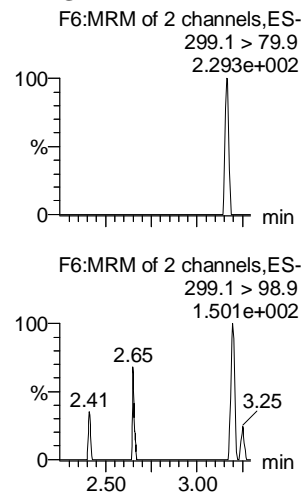
PFBA



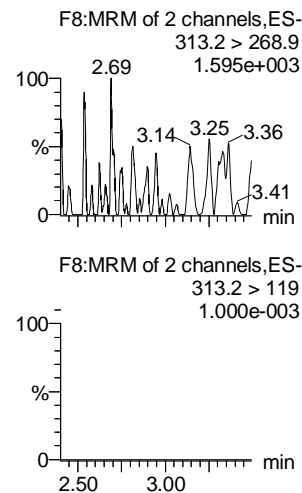
PFPeA



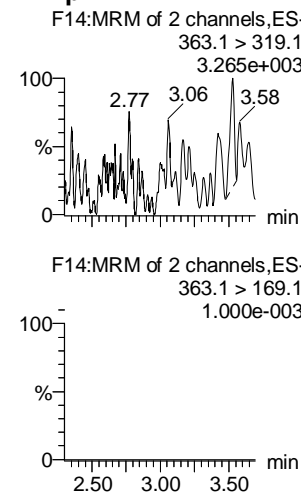
PFBS



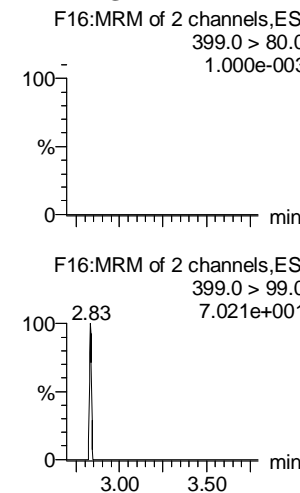
PFHxA



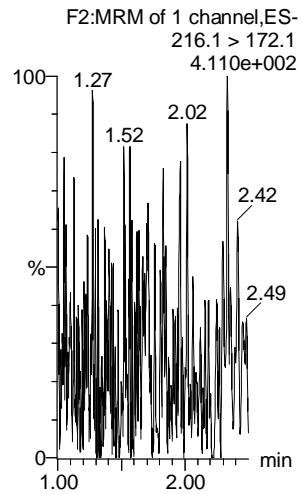
PFHpA



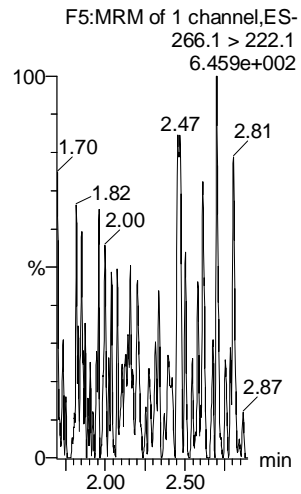
L-PFHxS



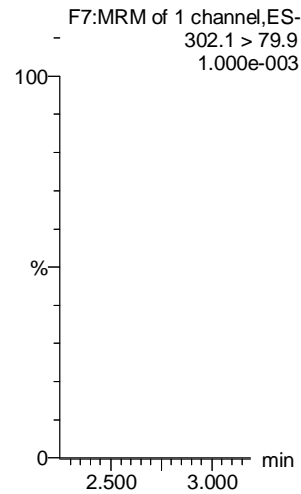
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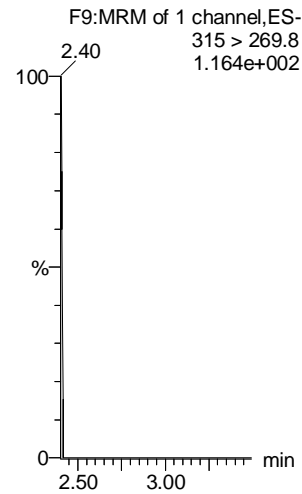
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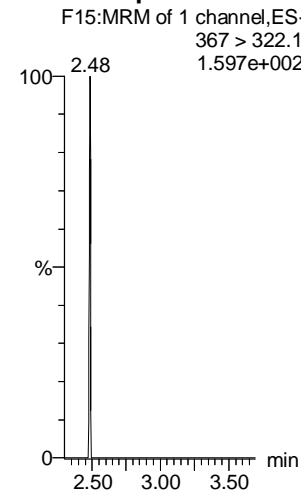
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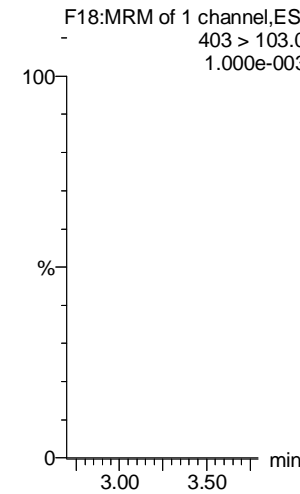
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: Untitled

Last Altered: Monday, October 02, 2017 14:48:45 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:48:56 Pacific Daylight Time

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6:2 FTS

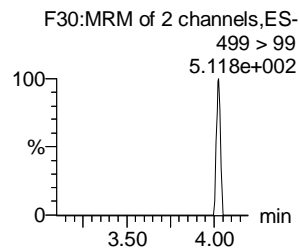
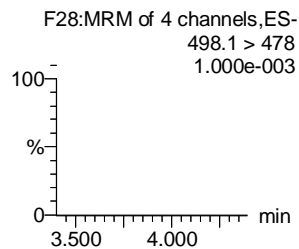
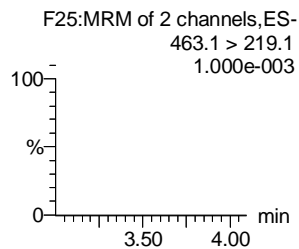
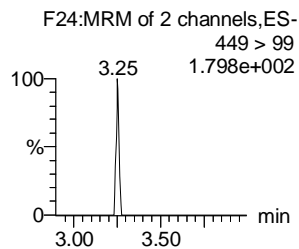
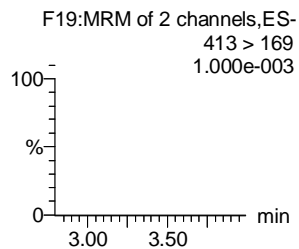
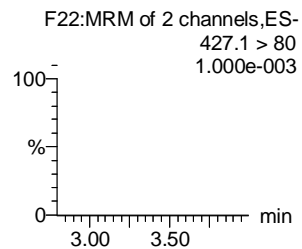
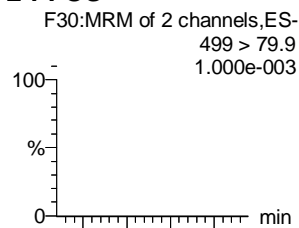
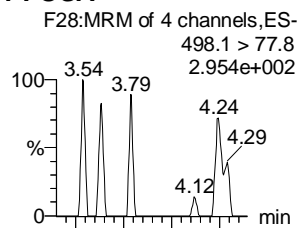
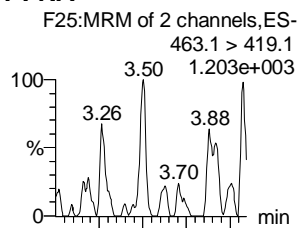
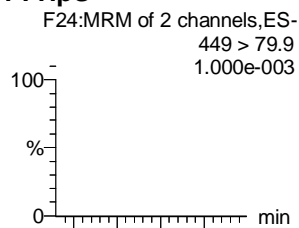
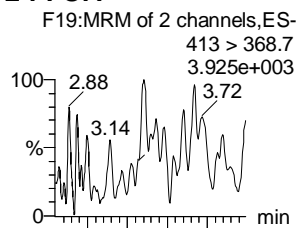
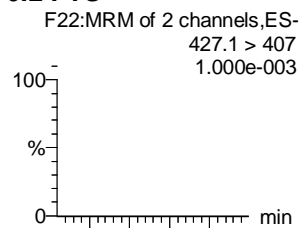
L-PFOA

PFHpS

PFNA

PFOSA

L-PFOS



13C2-6:2 FTS

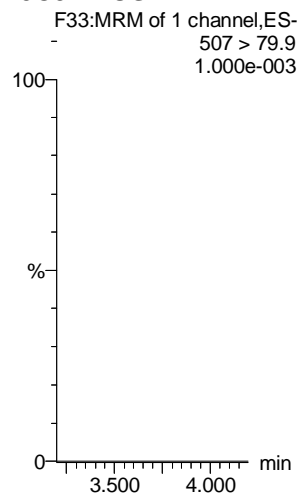
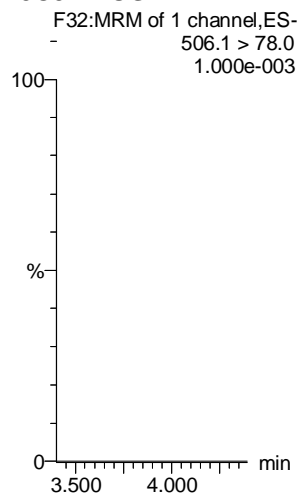
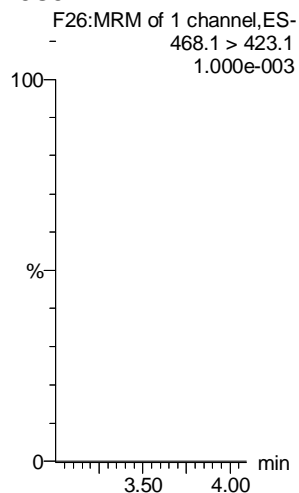
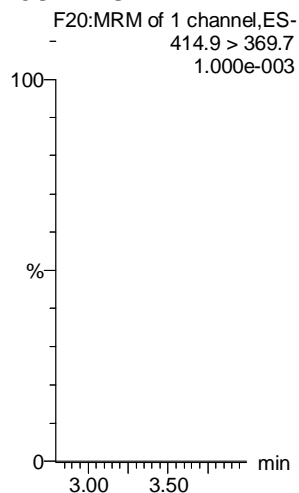
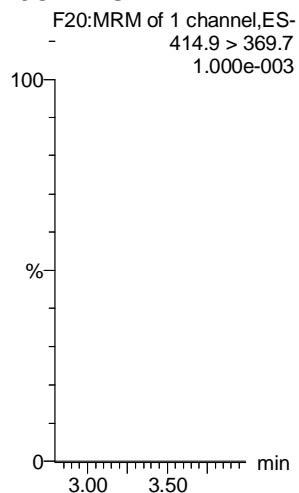
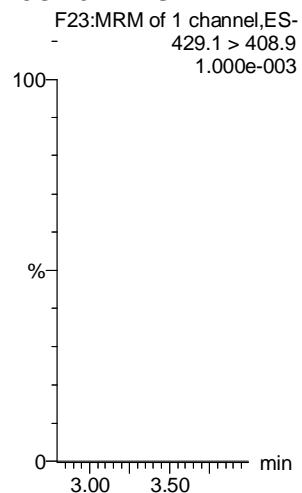
13C2-PFOA

13C2-PFOA

13C5-PFNA

13C8-PFOSA

13C8-PFOS



Dataset: Untitled

Last Altered: Monday, October 02, 2017 14:48:45 Pacific Daylight Time

Printed: Monday, October 02, 2017 14:48:56 Pacific Daylight Time

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PFDA

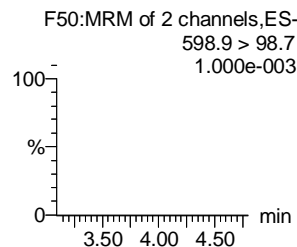
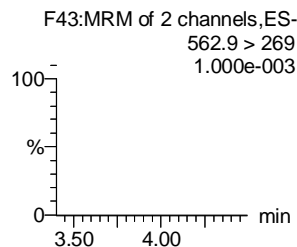
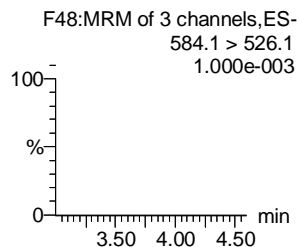
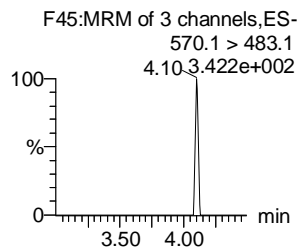
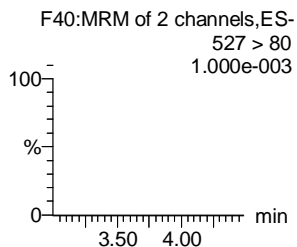
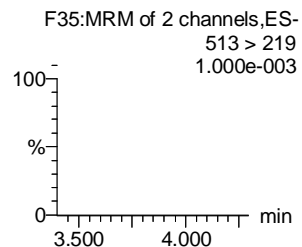
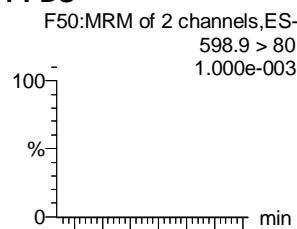
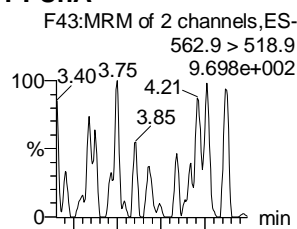
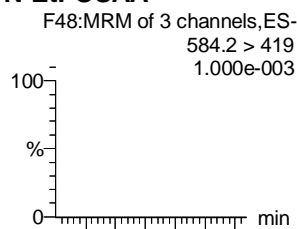
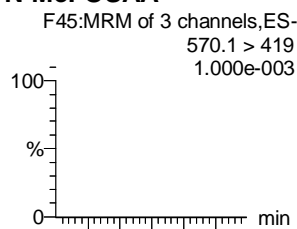
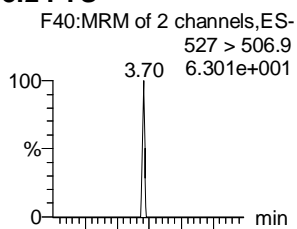
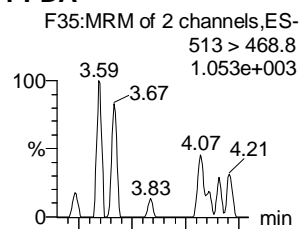
8:2 FTS

N-MeFOSAA

N-EtFOSAA

PFUnA

PFDS



13C2-PFDA

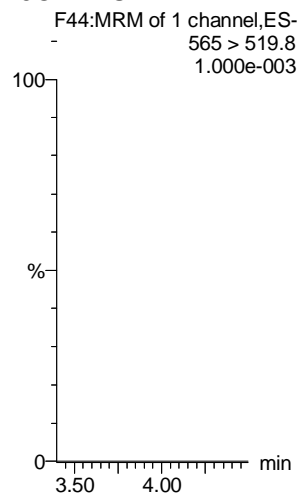
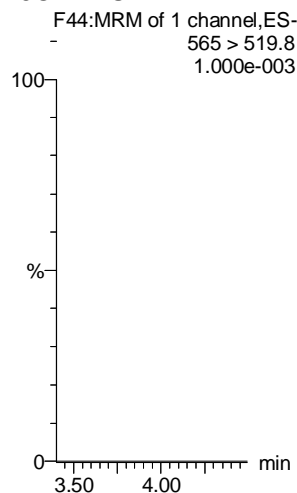
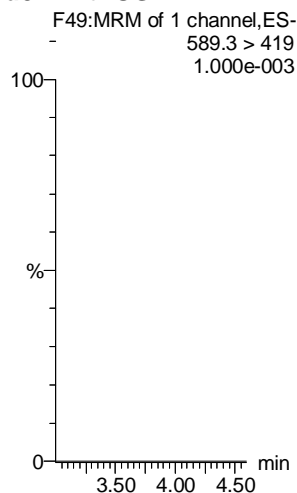
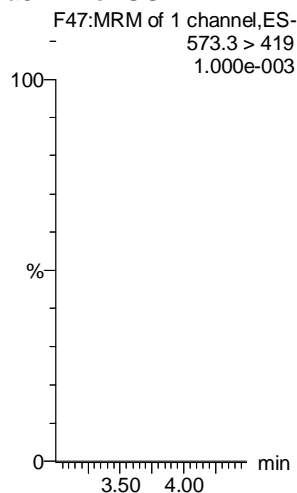
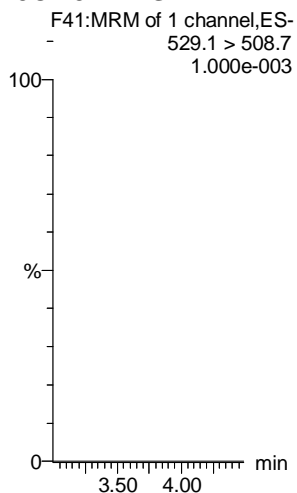
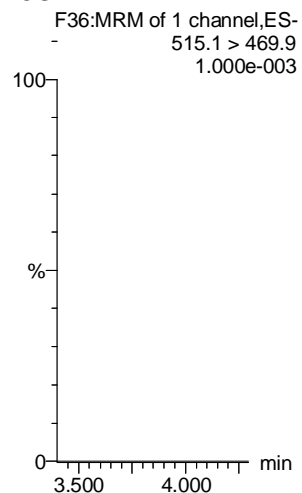
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d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUnA

13C2-PFUnA



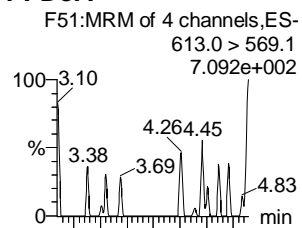
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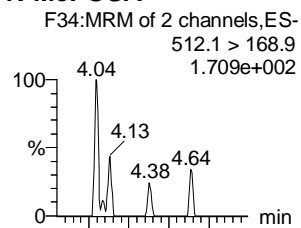
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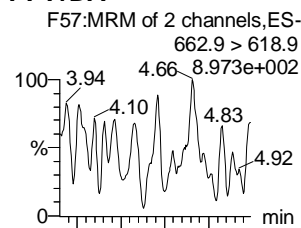
PFDaA



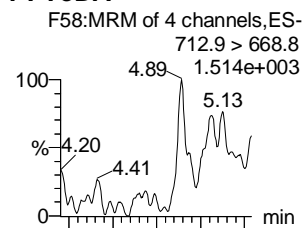
N-MeFOSA



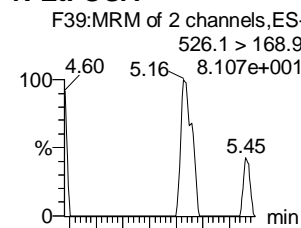
PFTrDA



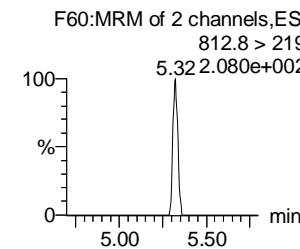
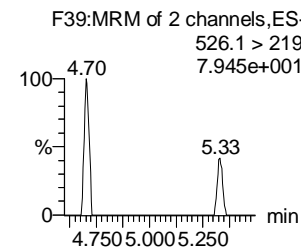
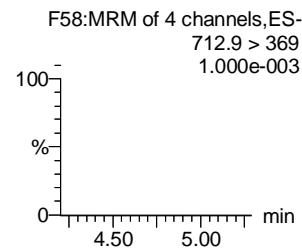
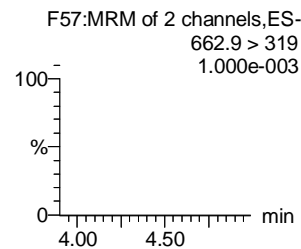
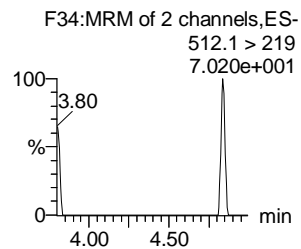
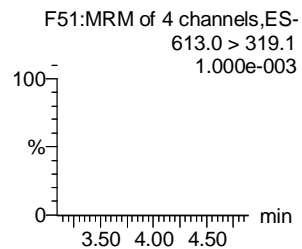
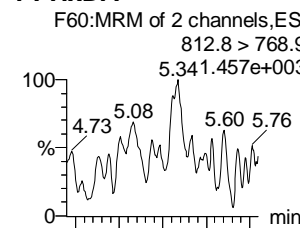
PFTeDA



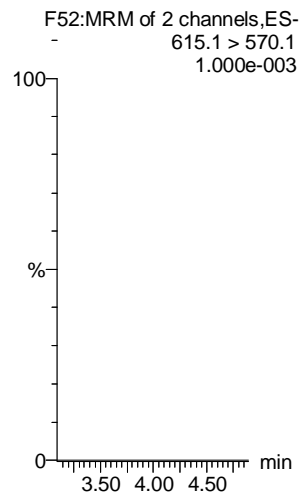
N-EtFOSA



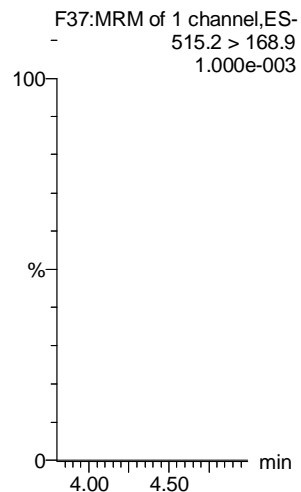
PFHxDA



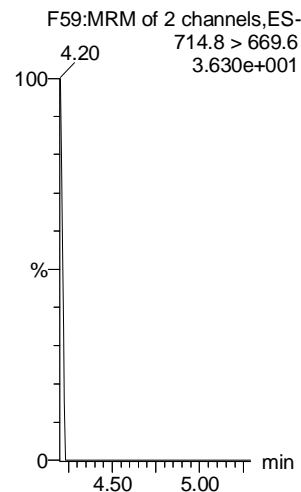
13C2-PFDaA



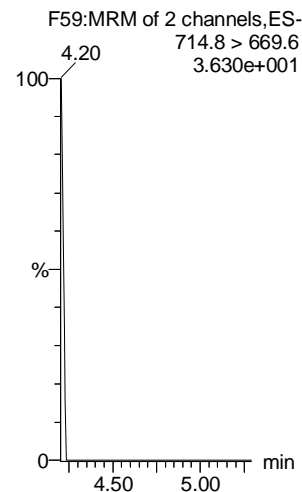
d3-N-MeFOSA



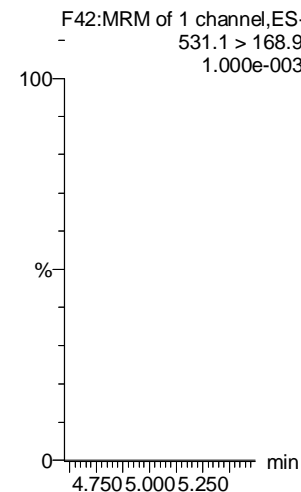
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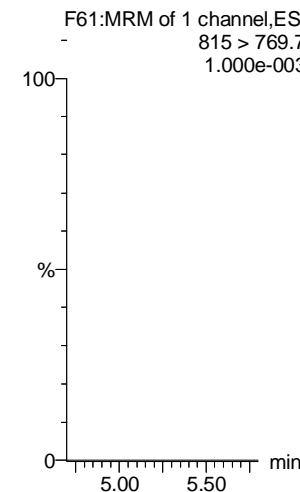
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



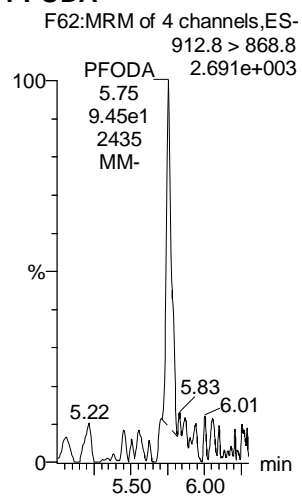
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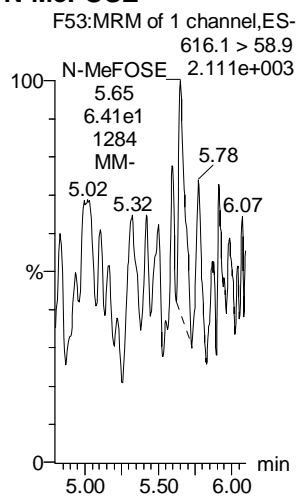
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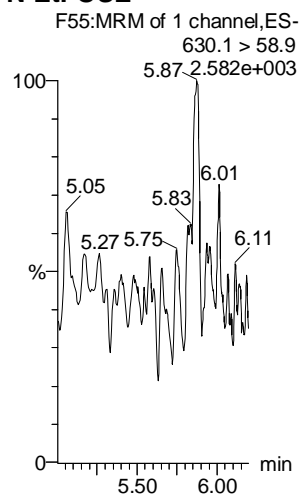
PFODA



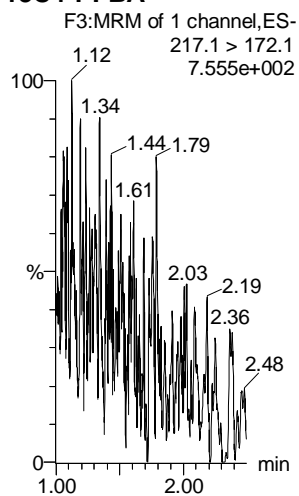
N-MeFOSE



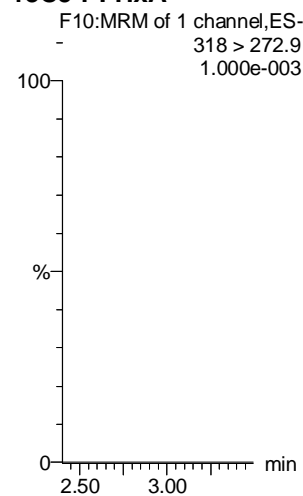
N-EtFOSE



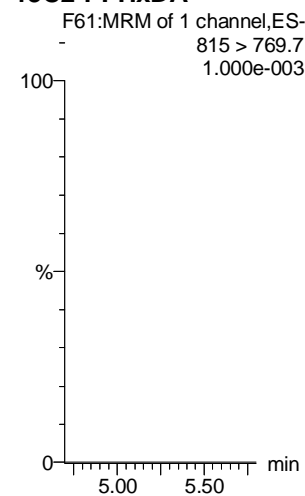
13C4-PFBA



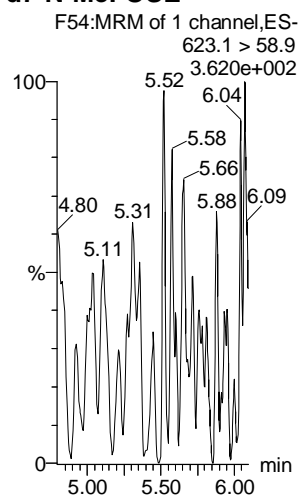
13C5-PFHxA



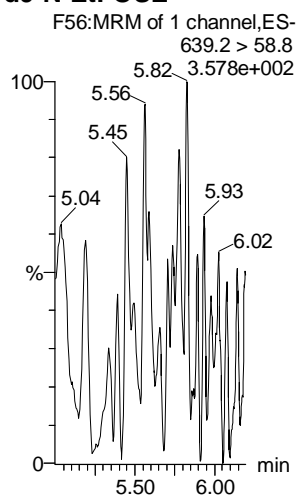
13C2-PFHxDA



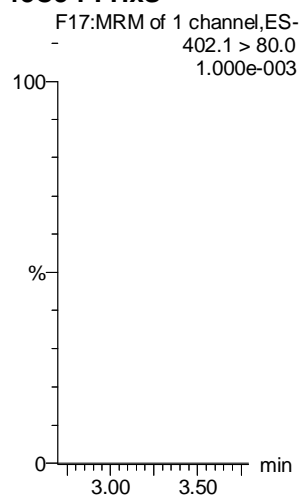
d7-N-MeFOSE



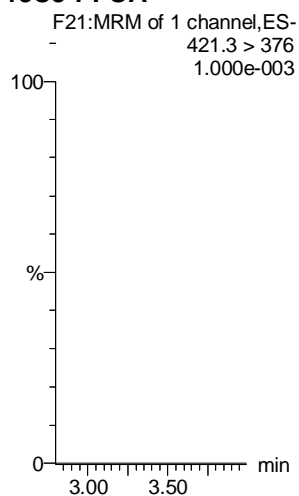
d9-N-EtFOSE



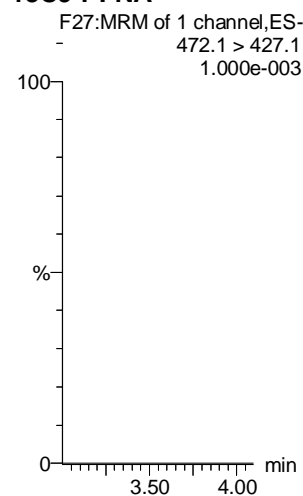
13C3-PFHxA



13C8-PFOA



13C9-PFNA



Dataset: Untitled

Last Altered: Monday, October 02, 2017 14:48:45 Pacific Daylight Time

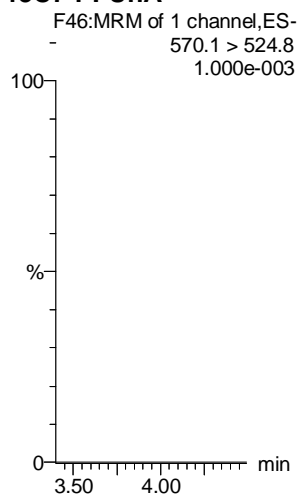
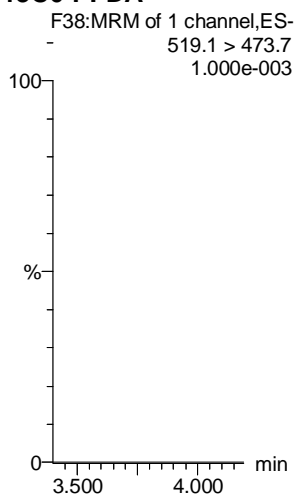
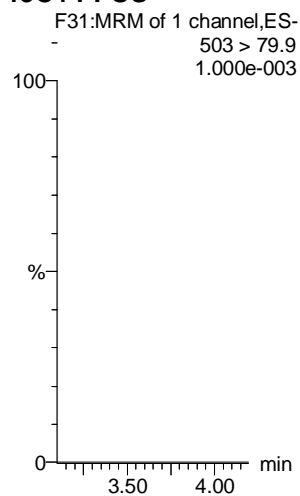
Printed: Monday, October 02, 2017 14:48:56 Pacific Daylight Time

Name: 171002M3_12, Date: 02-Oct-2017, Time: 12:19:18, ID: IPA, Description: IPA

13C4-PFOS

13C6-PFDA

13C7-PFUnA



**DATA VALIDATION SUMMARY REPORT
MCB CAMP LEJEUNE, NORTH CAROLINA**

Client: CH2M HILL, Inc., Virginia Beach, Virginia
 SDG: 1701324
 Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
 Site: MCB Camp Lejeune, CTO-WE37
 Date: December 18, 2017

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	TLZP-GW03-17D	1701324-01	Water
2	TLZP-GW04-17D	1701324-02	Water
2MS	TLZP-GW04-17DMS	1701324-02MS	Water
2MSD	TLZP-GW04-17DMSD	1701324-02MSD	Water
3	TLZP-GW02-17D	1701324-03	Water
4	TLZP-GW02D-17D	1701324-04	Water
5	TLZP-GW01-17D	1701324-05	Water
6	TLZP-GW07-17D	1701324-06	Water
7	TLZP-GW06-17D	1701324-07	Water
8	TLZP-GW05-17D	1701324-08	Water
9	TLZP-EB-092517	1701324-09	Water
10	TLZP-FB-092517	1701324-10	Water

A full data validation was performed on the analytical data for eight water samples, one aqueous equipment blank sample, and one aqueous field blank sample collected on September 25, 2017 by CH2M HILL at the MCB Camp Lejeune site in North Carolina. The samples were analyzed under the EPA Method "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)".

Specific method references are as follows:

Analysis
PFCs

Method References
USEPA Method 537 Modified

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method, and the U.S. Department of Defense (DoD) Quality Systems Manual (QSM), Version 5.0 (July 2013) and the USEPA National Functional Guidelines for Organic Data Review as follows:

- The USEPA "Contract Laboratories Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2017;
- and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

Organics

- Date Completeness, Case Narrative & Custody Documentation
- Holding times
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

A full (Level IV) data validation was performed with this review including a recalculation of 10% of the detected results in the samples.

Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the data quality indicator criteria as detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Perfluorinated Compounds (PFCs)

Data Completeness, Case Narrative & Custody Documentation

- The case narrative and chain-of-custody documentation were included in the data package as required. All criteria were met.

Holding Times

- All samples were extracted within 14 days for water samples and analyzed within 28 days.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All correlation coefficient and/or percent recovery (%R) criteria were met.

Continuing Calibration

- All percent recovery (%R) criteria were met.

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC samples were free of contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
TLZP-EB-092517	None - ND	-	-	-
TLZP-FB-092517	None - ND	-	-	-

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values except for the following.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier	Affected Samples
2	PFHxS	OK/62.6%/26.2	UJ	2

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria except for the following.

Sample ID	Internal Standard	%R	Qualifier
1	13C3-PFBS	171%	None - Compound ND
2	13C3-PFBS	166%	None - Compound ND
4	13C3-PFBS	157%	None - Compound ND
6	13C3-PFBS	162%	None - Compound ND

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	TLZP-GW02-17D ng/L	TLZP-GW02D-17D ng/L	RPD	Qualifier
PFBS	2.78	ND	NC	None

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/19/17
 Nancy Weaver
 Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Sample ID: TLZP-GW03-17D

Modified EPA Method 537

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1701324-01	Column:	BEH C18					
Project:	TLZ Phoenix PFAs	Date Collected:	25-Sep-17 13:45	Date Received:	27-Sep-17 09:02					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFHxA	ND	2.35	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFHpA	ND	0.636	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFHxS	ND	1.02	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFOA	ND	0.701	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFNA	ND	0.872	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFDA	ND	1.60	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
MeFOSAA	ND	1.78	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFUnA	ND	1.13	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
EtFOSAA	ND	1.47	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFDoA	ND	0.852	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFTtDA	ND	0.532	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
PFTeDA	ND	0.813	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
Combined PFOA/PFOS	ND	0.869	5.39	8.61		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	171	50 - 150	H	B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFHxA	IS	101	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C4-PFHpA	IS	75.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
18O2-PFHxS	IS	110	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFOA	IS	93.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C8-PFOS	IS	104	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C5-PFNA	IS	89.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFDA	IS	78.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
d3-MeFOSAA	IS	65.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFUnA	IS	69.6	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
d5-EtFOSAA	IS	61.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFDoA	IS	71.2	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	
13C2-PFTeDA	IS	86.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 02:49	I	

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

LOD - Lower control limit - upper control limit
LOQ - Limit of quantitation

DL - Detection Limit

1701324

Sample ID: TLZP-GW04-17D

Modified EPA Method 537

Client Data		Laboratory Data	
Name: CH2M Hill	Matrix: Aqueous	Lab Sample: 1701324-02	Column: BEH C18
Project: TLZ Phoenix PFAs	Date Collected: 25-Sep-17 13:00	Date Received: 27-Sep-17 09:02	

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.95	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHxA	ND	2.37	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHpA	ND	0.643	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFHxS	ND	1.03	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFOA	ND	0.708	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFNA	ND	0.881	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFDA	ND	1.62	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
MeFOSAA	ND	1.79	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFUnA	ND	1.14	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
EtFOSAA	ND	1.49	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFDoA	ND	0.862	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFTtDA	ND	0.537	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
PFTeDA	ND	0.821	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
Combined PFOA/PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
Labeled Standards	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	166		50 - 150		H	B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFHxA	90.2		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C4-PFHpA	83.9		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
18O2-PFHxS	93.2		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFOA	93.9		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C8-PFOS	93.2		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C5-PFNA	88.9		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFDA	84.0		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
d3-MeFOSAA	79.7		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFUnA	99.7		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
d5-EtFOSAA	85.4		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFDoA	102		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1
13C2-PFTeDA	108		50 - 150			B7J0002	03-Oct-17	0.115 L	04-Oct-17 03:00	1

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of Quantitation
 LCL-UCL - Lower control limit - upper control limit
 Results reported to the DL
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

W.W. 21.8117

Sample ID: TLZP-GW02-17D **Modified EPA Method 537**

Client Data	Laboratory Data	
Name: CH2M Hill	Lab Sample: 1701324-03	Column: BEH C18
Project: TLZ Phoenix PFAs	Date Received: 27-Sep-17 09:02	
Matrix: Aqueous		
Date Collected: 25-Sep-17 12:10		

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	2.78	2.10	5.84	9.38	J	B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxA	ND	2.56	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHpA	ND	0.693	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFHxS	ND	1.11	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOA	ND	0.763	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFOS	ND	0.946	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFNA	ND	0.950	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDA	ND	1.75	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
MeFOSAA	ND	1.93	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFUnA	ND	1.23	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
EtFOSAA	ND	1.61	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFDoA	ND	0.929	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTeDA	ND	0.579	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
PFTeDA	ND	0.885	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
Combined PFOA/PFOS	ND	0.946	5.84	9.38		B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
Labeled Standards	% Recovery	DL	Limits	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	140		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFHxA	91.6		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C4-PFHpA	78.1		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
18O2-PFHxS	86.6		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFOA	85.3		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C8-PFOS	97.4		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C5-PFNA	77.5		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDA	73.5		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d3-MeFOSAA	67.5		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFUnA	76.1		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
d5-EtFOSAA	66.7		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFDoA	65.0		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1
13C2-PFTeDA	78.9		50 - 150			B7J0002	03-Oct-17	0.107 L	04-Oct-17 03:32	1

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 LCU-UCL- Lower control limit - upper control limit
 Results reported to the DL
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

NW 121817

Sample ID: TLZP-GW02D-17D

Modified EPA Method 537

Client Data		Matrix: Aqueous		Laboratory Data						
Name:	CH2M Hill	Date Collected:	25-Sep-17 12:15	Lab Sample:	1701324-04					
Project:	TLZ Phoenix PFA's	Date Received:	27-Sep-17 09:02	Date Received:	27-Sep-17 09:02					
				Column:	BEH C18					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.00	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHxA	ND	2.44	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHpA	ND	0.661	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFHxS	ND	1.06	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFOA	ND	0.728	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFOS	ND	0.903	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFNA	ND	0.906	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFDA	ND	1.67	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
MeFOSAA	ND	1.85	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFUnA	ND	1.17	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
EtFOSAA	ND	1.53	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFDoA	ND	0.886	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFTtDA	ND	0.553	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
PFTeDA	ND	0.844	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
Combined PFOA/PFOS	ND	0.903	5.58	8.95		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	157	50 - 150	H	B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFHxA	IS	103	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C4-PFHpA	IS	81.1	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
18O2-PFHxS	IS	98.9	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFOA	IS	96.5	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C8-PFOS	IS	98.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C5-PFNA	IS	86.8	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFDA	IS	70.3	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
d3-MeFOSAA	IS	68.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFUnA	IS	86.7	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
d5-EtFOSAA	IS	75.0	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFDoA	IS	76.2	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	
13C2-PFTeDA	IS	99.5	50 - 150		B7J0002	03-Oct-17	0.112 L	04-Oct-17 04:15	1	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 LCL-UCL - Lower control limit - upper control limit
 Results reported to the DL

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

170121817

Sample ID: TLZP-GW01-17D

Modified EPA Method 537

Client Data		Laboratory Data		Matrix: Aqueous		Date Collected: 25-Sep-17 11:25		Date Received: 27-Sep-17 09:02		Column: BEH C18	
Name: CH2M Hill Project: TLZ Phoenix PFAs		Lab Sample: 1701324-05		Batch		Extracted		Samp Size		Analyzed	
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	37.9	1.95	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFHxA	ND	2.37	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFHpA	2.06	0.643	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFHxS	104	1.03	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFOA	ND	0.709	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFOS	3.20	0.878	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFNA	ND	0.882	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFDA	ND	1.62	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
MeFOSAA	ND	1.80	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFUnA	ND	1.14	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
EtFOSAA	ND	1.49	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFDoA	ND	0.862	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFTtDA	ND	0.538	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
PFTeDA	ND	0.822	5.43	8.71		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
Combined PFOA/PFOS	3.20	0.878	5.43	8.71	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I	
Labeled Standards	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBS	150	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFHxA	96.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C4-PFHpA	82.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
18O2-PFHxS	95.3	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFOA	86.3	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C8-PFOS	106	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C5-PFNA	82.9	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFDA	79.4	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
d3-MeFOSAA	60.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFUnA	85.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
d5-EtFOSAA	64.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFDoA	74.0	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			
13C2-PFTeDA	95.4	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:26	I			

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of Quantitation
 LCL-UCL - Lower control limit - upper control limit
 Results reported to the DL.
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

1701324-05

Sample ID: TLZP-GW07-17D

Modified EPA Method 537

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1701324-06	Column:	BEH C18					
Project:	TLZ Phoenix PFA's	Date Collected:	25-Sep-17 12:46	Date Received:	27-Sep-17 09:02					
Matrix:	Aqueous									
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFHxA	ND	2.30	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFHpA	ND	0.625	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFHxS	ND	1.00	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFOA	ND	0.688	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFOS	ND	0.853	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFNA	ND	0.856	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFDA	ND	1.58	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
MeFOSAA	ND	1.74	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFUnA	ND	1.11	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
EtFOSAA	ND	1.45	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFDoA	ND	0.837	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFTfDA	ND	0.522	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
PFTeDA	ND	0.798	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
Combined PFOA/PFOS	ND	0.853	5.30	8.46		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	162	50 - 150	H	B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFHxA	IS	98.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C4-PFHpA	IS	86.9	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
18O2-PFHxS	IS	92.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFOA	IS	90.0	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C8-PFOS	IS	96.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C5-PFNA	IS	78.2	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFDA	IS	68.5	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
d3-MeFOSAA	IS	66.8	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFUnA	IS	65.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
d5-EtFOSAA	IS	68.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFDoA	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	
13C2-PFTeDA	IS	87.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 04:36	I	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of Quantitation
 LCL-UCL- Lower control limit - upper control limit
 Results reported to the DL.
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

2017.12.18 11:17

Client Data				Laboratory Data				Modified EPA Method 537					
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	1701324-07	Column:	BEH C18	Project:	TLZ Phoenix PEAs	Date Collected:	25-Sep-17 13:50	Date Received:	27-Sep-17 09:02
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
PFBS	ND	1.98	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFHxA	ND	2.41	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFHpA	ND	0.653	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFHxS	ND	1.05	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFOA	ND	0.719	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFOS	1.07	0.891	5.53	8.84	J	B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFNA	ND	0.895	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFDA	ND	1.65	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
MeFOSAA	ND	1.82	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFUnA	ND	1.16	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
EtFOSAA	ND	1.51	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFDoA	ND	0.875	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFTrDA	ND	0.546	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
PFTeDA	ND	0.834	5.53	8.84		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
Combined PFOA/PFOS	1.07	0.891	5.53	8.84	J	B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I			
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution				
13C3-PFBS	IS	149	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFHxA	IS	93.3	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C4-PFHpA	IS	86.1	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
18O2-PFHxS	IS	109	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFOA	IS	92.5	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C8-PFOS	IS	97.4	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C5-PFNA	IS	83.5	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFDA	IS	68.6	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
d3-MeFOSAA	IS	56.3	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFUnA	IS	70.1	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
d5-EtFOSAA	IS	62.2	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFDoA	IS	69.4	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				
13C2-PFTeDA	IS	80.2	50 - 150		B7J0002	03-Oct-17	0.113 L	04-Oct-17 04:47	I				

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

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

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

new 12.18/1.7

Sample ID: TLZP-GW05-17D

Modified EPA Method 537

Client Data		Laboratory Data	
Name: CH2M Hill	Matrix: Aqueous	Lab Sample: 1701324-08	Column: BEH C18
Project: TLZ Phoenix PAs	Date Collected: 25-Sep-17 15:17	Date Received: 27-Sep-17 09:02	

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	76.6	1.95	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHxA	329	2.37	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHpA	82.0	0.643	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFHxS	95.1	1.03	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFOA	2.25	0.708	5.43	8.70	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFOS	ND	0.878	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFNA	ND	0.881	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFDA	ND	1.62	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
MeFOSAA	ND	1.79	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFUnA	ND	1.14	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
EtFOSAA	ND	1.49	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFDoA	ND	0.861	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFTtDA	ND	0.537	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
PFTeDA	ND	0.821	5.43	8.70		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
Combined PFOA/PFOS	2.25	0.878	5.43	8.70	J	B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	142	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFHxA	IS	99.5	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C4-PFHpA	IS	83.6	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
18O2-PFHxS	IS	100	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFOA	IS	90.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C8-PFOS	IS	104	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C5-PFNA	IS	88.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFDA	IS	80.5	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
d3-MeFOSAA	IS	69.2	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFUnA	IS	83.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
d5-EtFOSAA	IS	69.8	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFDtA	IS	77.8	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1
13C2-PFTeDA	IS	87.7	50 - 150		B7J0002	03-Oct-17	0.115 L	04-Oct-17 04:58	1

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 LCL-UCL - Lower control limit - upper control limit
 Results reported to the DL
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

12.8/17

Sample ID: TLZP-EB-092517

Modified EPA Method 537

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1701324-09	Column:	BEH C18					
Project:	TLZ Phoenix PFAs	Date Received:	27-Sep-17 09:02							
Matrix:	Aqueous									
Date Collected:	25-Sep-17 16:00									
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.92	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHxA	ND	2.34	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHpA	ND	0.635	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFHxS	ND	1.02	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFOA	ND	0.700	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFOS	ND	0.867	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFNA	ND	0.871	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFDA	ND	1.60	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
MeFOSAA	ND	1.77	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFUnA	ND	1.13	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
EtFOSAA	ND	1.47	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFDoA	ND	0.851	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFTeDA	ND	0.531	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
PFTeDA	ND	0.811	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
Combined PFOA/PFOS	ND	0.867	5.39	8.60		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	150	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFHxA	IS	103	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C4-PFHpA	IS	82.2	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
18O2-PFHxS	IS	107	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFOA	IS	89.3	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C8-PFOS	IS	91.9	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C5-PFNA	IS	81.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFDA	IS	68.5	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
d3-MeFOSAA	IS	64.4	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFUnA	IS	71.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
d5-EtFOSAA	IS	68.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFDoA	IS	80.7	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	
13C2-PFTeDA	IS	95.0	50 - 150		B7J0002	03-Oct-17	0.116 L	04-Oct-17 05:09	1	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 LCL-UCL- Lower control limit - upper control limit
 Results reported to the DL
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

new 1218117

Modified EPA Method 537

Sample ID: TLZP-FB-092517

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1701324-10	Column:	BEH C18					
Project:	TLZ Phoenix PVAs	Date Received:	27-Sep-17 09:02							
Matrix:	Aqueous									
Date Collected:	25-Sep-17 16:10									
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHxA	ND	2.32	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHpA	ND	0.628	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFHxS	ND	1.01	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFOA	ND	0.692	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFOS	ND	0.857	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFNA	ND	0.861	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFDA	ND	1.58	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
MeFOSAA	ND	1.75	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFUnA	ND	1.12	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
EtFOSAA	ND	1.46	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFDoA	ND	0.842	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFTtDA	ND	0.525	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
PFTeDA	ND	0.802	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
Combined PFOA/PFOS	ND	0.857	5.30	8.50		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	147	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFHxA	IS	112	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C4-PFHpA	IS	85.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
18O2-PFHxS	IS	93.9	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFOA	IS	104	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C8-PFOS	IS	94.6	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C5-PFNA	IS	85.6	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFDA	IS	71.7	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
d3-MeFOSAA	IS	79.4	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFUnA	IS	75.3	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
d5-EtFOSAA	IS	80.5	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFDoA	IS	93.8	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	
13C2-PFTeDA	IS	75.1	50 - 150		B7J0002	03-Oct-17	0.118 L	04-Oct-17 05:20	1	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 LCL-UCL- Lower control limit - upper control limit
 Results reported to the DL
 When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

new 12.18.17