



**Groundwater Sample Results,
Level 2 Laboratory Report, Level 4 Laboratory Report,
Electronic Data Deliverable, Data Validation Report,
and the Sample Location Report, SDG 1701943**

*Naval Air Station Whidbey Island
Oak Harbor, Washington*

June 2019



January 03, 2018

Vista Work Order No. 1701943

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

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on December 13, 2017. This sample set was analyzed on a rush turn-around time, under your Project Name 'WHIDBEY ISLAND / 695610.05.FI.FS'.

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,

Karoly Vopendha
for

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. 1701943

Case Narrative

Sample Condition on Receipt:

Fourteen water samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The Total Oxidizable Precursor (TOP) assay is being performed on seven of the samples; the results will be reported under separate cover.

Analytical Notes:

Modified EPA Method 537

The 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 extracts of all samples except "WI-A06-EB08-121217" were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The results from the re-injections have been reported.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701943-01	WI-A06-6-S-04-1217	11-Dec-17 10:15	13-Dec-17 09:28	HDPE Bottle, 125 mL
1701943-02	WI-A06-6-S-04-1217-TOP	11-Dec-17 10:15	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-03	WI-A06-6-S-19-1217	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-04	WI-A06-6-S-19-1217-TOP	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-05	WI-A06-6-S-19P-1217	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-06	WI-A06-6-S-19P-1217-TOP	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-07	WI-A06-6-S-31-1217	11-Dec-17 14:10	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-08	WI-A06-6-S-31-1217-TOP	11-Dec-17 14:10	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-09	WI-A06-EB07-121117	11-Dec-17 14:45	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-10	WI-A06-EB07-121117-TOP	11-Dec-17 14:45	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-11	WI-A06-6-S-08-1217	12-Dec-17 09:35	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-12	WI-A06-6-S-08-1217-TOP	12-Dec-17 09:35	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-13	WI-A06-EB08-121217	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-14	WI-A06-EB08-121217-TOP	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL

Vista Project: 1701943

Client Project: WHIDBEY ISLAND / 695610.05.FI.FS

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701943-14	WI-A06-EB08-121217-TOP	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					Modified EPA Method 537					
Client Data Name: CH2M Hill Project: WHIDBEY ISLAND / 695610.05.FI.FS Matrix: Aqueous					Laboratory Data Lab Sample: B7L0171-BLK1 Column: BEH C18					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.895	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHxA	ND	1.09	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHpA	ND	0.296	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHxS	ND	0.474	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFOA	ND	0.326	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFOS	ND	0.404	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFNA	ND	0.405	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFDA	ND	0.745	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
MeFOSAA	ND	0.825	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFUnA	ND	0.525	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
EtFOSAA	ND	0.685	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFDaA	ND	0.396	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFTTrDA	ND	0.247	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFTeDA	ND	0.378	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	119	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFHxA	IS	104	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C4-PFHpA	IS	96.1	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
18O2-PFHxS	IS	117	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFOA	IS	102	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C8-PFOS	IS	130	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C5-PFNA	IS	102	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFDA	IS	87.3	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
d3-MeFOSAA	IS	76.0	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFUnA	IS	82.8	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
d5-EtFOSAA	IS	81.9	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFDaA	IS	79.4	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFTeDA	IS	84.5	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	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 Name: CH2M Hill Project: WHIDBEY ISLAND / 695610.05.FI.FS Matrix: Aqueous					Laboratory Data Lab Sample: B7L0171-BS1 Column: BEH C18					
Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	41.8	40.0	104	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHxA	37.4	40.0	93.6	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHpA	38.0	40.0	95.1	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHxS	38.0	40.0	95.0	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFOA	41.9	40.0	105	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFOS	41.8	40.0	104	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFNA	33.9	40.0	84.8	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFDA	32.2	40.0	80.5	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
MeFOSAA	35.5	40.0	88.8	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFUnA	45.6	40.0	114	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
EtFOSAA	44.9	40.0	112	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFDaA	42.8	40.0	107	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFTTrDA	47.8	40.0	119	60-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFTeDA	43.1	40.0	108	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS		108	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFHxA	IS		114	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C4-PFHpA	IS		111	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
18O2-PFHxS	IS		115	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFOA	IS		119	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C8-PFOS	IS		97.4	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C5-PFNA	IS		107	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFDA	IS		99.2	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
d3-MeFOSAA	IS		79.4	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFUnA	IS		85.3	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
d5-EtFOSAA	IS		77.1	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFDaA	IS		76.2	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFTeDA	IS		79.9	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1

Sample ID: WI-A06-6-S-04-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-01	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 10:15		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxA	6.84	2.18	5.00	8.00	J	B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHpA	ND	0.591	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxS	ND	0.947	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOA	ND	0.651	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOS	ND	0.807	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFNA	ND	0.810	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDA	ND	1.49	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
MeFOSAA	ND	1.65	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFUnA	ND	1.05	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
EtFOSAA	ND	1.37	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDaA	ND	0.792	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTDA	ND	0.494	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTeDA	ND	0.755	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFHxA	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C4-PFHpA	IS	120	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
18O2-PFHxS	IS	125	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFOA	IS	126	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C8-PFOS	IS	113	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C5-PFNA	IS	99.4	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFDA	IS	145	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
d3-MeFOSAA	IS	116	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFUnA	IS	104	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFDaA	IS	87.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFTeDA	IS	94.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	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: WI-A06-6-S-19-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-03	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 11:55		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	4.22	1.85	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxA	21.8	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHpA	1.66	0.612	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxS	6.21	0.981	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOA	4.21	0.675	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOS	ND	0.836	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFNA	ND	0.839	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDaA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTeDA	ND	0.782	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFHxA	IS	126	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C4-PFHpA	IS	113	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
18O2-PFHxS	IS	120	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFOA	IS	107	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C8-PFOS	IS	122	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C5-PFNA	IS	121	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFDA	IS	109	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
d3-MeFOSAA	IS	112	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFUnA	IS	120	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
d5-EtFOSAA	IS	109	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFDaA	IS	90.5	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFTeDA	IS	94.5	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	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: WI-A06-6-S-19P-1217					Modified EPA Method 537						
Client Data					Laboratory Data						
Name: CH2M Hill		Matrix: Water		Lab Sample: 1701943-05		Column: BEH C18					
Project: WHIDBEY ISLAND / 695610.05.FI.FS		Date Collected: 11-Dec-17 11:55		Date Received: 13-Dec-17 09:28							
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	4.15	1.87	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHxA	22.8	2.27	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHpA	1.95	0.616	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHxS	5.39	0.987	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFOA	4.20	0.678	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFOS	ND	0.841	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFNA	ND	0.844	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFDA	ND	1.55	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
MeFOSAA	ND	1.72	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFUnA	ND	1.09	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
EtFOSAA	ND	1.43	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFDaA	ND	0.825	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFTTrDA	ND	0.515	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFTeDA	ND	0.787	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	125	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFHxA	IS	114	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C4-PFHpA	IS	118	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
18O2-PFHxS	IS	101	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFOA	IS	118	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C8-PFOS	IS	122	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C5-PFNA	IS	124	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFDA	IS	107	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
d3-MeFOSAA	IS	118	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFUnA	IS	119	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
d5-EtFOSAA	IS	115	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFDaA	IS	93.9	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
13C2-PFTeDA	IS	98.4	50 - 150			B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	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: WI-A06-6-S-31-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-07	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 14:10		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	14.3	1.80	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHxA	58.3	2.20	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHpA	29.3	0.595	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHxS	41.1	0.954	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFOA	53.8	0.656	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFOS	1.82	0.813	5.04	8.06	J	B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFNA	ND	0.816	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFDA	ND	1.50	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
MeFOSAA	ND	1.66	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFUnA	ND	1.06	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
EtFOSAA	ND	1.38	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFDaA	ND	0.798	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFTDA	ND	0.498	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFTeDA	ND	0.761	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFHxA	IS	119	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
18O2-PFHxS	IS	137	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFOA	IS	114	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C8-PFOS	IS	123	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C5-PFNA	IS	117	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFDA	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
d3-MeFOSAA	IS	107	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFUnA	IS	129	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFDaA	IS	71.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
13C2-PFTeDA	IS	91.6	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	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.

Sample ID: WI-A06-EB07-121117
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-09	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 14:45		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxA	ND	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHpA	ND	0.613	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxS	ND	0.982	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOA	ND	0.675	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOS	ND	0.837	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFNA	ND	0.840	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDaA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTeDA	ND	0.783	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	142	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFHxA	IS	118	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
18O2-PFHxS	IS	124	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFOA	IS	106	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C8-PFOS	IS	116	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C5-PFNA	IS	114	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFDA	IS	117	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
d3-MeFOSAA	IS	128	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFUnA	IS	108	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
d5-EtFOSAA	IS	129	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFDaA	IS	87.9	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFTeDA	IS	85.4	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	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: WI-A06-6-S-08-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-11	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	12-Dec-17 09:35		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.81	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxA	ND	2.21	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHpA	ND	0.598	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxS	ND	0.958	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOA	ND	0.659	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOS	ND	0.816	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFNA	ND	0.820	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDA	ND	1.51	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
MeFOSAA	ND	1.67	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFUnA	ND	1.06	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
EtFOSAA	ND	1.39	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDaA	ND	0.801	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTDA	ND	0.500	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTeDA	ND	0.764	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	135	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFHxA	IS	115	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C4-PFHpA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
18O2-PFHxS	IS	120	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFOA	IS	88.2	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C8-PFOS	IS	112	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C5-PFNA	IS	92.1	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFDA	IS	83.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
d3-MeFOSAA	IS	104	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFUnA	IS	98.7	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
d5-EtFOSAA	IS	100	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFDaA	IS	81.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFTeDA	IS	75.5	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: WI-A06-EB08-121217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-13	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	12-Dec-17 10:25		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.83	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxA	ND	2.22	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHpA	ND	0.603	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxS	ND	0.966	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOA	ND	0.664	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOS	ND	0.823	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFNA	ND	0.826	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDA	ND	1.52	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
MeFOSAA	ND	1.68	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFUnA	ND	1.07	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
EtFOSAA	ND	1.40	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDaA	ND	0.808	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTDA	ND	0.504	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTeDA	ND	0.770	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFHxA	IS	112	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C4-PFHpA	IS	112	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
18O2-PFHxS	IS	109	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFOA	IS	121	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C8-PFOS	IS	118	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C5-PFNA	IS	90.5	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFDA	IS	78.8	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
d3-MeFOSAA	IS	80.5	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFUnA	IS	77.9	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
d5-EtFOSAA	IS	66.0	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFDaA	IS	84.1	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFTeDA	IS	89.7	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	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.

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

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

CH2MHILL

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1701943 31°C

Project Name Location NASWI, Oak Harbor, Washington Project Number 695610.05.FI.FS Project Manager Heather Perry Sample Manager Tiffany Hill (541) 908-3794 Task Order Project WHIDBEY ISLAND Turnaround Time 7 Days Shipping Date: 12/12/2017 COC Number: VAL-121217				Container: 2x 125mL Preservatives: ≤ 6°C Filtered: NA Holding Time: 7	4x 125mL ≤ 6°C NA 7 PFAS (14 analyte list) PFAS (14 analyte list) TOP	Number of Containers	COMMENTS
DATE	TIME	Matrix					
✓ WI-A06-6-S-04-1217	12/11/2017	10:15	Water	X		2	
✓ WI-A06-6-S-04-1217-TOP	12/11/2017	10:15	Water		X	4	
✓ WI-A06-6-S-19-1217	12/11/2017	11:55	Water	X		2	
✓ WI-A06-6-S-19-1217-TOP	12/11/2017	11:55	Water		X	4	
✓ WI-A06-6-S-19P-1217	12/11/2017	11:55	Water	X		2	
✓ WI-A06-6-S-19P-1217-TOP	12/11/2017	11:55	Water		X	4	
✓ WI-A06-6-S-31-1217	12/11/2017	14:10	Water	X		2	
✓ WI-A06-6-S-31-1217-TOP	12/11/2017	14:10	Water		X	4	
✓ WI-A06-EB07-121117	12/11/2017	14:45	Water	X		2	
✓ WI-A06-EB07-121117-TOP	12/11/2017	14:45	Water		X	4	
✓ WI-A06-6-S-08-1217	12/12/2017	09:35	Water	X		2	
✓ WI-A06-6-S-08-1217-TOP	12/12/2017	09:35	Water		X	4	
✓ WI-A06-EB08-121217	12/12/2017	10:25	Water	X		2	
✓ WI-A06-EB08-121217-TOP	12/12/2017	10:25	Water		X	4	

42 total

Signatures Approved by <i>[Signature]</i> Sampled by <i>[Signature]</i> Relinquished by <i>[Signature]</i> Received by <i>[Signature]</i> Relinquished by <i>[Signature]</i> Received by <i>[Signature]</i>		Date/Time 12/12/17 1200 12/13/17 0935	Shipping Details Method of Shipment: FedEx On Ice: yes / no Airbill No: Lab Name: Vista Analytical Laboratory Lab Phone: (916) 673-1520	ATTN: Sample Custody and Martha Maier	Special Instructions: Report Copy to Heather.Perry@CH2M.com (530) 229-3276 x33276

Sample Log-in Checklist

 Vista Work Order #: 1701943 TAT 14

Samples Arrival:	Date/Time 12/13/17 0928	Initials: WJS	Location: WR-2 Shelf/Rack: N/A
Logged In:	Date/Time 12/13/17 1409	Initials: VPSB	Location: WR-2 Shelf/Rack: A4
Delivered By:	☒ FedEx	☐ UPS	☐ On Trac
	☐ GSO	☐ DHL	☐ Hand Delivered
Preservation:	☒ Ice	☐ Blue Ice	☐ Dry Ice
	☐ None		
Temp °C: 30.0 (uncorrected)	Time: 0935		Thermometer ID: IR-1
Temp °C: 30.1 (corrected)	Probe used: Yes ☐ No ☒		

	YES	NO	NA
Adequate Sample Volume Received?	☒		
Holding Time Acceptable?	☒		
Shipping Container(s) Intact?	☒		
Shipping Custody Seals Intact?	☒		
Shipping Documentation Present?	☒		
Airbill	☒		
Trk # 7888 7928 0083			
Sample Container Intact?			☒
Sample Custody Seals Intact?			☒
Chain of Custody / Sample Documentation Present?	☒		
COC Anomaly/Sample Acceptance Form completed?		☒	☒
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			☒
Preservation Documented:	☒ Na ₂ S ₂ O ₃	☒ Trizma	☒ None
	☒ Yes	☒ No	☒ NA
Shipping Container	☒ Vista	☒ Client	☒ Retain
	☒ Return	☒ Dispose	

Comments:

January 03, 2018

Vista Work Order No. 1701943

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

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on December 13, 2017. This sample set was analyzed on a rush turn-around time, under your Project Name 'WHIDBEY ISLAND / 695610.05.FI.FS'.

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. 1701943**Case Narrative****Sample Condition on Receipt:**

Fourteen water samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The Total Oxidizable Precursor (TOP) assay is being performed on seven of the samples; the results will be reported under separate cover.

Analytical Notes:**Modified EPA Method 537**

The 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 extracts of all samples except "WI-A06-EB08-121217" were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The results from the re-injections have been reported.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701943-01	WI-A06-6-S-04-1217	11-Dec-17 10:15	13-Dec-17 09:28	HDPE Bottle, 125 mL
1701943-02	WI-A06-6-S-04-1217-TOP	11-Dec-17 10:15	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-03	WI-A06-6-S-19-1217	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-04	WI-A06-6-S-19-1217-TOP	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-05	WI-A06-6-S-19P-1217	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-06	WI-A06-6-S-19P-1217-TOP	11-Dec-17 11:55	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-07	WI-A06-6-S-31-1217	11-Dec-17 14:10	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-08	WI-A06-6-S-31-1217-TOP	11-Dec-17 14:10	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-09	WI-A06-EB07-121117	11-Dec-17 14:45	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-10	WI-A06-EB07-121117-TOP	11-Dec-17 14:45	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-11	WI-A06-6-S-08-1217	12-Dec-17 09:35	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-12	WI-A06-6-S-08-1217-TOP	12-Dec-17 09:35	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-13	WI-A06-EB08-121217	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701943-14	WI-A06-EB08-121217-TOP	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL

Vista Project: 1701943

Client Project: WHIDBEY ISLAND / 695610.05.FI.FS

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701943-14	WI-A06-EB08-121217-TOP	12-Dec-17 10:25	13-Dec-17 09:28	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					Modified EPA Method 537					
Client Data Name: CH2M Hill Project: WHIDBEY ISLAND / 695610.05.FI.FS Matrix: Aqueous					Laboratory Data Lab Sample: B7L0171-BLK1 Column: BEH C18					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.895	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHxA	ND	1.09	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHpA	ND	0.296	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFHxS	ND	0.474	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFOA	ND	0.326	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFOS	ND	0.404	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFNA	ND	0.405	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFDA	ND	0.745	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
MeFOSAA	ND	0.825	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFUnA	ND	0.525	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
EtFOSAA	ND	0.685	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFDaA	ND	0.396	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFTTrDA	ND	0.247	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
PFTeDA	ND	0.378	2.50	4.00		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	119	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFHxA	IS	104	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C4-PFHpA	IS	96.1	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
18O2-PFHxS	IS	117	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFOA	IS	102	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C8-PFOS	IS	130	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C5-PFNA	IS	102	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFDA	IS	87.3	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
d3-MeFOSAA	IS	76.0	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFUnA	IS	82.8	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
d5-EtFOSAA	IS	81.9	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFDaA	IS	79.4	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	1
13C2-PFTeDA	IS	84.5	50 - 150			B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:37	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 Name: CH2M Hill Project: WHIDBEY ISLAND / 695610.05.FI.FS Matrix: Aqueous					Laboratory Data Lab Sample: B7L0171-BS1 Column: BEH C18					
Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	41.8	40.0	104	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHxA	37.4	40.0	93.6	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHpA	38.0	40.0	95.1	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFHxS	38.0	40.0	95.0	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFOA	41.9	40.0	105	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFOS	41.8	40.0	104	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFNA	33.9	40.0	84.8	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFDA	32.2	40.0	80.5	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
MeFOSAA	35.5	40.0	88.8	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFUnA	45.6	40.0	114	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
EtFOSAA	44.9	40.0	112	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFDaA	42.8	40.0	107	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFTTrDA	47.8	40.0	119	60-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
PFTeDA	43.1	40.0	108	70-130		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS		108	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFHxA	IS		114	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C4-PFHpA	IS		111	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
18O2-PFHxS	IS		115	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFOA	IS		119	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C8-PFOS	IS		97.4	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C5-PFNA	IS		107	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFDA	IS		99.2	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
d3-MeFOSAA	IS		79.4	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFUnA	IS		85.3	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
d5-EtFOSAA	IS		77.1	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFDaA	IS		76.2	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1
13C2-PFTeDA	IS		79.9	50- 150		B7L0171	22-Dec-17	0.250 L	31-Dec-17 14:14	1

Sample ID: WI-A06-6-S-04-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-01	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 10:15		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxA	6.84	2.18	5.00	8.00	J	B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHpA	ND	0.591	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxS	ND	0.947	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOA	ND	0.651	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOS	ND	0.807	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFNA	ND	0.810	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDA	ND	1.49	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
MeFOSAA	ND	1.65	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFUnA	ND	1.05	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
EtFOSAA	ND	1.37	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDaA	ND	0.792	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTDA	ND	0.494	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTeDA	ND	0.755	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFHxA	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C4-PFHpA	IS	120	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
18O2-PFHxS	IS	125	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFOA	IS	126	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C8-PFOS	IS	113	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C5-PFNA	IS	99.4	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFDA	IS	145	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
d3-MeFOSAA	IS	116	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFUnA	IS	104	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFDaA	IS	87.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
13C2-PFTeDA	IS	94.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	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: WI-A06-6-S-19-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-03	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 11:55		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	4.22	1.85	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxA	21.8	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHpA	1.66	0.612	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxS	6.21	0.981	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOA	4.21	0.675	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOS	ND	0.836	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFNA	ND	0.839	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDaA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTeDA	ND	0.782	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFHxA	IS	126	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C4-PFHpA	IS	113	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
18O2-PFHxS	IS	120	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFOA	IS	107	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C8-PFOS	IS	122	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C5-PFNA	IS	121	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFDA	IS	109	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
d3-MeFOSAA	IS	112	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFUnA	IS	120	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
d5-EtFOSAA	IS	109	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFDaA	IS	90.5	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
13C2-PFTeDA	IS	94.5	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	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: WI-A06-6-S-19P-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-05	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 11:55		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	4.15	1.87	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFHxA	22.8	2.27	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFHpA	1.95	0.616	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFHxS	5.39	0.987	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFOA	4.20	0.678	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFOS	ND	0.841	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFNA	ND	0.844	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFDA	ND	1.55	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
MeFOSAA	ND	1.72	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFUnA	ND	1.09	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
EtFOSAA	ND	1.43	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFDaA	ND	0.825	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFTDA	ND	0.515	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
PFTeDA	ND	0.787	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	125	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFHxA	IS	114	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
18O2-PFHxS	IS	101	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFOA	IS	118	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C8-PFOS	IS	122	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C5-PFNA	IS	124	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFDA	IS	107	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
d3-MeFOSAA	IS	118	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFUnA	IS	119	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
d5-EtFOSAA	IS	115	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFDaA	IS	93.9	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFTeDA	IS	98.4	50 - 150		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	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: WI-A06-6-S-31-1217						Modified EPA Method 537				
Client Data					Laboratory Data					
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-07	Column:	BEH C18			
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	11-Dec-17 14:10	Date Received:	13-Dec-17 09:28					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	14.3	1.80	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHxA	58.3	2.20	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHpA	29.3	0.595	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFHxS	41.1	0.954	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFOA	53.8	0.656	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFOS	1.82	0.813	5.04	8.06	J	B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFNA	ND	0.816	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFDA	ND	1.50	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
MeFOSAA	ND	1.66	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFUnA	ND	1.06	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
EtFOSAA	ND	1.38	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFDaA	ND	0.798	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFTrDA	ND	0.498	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
PFTeDA	ND	0.761	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFHxA	IS	119	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
18O2-PFHxS	IS	137	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFOA	IS	114	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C8-PFOS	IS	123	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C5-PFNA	IS	117	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFDA	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
d3-MeFOSAA	IS	107	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFUnA	IS	129	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFDaA	IS	71.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1	
13C2-PFTeDA	IS	91.6	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	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.

Sample ID: WI-A06-EB07-121117					Modified EPA Method 537					
Client Data					Laboratory Data					
Name: CH2M Hill		Matrix: Water		Lab Sample: 1701943-09		Column: BEH C18				
Project: WHIDBEY ISLAND / 695610.05.FI.FS		Date Collected: 11-Dec-17 14:45		Date Received: 13-Dec-17 09:28						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxA	ND	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHpA	ND	0.613	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxS	ND	0.982	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOA	ND	0.675	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOS	ND	0.837	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFNA	ND	0.840	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDaA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTrDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTeDA	ND	0.783	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	142	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFHxA	IS	118	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C4-PFHpA	IS	118	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
18O2-PFHxS	IS	124	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFOA	IS	106	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C8-PFOS	IS	116	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C5-PFNA	IS	114	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFDA	IS	117	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
d3-MeFOSAA	IS	128	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFUnA	IS	108	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
d5-EtFOSAA	IS	129	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFDaA	IS	87.9	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
13C2-PFTeDA	IS	85.4	50 - 150			B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	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: WI-A06-6-S-08-1217
Modified EPA Method 537

Client Data					Laboratory Data				
Name:	CH2M Hill	Matrix:	Water		Lab Sample:	1701943-11	Column:	BEH C18	
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	12-Dec-17 09:35		Date Received:	13-Dec-17 09:28			

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.81	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxA	ND	2.21	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHpA	ND	0.598	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxS	ND	0.958	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOA	ND	0.659	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOS	ND	0.816	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFNA	ND	0.820	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDA	ND	1.51	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
MeFOSAA	ND	1.67	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFUnA	ND	1.06	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
EtFOSAA	ND	1.39	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDaA	ND	0.801	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTDA	ND	0.500	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTeDA	ND	0.764	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	135	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFHxA	IS	115	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C4-PFHpA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
18O2-PFHxS	IS	120	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFOA	IS	88.2	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C8-PFOS	IS	112	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C5-PFNA	IS	92.1	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFDA	IS	83.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
d3-MeFOSAA	IS	104	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFUnA	IS	98.7	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
d5-EtFOSAA	IS	100	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFDaA	IS	81.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
13C2-PFTeDA	IS	75.5	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

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

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

Sample ID: WI-A06-EB08-121217					Modified EPA Method 537					
Client Data					Laboratory Data					
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-13	Column:	BEH C18			
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	12-Dec-17 10:25	Date Received:	13-Dec-17 09:28					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.83	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxA	ND	2.22	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHpA	ND	0.603	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxS	ND	0.966	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOA	ND	0.664	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOS	ND	0.823	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFNA	ND	0.826	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDA	ND	1.52	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
MeFOSAA	ND	1.68	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFUnA	ND	1.07	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
EtFOSAA	ND	1.40	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDoA	ND	0.808	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTrDA	ND	0.504	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTeDA	ND	0.770	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFHxA	IS	112	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C4-PFHpA	IS	112	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
18O2-PFHxS	IS	109	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFOA	IS	121	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C8-PFOS	IS	118	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C5-PFNA	IS	90.5	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFDA	IS	78.8	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
d3-MeFOSAA	IS	80.5	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFUnA	IS	77.9	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
d5-EtFOSAA	IS	66.0	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFDoA	IS	84.1	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
13C2-PFTeDA	IS	89.7	50 - 150			B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	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.

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

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

CHAIN OF CUSTODY RECORD

12/11/2017 5:13:55 PM

Page 1 OF

1/2 (8)

Project Name				Container:	2x 125mL	4x 125mL	Number of Containers	COMMENTS
Location NASWI, Oak Harbor, Washington				Preservatives:	≤ 6°C	≤ 6°C		
Project Number 695610.05.FI.FS				Filtered:	NA	NA		
Project Manager Heather Perry				Holding Time:	7	7		
Sample Manager Tiffany Hill (541) 908-3794								
Task Order								
Project WHIDBEY ISLAND								
Turnaround Time 7 Days								
Shipping Date: 12/12/2017								
COC Number: VAL-121217								
DATE	TIME	Matrix						
WI-A06-6-S-04-1217	12/11/2017	10:15	Water	X			2	
WI-A06-6-S-04-1217-TOP	12/11/2017	10:15	Water		X		4	
WI-A06-6-S-19-1217	12/11/2017	11:55	Water	X			2	
WI-A06-6-S-19-1217-TOP	12/11/2017	11:55	Water		X		4	
WI-A06-6-S-19P-1217	12/11/2017	11:55	Water	X			2	
WI-A06-6-S-19P-1217-TOP	12/11/2017	11:55	Water		X		4	
WI-A06-6-S-31-1217	12/11/2017	14:10	Water	X			2	
WI-A06-6-S-31-1217-TOP	12/11/2017	14:10	Water		X		4	
WI-A06-EB07-121117	12/11/2017	14:45	Water	X			2	
WI-A06-EB07-121117-TOP	12/11/2017	14:45	Water		X		4	
WI-A06-6-S-08-1217	12/12/2017	09:35	Water	X			2	
WI-A06-6-S-08-1217-TOP	12/12/2017	09:35	Water		X		4	
WI-A06-EB08-121217	12/12/2017	10:25	Water	X			2	
WI-A06-EB08-121217-TOP	12/12/2017	10:25	Water		X		4	

42 total

Signatures Approved by _____ Sampled by _____ Relinquished by _____ Received by _____ Relinquished by _____ Received by _____		Date/Time _____ _____ _____ _____ _____ _____		Shipping Details Method of Shipment: FedEx On Ice: ☒ yes / no Airbill No: _____ Lab Name: Vista Analytical Laboratory Lab Phone: (916) 673-1520		ATTN: Sample Custody and Martha Maier		Special Instructions: Report Copy to Heather.Perry@CH2M.com (530) 229-3276 x33276	

Sample Log-in Checklist

 Vista Work Order #: 1701943 TAT 14

Samples Arrival:	Date/Time 12/13/17 0928	Initials: WJS	Location: WR-2 Shelf/Rack: N/A
Logged In:	Date/Time 12/13/17 1409	Initials: VPSB	Location: WR-2 Shelf/Rack: A4
Delivered By:	☒ FedEx	☐ UPS	☐ On Trac
	☐ GSO	☐ DHL	☐ Hand Delivered
Preservation:	☒ Ice	☐ Blue Ice	☐ Dry Ice
	☐ None		
Temp °C: 3.0 (uncorrected)	Time: 0935		Thermometer ID: IR-1
Temp °C: 3.1 (corrected)	Probe used: Yes ☐ No ☒		

	YES	NO	NA
Adequate Sample Volume Received?	☒		
Holding Time Acceptable?	☒		
Shipping Container(s) Intact?	☒		
Shipping Custody Seals Intact?	☒		
Shipping Documentation Present?	☒		
Airbill	☒		
Trk # 7888 7928 0083			
Sample Container Intact?			☒
Sample Custody Seals Intact?			☒
Chain of Custody / Sample Documentation Present?	☒		
COC Anomaly/Sample Acceptance Form completed?		☒	☒
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			☒
Preservation Documented:	☐ Na ₂ S ₂ O ₃	☐ Trizma	☒ None
	☒ Yes	☐ No	☒ NA
Shipping Container	☒ Vista	☐ Client	☒ Retain
	☐ Return	☐ Dispose	

Comments:

EXTRACTION INFORMATION

Process Sheet
Workorder: **1701943**

Prep Expiration: 2017-Dec-25
Client: CH2M Hill

Workorder Due: 29-Dec-17 00:00

TAT: 16

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

Prep Batch: B7L0171

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

Prep Data Entered: KC 12/26/17
Date and Initials

Initial Sequence: 57L0095

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701943-01	A	☒	☒	WI-A06-6-S-04-1217		WR-2 A-4	HDPE Bottle, 125 mL
1701943-03		☒	☒	WI-A06-6-S-19-1217		WR-2 A-4	HDPE Bottle, 125 mL
1701943-05		☒	☒	WI-A06-6-S-19P-1217		WR-2 A-4	HDPE Bottle, 125 mL
1701943-07		☒	☒	WI-A06-6-S-31-1217		WR-2 A-4	HDPE Bottle, 125 mL
1701943-09		☒	☒	WI-A06-EB07-121117		WR-2 A-4	HDPE Bottle, 125 mL
1701943-11		☒	☒	WI-A06-6-S-08-1217		WR-2 A-4	HDPE Bottle, 125 mL
1701943-13		☒	☒	WI-A06-EB08-121217		WR-2 A-4	HDPE Bottle, 125 mL

Pre-Prep Check Out: HB 12/21/17
Pre-Prep Check In: NA
HC 12-21-17

Prep Check Out: MA 12/22/17
Prep Check In: NA

Prep Reconciled Initials/Date: HB 12/21/17
Spike Reconciled Initials/Date: MA 12/22/17
VialBoxID: Ghost Hunter Hector

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B7L0171

Chemist: Hz

Prep Date/Time: 21-Dec-17/15:23

Prepared using: LCMS - SPE Extraction-LCMS

12-22-17 1000

Hz

Date/Initials: <u>HB 12/21/17</u>		Balance ID: <u>HRM-9</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
☐	B7L0171-BLK1	5	2	0	3	NA	NA	(0.250)	✓ Hz MA 12-22-17	MA 12-22-17	Hz GEB 12-22-17
☐	B7L0171-BS1	5	2	0	3	↓	↓	(0.250)	✓		
☒	B7L0171-MS1 1701929-03	6	2	0	3	280.05	27.88	0.25217			
☒	B7L0171-MSD1 1701929-03	6	2	0	3	292.21	27.81	0.26440			
☐	1701929-01	4	2	0	3	288.57	27.72	0.26085			
☐	1701929-02	5	2	0	3	292.93	27.62	0.26531			
☒	1701929-03	6	2	0	4	281.11	27.91	0.25320			
☒	1701929-04 (A)	6	2	0	3	281.19	27.75	0.25344			
☒	1701929-05	6	2	0	3	288.72	27.50	0.26122			
☐	1701929-06	6	2	0	3	291.46	27.81	0.26365			
☐	1701929-07 (B)	5	2	0	3	297.99	27.96	0.27003			
☐	1701929-08	5	2	0	3	298.08	27.14	0.27094			
☐	1701929-09	6	2	0	3	302.68	27.83	0.27485			
☐	1701929-10	6	2	0	4	298.23	27.89	0.27034			
☐	1701929-11	6	2	0	3	292.36	27.63	0.26473			
☐	1701929-12	6	2	0	3	290.68	27.88	0.26280	↓	↓	↓

IS: 17L0402, 10µL (V3)
 IS SUP: NA
 NS: 17J1820, 10µL (H)
 RS: 17K2502, 10µL (V1)

SPE Chem: Stratex 33µm 200mg/6mL
 Ele SOLV: 0.5% NH₄OH in MeOH/meth
 Final Volume(s): 1mL

Notes: (A) sample was foamy. HB 12/21/17
 (B) Sample was lost to SPE. Required full vacuum MA 12/22/17

Comments: Assume 1 g = 1 mL

Cen = Centrifuged
 WORK ORDER 1701943

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B7L0171

Chemist: HC

Prep Date/Time: 21-Dec-17 15:23

12-22-17 1060

HC

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: HB 12/21/17				Balance ID: F1201-9					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	1701943-01	6	2	0	3	152.02	27.02	0.12500	HC MA 12-22-17	MA 12-22-17	HC GRB 12-22-17
☐	1701943-03	6	2	0	2	147.56	26.94	0.12062	T	↓	T
☐	1701943-05	6	2	0	2	146.97	27.00	0.11997			
☐	1701943-07	6	2	0	2	150.90	26.84	0.12406			
☐	1701943-09	5	2	0	2	147.66	27.09	0.12057			
☐	1701943-11	6	2	0	3	150.36	26.81	0.12355			
☐	1701943-13	5	2	0	2	149.71	27.16	0.12255	↓	↓	↓

IS: <u>1720402, 10pl (V3)</u> IS SUP: <u>NA</u> NS: <u>1751820, 10pl (V4)</u> RS: <u>1742502, 10pl (V1)</u>	SPE Chem: <u>Strata-X 33um 200mg/6ml</u> Ele SOLV: <u>0.5% NH4OH in MeOH/MeOH</u> Final Volume(s): <u>1ml</u>	Notes:

Comments: Assume 1 g = 1 mL

Cen = Centrifuged
Work Order 1701943

Batch: B7L0171

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701929-01	0.26085 ✓	NA	NA	1000	22-Dec-17 10:00	MA			Blank Water	537M PFAS DOD (LOQ as
1701929-02	0.26531 ✓	T	T	1000	22-Dec-17 10:00	MA			Blank Water	537M PFAS DOD (LOQ as
1701929-03	0.2532 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-04	0.25344 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-05	0.26122 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-06	0.26365 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-07	0.27003 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-08	0.27094 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-09	0.27485 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-10	27034 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-11	0.26473 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701929-12	0.2628 ✓			1000	22-Dec-17 10:00	MA			Groundwater	537M PFAS DOD (LOQ as
1701943-01	0.125 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-03	0.12062 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-05	0.11997 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-07	0.12406 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-09	0.12057 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-11	0.12355 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
1701943-13	0.12255 ✓			1000	22-Dec-17 10:00	MA			Water	537M PFAS DOD (LOQ as
B7L0171-BLK1	0.25 ✓			1000	22-Dec-17 10:00	MA				QC
B7L0171-BS1	0.25 ✓			1000	22-Dec-17 10:00	MA	17J1820 ✓	10 ✓		QC
B7L0171-MS1	0.25217 ✓			1000	22-Dec-17 10:00	MA	17J1820 ✓	10 ✓		QC
B7L0171-MSD1	0.2644 ✓			1000	22-Dec-17 10:00	MA	17J1820 ✓	10 ✓		QC

KC 12/26/17

SAMPLE DATA – MODIFIED EPA METHOD 537

Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:16 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.29e3	0.250		2.70				
2	4 PFHxA	313.2 > 268.9		2.71e3	0.250		3.12				
3	5 PFHpA	363.0 > 318.9		6.40e3	0.250		3.75				
4	6 L-PFHxS	398.9 > 79.6	2.27e0	9.42e2	0.250		3.85	3.91	0.0302	0.2810	
5	9 L-PFOA	413 > 368.7	2.08e2	9.80e3	0.250		4.25	4.26	0.265		
6	12 PFNA	463.0 > 418.8		9.59e3	0.250		4.70				
7	14 L-PFOS	499 > 79.9		2.46e3	0.250		4.75				
8	16 PFDA	513 > 468.8		6.82e3	0.250		5.05				
9	18 N-MeFOSAA	570.1 > 419		2.93e3	0.250		5.20				
10	19 N-EtFOSAA	584.2 > 419		3.57e3	0.250		5.42				
11	20 PFUdA	563.0 > 518.9		8.79e3	0.250		5.35				
12	22 PFDoA	612.9 > 569.0		7.14e3	0.250		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		7.14e3	0.250		5.95				
2	25 PFTeDA	712.9 > 668.8		2.52e3	0.250		6.16				
3	33 13C3-PFBS	302. > 98.8	1.29e3	1.05e4	0.250	0.103	2.70	2.65	1.53	59.4779	119.0
4	34 13C2-PFHxA	315 > 269.8	2.71e3	1.05e4	0.250	0.619	3.20	3.14	3.22	20.7991	104.0
5	35 13C4-PFHpA	367.2 > 321.8	6.40e3	1.05e4	0.250	0.634	3.80	3.75	7.61	48.0281	96.1
6	36 18O2-PFHxS	403.0 > 102.6	9.42e2	2.51e3	0.250	0.320	3.95	3.89	4.69	58.7050	117.4
7	37 13C2-6:2 FTS	429.1 > 408.9	2.26e3	9.22e3	0.250	0.244	4.26	4.21	3.07	50.2472	100.5
8	38 13C2-PFOA	414.9 > 369.7	9.80e3	9.22e3	0.250	1.046	4.32	4.26	13.3	50.8113	101.6
9	39 13C5-PFNA	468.2 > 422.9	9.59e3	1.12e4	0.250	0.838	4.75	4.69	10.7	51.0485	102.1
10	40 13C8-PFOSA	506.1 > 77.7	1.25e3	1.26e4	0.250	0.162	4.81	4.76	1.24	30.5784	61.2
11	41 13C8-PFOS	507.0 > 79.9	2.46e3	2.20e3	0.250	0.863	4.83	4.77	14.0	64.7302	129.5
12	42 13C2-PFDA	515.1 > 469.9	6.82e3	9.44e3	0.250	0.828	5.11	5.06	9.04	43.6402	87.3
13	43 13C2-8:2 FTS	529.1 > 508.7	1.62e3	1.05e4	0.250	0.139	5.09	5.03	1.93	55.5672	111.1
14	44 d3-N-MeFOSAA	573.3 > 419	2.93e3	1.26e4	0.250	0.306	5.26	5.21	2.91	38.0193	76.0
15	45 d5-N-EtFOSAA	589.3 > 419	3.57e3	1.26e4	0.250	0.346	5.42	5.36	3.54	40.9494	81.9
16	46 13C2-PFUdA	565 > 519.8	8.79e3	1.26e4	0.250	0.842	5.43	5.38	8.72	41.4086	82.8
17	47 13C2-PFDoA	615.0 > 569.7	7.14e3	1.26e4	0.250	0.714	5.70	5.66	7.08	39.6860	79.4
18	49 13C2-PFTeDA	714.8 > 669.6	2.52e3	1.26e4	0.250	0.236	6.16	6.12	2.50	42.2733	84.5
19	55 13C5-PFHxA	318 > 272.9	1.05e4	1.05e4	0.250	1.000	3.20	3.14	12.5	50.0000	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.51e3	2.51e3	0.250	1.000	3.95	3.90	12.5	50.0000	100.0
21	57 13C8-PFOA	421.3 > 376	9.22e3	9.22e3	0.250	1.000	4.32	4.26	12.5	50.0000	100.0
22	58 13C9-PFNA	472.2 > 426.9	1.12e4	1.12e4	0.250	1.000	4.75	4.69	12.5	50.0000	100.0
23	59 13C4-PFOS	503 > 79.9	2.20e3	2.20e3	0.250	1.000	4.83	4.78	12.5	50.0000	100.0
24	60 13C6-PFDA	519.1 > 473.7	9.44e3	9.44e3	0.250	1.000	5.11	5.06	12.5	50.0000	100.0
25	61 13C7-PFUdA	570.1 > 524.8	1.26e4	1.26e4	0.250	1.000	5.43	5.38	12.5	50.0000	100.0
26	62 Total PFHxS	398.9 > 79.6	2.27e0	9.42e2	0.250		4.00		0.0302	0.2810	
27	63 Total PFOA	413 > 368.7	2.08e2	9.80e3	0.250		4.30		0.000		
28	64 Total PFOS	499 > 79.9	0.00e0	2.46e3	0.250		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	2.93e3	0.250		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	3.57e3	0.250		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

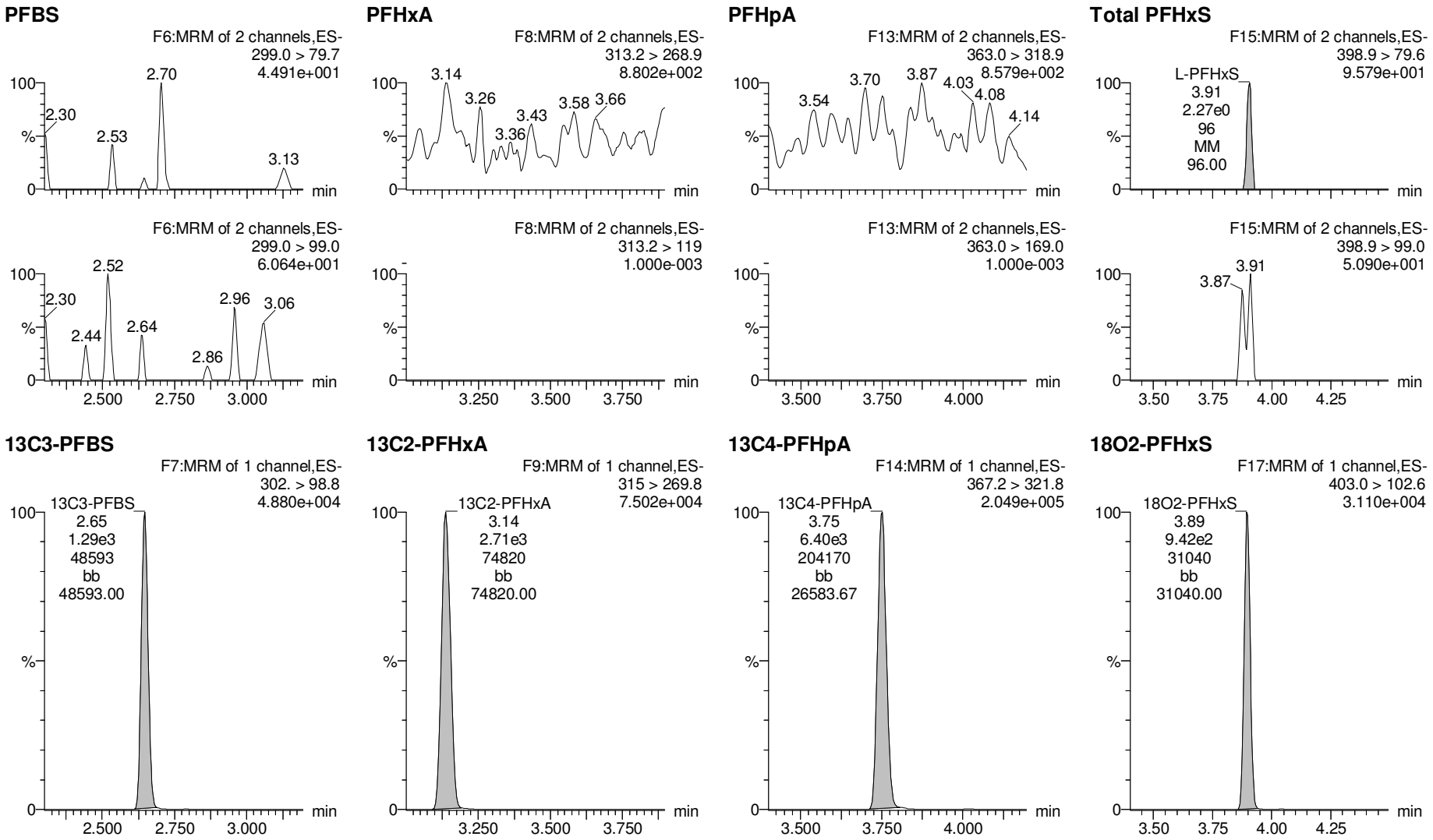
Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

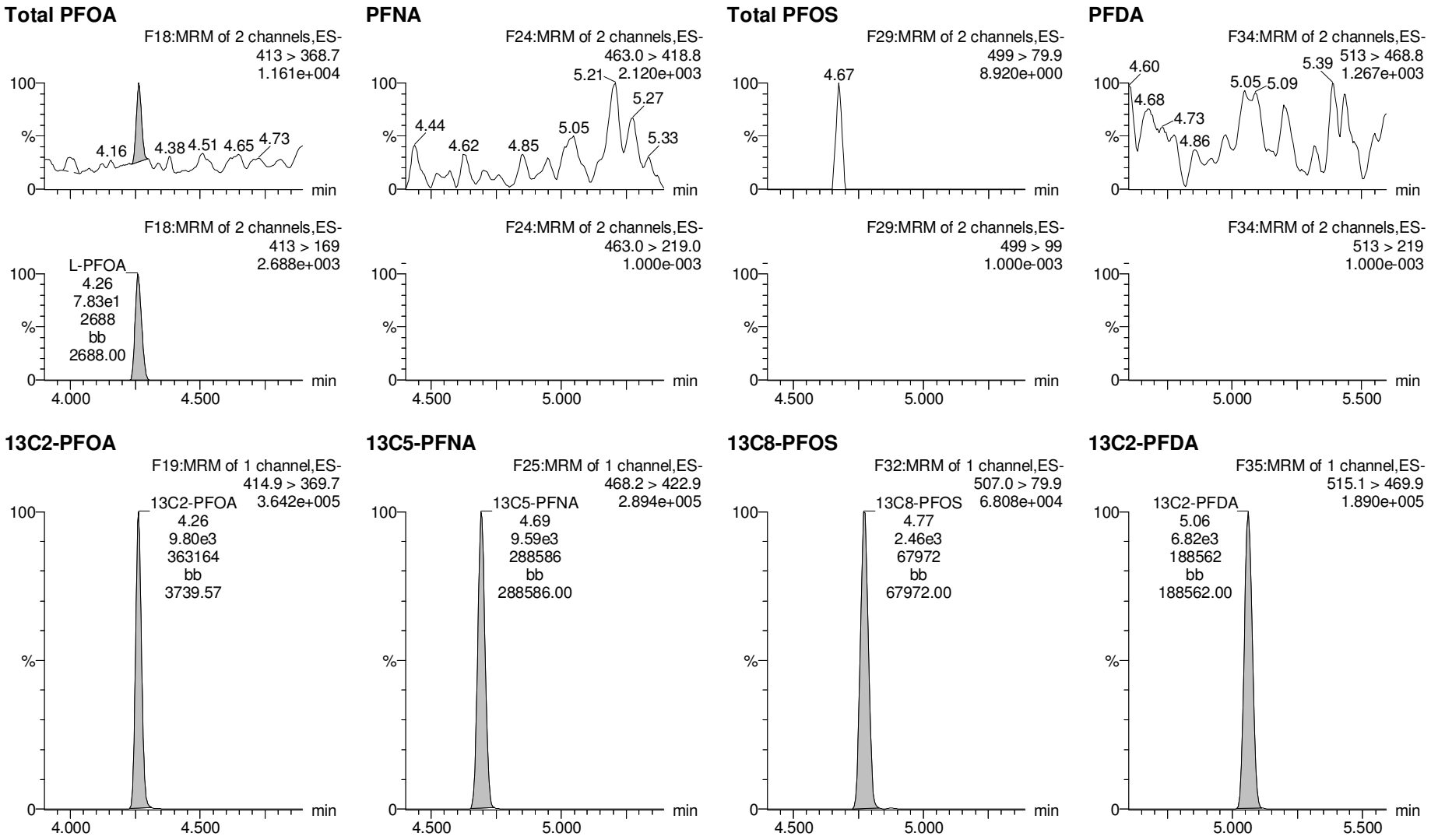


Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

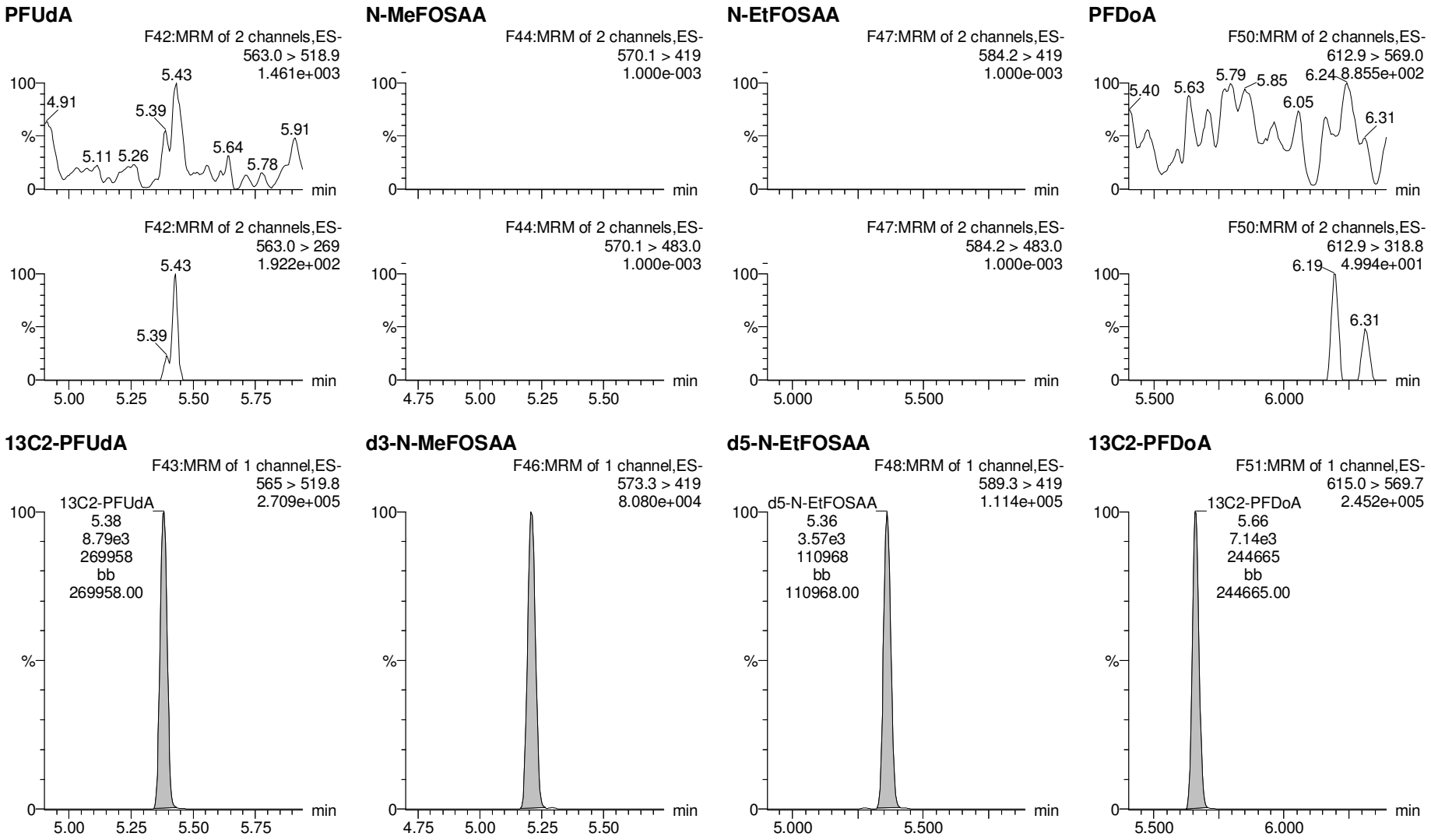


Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank



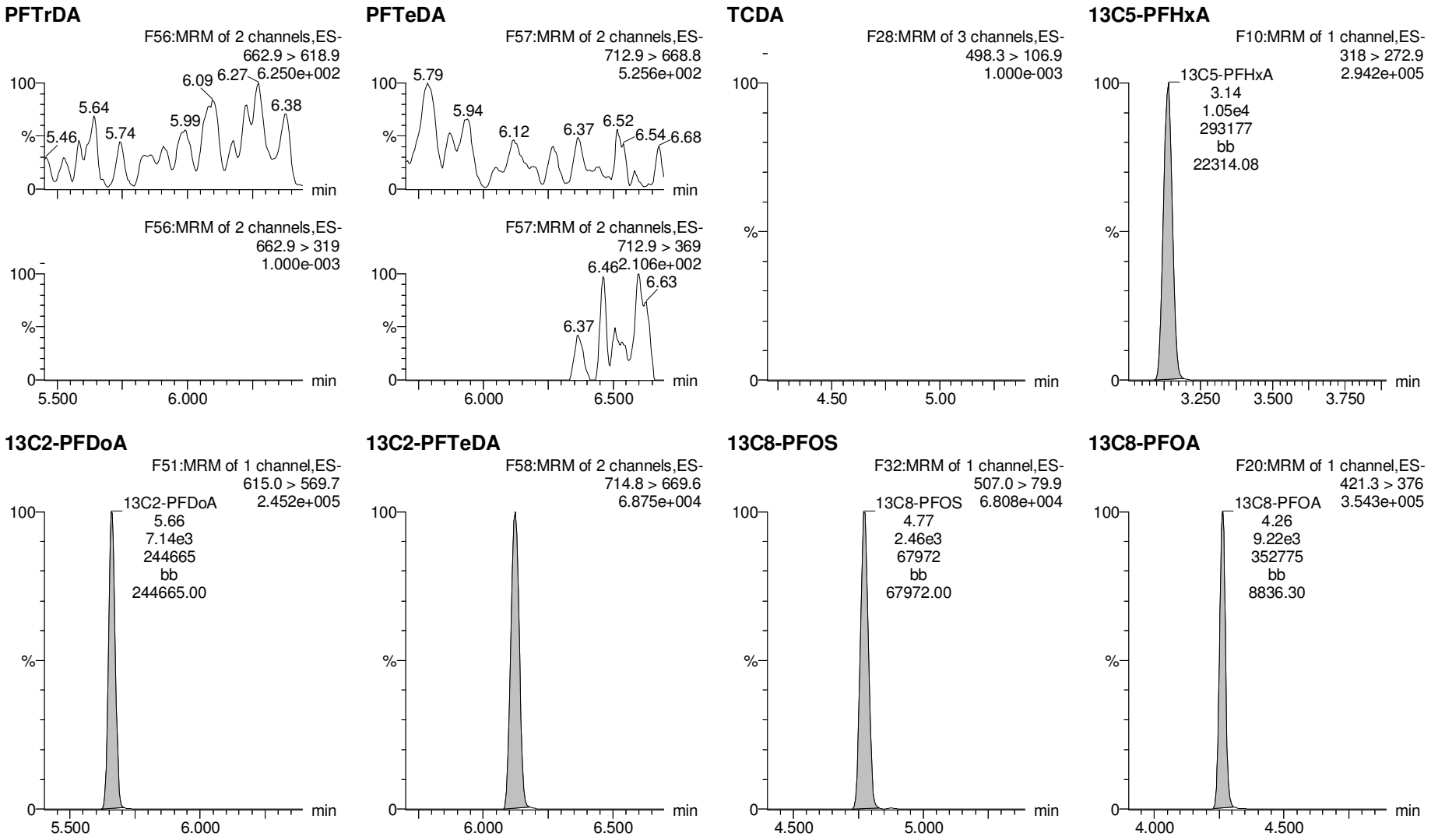
Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Rev'd: MM 1/3/18

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank



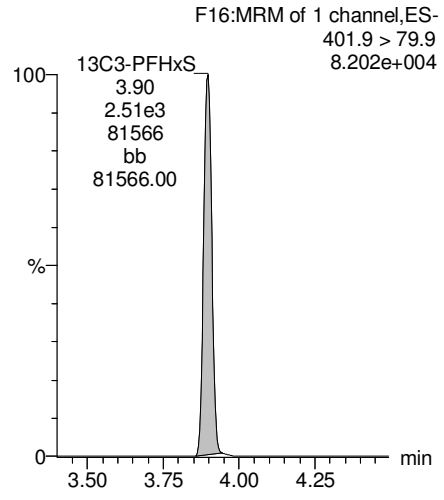
Dataset: U:\Q4.PRO\results\171231M1\171231M1-6.qld

Last Altered: Wednesday, January 03, 2018 08:34:23 Pacific Standard Time

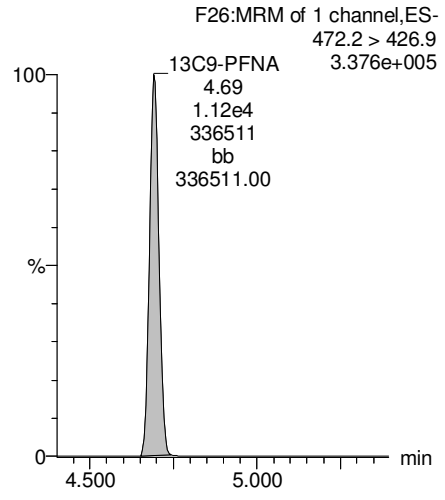
Printed: Wednesday, January 03, 2018 08:35:34 Pacific Standard Time

Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

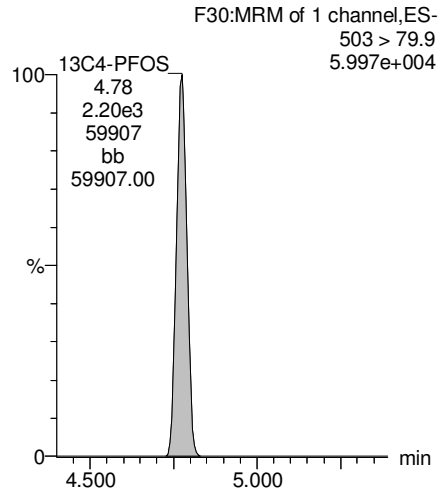
13C3-PFHxS



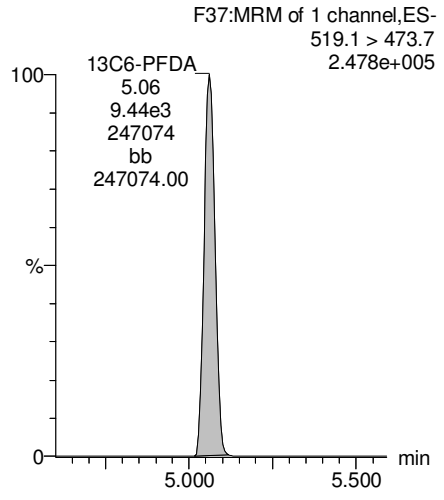
13C9-PFNA



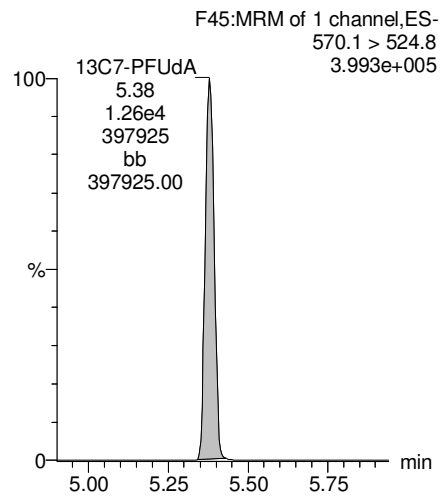
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:23 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	2.10e3	1.14e3	0.250		2.70	2.64	23.0	41.7860	104.5
2	4	PFHxA	313.2 > 268.9	1.05e4	2.87e3	0.250		3.12	3.14	18.2	37.4254	93.6
3	5	PFHpA	363.0 > 318.9	8.37e3	7.19e3	0.250		3.75	3.75	14.6	38.0315	95.1
4	6	L-PFHxS	398.9 > 79.6	1.53e3	9.79e2	0.250		3.85	3.89	19.6	38.0124	95.0
5	9	L-PFOA	413 > 368.7	9.70e3	1.03e4	0.250		4.25	4.26	11.8	41.8583	104.6
6	12	PFNA	463.0 > 418.8	8.79e3	7.66e3	0.250		4.70	4.69	14.3	33.9292	84.8
7	14	L-PFOS	499 > 79.9	2.24e3	2.11e3	0.250		4.75	4.77	13.3	41.7596	104.4
8	16	PFDA	513 > 468.8	7.76e3	7.31e3	0.250		5.05	5.06	13.3	32.1867	80.5
9	18	N-MeFOSAA	570.1 > 419	3.36e3	2.96e3	0.250		5.20	5.21	14.2	35.5270	88.8
10	19	N-EtFOSAA	584.2 > 419	3.84e3	3.26e3	0.250		5.42	5.37	14.7	44.8871	112.2
11	20	PFUdA	563.0 > 518.9	9.20e3	8.77e3	0.250		5.35	5.38	13.1	45.5558	113.9
12	22	PFDoA	612.9 > 569.0	8.67e3	6.64e3	0.250		5.70	5.66	16.3	42.8288	107.1

Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTeDA	662.9 > 618.9	9.10e3	6.64e3	0.250		5.95	5.90	17.1	47.7670	119.4
2	25 PFTeDA	712.9 > 668.8	5.50e3	2.31e3	0.250		6.16	6.12	29.8	43.0952	107.7
3	33 13C3-PFBS	302. > 98.8	1.14e3	1.02e4	0.250	0.103	2.70	2.64	1.40	54.2116	108.4
4	34 13C2-PFHxA	315 > 269.8	2.87e3	1.02e4	0.250	0.619	3.20	3.14	3.52	22.7833	113.9
5	35 13C4-PFHpA	367.2 > 321.8	7.19e3	1.02e4	0.250	0.634	3.80	3.75	8.83	55.7156	111.4
6	36 18O2-PFHxS	403.0 > 102.6	9.79e2	2.66e3	0.250	0.320	3.95	3.89	4.59	57.4995	115.0
7	37 13C2-6:2 FTS	429.1 > 408.9	2.58e3	8.28e3	0.250	0.244	4.26	4.21	3.89	63.8401	127.7
8	38 13C2-PFOA	414.9 > 369.7	1.03e4	8.28e3	0.250	1.046	4.32	4.26	15.5	59.4093	118.8
9	39 13C5-PFNA	468.2 > 422.9	7.66e3	8.58e3	0.250	0.838	4.75	4.69	11.2	53.3066	106.6
10	40 13C8-PFOSA	506.1 > 77.7	1.29e3	1.22e4	0.250	0.162	4.81	4.76	1.32	32.5852	65.2
11	41 13C8-PFOS	507.0 > 79.9	2.11e3	2.51e3	0.250	0.863	4.83	4.77	10.5	48.6785	97.4
12	42 13C2-PFDA	515.1 > 469.9	7.31e3	8.90e3	0.250	0.828	5.11	5.06	10.3	49.5821	99.2
13	43 13C2-8:2 FTS	529.1 > 508.7	1.87e3	1.02e4	0.250	0.139	5.09	5.03	2.29	65.9360	131.9
14	44 d3-N-MeFOSAA	573.3 > 419	2.96e3	1.22e4	0.250	0.306	5.26	5.21	3.04	39.6755	79.4
15	45 d5-N-EtFOSAA	589.3 > 419	3.26e3	1.22e4	0.250	0.346	5.42	5.36	3.34	38.5412	77.1
16	46 13C2-PFUdA	565 > 519.8	8.77e3	1.22e4	0.250	0.842	5.43	5.38	8.98	42.6671	85.3
17	47 13C2-PFDoA	615.0 > 569.7	6.64e3	1.22e4	0.250	0.714	5.70	5.66	6.80	38.0964	76.2
18	49 13C2-PFTeDA	714.8 > 669.6	2.31e3	1.22e4	0.250	0.236	6.16	6.12	2.36	39.9679	79.9
19	55 13C5-PFHxA	318 > 272.9	1.02e4	1.02e4	0.250	1.000	3.20	3.13	12.5	50.0000	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.66e3	2.66e3	0.250	1.000	3.95	3.89	12.5	50.0000	100.0
21	57 13C8-PFOA	421.3 > 376	8.28e3	8.28e3	0.250	1.000	4.32	4.26	12.5	50.0000	100.0
22	58 13C9-PFNA	472.2 > 426.9	8.58e3	8.58e3	0.250	1.000	4.75	4.69	12.5	50.0000	100.0
23	59 13C4-PFOS	503 > 79.9	2.51e3	2.51e3	0.250	1.000	4.83	4.77	12.5	50.0000	100.0
24	60 13C6-PFDA	519.1 > 473.7	8.90e3	8.90e3	0.250	1.000	5.11	5.06	12.5	50.0000	100.0
25	61 13C7-PFUdA	570.1 > 524.8	1.22e4	1.22e4	0.250	1.000	5.43	5.38	12.5	50.0000	100.0
26	62 Total PFHxS	398.9 > 79.6	1.53e3	9.79e2	0.250		4.00		19.6	38.0124	
27	63 Total PFOA	413 > 368.7	9.70e3	1.03e4	0.250		4.30		11.8	41.8583	
28	64 Total PFOS	499 > 79.9	2.24e3	2.11e3	0.250		4.80		13.3	41.7596	
29	65 Total N-MeFOSAA	570.1 > 419	3.36e3	2.96e3	0.250		5.20		14.2	35.5270	
30	66 Total N-EtFOSAA	584.2 > 419	3.84e3	3.26e3	0.250		5.40		14.7	44.8871	

Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

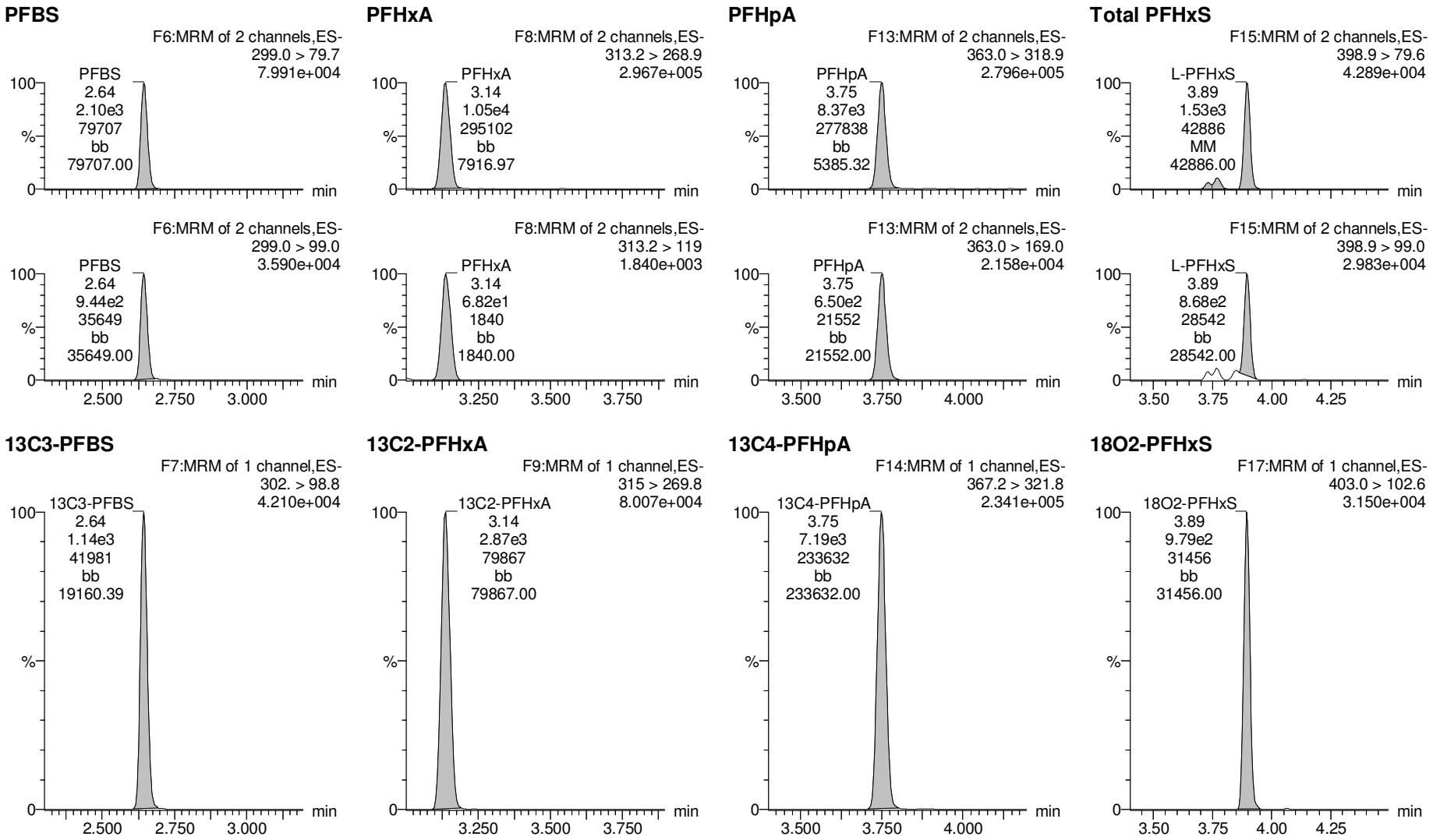
Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR



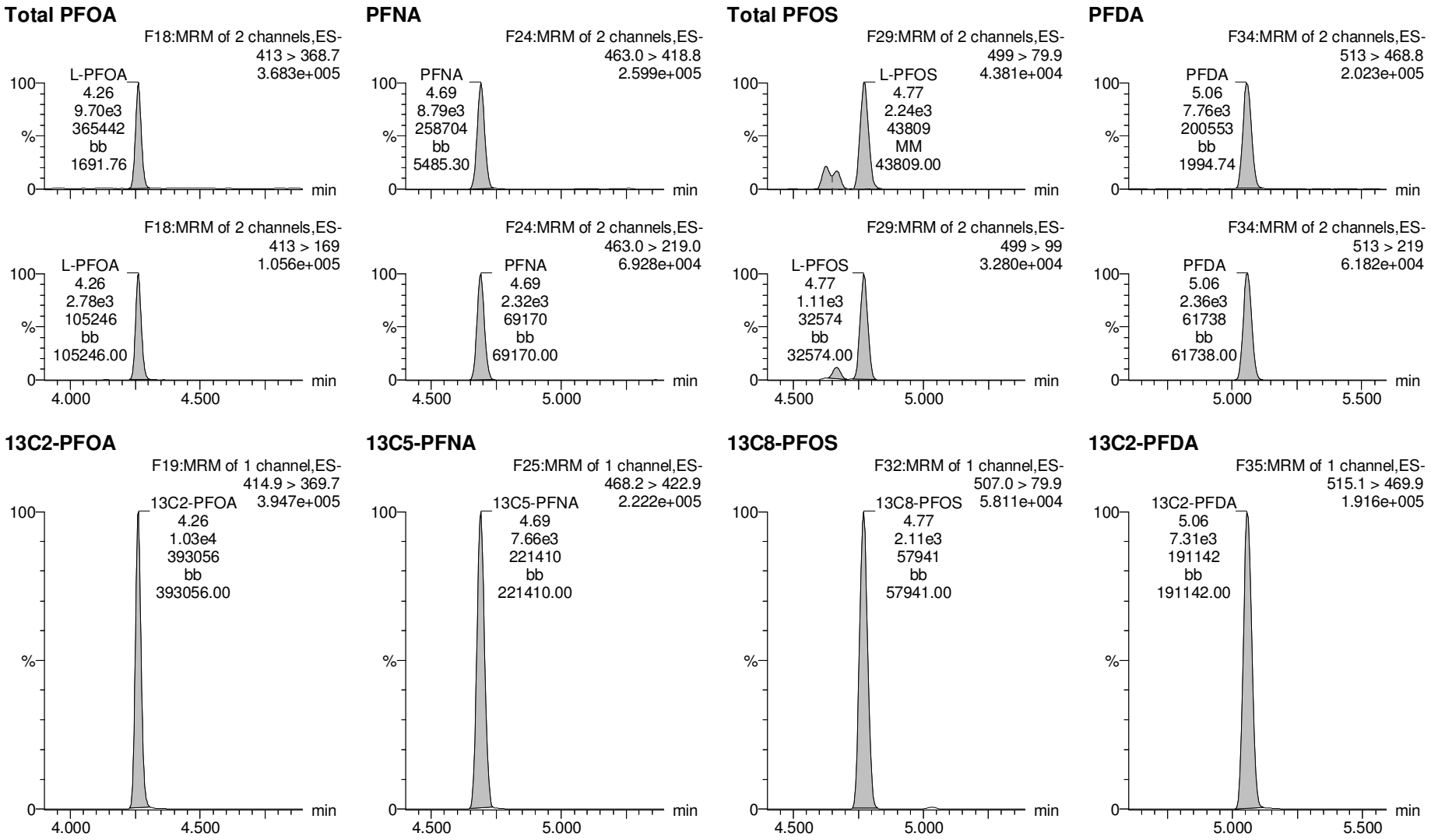
Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Rev'd: MM 1/3/18

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

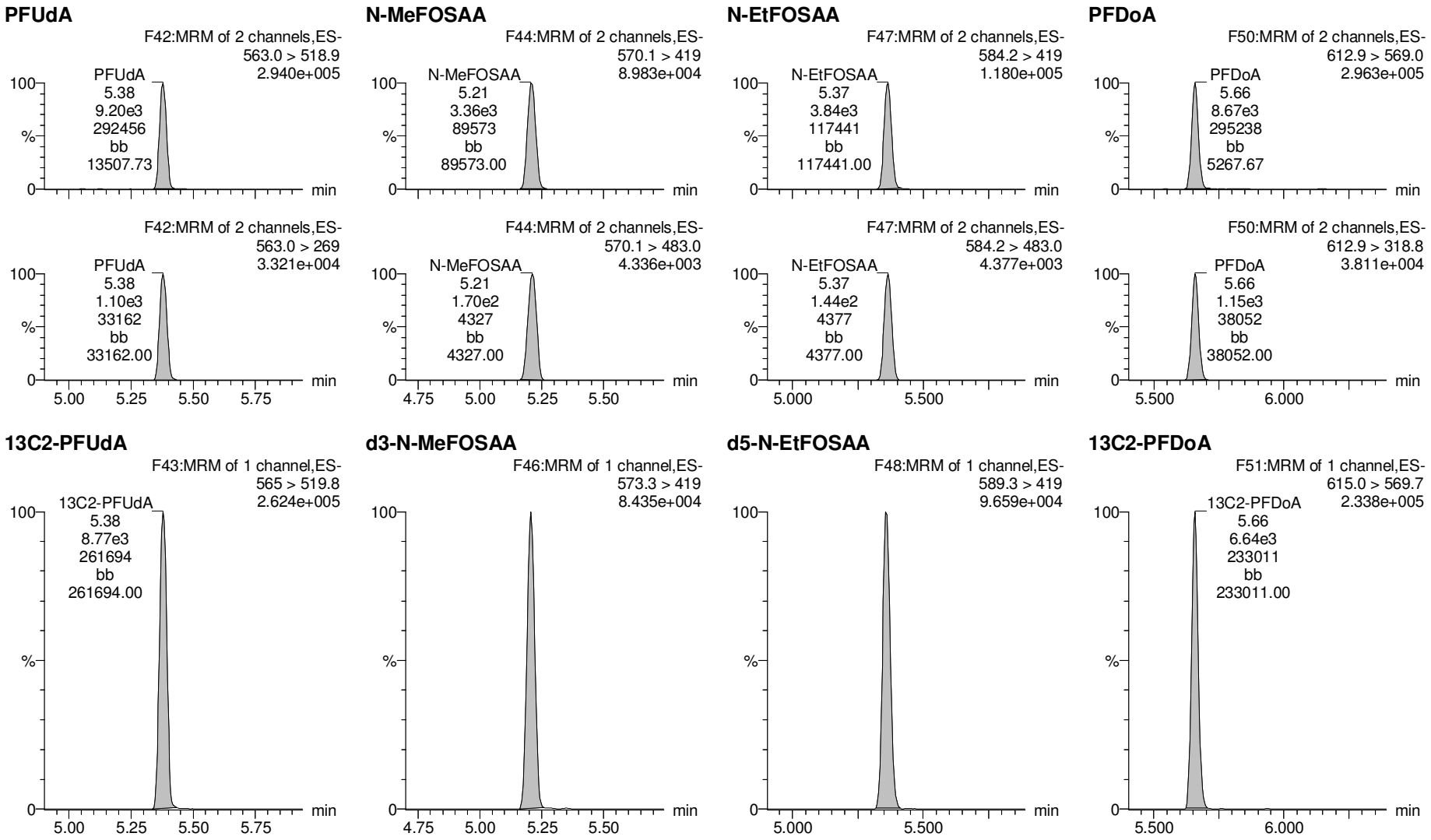


Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

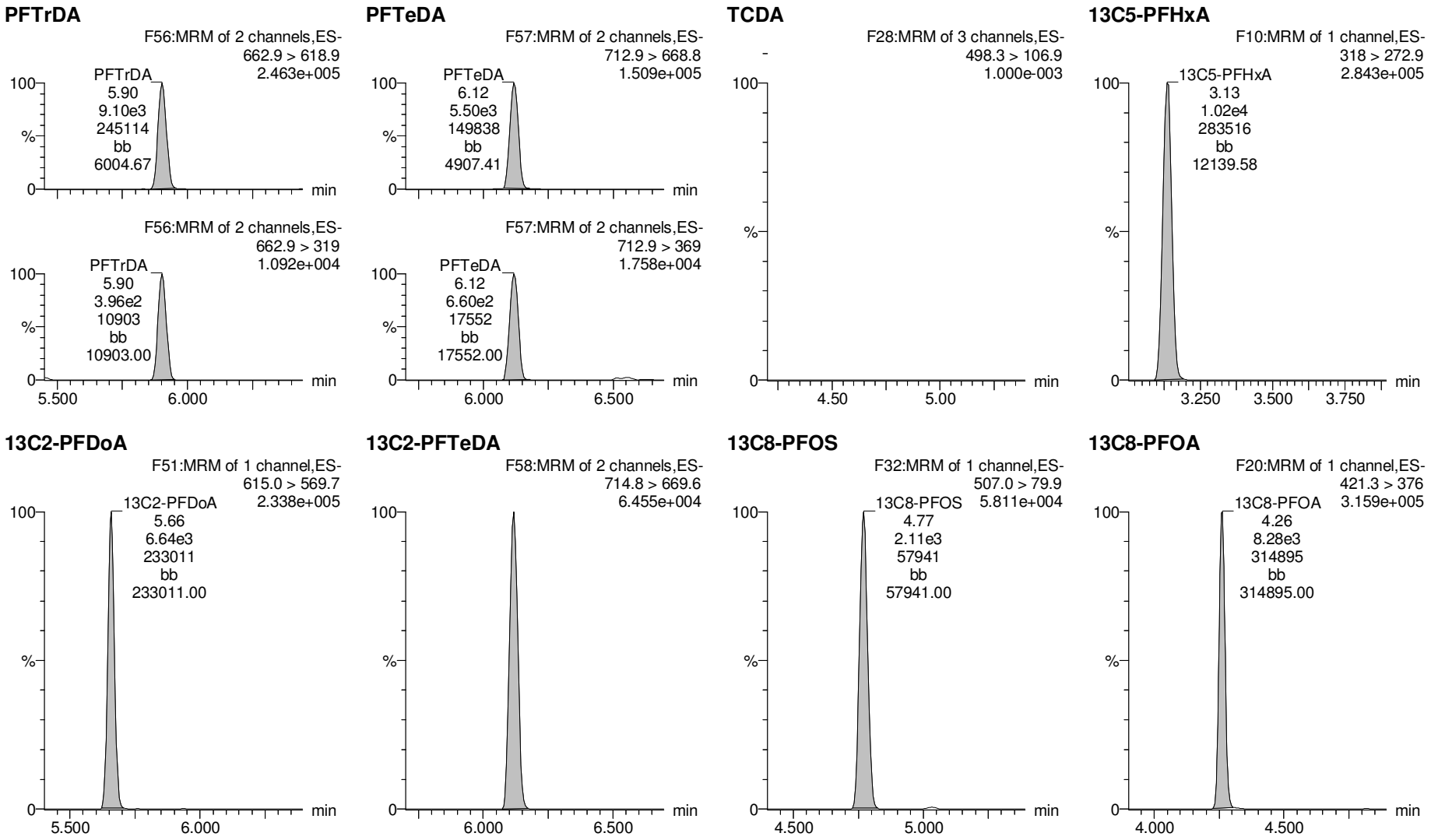


Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

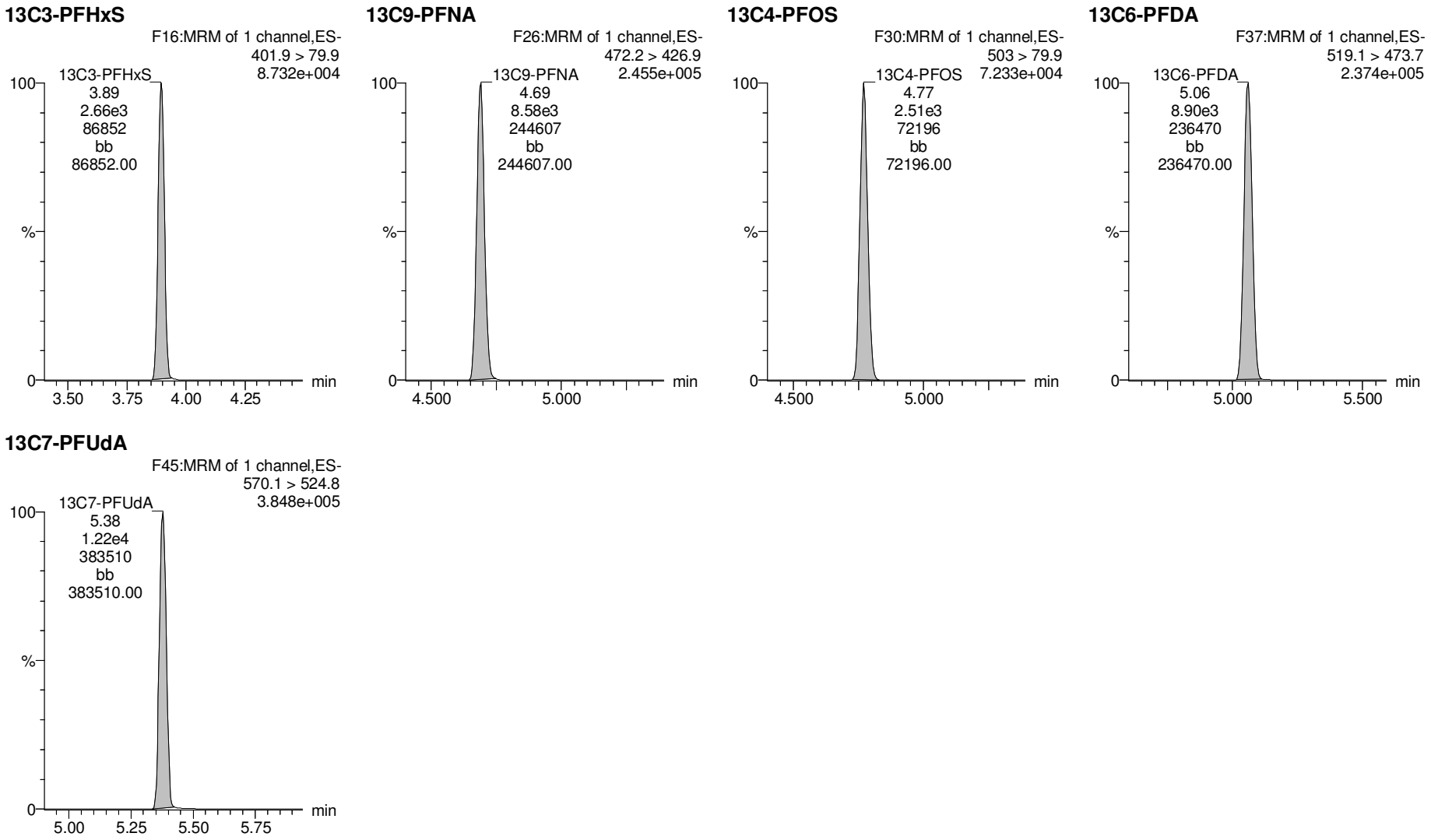


Dataset: U:\Q4.PRO\results\171231M1\171231M1-4.qld

Last Altered: Wednesday, January 03, 2018 08:24:27 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:25:40 Pacific Standard Time

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR



Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:40:52 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	2.76e1	1.22e3	0.125		2.70	2.65	0.283	1.6805	
2	4	PFHxA	313.2 > 268.9	9.43e2	2.92e3	0.125		3.12	3.14	1.61	6.8439	
3	5	PFHpA	363.0 > 318.9		7.39e3	0.125		3.75				
4	6	L-PFHxS	398.9 > 79.6	9.91e0	9.66e2	0.125		3.85	3.89	0.128	0.9407	
5	9	L-PFOA	413 > 368.7	2.38e2	1.19e4	0.125		4.25	4.27	0.250		
6	12	PFNA	463.0 > 418.8		7.50e3	0.125		4.70				
7	14	L-PFOS	499 > 79.9		2.44e3	0.125		4.75				
8	16	PFDA	513 > 468.8		9.53e3	0.125		5.05				
9	18	N-MeFOSAA	570.1 > 419		4.09e3	0.125		5.20				
10	19	N-EtFOSAA	584.2 > 419		4.88e3	0.125		5.42				
11	20	PFUdA	563.0 > 518.9		1.01e4	0.125		5.35				
12	22	PFDoA	612.9 > 569.0		7.19e3	0.125		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		7.19e3	0.125		5.95				
2	25 PFTeDA	712.9 > 668.8		2.57e3	0.125		6.16				
3	33 13C3-PFBS	302. > 98.8	1.22e3	9.76e3	0.125	0.103	2.70	2.65	1.56	120.9227	120.9
4	34 13C2-PFHxA	315 > 269.8	2.92e3	9.76e3	0.125	0.619	3.20	3.14	3.74	48.3747	120.9
5	35 13C4-PFHpA	367.2 > 321.8	7.39e3	9.76e3	0.125	0.634	3.80	3.76	9.47	119.6294	119.6
6	36 18O2-PFHxS	403.0 > 102.6	9.66e2	2.42e3	0.125	0.320	3.95	3.90	4.98	124.6697	124.7
7	37 13C2-6:2 FTS	429.1 > 408.9	2.20e3	9.05e3	0.125	0.244	4.26	4.21	3.04	99.6284	99.6
8	38 13C2-PFOA	414.9 > 369.7	1.19e4	9.05e3	0.125	1.046	4.32	4.27	16.5	126.0667	126.1
9	39 13C5-PFNA	468.2 > 422.9	7.50e3	9.00e3	0.125	0.838	4.75	4.70	10.4	99.4492	99.4
10	40 13C8-PFOSA	506.1 > 77.7	1.24e3	1.15e4	0.125	0.162	4.81	4.77	1.35	66.4695	66.5
11	41 13C8-PFOS	507.0 > 79.9	2.44e3	2.50e3	0.125	0.863	4.83	4.78	12.2	113.2141	113.2
12	42 13C2-PFDA	515.1 > 469.9	9.53e3	7.92e3	0.125	0.828	5.11	5.07	15.0	145.1844	145.2
13	43 13C2-8:2 FTS	529.1 > 508.7	1.49e3	9.76e3	0.125	0.139	5.09	5.04	1.90	109.5177	109.5
14	44 d3-N-MeFOSAA	573.3 > 419	4.09e3	1.15e4	0.125	0.306	5.26	5.21	4.44	116.0332	116.0
15	45 d5-N-EtFOSAA	589.3 > 419	4.88e3	1.15e4	0.125	0.346	5.42	5.37	5.29	122.2890	122.3
16	46 13C2-PFUdA	565 > 519.8	1.01e4	1.15e4	0.125	0.842	5.43	5.38	11.0	104.0757	104.1
17	47 13C2-PFDoA	615.0 > 569.7	7.19e3	1.15e4	0.125	0.714	5.70	5.66	7.79	87.3182	87.3
18	49 13C2-PFTeDA	714.8 > 669.6	2.57e3	1.15e4	0.125	0.236	6.16	6.12	2.78	94.2577	94.3
19	55 13C5-PFHxA	318 > 272.9	9.76e3	9.76e3	0.125	1.000	3.20	3.14	12.5	100.0000	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.42e3	2.42e3	0.125	1.000	3.95	3.90	12.5	100.0000	100.0
21	57 13C8-PFOA	421.3 > 376	9.05e3	9.05e3	0.125	1.000	4.32	4.27	12.5	100.0000	100.0
22	58 13C9-PFNA	472.2 > 426.9	9.00e3	9.00e3	0.125	1.000	4.75	4.70	12.5	100.0000	100.0
23	59 13C4-PFOS	503 > 79.9	2.50e3	2.50e3	0.125	1.000	4.83	4.78	12.5	100.0000	100.0
24	60 13C6-PFDA	519.1 > 473.7	7.92e3	7.92e3	0.125	1.000	5.11	5.07	12.5	100.0000	100.0
25	61 13C7-PFUdA	570.1 > 524.8	1.15e4	1.15e4	0.125	1.000	5.43	5.38	12.5	100.0000	100.0
26	62 Total PFHxS	398.9 > 79.6	9.91e0	9.66e2	0.125		4.00		0.128	0.9407	
27	63 Total PFOA	413 > 368.7	2.38e2	1.19e4	0.125		4.30		0.000		
28	64 Total PFOS	499 > 79.9	0.00e0	2.44e3	0.125		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	4.09e3	0.125		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.88e3	0.125		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

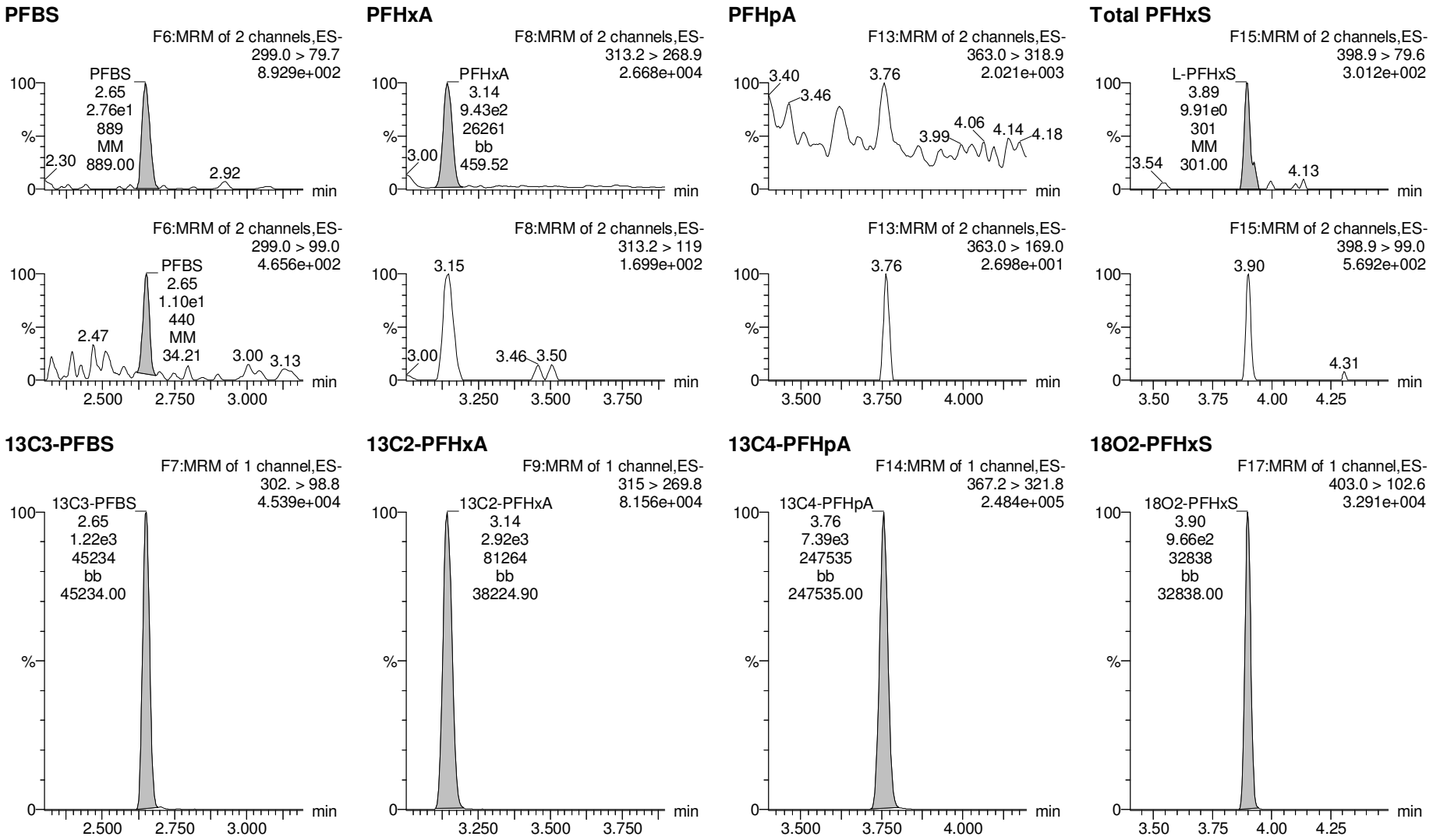
Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

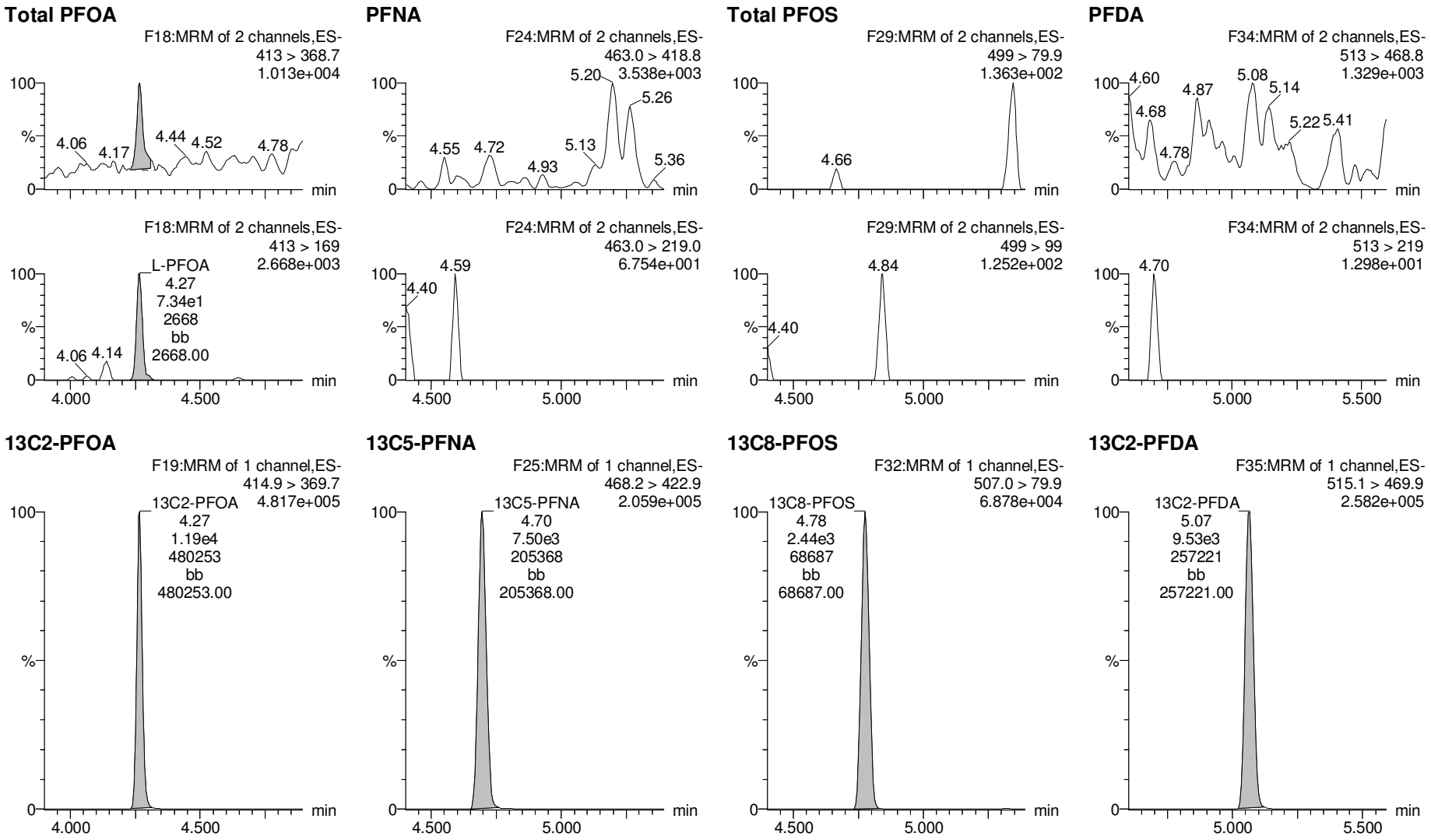


Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

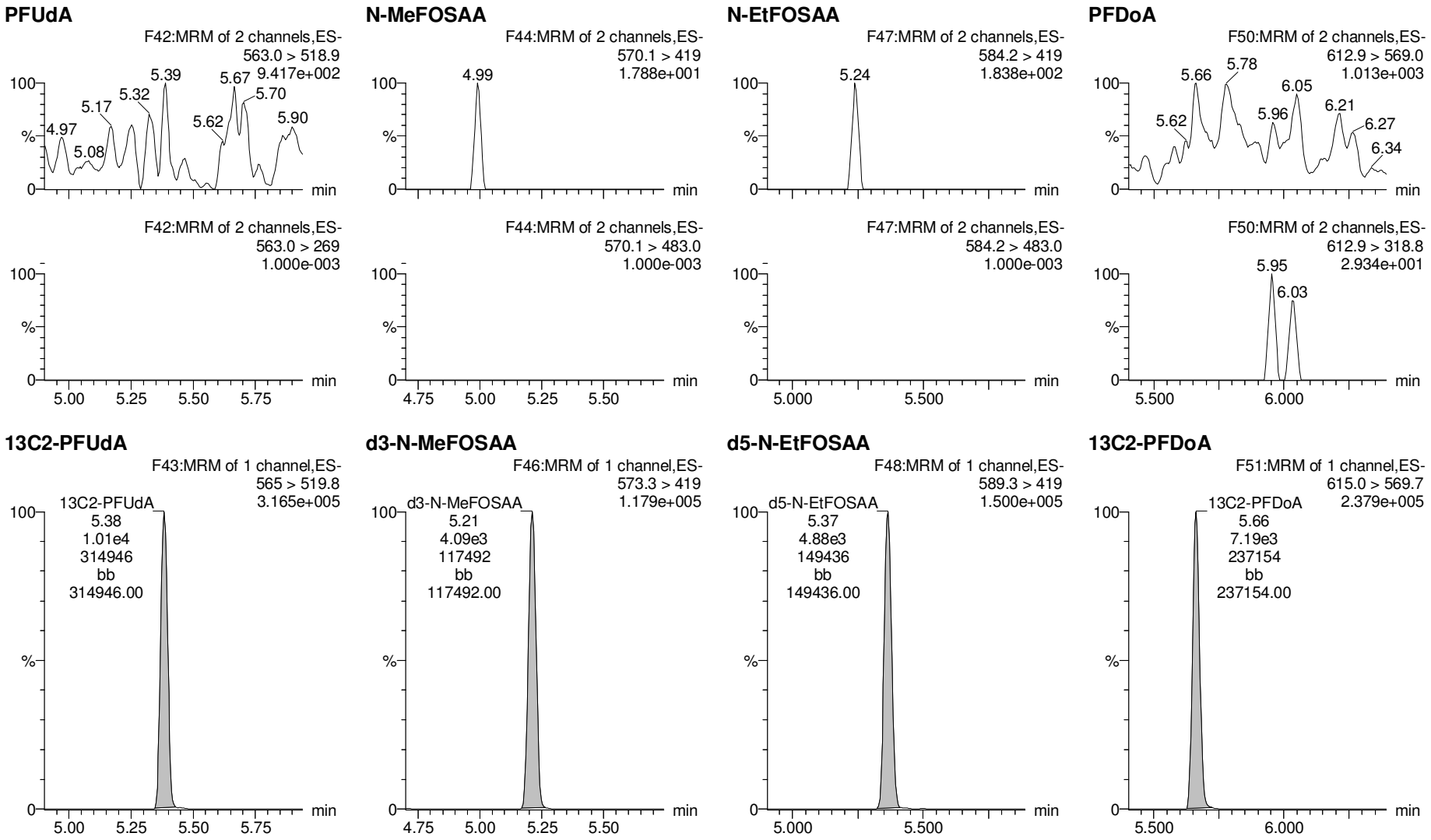


Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217



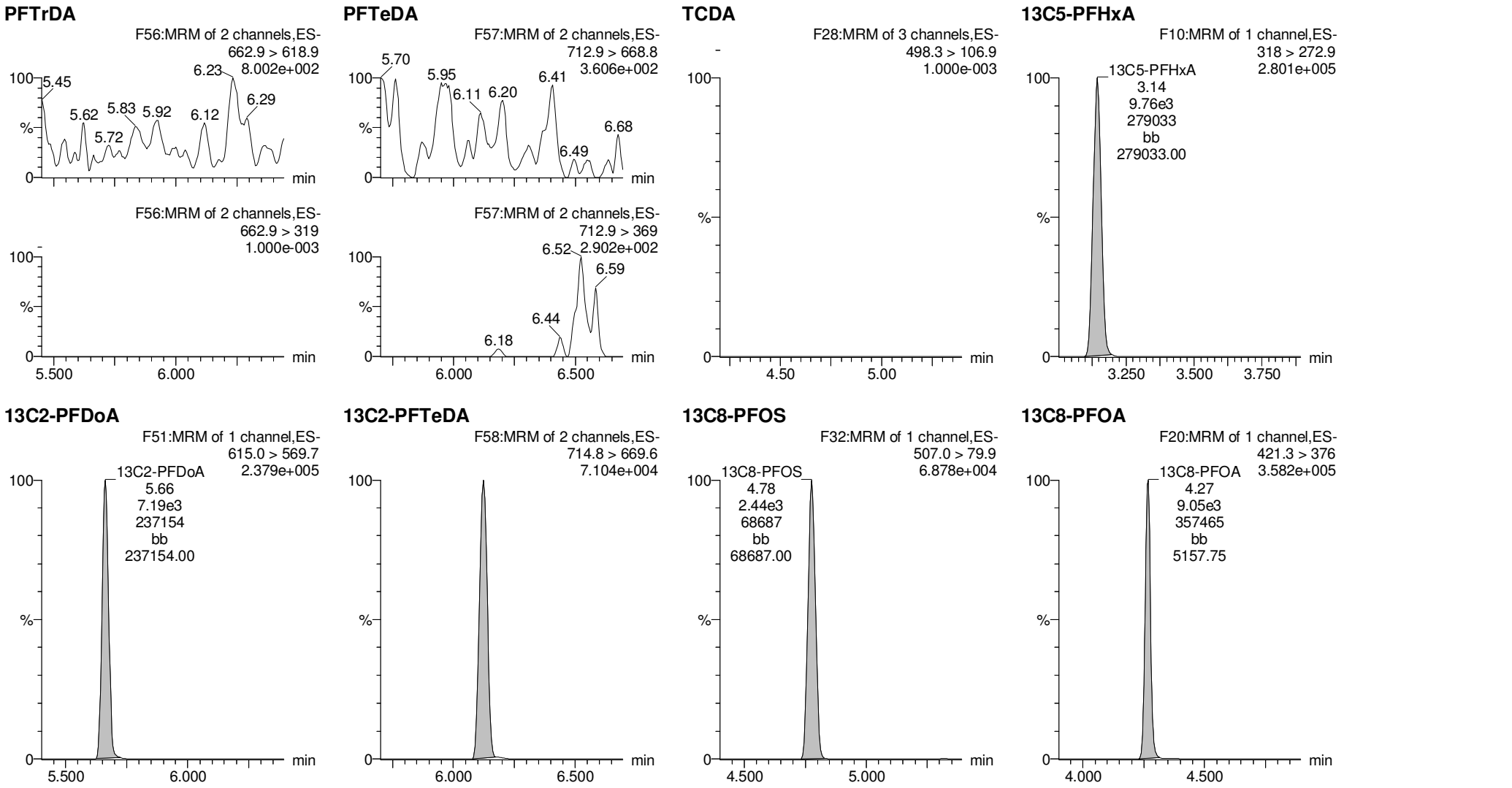
Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Rev'd: MM 1/3/18

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

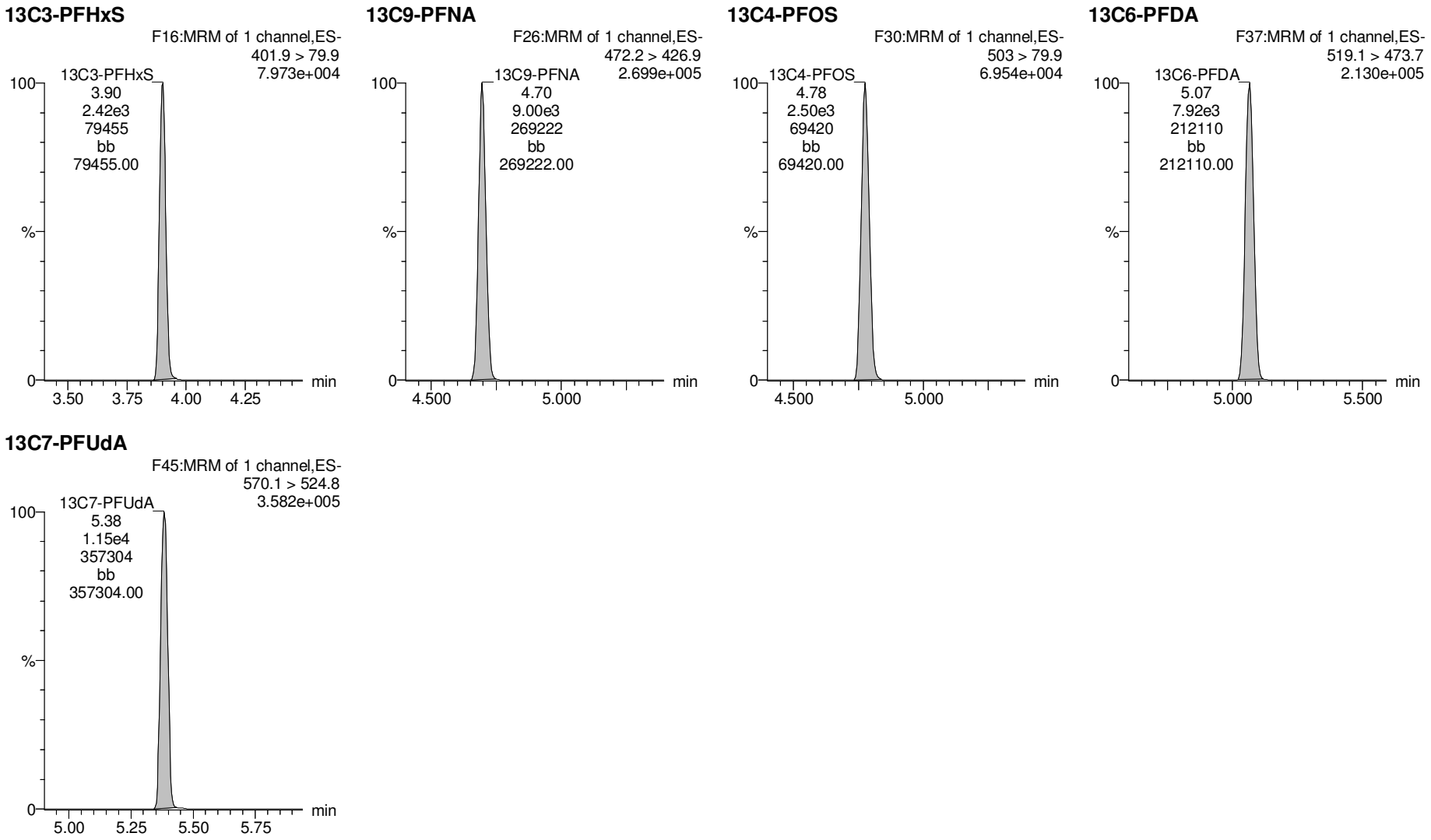


Dataset: U:\Q4.PRO\results\171231M1\171231M1-23.qld

Last Altered: Wednesday, January 03, 2018 08:40:12 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:41:09 Pacific Standard Time

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217



Dataset: U:\Q4.PRO\results\171231M1\171231M1-24.qld

Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:43:32 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7	8.30e1	1.10e3	0.121		2.70	2.65	0.946	4.2151	
2	4 PFHxA	313.2 > 268.9	2.73e3	2.69e3	0.121		3.12	3.14	5.08	21.7638	
3	5 PFHpA	363.0 > 318.9	1.13e2	6.21e3	0.121		3.75	3.76	0.227	1.6575	
4	6 L-PFHxS	398.9 > 79.6	9.40e1	8.17e2	0.121		3.85	3.90	1.44	6.2137	
5	9 L-PFOA	413 > 368.7	6.34e2	8.87e3	0.121		4.25	4.27	0.893	4.2074	
6	12 PFNA	463.0 > 418.8		8.96e3	0.121		4.70				
7	14 L-PFOS	499 > 79.9		2.40e3	0.121		4.75				
8	16 PFDA	513 > 468.8		6.65e3	0.121		5.05				
9	18 N-MeFOSAA	570.1 > 419		3.46e3	0.121		5.20				
10	19 N-EtFOSAA	584.2 > 419		3.81e3	0.121		5.42				
11	20 PFUdA	563.0 > 518.9		1.01e4	0.121		5.35				
12	22 PFDoA	612.9 > 569.0		6.51e3	0.121		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-24.qld

Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		6.51e3	0.121		5.95				
2	25 PFTeDA	712.9 > 668.8		2.25e3	0.121		6.16				
3	33 13C3-PFBS	302. > 98.8	1.10e3	8.65e3	0.121	0.103	2.70	2.66	1.59	127.5845	123.1
4	34 13C2-PFHxA	315 > 269.8	2.69e3	8.65e3	0.121	0.619	3.20	3.14	3.89	52.0671	125.6
5	35 13C4-PFHpA	367.2 > 321.8	6.21e3	8.65e3	0.121	0.634	3.80	3.76	8.98	117.4693	113.4
6	36 18O2-PFHxS	403.0 > 102.6	8.17e2	2.14e3	0.121	0.320	3.95	3.90	4.78	123.9342	119.6
7	37 13C2-6:2 FTS	429.1 > 408.9	2.31e3	7.93e3	0.121	0.244	4.26	4.21	3.64	123.7781	119.4
8	38 13C2-PFOA	414.9 > 369.7	8.87e3	7.93e3	0.121	1.046	4.32	4.27	14.0	110.7707	106.9
9	39 13C5-PFNA	468.2 > 422.9	8.96e3	8.80e3	0.121	0.838	4.75	4.70	12.7	125.8154	121.4
10	40 13C8-PFOSA	506.1 > 77.7	3.67e2	1.01e4	0.121	0.162	4.81	4.77	0.455	23.2581	22.4
11	41 13C8-PFOS	507.0 > 79.9	2.40e3	2.28e3	0.121	0.863	4.83	4.78	13.2	126.4440	122.0
12	42 13C2-PFDA	515.1 > 469.9	6.65e3	7.39e3	0.121	0.828	5.11	5.06	11.3	112.6381	108.7
13	43 13C2-8:2 FTS	529.1 > 508.7	1.25e3	8.65e3	0.121	0.139	5.09	5.03	1.80	107.4008	103.6
14	44 d3-N-MeFOSAA	573.3 > 419	3.46e3	1.01e4	0.121	0.306	5.26	5.21	4.29	116.3391	112.3
15	45 d5-N-EtFOSAA	589.3 > 419	3.81e3	1.01e4	0.121	0.346	5.42	5.37	4.73	113.2073	109.2
16	46 13C2-PFUDa	565 > 519.8	1.01e4	1.01e4	0.121	0.842	5.43	5.38	12.6	123.9764	119.6
17	47 13C2-PFDOa	615.0 > 569.7	6.51e3	1.01e4	0.121	0.714	5.70	5.66	8.07	93.7898	90.5
18	49 13C2-PFTeDA	714.8 > 669.6	2.25e3	1.01e4	0.121	0.236	6.16	6.12	2.79	97.9578	94.5
19	55 13C5-PFHxA	318 > 272.9	8.65e3	8.65e3	0.121	1.000	3.20	3.14	12.5	103.6312	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.14e3	2.14e3	0.121	1.000	3.95	3.90	12.5	103.6312	100.0
21	57 13C8-PFOA	421.3 > 376	7.93e3	7.93e3	0.121	1.000	4.32	4.27	12.5	103.6312	100.0
22	58 13C9-PFNA	472.2 > 426.9	8.80e3	8.80e3	0.121	1.000	4.75	4.70	12.5	103.6312	100.0
23	59 13C4-PFOS	503 > 79.9	2.28e3	2.28e3	0.121	1.000	4.83	4.78	12.5	103.6312	100.0
24	60 13C6-PFDA	519.1 > 473.7	7.39e3	7.39e3	0.121	1.000	5.11	5.06	12.5	103.6312	100.0
25	61 13C7-PFUDa	570.1 > 524.8	1.01e4	1.01e4	0.121	1.000	5.43	5.38	12.5	103.6312	100.0
26	62 Total PFHxS	398.9 > 79.6	9.40e1	8.17e2	0.121		4.00		1.44	6.2137	
27	63 Total PFOA	413 > 368.7	8.46e2	8.87e3	0.121		4.30		0.893	4.2074	
28	64 Total PFOS	499 > 79.9	0.00e0	2.40e3	0.121		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	3.46e3	0.121		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	3.81e3	0.121		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-24.qld

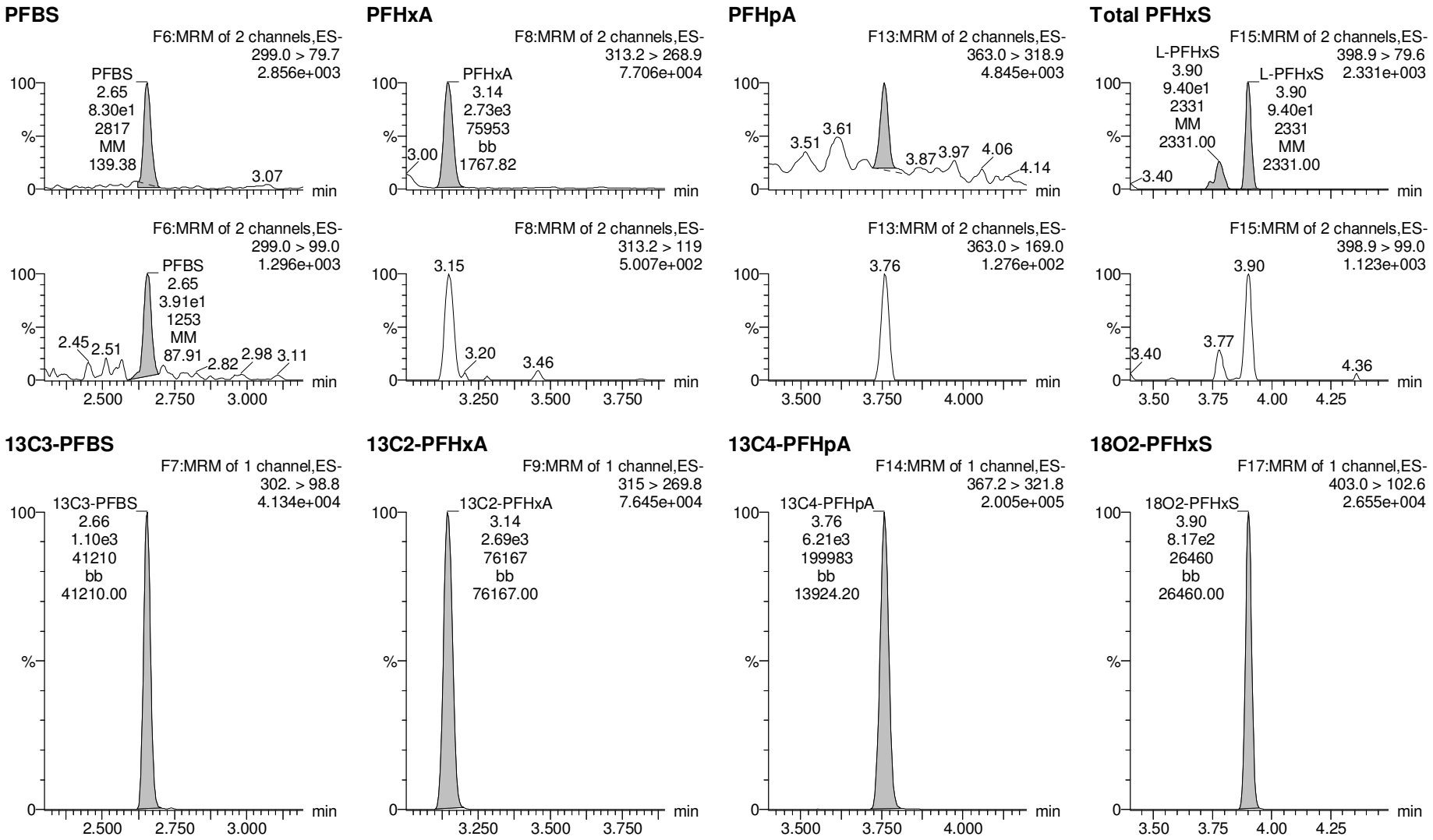
Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

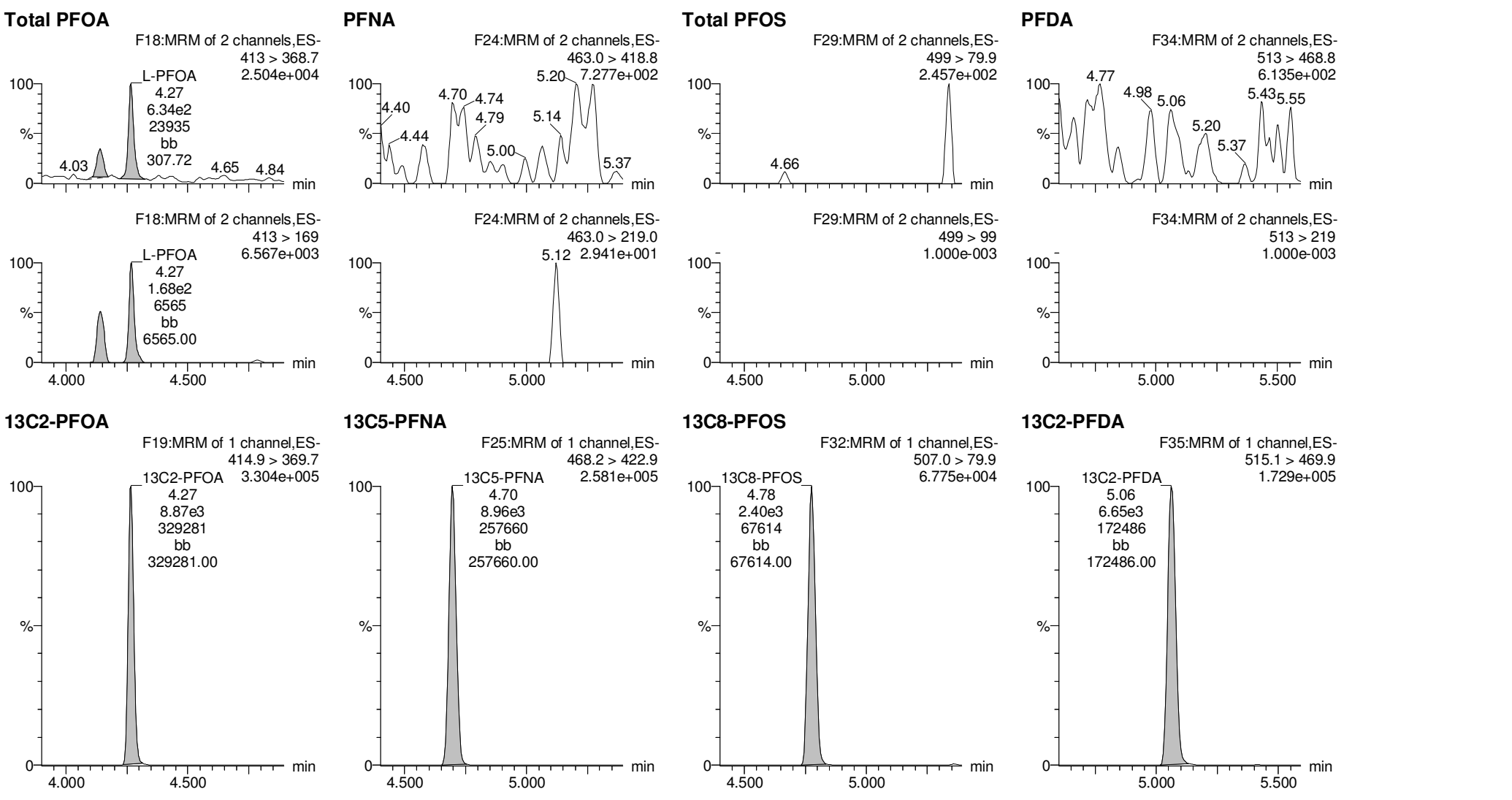


Dataset: U:\Q4.PRO\results\171231M1\171231M1-24.qld

Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217



13C2-PFOA

F19:MRM of 1 channel,ES-414.9 > 369.7
3.304e+005

13C2-PFOA
4.27
8.87e3
329281
bb
329281.00

F19:MRM of 1 channel,ES-414.9 > 369.7
3.304e+005

4.27

13C5-PFNA

F25:MRM of 1 channel,ES-468.2 > 422.9
2.581e+005

13C5-PFNA
4.70
8.96e3
257660
bb
257660.00

F25:MRM of 1 channel,ES-468.2 > 422.9
2.581e+005

4.70

13C8-PFOS

F32:MRM of 1 channel,ES-507.0 > 79.9
6.775e+004

13C8-PFOS
4.78
2.40e3
67614
bb
67614.00

F32:MRM of 1 channel,ES-507.0 > 79.9
6.775e+004

4.78

13C2-PFDA

F35:MRM of 1 channel,ES-515.1 > 469.9
1.729e+005

13C2-PFDA
5.06
6.65e3
172486
bb
172486.00

F35:MRM of 1 channel,ES-515.1 > 469.9
1.729e+005

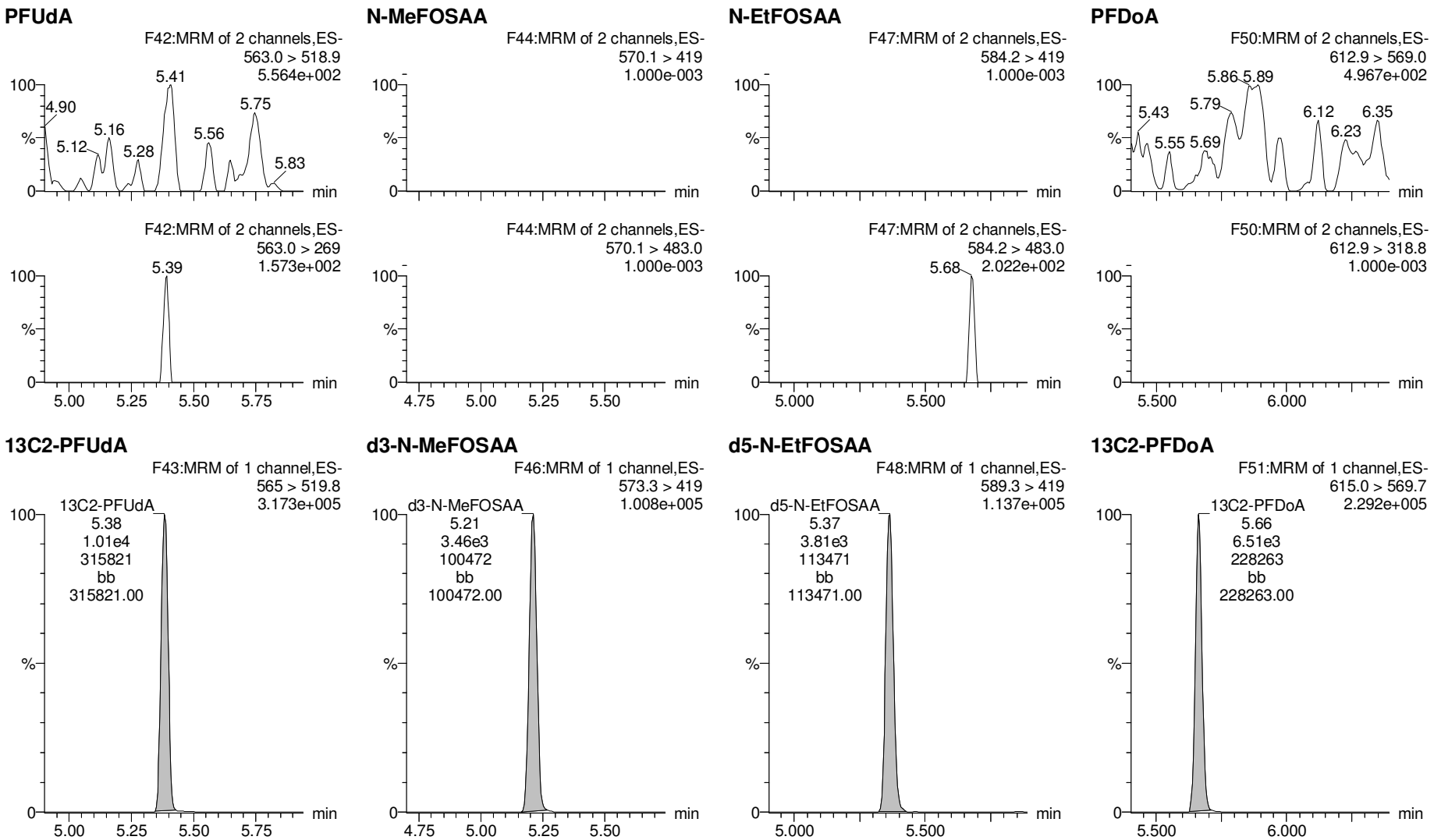
5.06

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Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

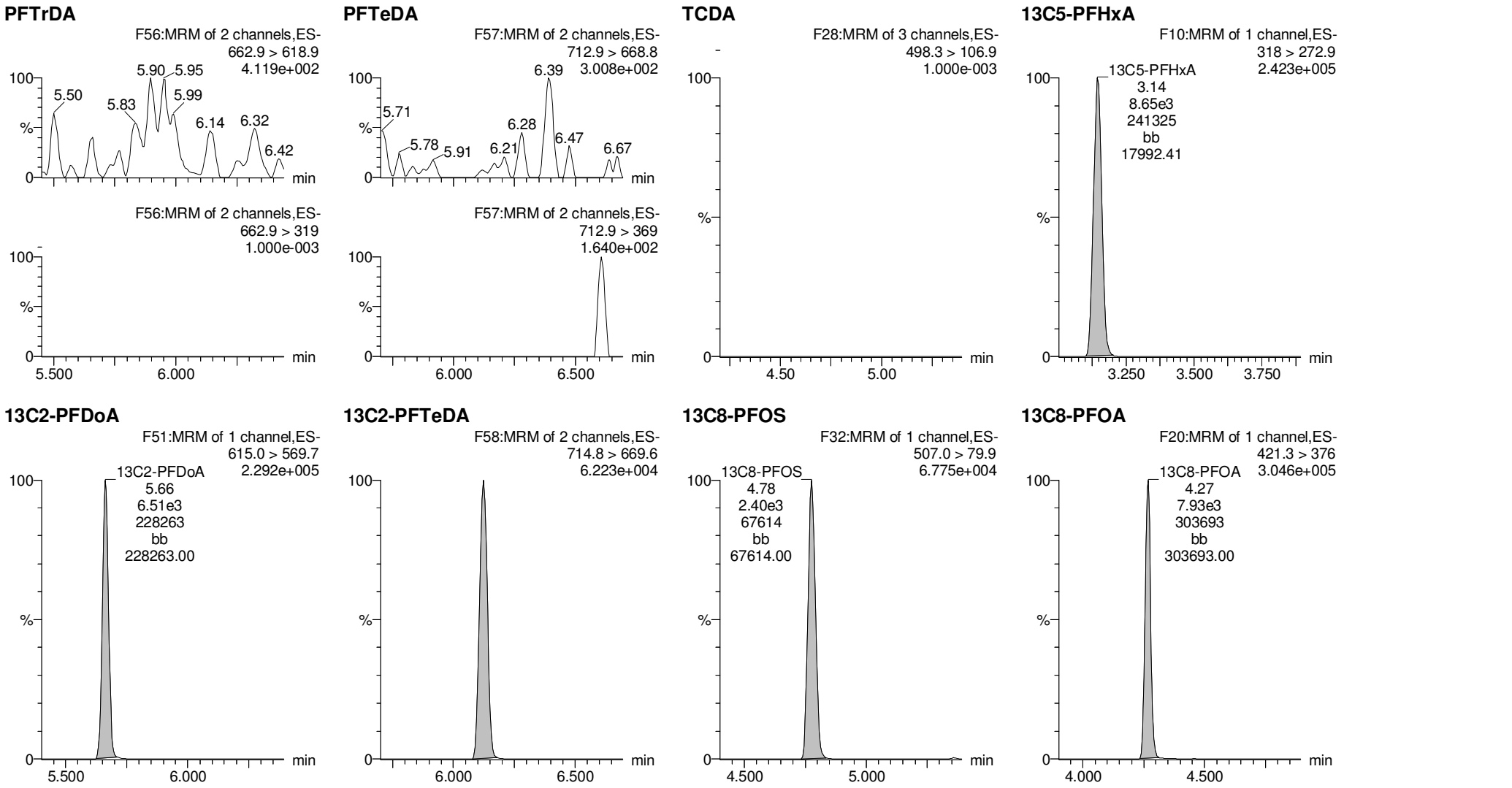


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Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217



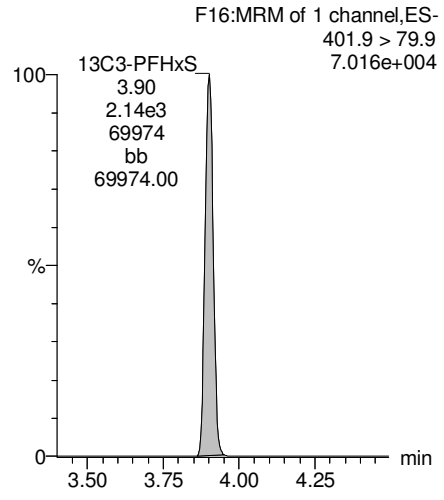
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Last Altered: Wednesday, January 03, 2018 08:42:55 Pacific Standard Time

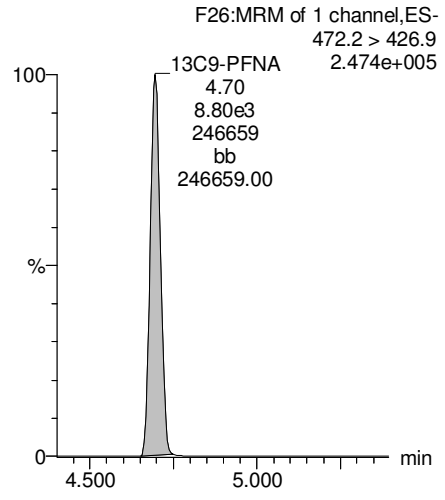
Printed: Wednesday, January 03, 2018 08:44:02 Pacific Standard Time

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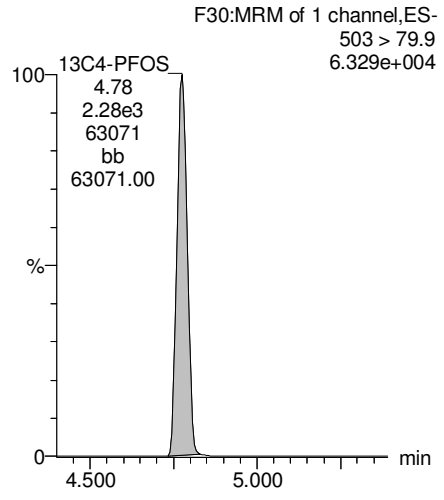
13C3-PFHxS



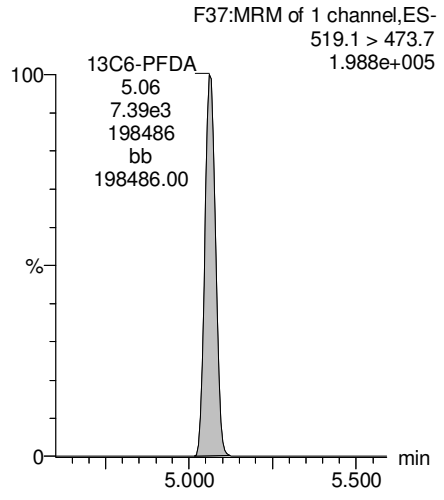
13C9-PFNA



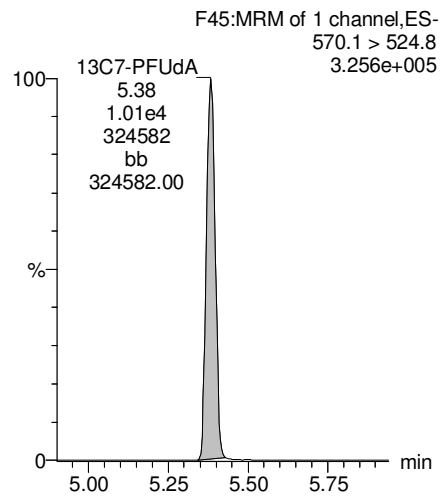
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171231M1\171231M1-25.qld

Last Altered: Wednesday, January 03, 2018 08:46:07 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:49:55 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_25, Date: 31-Dec-2017, Time: 18:09:41, ID: 1701943-05 WI-A06-6-S-19P-1217 0.11997, Description: WI-A06-6-S-19P-1217

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	8.86e1	1.20e3	0.120		2.70	2.65	0.923	4.1525	
2	4	PFHxA	313.2 > 268.9	2.78e3	2.63e3	0.120		3.12	3.14	5.28	22.7511	
3	5	PFHpA	363.0 > 318.9	1.56e2	6.97e3	0.120		3.75	3.75	0.280	1.9515	
4	6	L-PFHxS	398.9 > 79.6	8.08e1	8.24e2	0.120		3.85	3.89	1.23	5.3944	
5	9	L-PFOA	413 > 368.7	7.32e2	1.03e4	0.120		4.25	4.26	0.888	4.1966	
6	12	PFNA	463.0 > 418.8		7.48e3	0.120		4.70				
7	14	L-PFOS	499 > 79.9		2.45e3	0.120		4.75				
8	16	PFDA	513 > 468.8		7.88e3	0.120		5.05				
9	18	N-MeFOSAA	570.1 > 419		3.70e3	0.120		5.20				
10	19	N-EtFOSAA	584.2 > 419		4.05e3	0.120		5.42				
11	20	PFUdA	563.0 > 518.9		1.02e4	0.120		5.35				
12	22	PFDoA	612.9 > 569.0		6.84e3	0.120		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-25.qld

Last Altered: Wednesday, January 03, 2018 08:46:07 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:50:09 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_25, Date: 31-Dec-2017, Time: 18:09:41, ID: 1701943-05 WI-A06-6-S-19P-1217 0.11997, Description: WI-A06-6-S-19P-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTeDA	662.9 > 618.9		6.84e3	0.120		5.95				
2	25 PFTeDA	712.9 > 668.8		2.38e3	0.120		6.16				
3	33 13C3-PFBS	302. > 98.8	1.20e3	9.33e3	0.120	0.103	2.70	2.65	1.61	129.9559	124.7
4	34 13C2-PFHxA	315 > 269.8	2.63e3	9.33e3	0.120	0.619	3.20	3.14	3.53	47.4903	113.9
5	35 13C4-PFHpA	367.2 > 321.8	6.97e3	9.33e3	0.120	0.634	3.80	3.76	9.34	122.9335	118.0
6	36 18O2-PFHxS	403.0 > 102.6	8.24e2	2.56e3	0.120	0.320	3.95	3.90	4.02	104.8686	100.6
7	37 13C2-6:2 FTS	429.1 > 408.9	2.44e3	8.38e3	0.120	0.244	4.26	4.21	3.64	124.4019	119.4
8	38 13C2-PFOA	414.9 > 369.7	1.03e4	8.38e3	0.120	1.046	4.32	4.26	15.4	122.5263	117.6
9	39 13C5-PFNA	468.2 > 422.9	7.48e3	7.20e3	0.120	0.838	4.75	4.69	13.0	129.1713	124.0
10	40 13C8-PFOSA	506.1 > 77.7	1.30e3	1.02e4	0.120	0.162	4.81	4.77	1.60	81.9758	78.7
11	41 13C8-PFOS	507.0 > 79.9	2.45e3	2.32e3	0.120	0.863	4.83	4.78	13.2	127.5624	122.4
12	42 13C2-PFDA	515.1 > 469.9	7.88e3	8.92e3	0.120	0.828	5.11	5.06	11.0	111.0930	106.6
13	43 13C2-8:2 FTS	529.1 > 508.7	1.44e3	9.33e3	0.120	0.139	5.09	5.03	1.93	115.8647	111.2
14	44 d3-N-MeFOSAA	573.3 > 419	3.70e3	1.02e4	0.120	0.306	5.26	5.21	4.53	123.3760	118.4
15	45 d5-N-EtFOSAA	589.3 > 419	4.05e3	1.02e4	0.120	0.346	5.42	5.36	4.96	119.3648	114.6
16	46 13C2-PFUDa	565 > 519.8	1.02e4	1.02e4	0.120	0.842	5.43	5.38	12.5	123.8756	118.9
17	47 13C2-PFDOa	615.0 > 569.7	6.84e3	1.02e4	0.120	0.714	5.70	5.66	8.38	97.8066	93.9
18	49 13C2-PFTeDA	714.8 > 669.6	2.38e3	1.02e4	0.120	0.236	6.16	6.12	2.91	102.5070	98.4
19	55 13C5-PFHxA	318 > 272.9	9.33e3	9.33e3	0.120	1.000	3.20	3.14	12.5	104.1927	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.56e3	2.56e3	0.120	1.000	3.95	3.90	12.5	104.1927	100.0
21	57 13C8-PFOA	421.3 > 376	8.38e3	8.38e3	0.120	1.000	4.32	4.26	12.5	104.1927	100.0
22	58 13C9-PFNA	472.2 > 426.9	7.20e3	7.20e3	0.120	1.000	4.75	4.69	12.5	104.1927	100.0
23	59 13C4-PFOS	503 > 79.9	2.32e3	2.32e3	0.120	1.000	4.83	4.78	12.5	104.1927	100.0
24	60 13C6-PFDA	519.1 > 473.7	8.92e3	8.92e3	0.120	1.000	5.11	5.06	12.5	104.1927	100.0
25	61 13C7-PFUDa	570.1 > 524.8	1.02e4	1.02e4	0.120	1.000	5.43	5.38	12.5	104.1927	100.0
26	62 Total PFHxS	398.9 > 79.6	8.08e1	8.24e2	0.120		4.00		1.23	5.3944	
27	63 Total PFOA	413 > 368.7	9.96e2	1.03e4	0.120		4.30		0.888	4.1966	
28	64 Total PFOS	499 > 79.9	0.00e0	2.45e3	0.120		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	3.70e3	0.120		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.05e3	0.120		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-25.qld

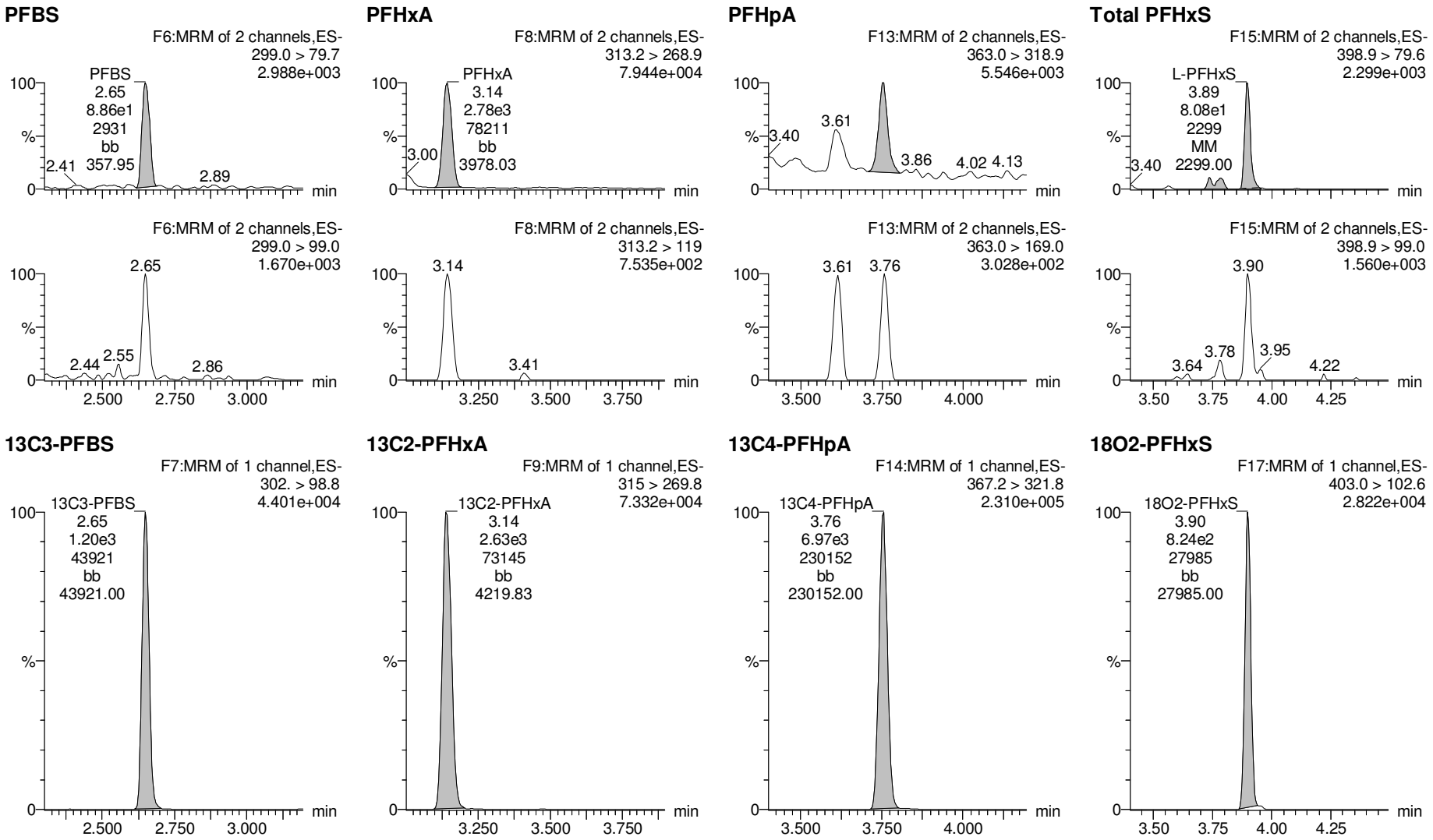
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Printed: Wednesday, January 03, 2018 08:50:09 Pacific Standard Time

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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

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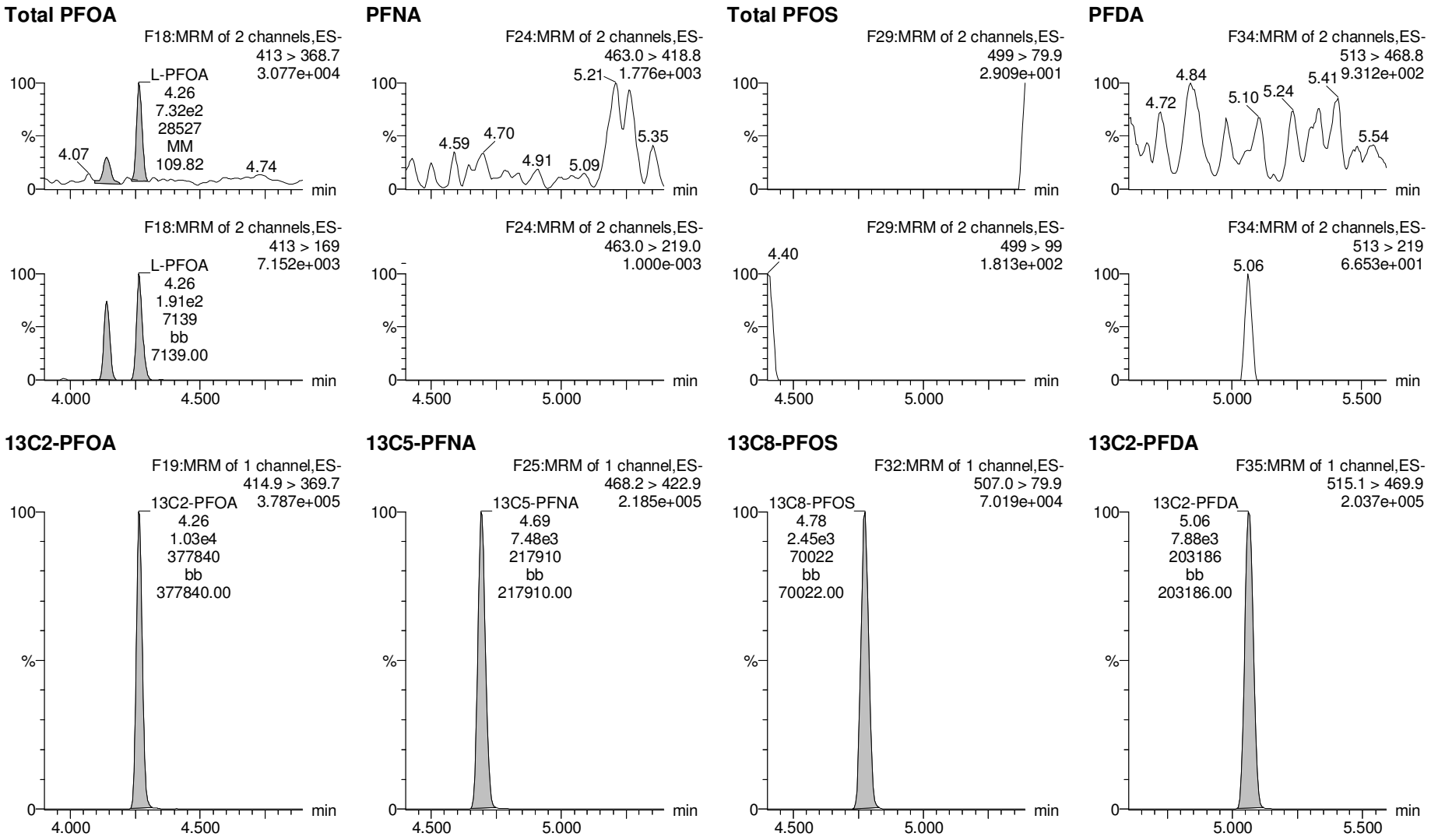


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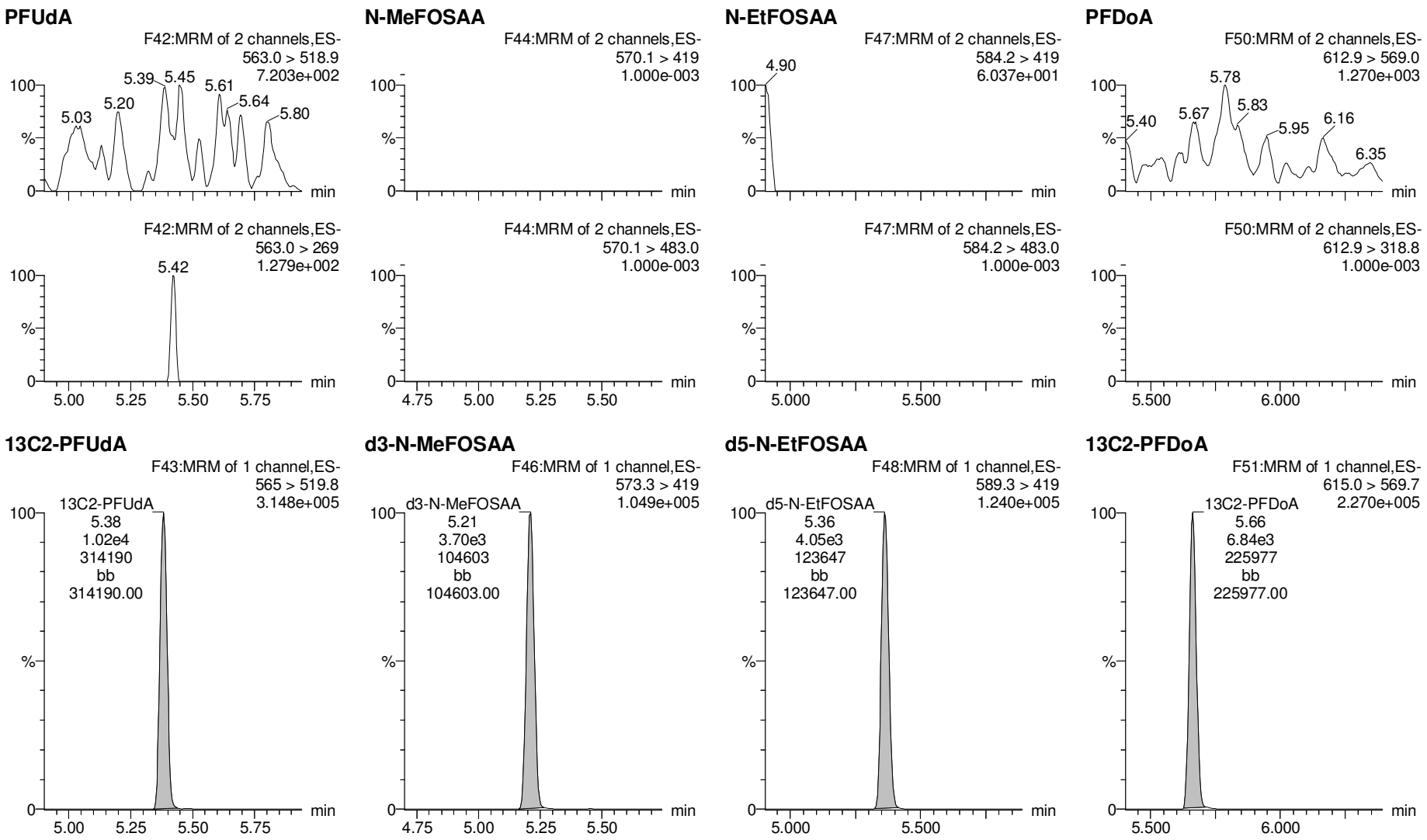
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Dataset: U:\Q4.PRO\results\171231M1\171231M1-25.qld

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Printed: Wednesday, January 03, 2018 08:50:09 Pacific Standard Time

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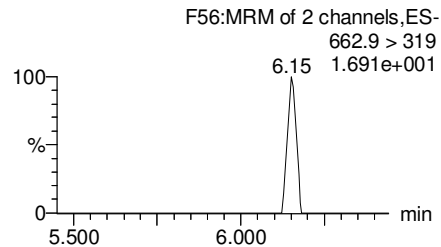
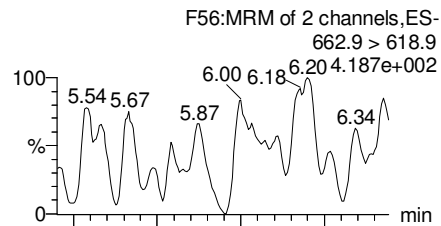
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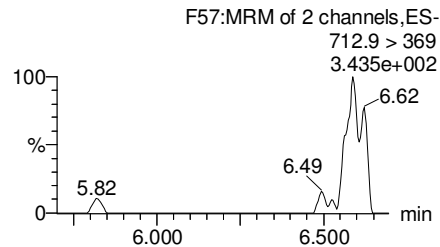
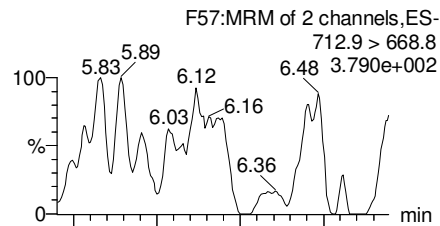
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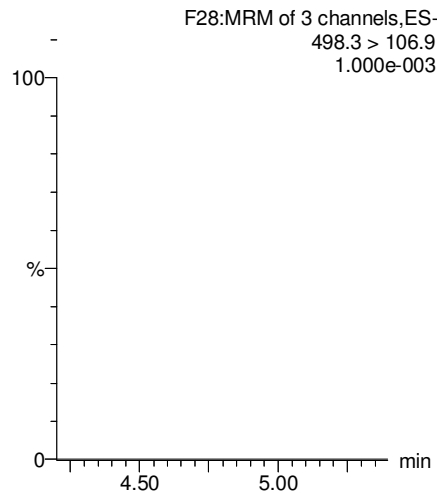
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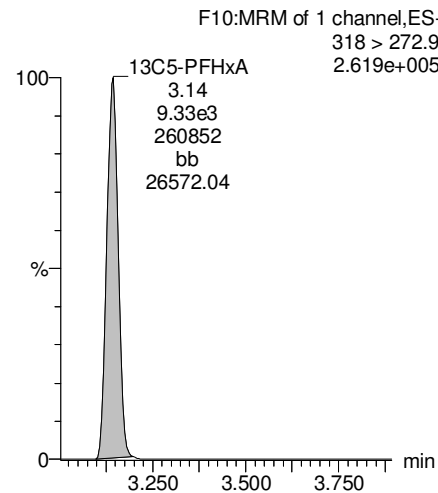
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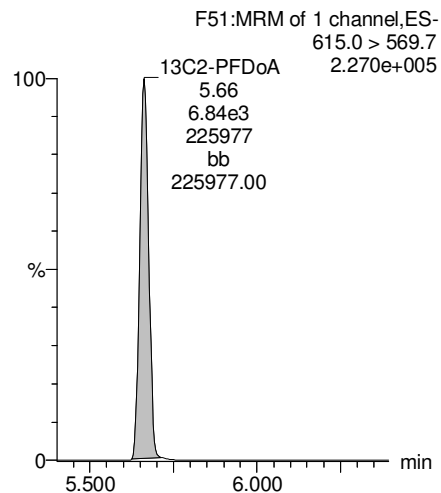
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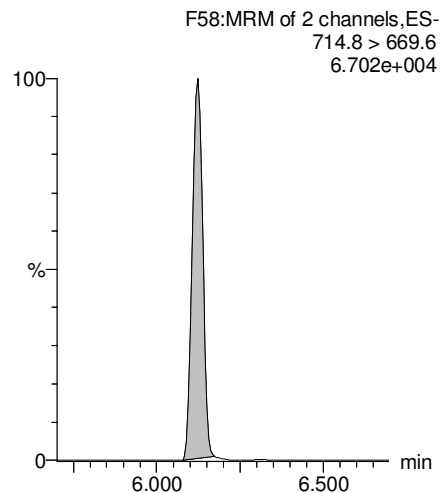
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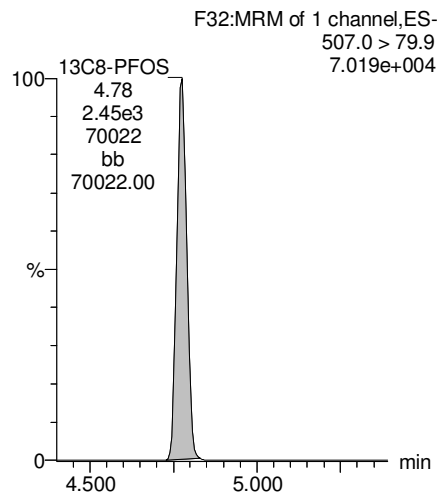
13C2-PFDoA



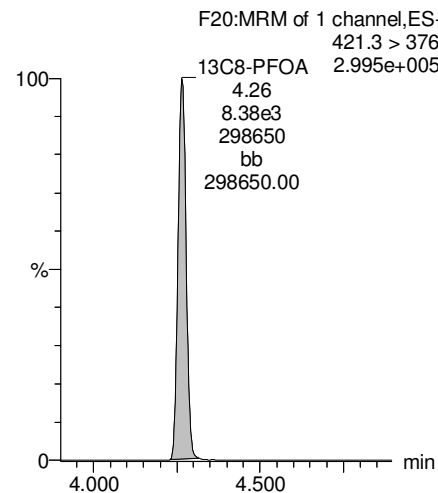
13C2-PFTeDA



13C8-PFOS

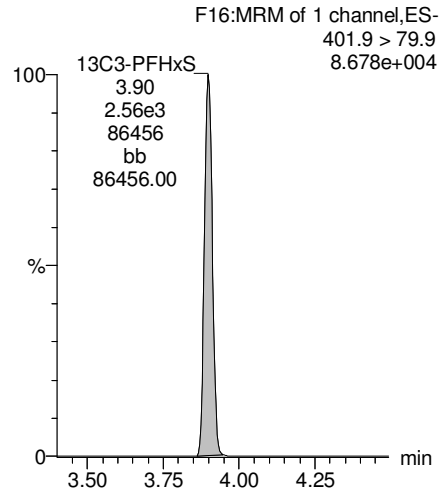


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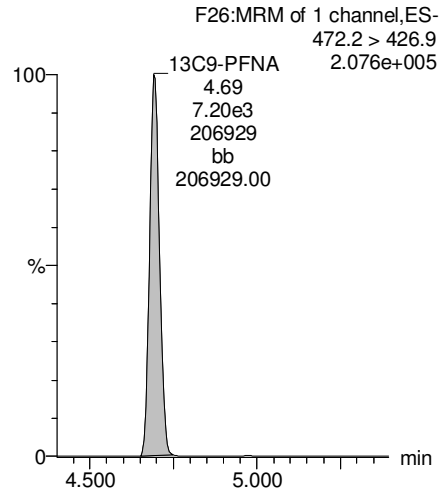


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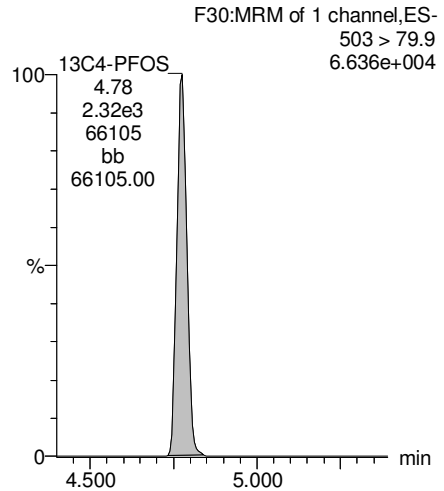
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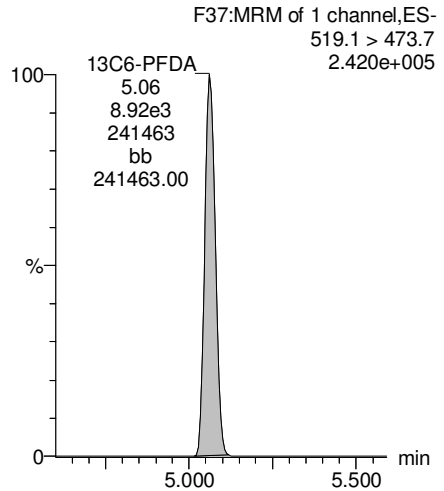
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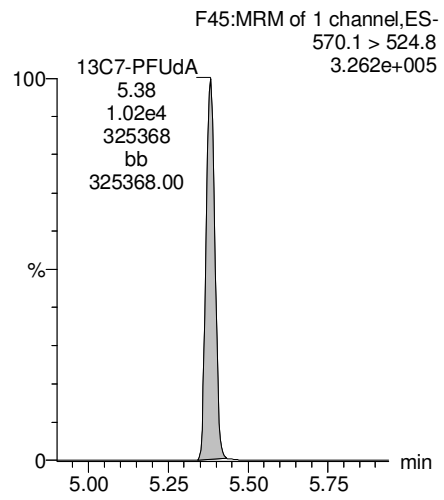
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13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171231M1\171231M1-26.qld

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Printed: Wednesday, January 03, 2018 08:53:22 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_26, Date: 31-Dec-2017, Time: 18:20:52, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406, Description: WI-A06-6-S-31-1217

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	3.99e2	1.33e3	0.124		2.70	2.65	3.75	14.2763	
2	4	PFHxA	313.2 > 268.9	8.09e3	2.87e3	0.124		3.12	3.14	14.1	58.3311	
3	5	PFHpA	363.0 > 318.9	3.20e3	7.27e3	0.124		3.75	3.75	5.50	29.2525	
4	6	L-PFHxS	398.9 > 79.6	8.87e2	1.06e3	0.124		3.85	3.90	10.5	41.0873	
5	9	L-PFOA	413 > 368.7	6.22e3	1.12e4	0.124		4.25	4.27	6.95	48.7621	
6	12	PFNA	463.0 > 418.8		1.03e4	0.124		4.70				
7	14	L-PFOS	499 > 79.9	3.89e1	2.73e3	0.124		4.75	4.68	0.178	1.8154	
8	16	PFDA	513 > 468.8		9.24e3	0.124		5.05				
9	18	N-MeFOSAA	570.1 > 419		3.68e3	0.124		5.20				
10	19	N-EtFOSAA	584.2 > 419		4.75e3	0.124		5.42				
11	20	PFUdA	563.0 > 518.9		1.22e4	0.124		5.35				
12	22	PFDoA	612.9 > 569.0		5.77e3	0.124		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-26.qld

Last Altered: Wednesday, January 03, 2018 08:51:53 Pacific Standard Time

Printed: Wednesday, January 03, 2018 08:54:54 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_26, Date: 31-Dec-2017, Time: 18:20:52, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406, Description: WI-A06-6-S-31-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		5.77e3	0.124		5.95				
2	25 PFTeDA	712.9 > 668.8		2.44e3	0.124		6.16				
3	33 13C3-PFBS	302. > 98.8	1.33e3	9.71e3	0.124	0.103	2.70	2.65	1.71	133.9141	132.9
4	34 13C2-PFHxA	315 > 269.8	2.87e3	9.71e3	0.124	0.619	3.20	3.14	3.69	48.0731	119.3
5	35 13C4-PFHpA	367.2 > 321.8	7.27e3	9.71e3	0.124	0.634	3.80	3.76	9.36	119.0329	118.1
6	36 18O2-PFHxS	403.0 > 102.6	1.06e3	2.42e3	0.124	0.320	3.95	3.90	5.48	138.3375	137.3
7	37 13C2-6:2 FTS	429.1 > 408.9	2.70e3	9.37e3	0.124	0.244	4.26	4.21	3.60	118.9575	118.1
8	38 13C2-PFOA	414.9 > 369.7	1.12e4	9.37e3	0.124	1.046	4.32	4.27	14.9	114.9159	114.1
9	39 13C5-PFNA	468.2 > 422.9	1.03e4	1.05e4	0.124	0.838	4.75	4.70	12.3	117.9845	117.1
10	40 13C8-PFOSA	506.1 > 77.7	1.68e3	1.12e4	0.124	0.162	4.81	4.77	1.86	92.4926	91.8
11	41 13C8-PFOS	507.0 > 79.9	2.73e3	2.57e3	0.124	0.863	4.83	4.78	13.3	124.2417	123.3
12	42 13C2-PFDA	515.1 > 469.9	9.24e3	8.39e3	0.124	0.828	5.11	5.06	13.8	134.0368	133.0
13	43 13C2-8:2 FTS	529.1 > 508.7	1.72e3	9.71e3	0.124	0.139	5.09	5.03	2.21	127.9803	127.0
14	44 d3-N-MeFOSAA	573.3 > 419	3.68e3	1.12e4	0.124	0.306	5.26	5.21	4.08	107.5854	106.8
15	45 d5-N-EtFOSAA	589.3 > 419	4.75e3	1.12e4	0.124	0.346	5.42	5.36	5.28	123.0156	122.1
16	46 13C2-PFUDa	565 > 519.8	1.22e4	1.12e4	0.124	0.842	5.43	5.38	13.6	130.0513	129.1
17	47 13C2-PFDOa	615.0 > 569.7	5.77e3	1.12e4	0.124	0.714	5.70	5.66	6.42	72.4496	71.9
18	49 13C2-PFTeDA	714.8 > 669.6	2.44e3	1.12e4	0.124	0.236	6.16	6.12	2.71	92.3050	91.6
19	55 13C5-PFHxA	318 > 272.9	9.71e3	9.71e3	0.124	1.000	3.20	3.14	12.5	100.7577	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.42e3	2.42e3	0.124	1.000	3.95	3.90	12.5	100.7577	100.0
21	57 13C8-PFOA	421.3 > 376	9.37e3	9.37e3	0.124	1.000	4.32	4.27	12.5	100.7577	100.0
22	58 13C9-PFNA	472.2 > 426.9	1.05e4	1.05e4	0.124	1.000	4.75	4.70	12.5	100.7577	100.0
23	59 13C4-PFOS	503 > 79.9	2.57e3	2.57e3	0.124	1.000	4.83	4.78	12.5	100.7577	100.0
24	60 13C6-PFDA	519.1 > 473.7	8.39e3	8.39e3	0.124	1.000	5.11	5.06	12.5	100.7577	100.0
25	61 13C7-PFUDa	570.1 > 524.8	1.12e4	1.12e4	0.124	1.000	5.43	5.38	12.5	100.7577	100.0
26	62 Total PFHxS	398.9 > 79.6	8.87e2	1.06e3	0.124		4.00		10.5	41.0873	
27	63 Total PFOA	413 > 368.7	7.13e3	1.12e4	0.124		4.30		7.97	53.8045	
28	64 Total PFOS	499 > 79.9	3.89e1	2.73e3	0.124		4.80		0.178	1.8154	
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	3.68e3	0.124		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.75e3	0.124		5.40		0.000		

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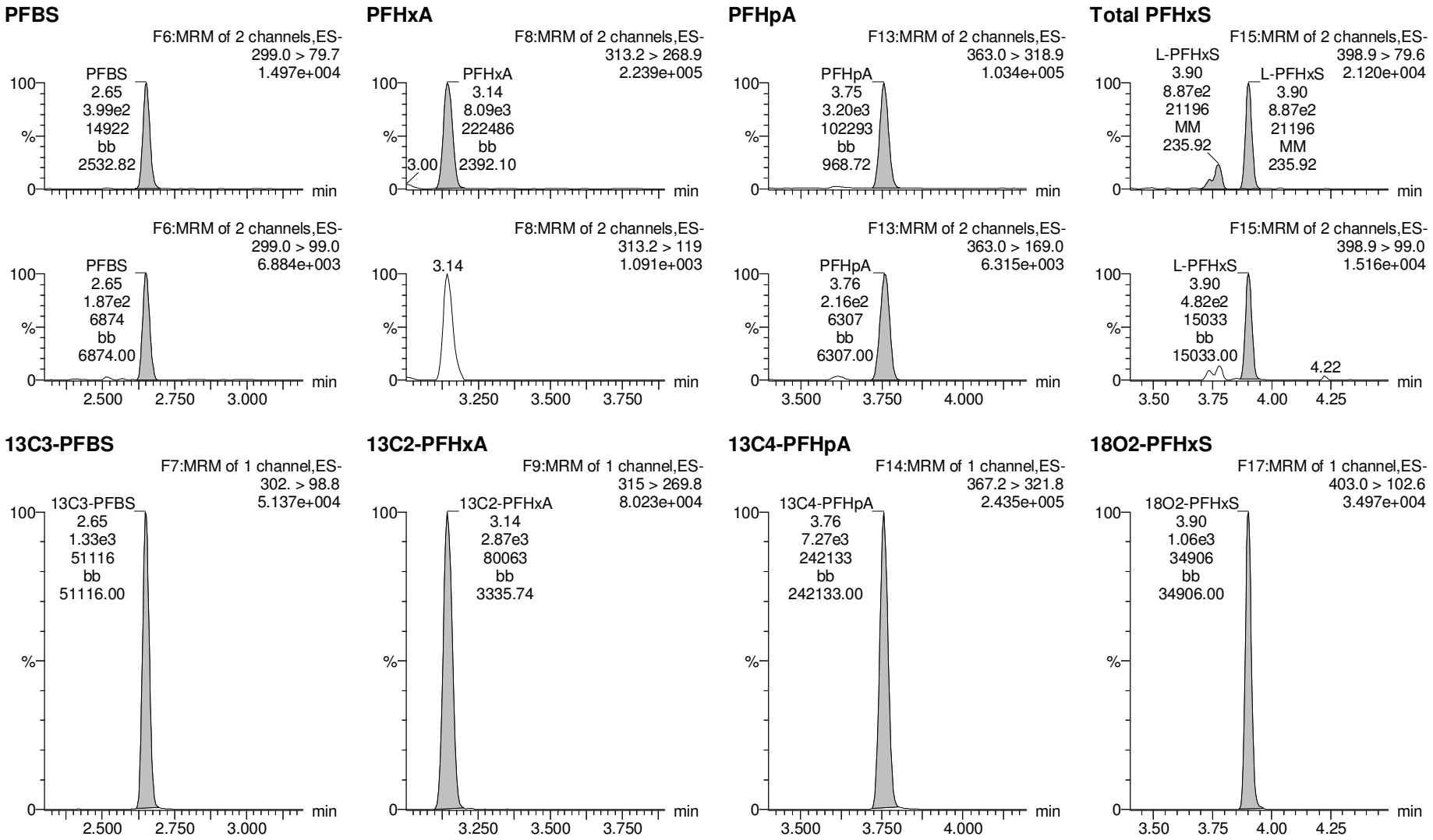
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_26, Date: 31-Dec-2017, Time: 18:20:52, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406, Description: WI-A06-6-S-31-1217

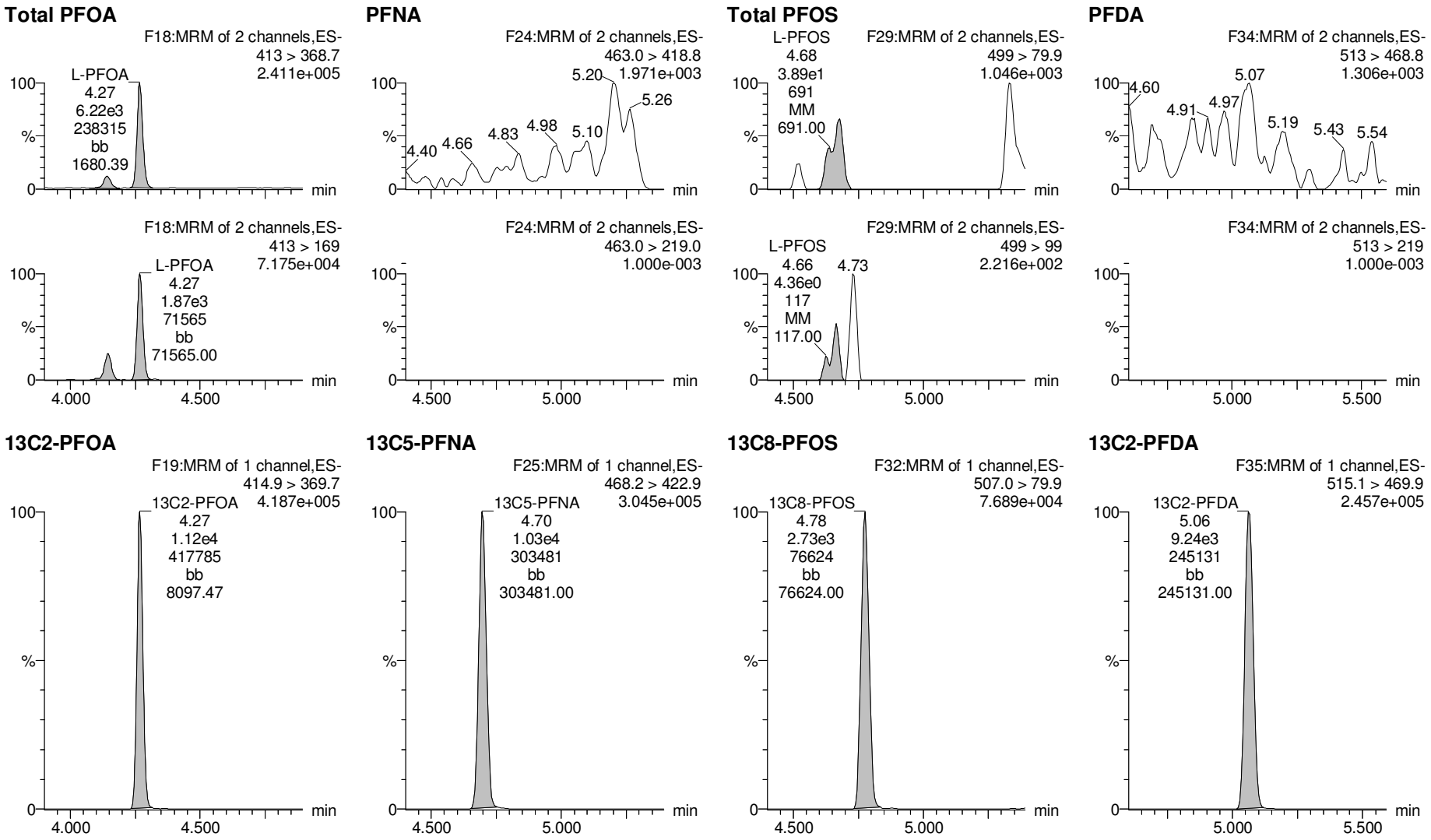


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Total PFOS

L-PFOS
4.68
3.89e1
691
MM
691.00

F29:MRM of 2 channels,ES-499 > 79.9
1.046e+003

4.66 4.73

F29:MRM of 2 channels,ES-499 > 99
2.216e+002

L-PFOS

4.66
4.36e0
117
MM
117.00

PFDA

F34:MRM of 2 channels,ES-513 > 468.8
1.306e+003

4.60 4.91 4.97 5.07 5.19 5.43 5.54

F34:MRM of 2 channels,ES-513 > 219
1.000e-003

13C2-PFOA

F19:MRM of 1 channel,ES-414.9 > 369.7
4.187e+005

13C2-PFOA

4.27
1.12e4
417785
bb
8097.47

F19:MRM of 1 channel,ES-414.9 > 369.7
4.187e+005

13C2-PFOA

4.27
1.12e4
417785
bb
8097.47

13C5-PFNA

F25:MRM of 1 channel,ES-468.2 > 422.9
3.045e+005

13C5-PFNA

4.70
1.03e4
303481
bb
303481.00

F25:MRM of 1 channel,ES-468.2 > 422.9
3.045e+005

13C5-PFNA

4.70
1.03e4
303481
bb
303481.00

13C8-PFOS

F32:MRM of 1 channel,ES-507.0 > 79.9
7.689e+004

13C8-PFOS

4.78
2.73e3
76624
bb
76624.00

F32:MRM of 1 channel,ES-507.0 > 79.9
7.689e+004

13C8-PFOS

4.78
2.73e3
76624
bb
76624.00

13C2-PFDA

F35:MRM of 1 channel,ES-515.1 > 469.9
2.457e+005

13C2-PFDA

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F35:MRM of 1 channel,ES-515.1 > 469.9
2.457e+005

13C2-PFDA

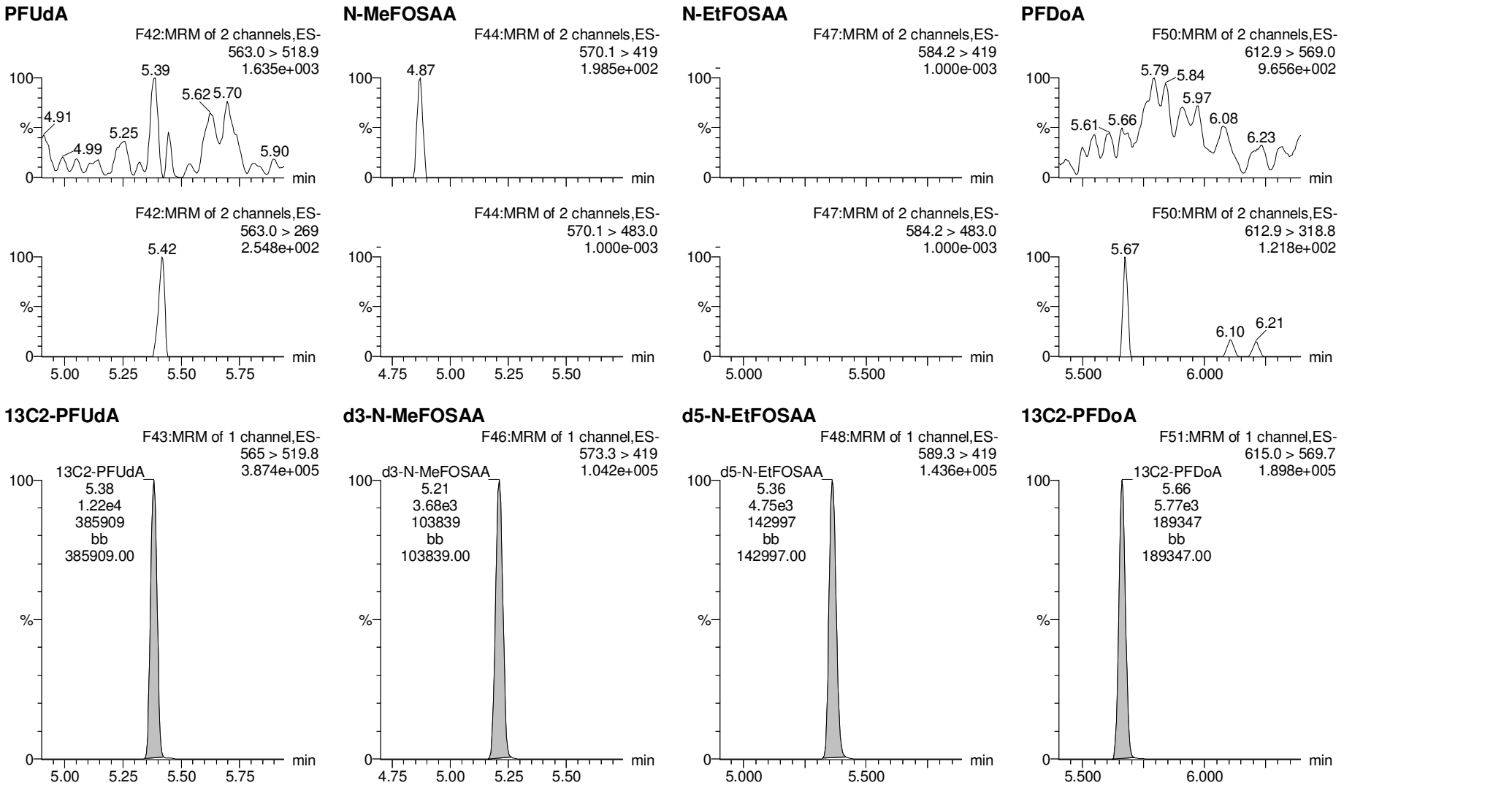
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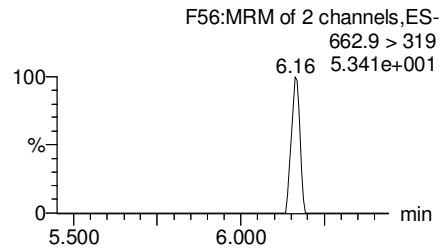
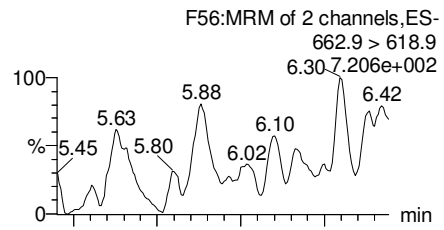


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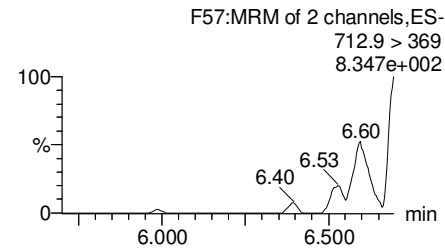
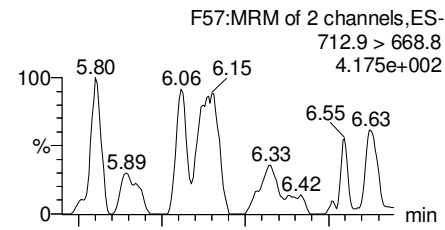
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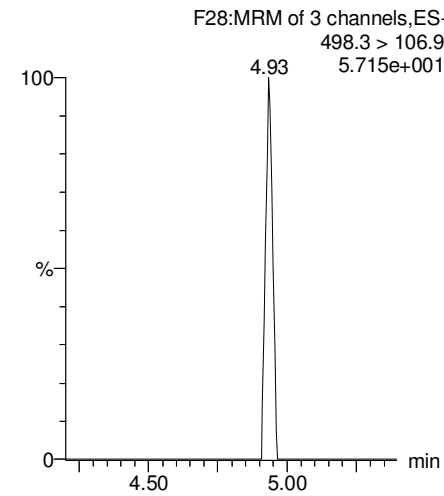
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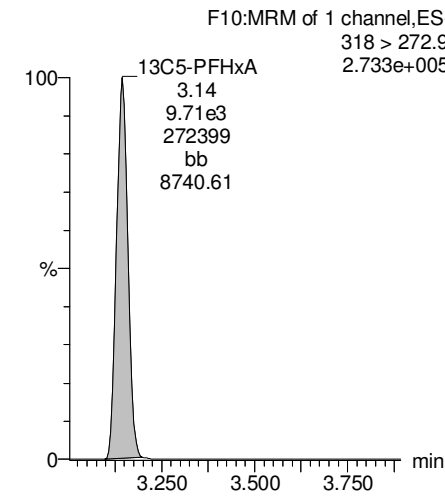
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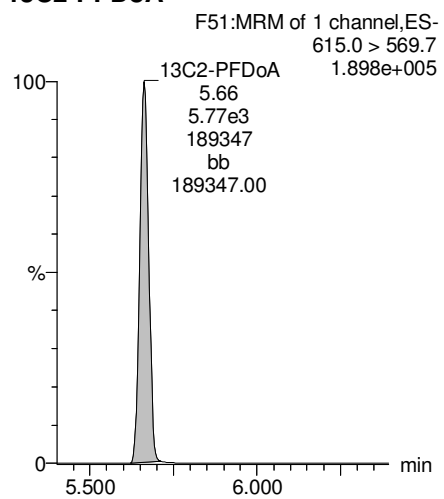
TCDA



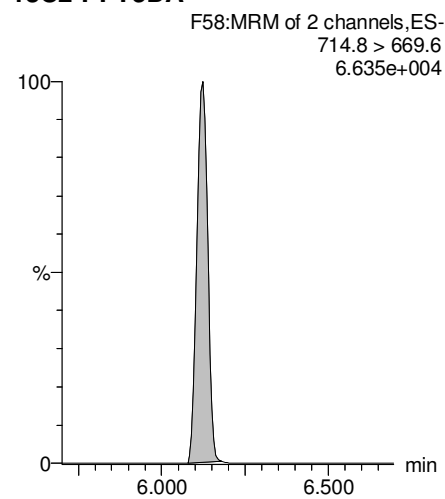
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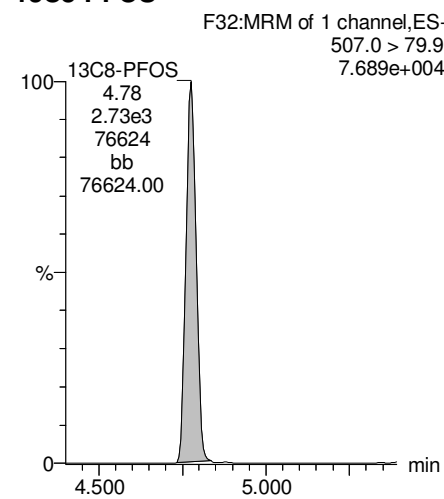
13C2-PFDoA



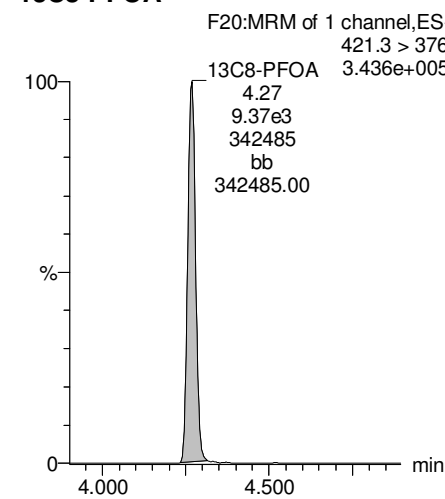
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



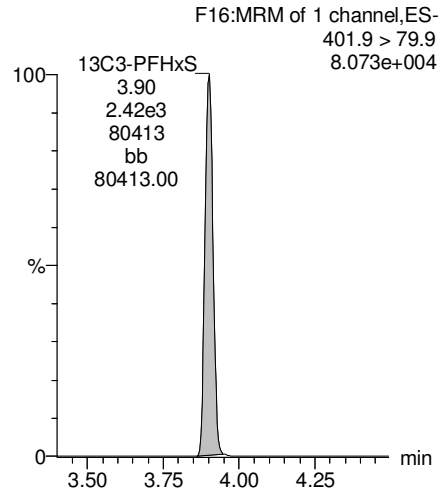
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Last Altered: Wednesday, January 03, 2018 08:51:53 Pacific Standard Time

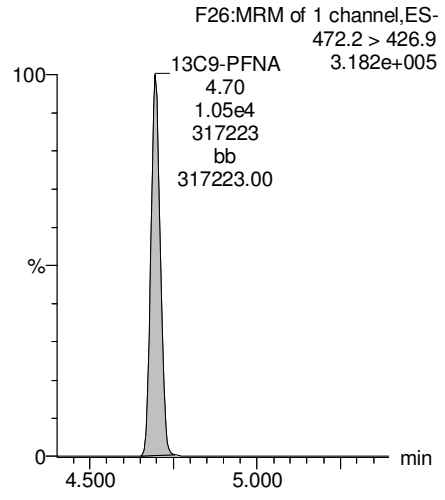
Printed: Wednesday, January 03, 2018 08:54:54 Pacific Standard Time

Name: 171231M1_26, Date: 31-Dec-2017, Time: 18:20:52, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406, Description: WI-A06-6-S-31-1217

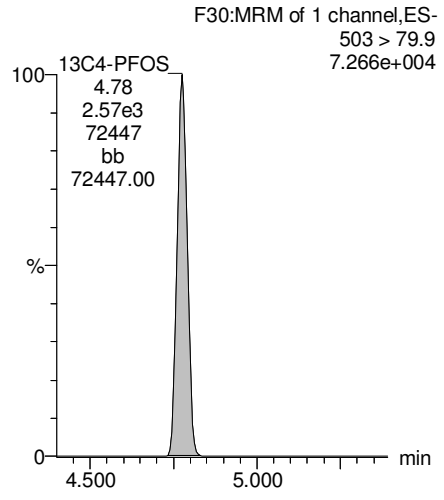
13C3-PFHxS



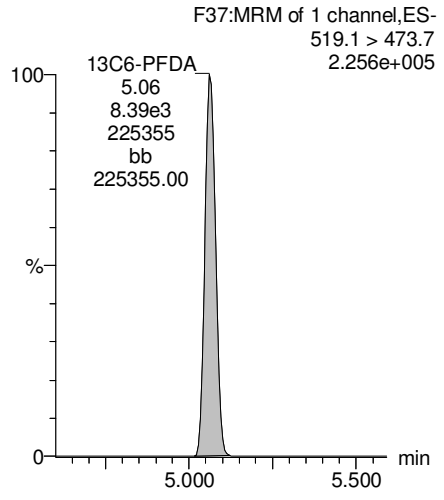
13C9-PFNA



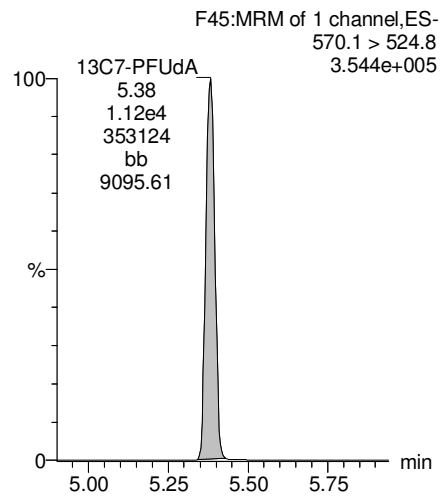
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:35:47 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.38e3	0.121		2.70				
2	4 PFHxA	313.2 > 268.9		2.75e3	0.121		3.12				
3	5 PFHpA	363.0 > 318.9		7.06e3	0.121		3.75				
4	6 L-PFHxS	398.9 > 79.6	2.88e0	1.04e3	0.121		3.85	3.91	0.0344	0.5996	
5	9 L-PFOA	413 > 368.7		1.09e4	0.121		4.25				
6	12 PFNA	463.0 > 418.8		8.85e3	0.121		4.70				
7	14 L-PFOS	499 > 79.9	1.12e0	2.60e3	0.121		4.75	4.77	0.00537	0.7642	
8	16 PFDA	513 > 468.8		7.97e3	0.121		5.05				
9	18 N-MeFOSAA	570.1 > 419		3.69e3	0.121		5.20				
10	19 N-EtFOSAA	584.2 > 419		4.20e3	0.121		5.42				
11	20 PFUdA	563.0 > 518.9		8.60e3	0.121		5.35				
12	22 PFDoA	612.9 > 569.0		5.92e3	0.121		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		5.92e3	0.121		5.95				
2	25 PFTeDA	712.9 > 668.8		1.91e3	0.121		6.16				
3	33 13C3-PFBS	302. > 98.8	1.38e3	9.46e3	0.121	0.103	2.70	2.65	1.82	146.7031	141.5
4	34 13C2-PFHxA	315 > 269.8	2.75e3	9.46e3	0.121	0.619	3.20	3.14	3.64	48.7752	117.6
5	35 13C4-PFHpA	367.2 > 321.8	7.06e3	9.46e3	0.121	0.634	3.80	3.76	9.33	122.1956	117.9
6	36 18O2-PFHxS	403.0 > 102.6	1.04e3	2.64e3	0.121	0.320	3.95	3.90	4.94	128.1568	123.6
7	37 13C2-6:2 FTS	429.1 > 408.9	2.42e3	9.82e3	0.121	0.244	4.26	4.21	3.08	104.7188	101.0
8	38 13C2-PFOA	414.9 > 369.7	1.09e4	9.82e3	0.121	1.046	4.32	4.27	13.8	109.5447	105.7
9	39 13C5-PFNA	468.2 > 422.9	8.85e3	9.25e3	0.121	0.838	4.75	4.70	11.9	118.2044	114.0
10	40 13C8-PFOSA	506.1 > 77.7	1.32e3	9.44e3	0.121	0.162	4.81	4.77	1.75	89.5192	86.3
11	41 13C8-PFOS	507.0 > 79.9	2.60e3	2.61e3	0.121	0.863	4.83	4.78	12.5	119.7773	115.5
12	42 13C2-PFDA	515.1 > 469.9	7.97e3	8.22e3	0.121	0.828	5.11	5.06	12.1	121.3289	117.0
13	43 13C2-8:2 FTS	529.1 > 508.7	1.34e3	9.46e3	0.121	0.139	5.09	5.03	1.77	105.5196	101.8
14	44 d3-N-MeFOSAA	573.3 > 419	3.69e3	9.44e3	0.121	0.306	5.26	5.21	4.89	132.4746	127.8
15	45 d5-N-EtFOSAA	589.3 > 419	4.20e3	9.44e3	0.121	0.346	5.42	5.36	5.56	133.1963	128.5
16	46 13C2-PFUdA	565 > 519.8	8.60e3	9.44e3	0.121	0.842	5.43	5.38	11.4	112.2352	108.3
17	47 13C2-PFDoA	615.0 > 569.7	5.92e3	9.44e3	0.121	0.714	5.70	5.66	7.84	91.1107	87.9
18	49 13C2-PFTeDA	714.8 > 669.6	1.91e3	9.44e3	0.121	0.236	6.16	6.12	2.52	88.5733	85.4
19	55 13C5-PFHxA	318 > 272.9	9.46e3	9.46e3	0.121	1.000	3.20	3.14	12.5	103.6742	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.64e3	2.64e3	0.121	1.000	3.95	3.90	12.5	103.6742	100.0
21	57 13C8-PFOA	421.3 > 376	9.82e3	9.82e3	0.121	1.000	4.32	4.26	12.5	103.6742	100.0
22	58 13C9-PFNA	472.2 > 426.9	9.25e3	9.25e3	0.121	1.000	4.75	4.70	12.5	103.6742	100.0
23	59 13C4-PFOS	503 > 79.9	2.61e3	2.61e3	0.121	1.000	4.83	4.78	12.5	103.6742	100.0
24	60 13C6-PFDA	519.1 > 473.7	8.22e3	8.22e3	0.121	1.000	5.11	5.06	12.5	103.6742	100.0
25	61 13C7-PFUdA	570.1 > 524.8	9.44e3	9.44e3	0.121	1.000	5.43	5.38	12.5	103.6742	100.0
26	62 Total PFHxS	398.9 > 79.6	2.88e0	1.04e3	0.121		4.00		0.0344	0.5996	
27	63 Total PFOA	413 > 368.7	0.00e0	1.09e4	0.121		4.30		0.000		
28	64 Total PFOS	499 > 79.9	1.12e0	2.60e3	0.121		4.80		0.00537	0.7642	
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	3.69e3	0.121		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	4.20e3	0.121		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

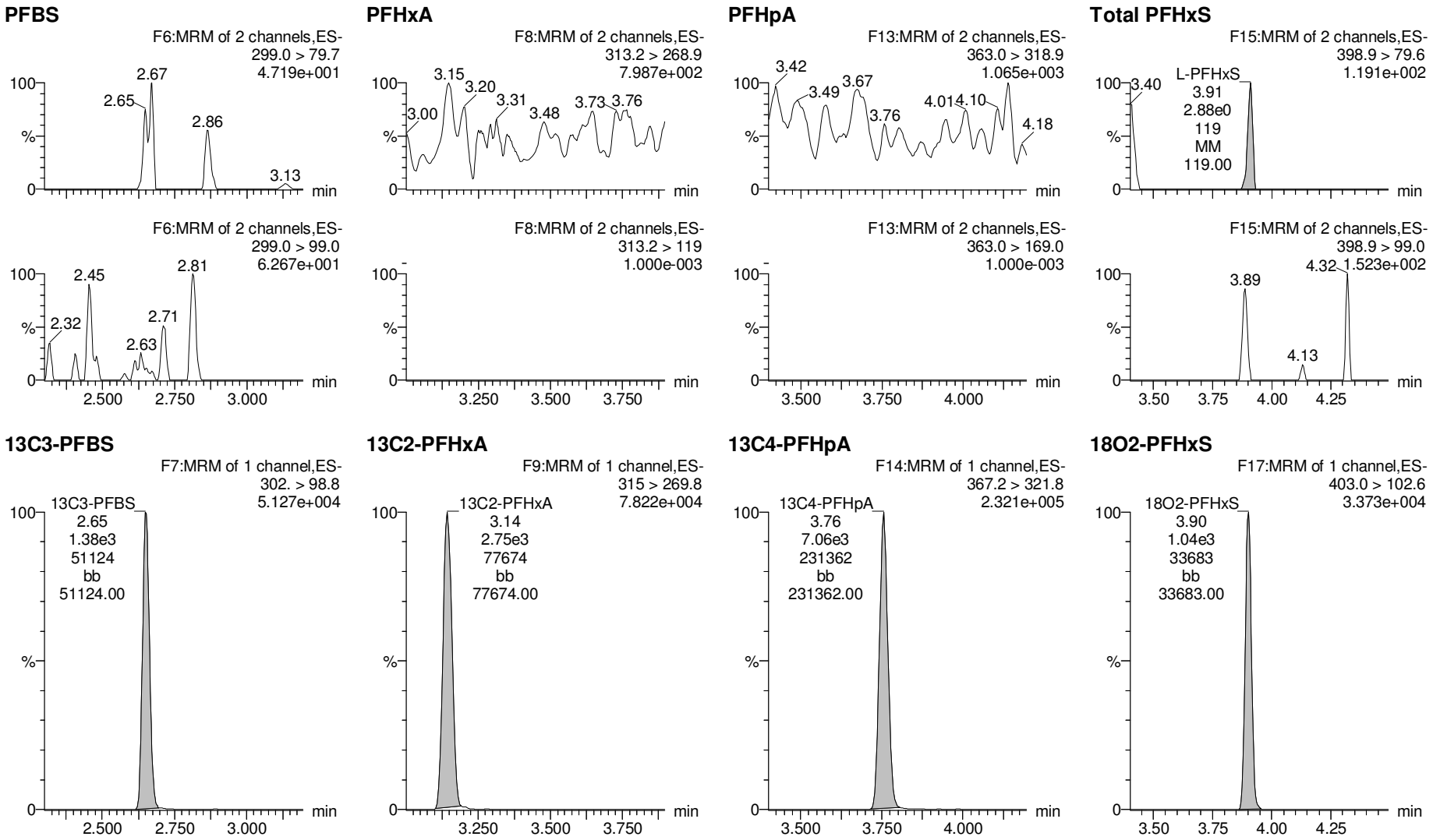
Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

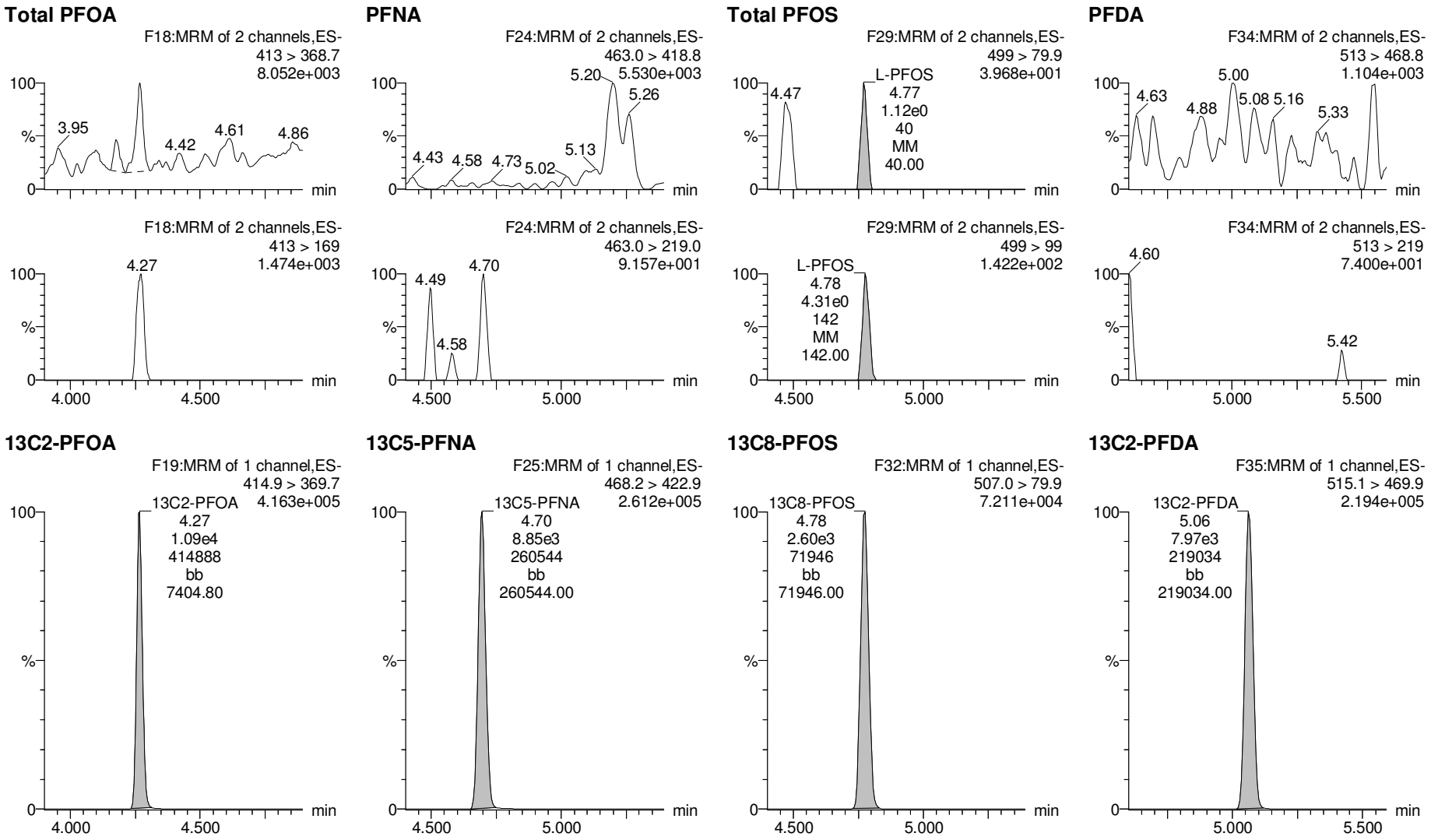


Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

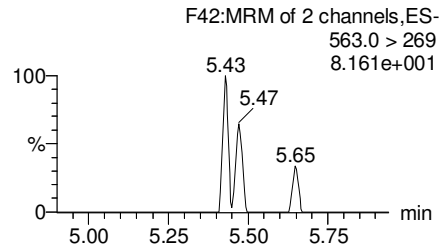
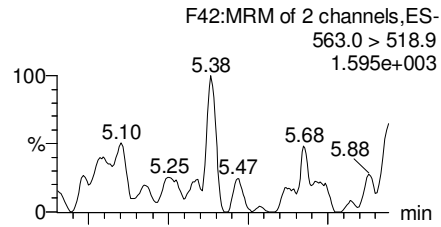


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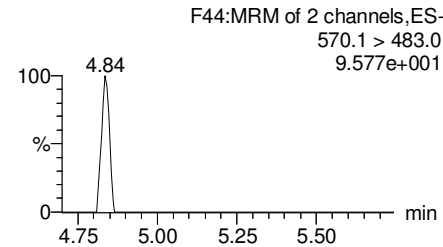
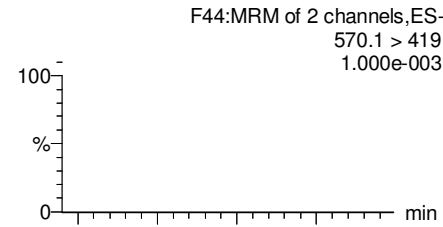
Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time
Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

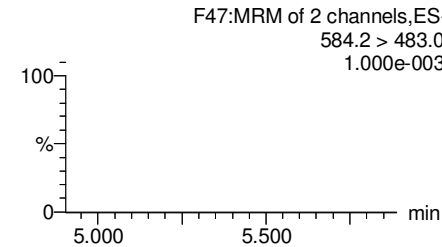
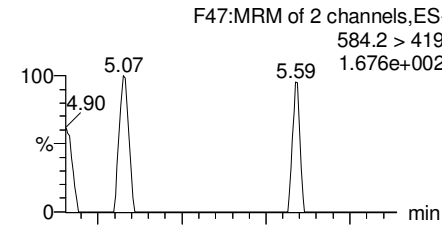
PFUdA



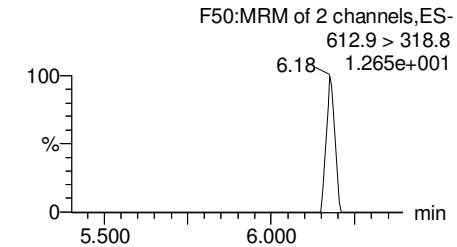
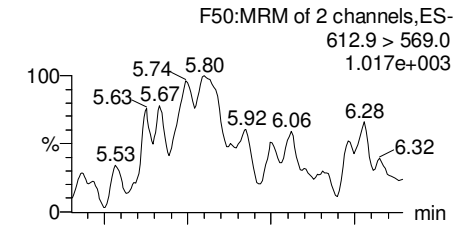
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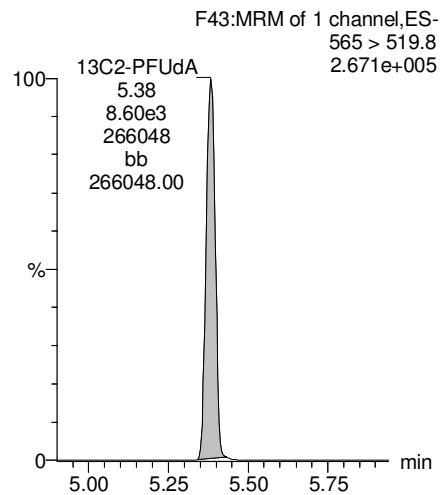
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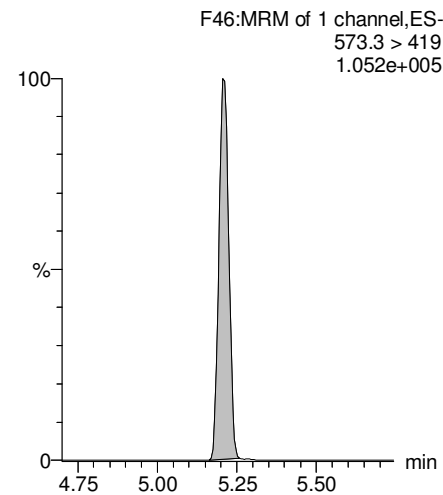
PFDaA



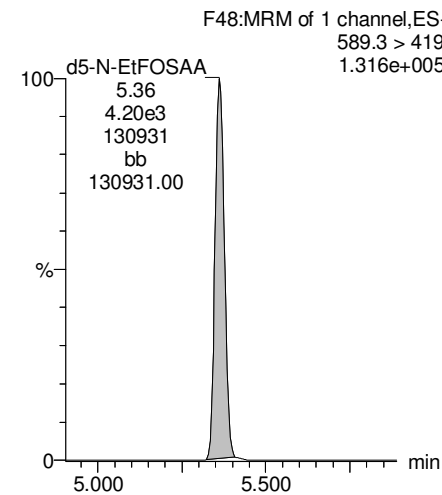
13C2-PFUdA



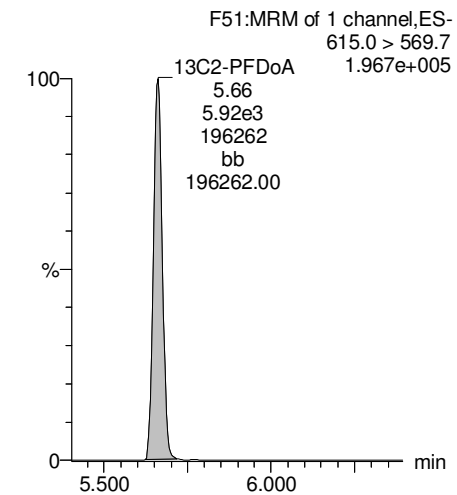
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDaA

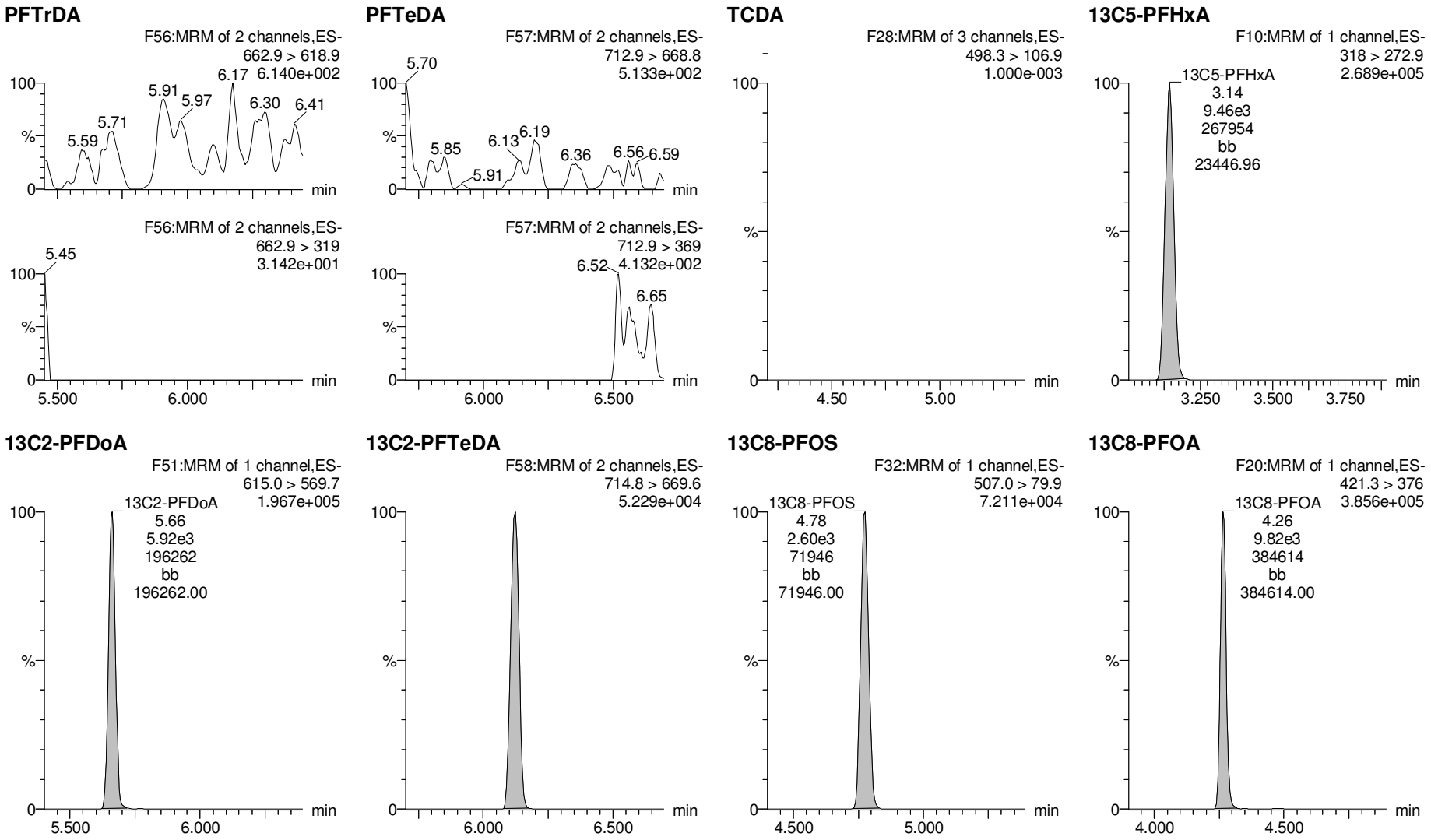


Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117

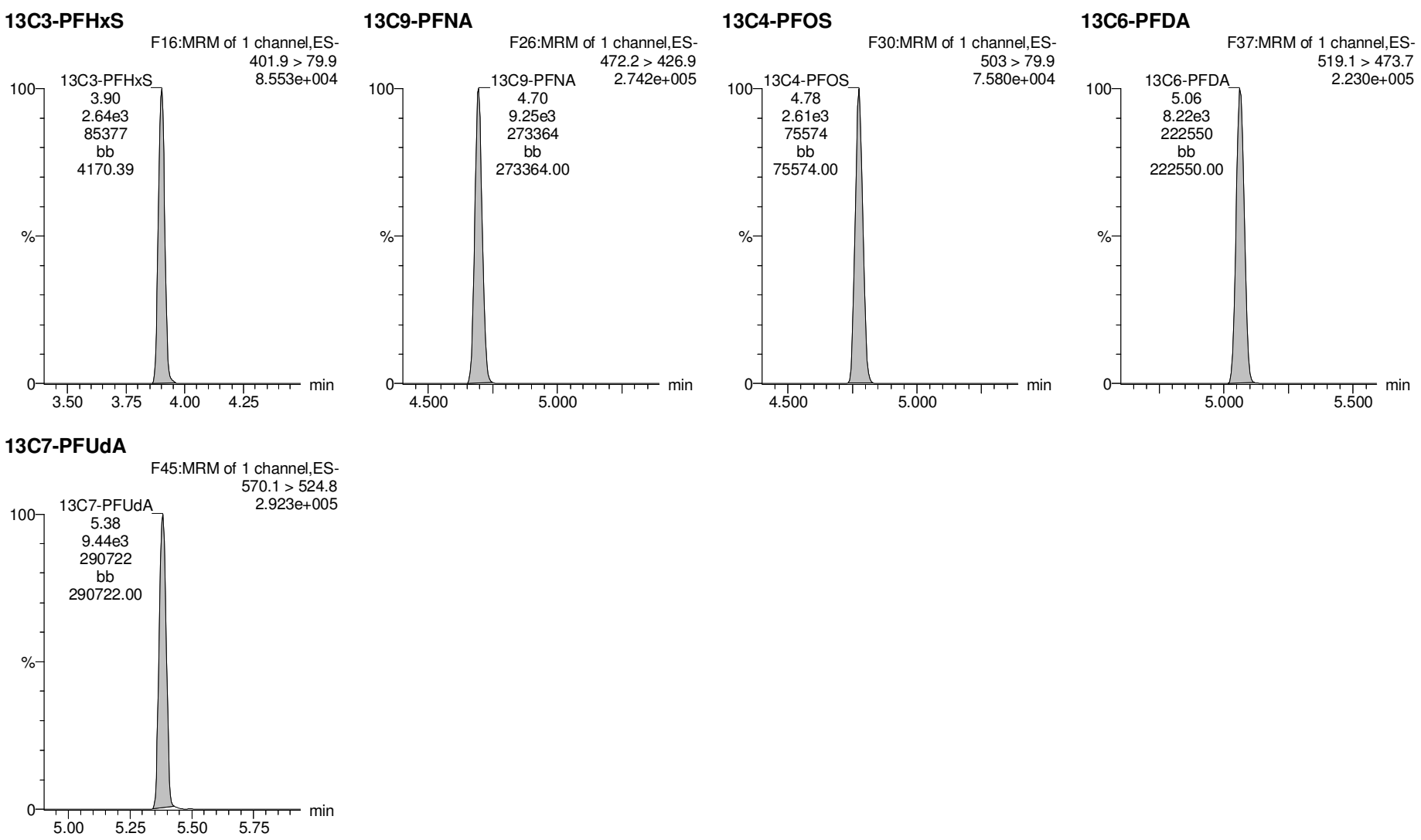


Dataset: U:\Q4.PRO\results\171231M1\171231M1-27.qld

Last Altered: Wednesday, January 03, 2018 09:35:10 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:36:04 Pacific Standard Time

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057, Description: WI-A06-EB07-121117



Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:33 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		1.11e3	0.124		2.70				
2	4 PFHxA	313.2 > 268.9		2.27e3	0.124		3.12				
3	5 PFHpA	363.0 > 318.9		6.15e3	0.124		3.75				
4	6 L-PFHxS	398.9 > 79.6		9.88e2	0.124		3.85				
5	9 L-PFOA	413 > 368.7	1.62e2	7.70e3	0.124		4.25	4.26	0.262		
6	12 PFNA	463.0 > 418.8		8.08e3	0.124		4.70				
7	14 L-PFOS	499 > 79.9		2.27e3	0.124		4.75				
8	16 PFDA	513 > 468.8		5.29e3	0.124		5.05				
9	18 N-MeFOSAA	570.1 > 419		2.70e3	0.124		5.20				
10	19 N-EtFOSAA	584.2 > 419		2.95e3	0.124		5.42				
11	20 PFUdA	563.0 > 518.9		7.06e3	0.124		5.35				
12	22 PFDoA	612.9 > 569.0		4.96e3	0.124		5.70				

Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		4.96e3	0.124		5.95				
2	25 PFTeDA	712.9 > 668.8		1.52e3	0.124		6.16				
3	33 13C3-PFBS	302. > 98.8	1.11e3	7.99e3	0.124	0.103	2.70	2.65	1.74	136.6737	135.1
4	34 13C2-PFHxA	315 > 269.8	2.27e3	7.99e3	0.124	0.619	3.20	3.14	3.56	46.5036	114.9
5	35 13C4-PFHpA	367.2 > 321.8	6.15e3	7.99e3	0.124	0.634	3.80	3.76	9.62	122.9306	121.5
6	36 18O2-PFHxS	403.0 > 102.6	9.88e2	2.58e3	0.124	0.320	3.95	3.90	4.79	121.2402	119.8
7	37 13C2-6:2 FTS	429.1 > 408.9	2.29e3	8.34e3	0.124	0.244	4.26	4.21	3.43	113.6844	112.4
8	38 13C2-PFOA	414.9 > 369.7	7.70e3	8.34e3	0.124	1.046	4.32	4.26	11.5	89.2665	88.2
9	39 13C5-PFNA	468.2 > 422.9	8.08e3	1.05e4	0.124	0.838	4.75	4.70	9.66	93.2200	92.1
10	40 13C8-PFOSA	506.1 > 77.7	1.23e3	8.49e3	0.124	0.162	4.81	4.77	1.81	90.4055	89.4
11	41 13C8-PFOS	507.0 > 79.9	2.27e3	2.35e3	0.124	0.863	4.83	4.78	12.1	113.2913	112.0
12	42 13C2-PFDA	515.1 > 469.9	5.29e3	7.61e3	0.124	0.828	5.11	5.06	8.69	84.9247	83.9
13	43 13C2-8:2 FTS	529.1 > 508.7	1.10e3	7.99e3	0.124	0.139	5.09	5.03	1.71	99.8110	98.7
14	44 d3-N-MeFOSAA	573.3 > 419	2.70e3	8.49e3	0.124	0.306	5.26	5.21	3.98	105.1749	104.0
15	45 d5-N-EtFOSAA	589.3 > 419	2.95e3	8.49e3	0.124	0.346	5.42	5.36	4.34	101.5680	100.4
16	46 13C2-PFUDa	565 > 519.8	7.06e3	8.49e3	0.124	0.842	5.43	5.38	10.4	99.8301	98.7
17	47 13C2-PFDoA	615.0 > 569.7	4.96e3	8.49e3	0.124	0.714	5.70	5.66	7.31	82.8400	81.9
18	49 13C2-PFTeDA	714.8 > 669.6	1.52e3	8.49e3	0.124	0.236	6.16	6.12	2.23	76.3741	75.5
19	55 13C5-PFHxA	318 > 272.9	7.99e3	7.99e3	0.124	1.000	3.20	3.14	12.5	101.1736	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.58e3	2.58e3	0.124	1.000	3.95	3.90	12.5	101.1736	100.0
21	57 13C8-PFOA	421.3 > 376	8.34e3	8.34e3	0.124	1.000	4.32	4.26	12.5	101.1736	100.0
22	58 13C9-PFNA	472.2 > 426.9	1.05e4	1.05e4	0.124	1.000	4.75	4.70	12.5	101.1736	100.0
23	59 13C4-PFOS	503 > 79.9	2.35e3	2.35e3	0.124	1.000	4.83	4.78	12.5	101.1736	100.0
24	60 13C6-PFDA	519.1 > 473.7	7.61e3	7.61e3	0.124	1.000	5.11	5.06	12.5	101.1736	100.0
25	61 13C7-PFUDa	570.1 > 524.8	8.49e3	8.49e3	0.124	1.000	5.43	5.38	12.5	101.1736	100.0
26	62 Total PFHxS	398.9 > 79.6	0.00e0	9.88e2	0.124		4.00		0.000		
27	63 Total PFOA	413 > 368.7	1.62e2	7.70e3	0.124		4.30		0.000		
28	64 Total PFOS	499 > 79.9	0.00e0	2.27e3	0.124		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	2.70e3	0.124		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	2.95e3	0.124		5.40		0.000		

Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

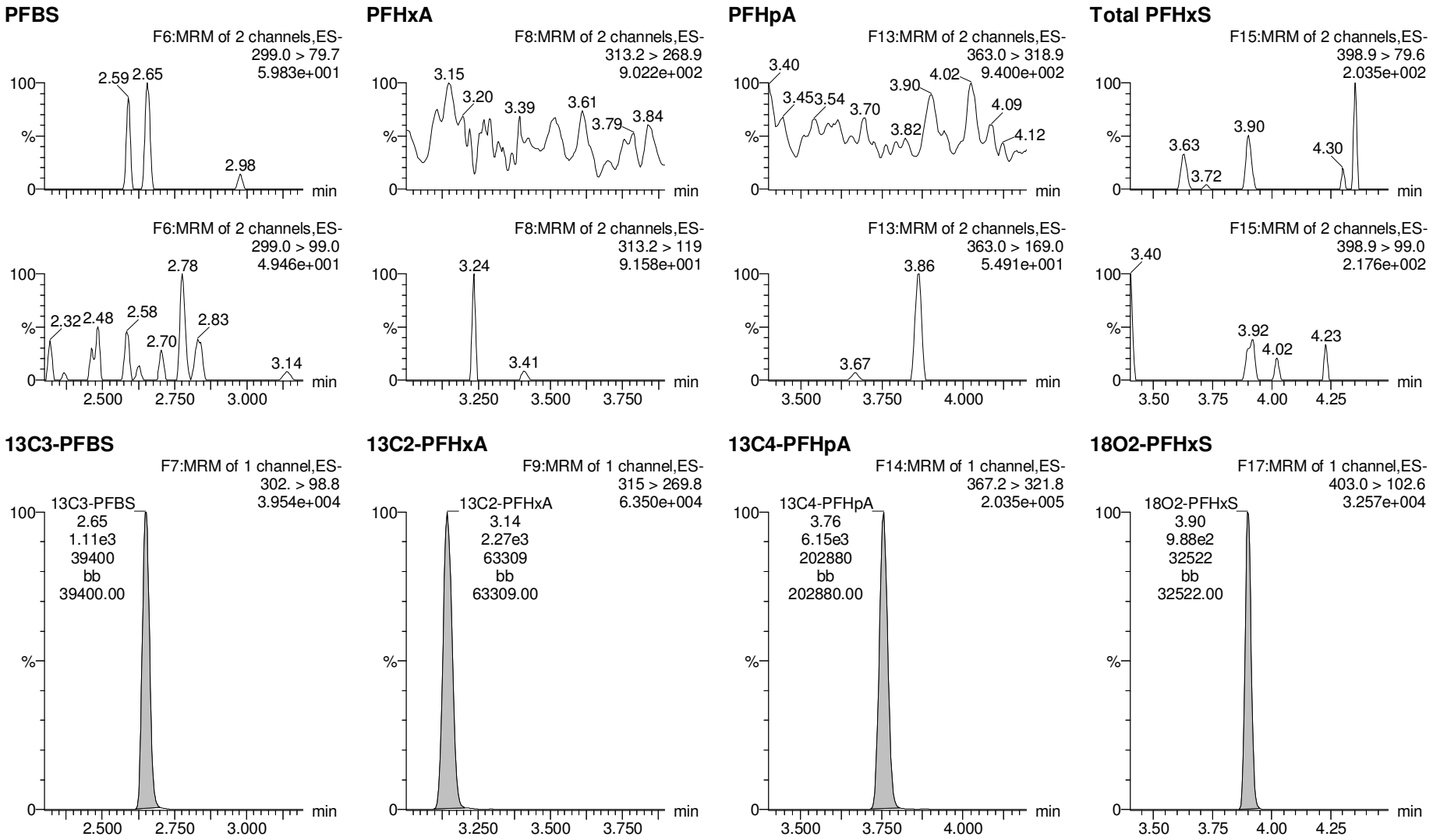
Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217

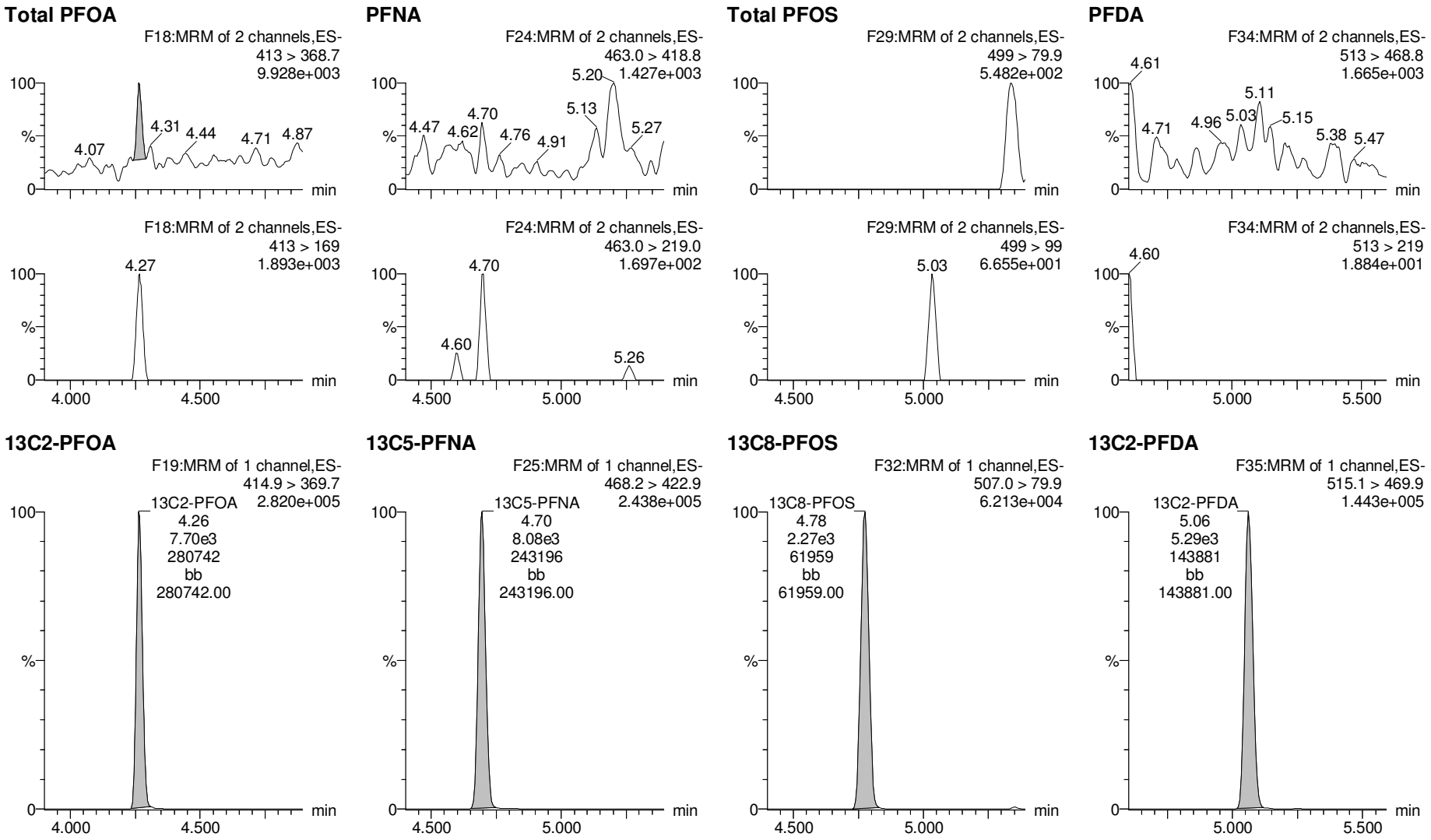


Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217

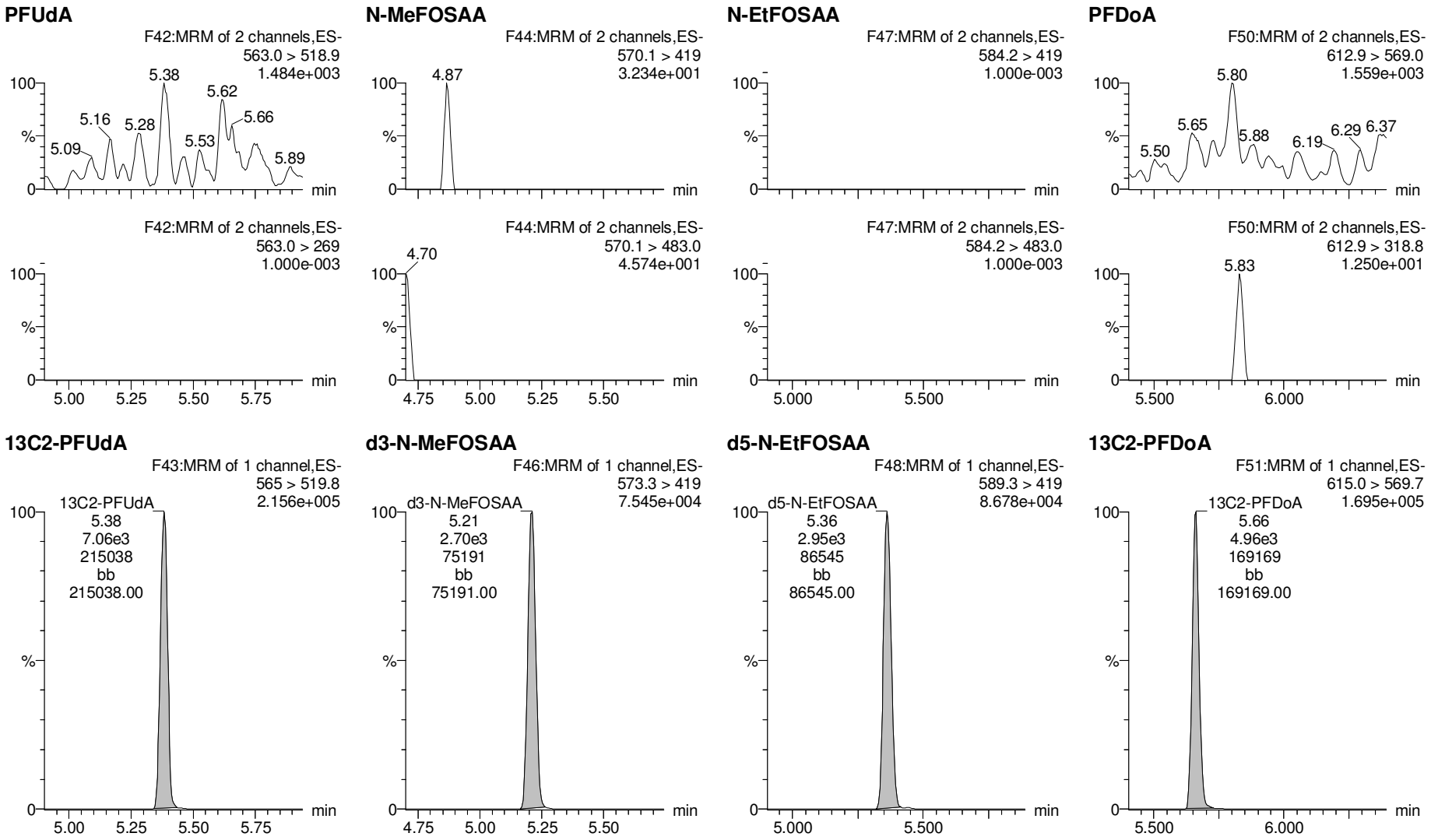


Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217



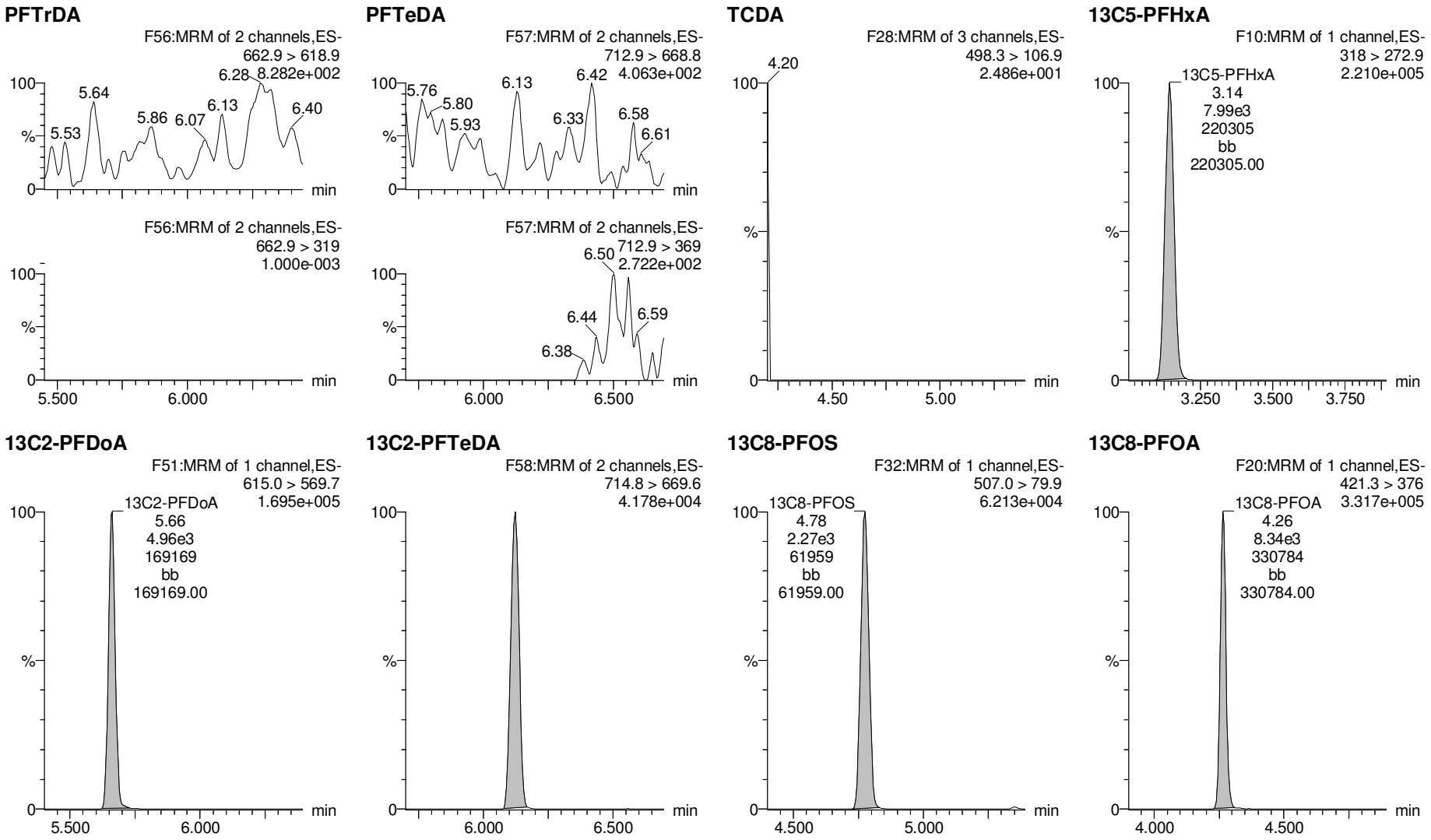
Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Rev'd: MM 1/3/18

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217

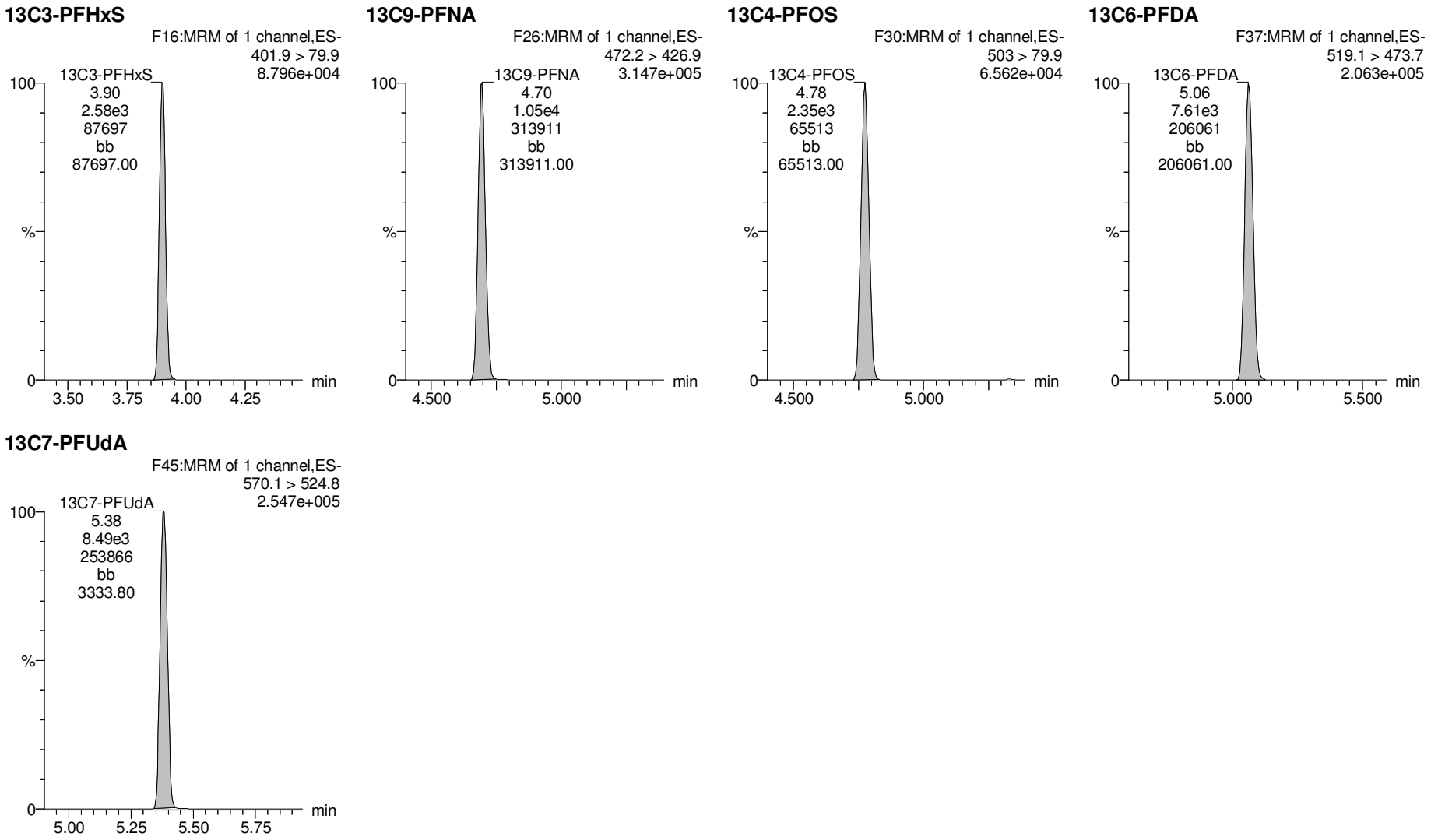


Dataset: U:\Q4.PRO\results\171231M1\171231M1-28.qld

Last Altered: Wednesday, January 03, 2018 09:37:04 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:41:45 Pacific Standard Time

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355, Description: WI-A06-6-S-08-1217



Dataset: U:\Q4.PRO\results\171230M2\171230M2-33.qld

Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:46:14 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.27e3	0.123		2.70				
2	4	PFHxA	313.2 > 268.9		3.06e3	0.123		3.12				
3	5	PFHpA	363.0 > 318.9		7.87e3	0.123		3.75				
4	6	L-PFHxS	398.9 > 79.6		1.01e3	0.123		3.85				
5	9	L-PFOA	413 > 368.7	2.51e2	1.15e4	0.123		4.25	4.26	0.273	0.3006	
6	12	PFNA	463.0 > 418.8		8.09e3	0.123		4.70				
7	14	L-PFOS	499 > 79.9		2.82e3	0.123		4.75				
8	16	PFDA	513 > 468.8		6.85e3	0.123		5.05				
9	18	N-MeFOSAA	570.1 > 419		3.57e3	0.123		5.20				
10	19	N-EtFOSAA	584.2 > 419		3.38e3	0.123		5.42				
11	20	PFUdA	563.0 > 518.9		7.95e3	0.123		5.35				
12	22	PFDoA	612.9 > 569.0		5.88e3	0.123		5.70				

Dataset: U:\Q4.PRO\results\171230M2\171230M2-33.qld

Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	24 PFTTrDA	662.9 > 618.9		5.88e3	0.123		5.95				
2	25 PFTeDA	712.9 > 668.8		1.99e3	0.123		6.16				
3	33 13C3-PFBS	302. > 98.8	1.27e3	1.08e4	0.123	0.108	2.70	2.63	1.48	111.7204	109.5
4	34 13C2-PFHxA	315 > 269.8	3.06e3	1.08e4	0.123	0.636	3.20	3.13	3.56	45.6792	112.0
5	35 13C4-PFHpA	367.2 > 321.8	7.87e3	1.08e4	0.123	0.652	3.80	3.74	9.14	114.3878	112.1
6	36 18O2-PFHxS	403.0 > 102.6	1.01e3	2.89e3	0.123	0.321	3.95	3.89	4.38	111.5047	109.3
7	37 13C2-6:2 FTS	429.1 > 408.9	2.77e3	1.01e4	0.123	0.192	4.26	4.20	3.43	145.6838	142.8
8	38 13C2-PFOA	414.9 > 369.7	1.15e4	1.01e4	0.123	0.945	4.32	4.26	14.2	123.0371	120.6
9	39 13C5-PFNA	468.2 > 422.9	8.09e3	1.07e4	0.123	0.832	4.75	4.69	9.42	92.3465	90.5
10	40 13C8-PFOSA	506.1 > 77.7	7.35e2	1.13e4	0.123	0.204	4.81	4.75	0.810	32.4323	31.8
11	41 13C8-PFOS	507.0 > 79.9	2.82e3	2.51e3	0.123	0.948	4.83	4.77	14.0	120.7261	118.4
12	42 13C2-PFDA	515.1 > 469.9	6.85e3	8.81e3	0.123	0.986	5.11	5.06	9.71	80.3582	78.8
13	43 13C2-8:2 FTS	529.1 > 508.7	1.94e3	1.08e4	0.123	0.124	5.09	5.03	2.26	147.8269	144.9
14	44 d3-N-MeFOSAA	573.3 > 419	3.57e3	1.13e4	0.123	0.391	5.26	5.21	3.94	82.1506	80.5
15	45 d5-N-EtFOSAA	589.3 > 419	3.38e3	1.13e4	0.123	0.451	5.42	5.36	3.72	67.3422	66.0
16	46 13C2-PFUDa	565 > 519.8	7.95e3	1.13e4	0.123	0.900	5.43	5.38	8.77	79.4840	77.9
17	47 13C2-PFDOa	615.0 > 569.7	5.88e3	1.13e4	0.123	0.617	5.70	5.66	6.48	85.7649	84.1
18	49 13C2-PFTeDA	714.8 > 669.6	1.99e3	1.13e4	0.123	0.196	6.16	6.12	2.20	91.4481	89.7
19	55 13C5-PFHxA	318 > 272.9	1.08e4	1.08e4	0.123	1.000	3.20	3.12	12.5	101.9992	100.0
20	56 13C3-PFHxS	401.9 > 79.9	2.89e3	2.89e3	0.123	1.000	3.95	3.89	12.5	101.9992	100.0
21	57 13C8-PFOA	421.3 > 376	1.01e4	1.01e4	0.123	1.000	4.32	4.26	12.5	101.9992	100.0
22	58 13C9-PFNA	472.2 > 426.9	1.07e4	1.07e4	0.123	1.000	4.75	4.69	12.5	101.9992	100.0
23	59 13C4-PFOS	503 > 79.9	2.51e3	2.51e3	0.123	1.000	4.83	4.76	12.5	101.9992	100.0
24	60 13C6-PFDA	519.1 > 473.7	8.81e3	8.81e3	0.123	1.000	5.11	5.06	12.5	101.9992	100.0
25	61 13C7-PFUDa	570.1 > 524.8	1.13e4	1.13e4	0.123	1.000	5.43	5.38	12.5	101.9992	100.0
26	62 Total PFHxS	398.9 > 79.6	0.00e0	1.01e3	0.123		4.00		0.000		
27	63 Total PFOA	413 > 368.7	2.51e2	1.15e4	0.123		4.30		0.273	0.3006	
28	64 Total PFOS	499 > 79.9	0.00e0	2.82e3	0.123		4.80		0.000		
29	65 Total N-MeFOSAA	570.1 > 419	0.00e0	3.57e3	0.123		5.20		0.000		
30	66 Total N-EtFOSAA	584.2 > 419	0.00e0	3.38e3	0.123		5.40		0.000		

Dataset: U:\Q4.PRO\results\171230M2\171230M2-33.qld

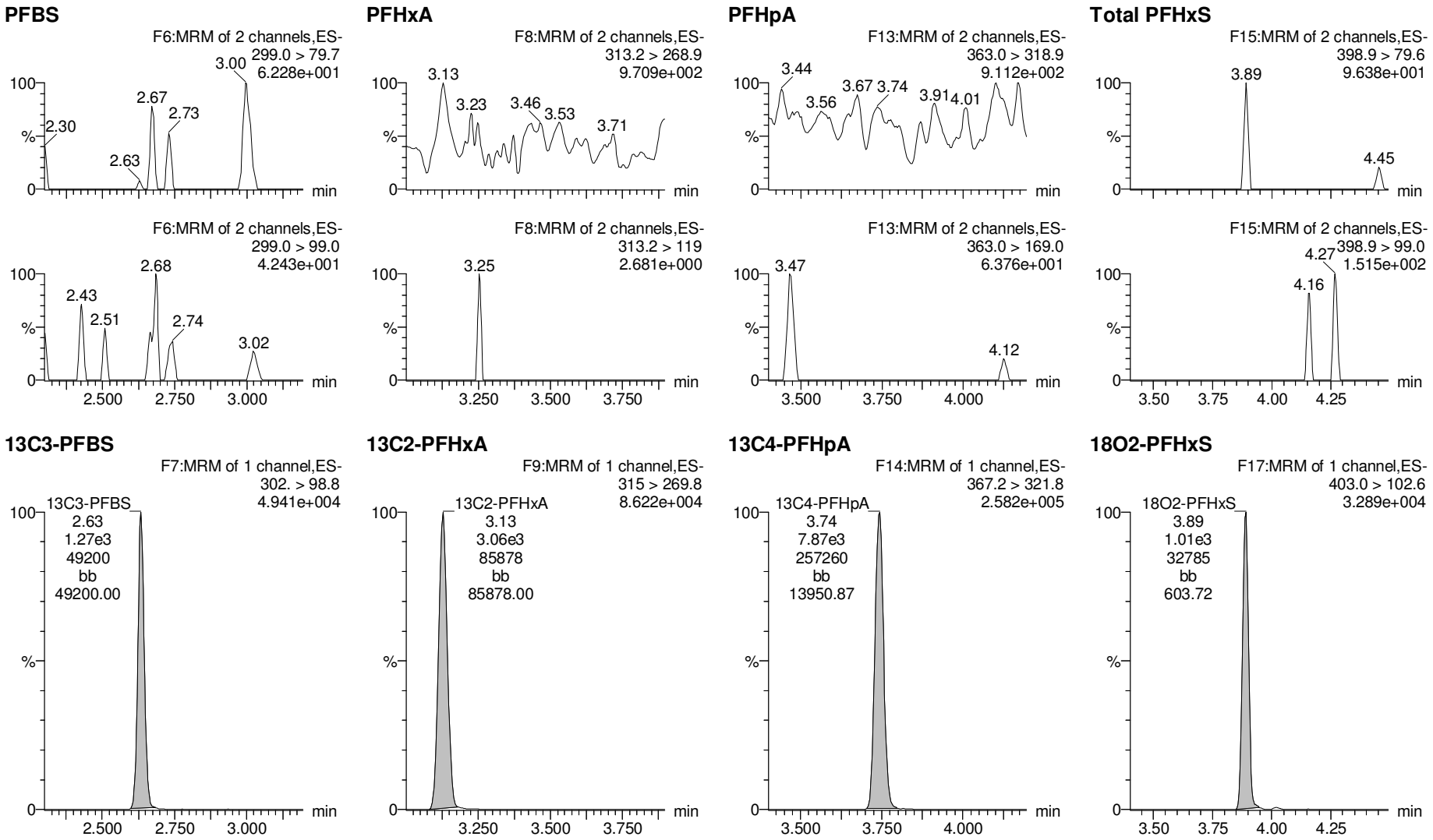
Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217



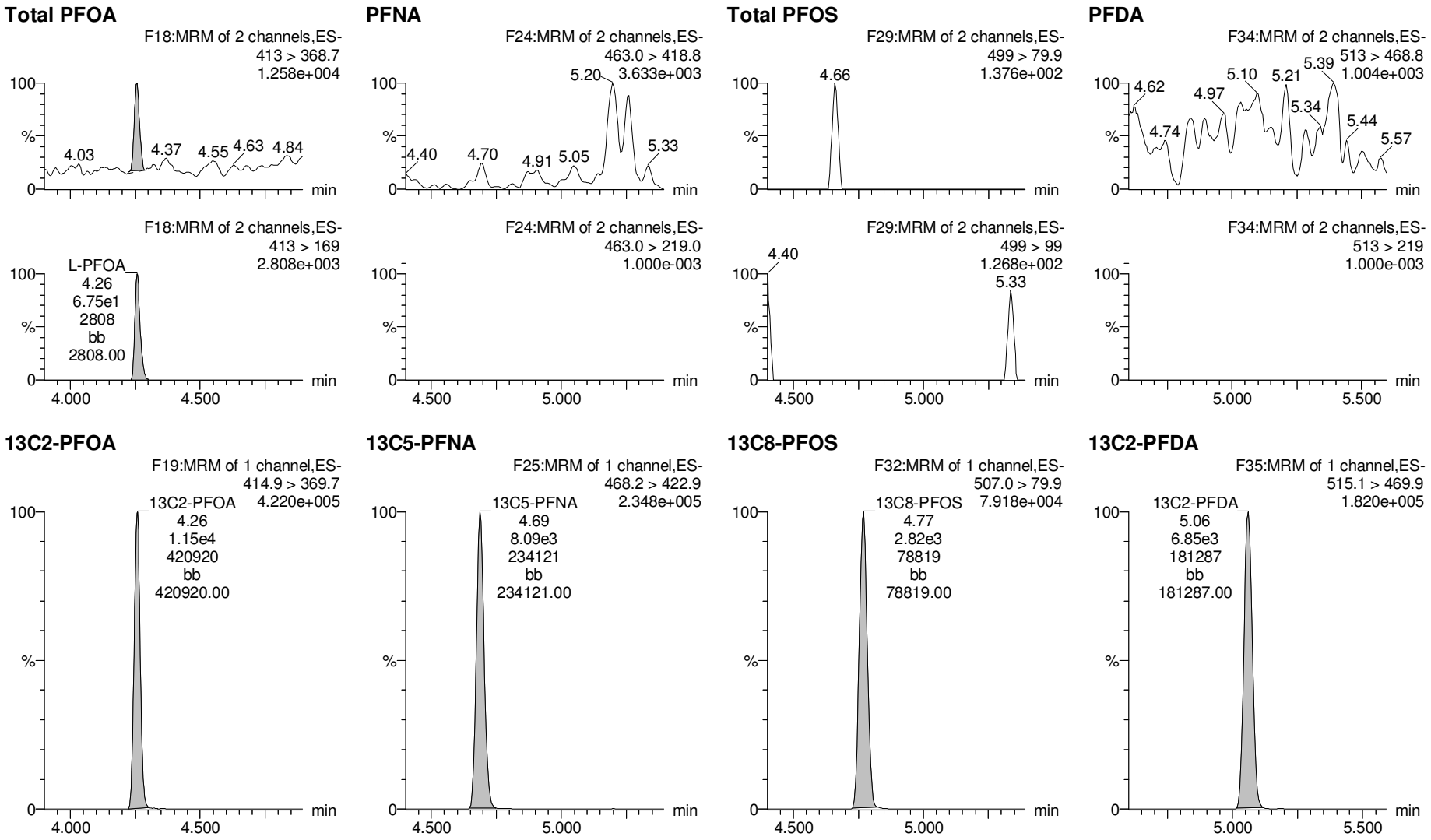
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Rev'd: MM 1/3/18

Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217



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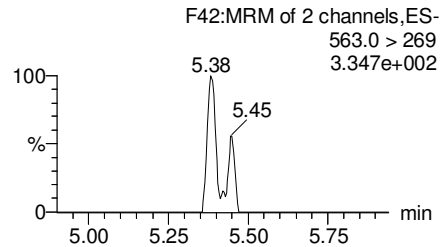
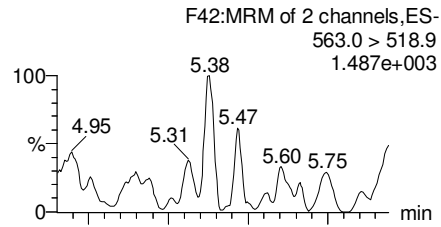
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Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

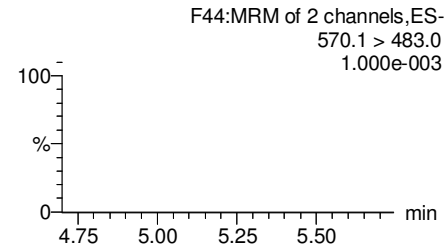
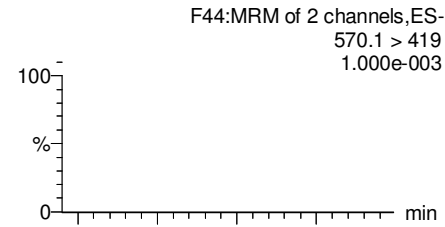
Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217

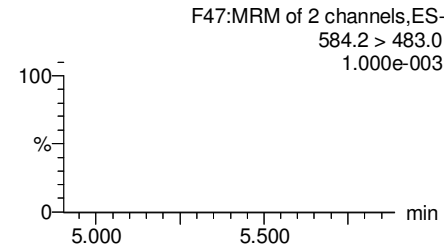
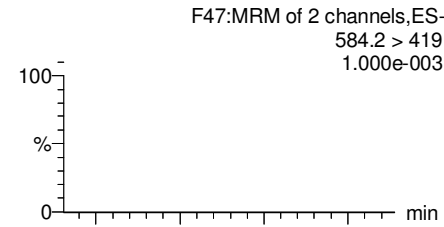
PFUdA



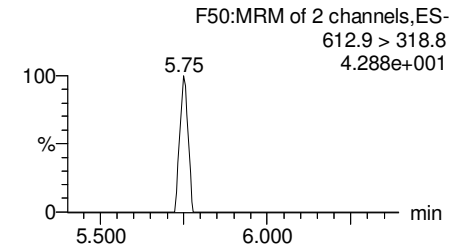
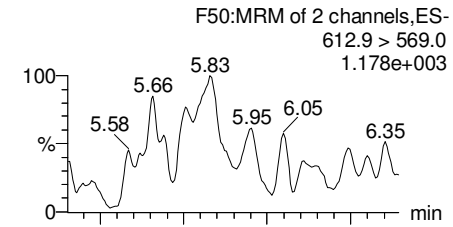
N-MeFOSAA



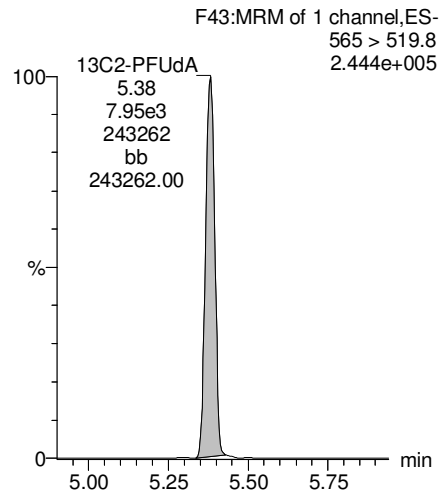
N-EtFOSAA



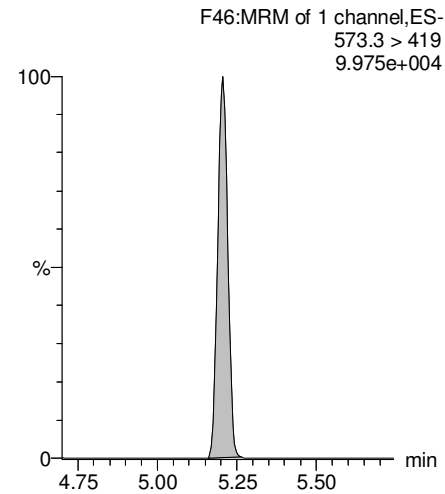
PFDaA



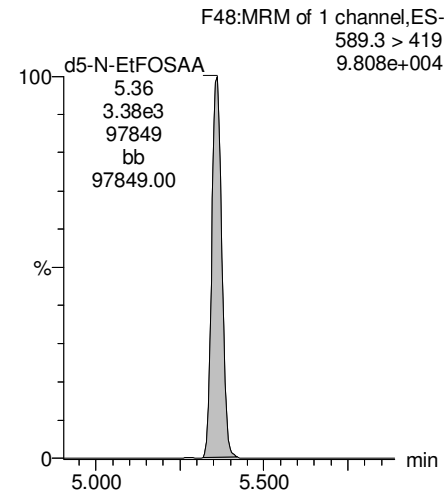
13C2-PFUdA



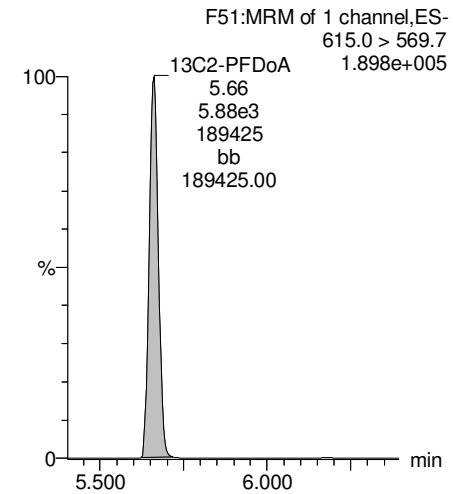
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDaA



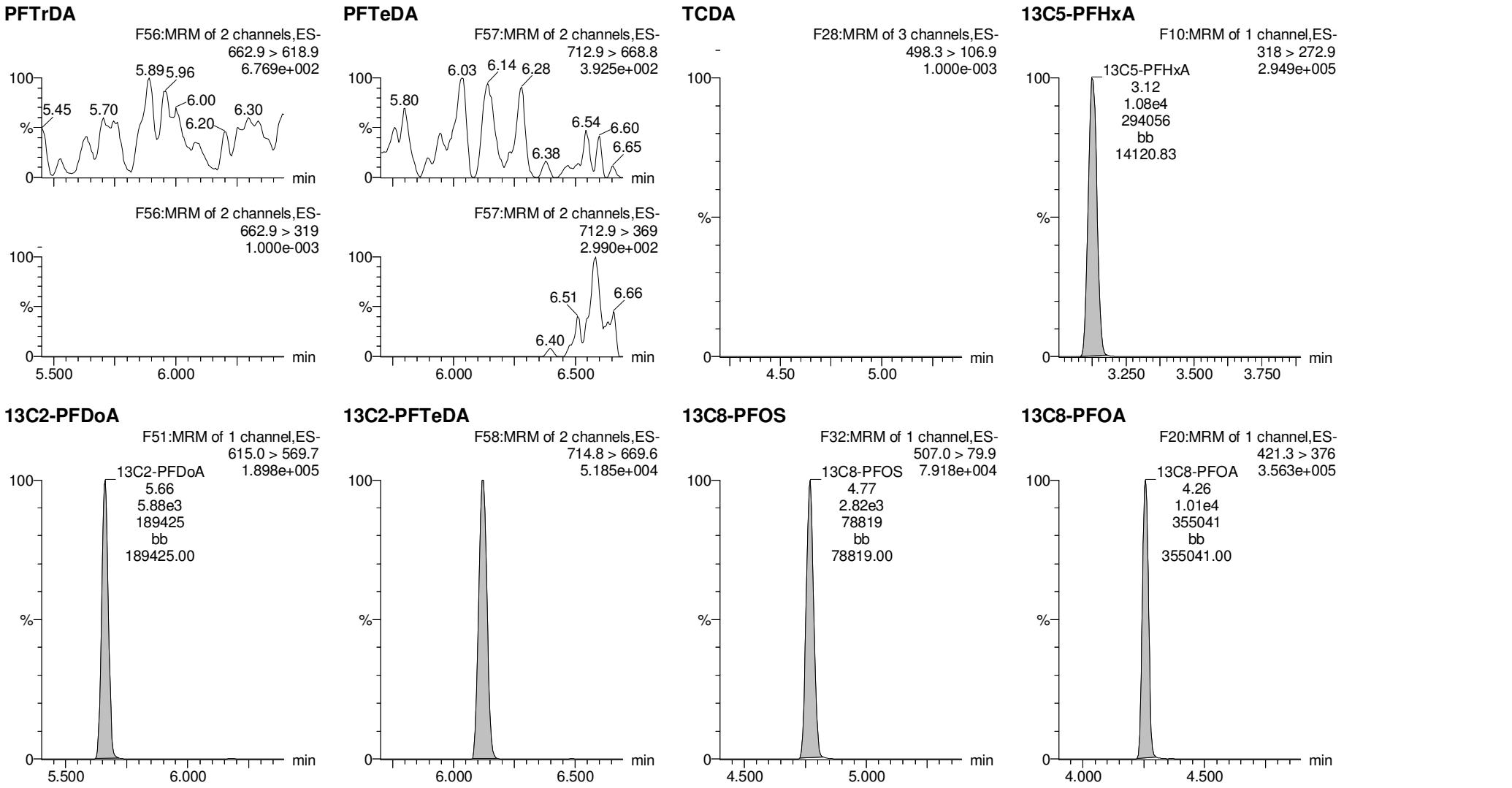
Dataset: U:\Q4.PRO\results\171230M2\171230M2-33.qld

Rev'd: MM 1/3/18

Last Altered: Wednesday, January 03, 2018 09:45:40 Pacific Standard Time

Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217

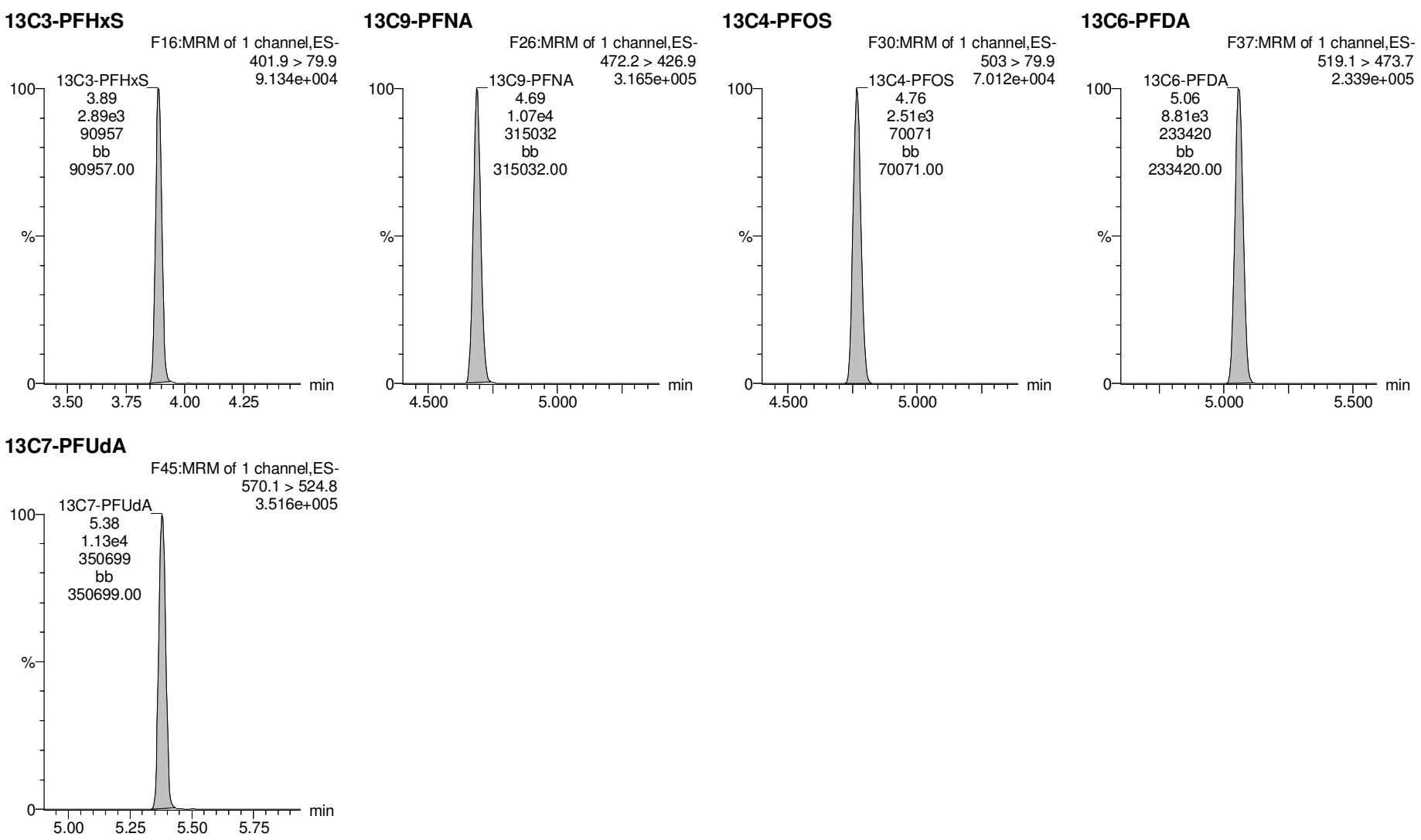


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Printed: Wednesday, January 03, 2018 09:46:49 Pacific Standard Time

Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217



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

Dataset: U:\Q4.PRO\results\171230M2\171230M2-IIS AREAS.qld

Last Altered: Sunday, December 31, 2017 13:12:13 Pacific Standard Time

Printed: Sunday, December 31, 2017 13:23:17 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-12-29-17.mdb 30 Dec 2017 10:03:31

Calibration: 31 Dec 2017 13:12:13

Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171230M1-1 PFC CS0 17L2608	1.46e4	100.0	NO
2	2 13C5-PFHxA	ST171230M1-1 PFC CS0 17L2608	1.73e4	100.0	NO
3	3 13C3-PFHxS	ST171230M1-1 PFC CS0 17L2608	4.54e3	100.0	NO
4	4 13C8-PFOA	ST171230M1-1 PFC CS0 17L2608	1.74e4	100.0	NO
5	5 13C9-PFNA	ST171230M1-1 PFC CS0 17L2608	1.79e4	100.0	NO
6	6 13C4-PFOS	ST171230M1-1 PFC CS0 17L2608	3.92e3	100.0	NO
7	7 13C6-PFDA	ST171230M1-1 PFC CS0 17L2608	1.74e4	100.0	NO
8	8 13C7-PFUDa	ST171230M1-1 PFC CS0 17L2608	1.67e4	100.0	NO

Name: 171230M2_3, Date: 30-Dec-2017, Time: 11:33:12, ID: IPA, Description: IPA

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

Name: 171230M2_4, Date: 30-Dec-2017, Time: 11:44:23, ID: 1701802-08RE1 FC-MW02IR1-P2-20171128 0.2755, Description: FC-MW02IR1-P2-20171128

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701802-08RE1 FC-MW02IR1-P2-201...	5.72e3	39.1	YES
2	2 13C5-PFHxA	1701802-08RE1 FC-MW02IR1-P2-201...	7.99e3	46.2	YES
3	3 13C3-PFHxS	1701802-08RE1 FC-MW02IR1-P2-201...	2.02e3	44.5	YES
4	4 13C8-PFOA	1701802-08RE1 FC-MW02IR1-P2-201...	6.70e3	38.4	YES
5	5 13C9-PFNA	1701802-08RE1 FC-MW02IR1-P2-201...	7.55e3	42.2	YES
6	6 13C4-PFOS	1701802-08RE1 FC-MW02IR1-P2-201...	2.47e3	62.9	NO
7	7 13C6-PFDA	1701802-08RE1 FC-MW02IR1-P2-201...	6.83e3	39.3	YES
8	8 13C7-PFUDa	1701802-08RE1 FC-MW02IR1-P2-201...	9.67e3	58.0	NO

Name: 171230M2_5, Date: 30-Dec-2017, Time: 11:55:33, ID: 1701802-09RE1 FC-MW02IR1-P3-20171128 0.26252, Description: FC-MW02IR1-P3-20171128

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701802-09RE1 FC-MW02IR1-P3-201...	6.71e3	45.8	YES
2	2 13C5-PFHxA	1701802-09RE1 FC-MW02IR1-P3-201...	9.25e3	53.5	NO
3	3 13C3-PFHxS	1701802-09RE1 FC-MW02IR1-P3-201...	2.13e3	46.9	YES
4	4 13C8-PFOA	1701802-09RE1 FC-MW02IR1-P3-201...	6.93e3	39.7	YES
5	5 13C9-PFNA	1701802-09RE1 FC-MW02IR1-P3-201...	8.60e3	48.1	YES
6	6 13C4-PFOS	1701802-09RE1 FC-MW02IR1-P3-201...	2.18e3	55.6	NO
7	7 13C6-PFDA	1701802-09RE1 FC-MW02IR1-P3-201...	8.16e3	46.9	YES

AC 12/31/17

Dataset: U:\Q4.PRO\results\171230M2\171230M2-IIS AREAS.qld

Last Altered: Sunday, December 31, 2017 13:12:13 Pacific Standard Time

Printed: Sunday, December 31, 2017 13:23:17 Pacific Standard Time

Name: 171230M2_5, Date: 30-Dec-2017, Time: 11:55:33, ID: 1701802-09RE1 FC-MW02IR1-P3-20171128 0.26252, Description: FC-MW02IR1-P3-20171128

	# Name	ID	Area	%Rec	Area Out
8	8 13C7-PFUDa	1701802-09RE1 FC-MW02IR1-P3-201...	7.66e3	45.9	YES

Name: 171230M2_6, Date: 30-Dec-2017, Time: 12:06:44, ID: IPA, Description: IPA

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

Name: 171230M2_7, Date: 30-Dec-2017, Time: 12:17:55, ID: B7L0171-BS1 OPR 0.25, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7L0171-BS1 OPR 0.25	8.63e3	59.0	NO
2	2 13C5-PFHxA	B7L0171-BS1 OPR 0.25	9.83e3	56.9	NO
3	3 13C3-PFHxS	B7L0171-BS1 OPR 0.25	2.73e3	60.2	NO
4	4 13C8-PFOA	B7L0171-BS1 OPR 0.25	1.03e4	59.2	NO
5	5 13C9-PFNA	B7L0171-BS1 OPR 0.25	9.75e3	54.5	NO
6	6 13C4-PFOS	B7L0171-BS1 OPR 0.25	2.64e3	67.4	NO
7	7 13C6-PFDA	B7L0171-BS1 OPR 0.25	8.85e3	50.9	NO
8	8 13C7-PFUDa	B7L0171-BS1 OPR 0.25	7.23e3	43.4	YES

Name: 171230M2_8, Date: 30-Dec-2017, Time: 12:29:06, ID: IPA, Description: IPA

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

Name: 171230M2_9, Date: 30-Dec-2017, Time: 12:40:16, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7L0171-BLK1 Method Blank 0.25	9.32e3	63.6	NO
2	2 13C5-PFHxA	B7L0171-BLK1 Method Blank 0.25	1.16e4	67.0	NO
3	3 13C3-PFHxS	B7L0171-BLK1 Method Blank 0.25	2.74e3	60.3	NO
4	4 13C8-PFOA	B7L0171-BLK1 Method Blank 0.25	9.54e3	54.7	NO
5	5 13C9-PFNA	B7L0171-BLK1 Method Blank 0.25	9.65e3	54.0	NO
6	6 13C4-PFOS	B7L0171-BLK1 Method Blank 0.25	2.83e3	72.2	NO

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Name: 171230M2_9, Date: 30-Dec-2017, Time: 12:40:16, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
7	7	13C6-PFDA	B7L0171-BLK1 Method Blank 0.25	8.24e3	47.4	YES
8	8	13C7-PFUDa	B7L0171-BLK1 Method Blank 0.25	1.20e4	71.9	NO

Name: 171230M2_10, Date: 30-Dec-2017, Time: 12:51:27, ID: B7L0171-MS1 Matrix Spike 0.25217, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0171-MS1 Matrix Spike 0.25217	8.66e3	59.2	NO
2	2	13C5-PFHxA	B7L0171-MS1 Matrix Spike 0.25217	1.05e4	61.0	NO
3	3	13C3-PFHxS	B7L0171-MS1 Matrix Spike 0.25217	2.55e3	56.2	NO
4	4	13C8-PFOA	B7L0171-MS1 Matrix Spike 0.25217	1.02e4	58.2	NO
5	5	13C9-PFNA	B7L0171-MS1 Matrix Spike 0.25217	8.52e3	47.6	YES
6	6	13C4-PFOS	B7L0171-MS1 Matrix Spike 0.25217	3.03e3	77.3	NO
7	7	13C6-PFDA	B7L0171-MS1 Matrix Spike 0.25217	8.20e3	47.2	YES
8	8	13C7-PFUDa	B7L0171-MS1 Matrix Spike 0.25217	1.04e4	62.3	NO

Name: 171230M2_11, Date: 30-Dec-2017, Time: 13:02:38, ID: B7L0171-MSD1 Matrix Spike Dup 0.2644, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0171-MSD1 Matrix Spike Dup 0.2644	8.83e3	60.3	NO
2	2	13C5-PFHxA	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.06e4	61.1	NO
3	3	13C3-PFHxS	B7L0171-MSD1 Matrix Spike Dup 0.2644	3.20e3	70.4	NO
4	4	13C8-PFOA	B7L0171-MSD1 Matrix Spike Dup 0.2644	9.64e3	55.3	NO
5	5	13C9-PFNA	B7L0171-MSD1 Matrix Spike Dup 0.2644	9.58e3	53.6	NO
6	6	13C4-PFOS	B7L0171-MSD1 Matrix Spike Dup 0.2644	2.86e3	73.0	NO
7	7	13C6-PFDA	B7L0171-MSD1 Matrix Spike Dup 0.2644	8.04e3	46.3	YES
8	8	13C7-PFUDa	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.18e4	70.9	NO

Name: 171230M2_12, Date: 30-Dec-2017, Time: 13:13:49, ID: 1701929-01 SB01 0.26085, Description: SB01

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-01 SB01 0.26085	8.52e3	58.2	NO
2	2	13C5-PFHxA	1701929-01 SB01 0.26085	1.01e4	58.3	NO
3	3	13C3-PFHxS	1701929-01 SB01 0.26085	2.67e3	58.8	NO
4	4	13C8-PFOA	1701929-01 SB01 0.26085	8.18e3	46.9	YES
5	5	13C9-PFNA	1701929-01 SB01 0.26085	9.70e3	54.2	NO
6	6	13C4-PFOS	1701929-01 SB01 0.26085	2.25e3	57.5	NO
7	7	13C6-PFDA	1701929-01 SB01 0.26085	8.64e3	49.7	YES
8	8	13C7-PFUDa	1701929-01 SB01 0.26085	1.21e4	72.5	NO

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Name: 171230M2_13, Date: 30-Dec-2017, Time: 13:24:59, ID: 1701929-02 EB01 0.26531, Description: EB01

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-02 EB01 0.26531	8.07e3	55.1	NO
2	2 13C5-PFHxA	1701929-02 EB01 0.26531	9.59e3	55.5	NO
3	3 13C3-PFHxS	1701929-02 EB01 0.26531	2.65e3	58.4	NO
4	4 13C8-PFOA	1701929-02 EB01 0.26531	9.60e3	55.0	NO
5	5 13C9-PFNA	1701929-02 EB01 0.26531	9.54e3	53.3	NO
6	6 13C4-PFOS	1701929-02 EB01 0.26531	2.59e3	65.9	NO
7	7 13C6-PFDA	1701929-02 EB01 0.26531	7.22e3	41.6	YES
8	8 13C7-PFUDa	1701929-02 EB01 0.26531	8.69e3	52.1	NO

Name: 171230M2_14, Date: 30-Dec-2017, Time: 13:36:10, ID: 1701929-03 UXOSite11-GW-GMMW04-20171211 0.2532, Description: UXOSite11-GW-GMMW04-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-03 UXOSite11-GW-GMMW04-...	8.03e3	54.9	NO
2	2 13C5-PFHxA	1701929-03 UXOSite11-GW-GMMW04-...	1.01e4	58.3	NO
3	3 13C3-PFHxS	1701929-03 UXOSite11-GW-GMMW04-...	2.89e3	63.7	NO
4	4 13C8-PFOA	1701929-03 UXOSite11-GW-GMMW04-...	1.01e4	58.0	NO
5	5 13C9-PFNA	1701929-03 UXOSite11-GW-GMMW04-...	1.03e4	57.7	NO
6	6 13C4-PFOS	1701929-03 UXOSite11-GW-GMMW04-...	2.87e3	73.1	NO
7	7 13C6-PFDA	1701929-03 UXOSite11-GW-GMMW04-...	6.63e3	38.2	YES
8	8 13C7-PFUDa	1701929-03 UXOSite11-GW-GMMW04-...	9.40e3	56.4	NO

Name: 171230M2_15, Date: 30-Dec-2017, Time: 13:47:20, ID: 1701929-04 UXOSite11-GW-GMMW08-20171211 0.25344, Description: UXOSite11-GW-GMMW08-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-04 UXOSite11-GW-GMMW08-...	8.40e3	57.4	NO
2	2 13C5-PFHxA	1701929-04 UXOSite11-GW-GMMW08-...	1.02e4	59.2	NO
3	3 13C3-PFHxS	1701929-04 UXOSite11-GW-GMMW08-...	2.93e3	64.6	NO
4	4 13C8-PFOA	1701929-04 UXOSite11-GW-GMMW08-...	9.53e3	54.6	NO
5	5 13C9-PFNA	1701929-04 UXOSite11-GW-GMMW08-...	9.47e3	52.9	NO
6	6 13C4-PFOS	1701929-04 UXOSite11-GW-GMMW08-...	2.74e3	69.9	NO
7	7 13C6-PFDA	1701929-04 UXOSite11-GW-GMMW08-...	6.90e3	39.7	YES
8	8 13C7-PFUDa	1701929-04 UXOSite11-GW-GMMW08-...	9.57e3	57.4	NO

Name: 171230M2_16, Date: 30-Dec-2017, Time: 13:58:31, ID: 1701929-05 UXOSite11-GW-GMMW10-20171211 0.26122, Description: UXOSite11-GW-GMMW10-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-05 UXOSite11-GW-GMMW10-...	8.37e3	57.1	NO
2	2 13C5-PFHxA	1701929-05 UXOSite11-GW-GMMW10-...	1.06e4	61.2	NO
3	3 13C3-PFHxS	1701929-05 UXOSite11-GW-GMMW10-...	2.95e3	65.0	NO
4	4 13C8-PFOA	1701929-05 UXOSite11-GW-GMMW10-...	1.11e4	63.5	NO
5	5 13C9-PFNA	1701929-05 UXOSite11-GW-GMMW10-...	1.19e4	66.7	NO
6	6 13C4-PFOS	1701929-05 UXOSite11-GW-GMMW10-...	2.80e3	71.4	NO
7	7 13C6-PFDA	1701929-05 UXOSite11-GW-GMMW10-...	7.51e3	43.2	YES
8	8 13C7-PFUDa	1701929-05 UXOSite11-GW-GMMW10-...	1.09e4	65.5	NO

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Name: 171230M2_17, Date: 30-Dec-2017, Time: 14:09:42, ID: 1701929-06 IRSite13-GW-BUAMW011-20171211 0.26365, Description: IRSite13-GW-BUAMW011-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-06 IRSite13-GW-BUAMW011-...	8.39e3	57.3	NO
2	2	13C5-PFHxA	1701929-06 IRSite13-GW-BUAMW011-...	9.72e3	56.2	NO
3	3	13C3-PFHxS	1701929-06 IRSite13-GW-BUAMW011-...	2.60e3	57.2	NO
4	4	13C8-PFOA	1701929-06 IRSite13-GW-BUAMW011-...	8.54e3	48.9	YES
5	5	13C9-PFNA	1701929-06 IRSite13-GW-BUAMW011-...	1.02e4	57.0	NO
6	6	13C4-PFOS	1701929-06 IRSite13-GW-BUAMW011-...	2.45e3	62.5	NO
7	7	13C6-PFDA	1701929-06 IRSite13-GW-BUAMW011-...	7.67e3	44.2	YES
8	8	13C7-PFUDa	1701929-06 IRSite13-GW-BUAMW011-...	1.03e4	61.8	NO

Name: 171230M2_18, Date: 30-Dec-2017, Time: 14:20:53, ID: 1701929-07 IRSite13-GW-BUAMW015-20171211 0.27003, Description: IRSite13-GW-BUAMW015-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-07 IRSite13-GW-BUAMW015-...	7.72e3	52.7	NO
2	2	13C5-PFHxA	1701929-07 IRSite13-GW-BUAMW015-...	9.43e3	54.6	NO
3	3	13C3-PFHxS	1701929-07 IRSite13-GW-BUAMW015-...	2.32e3	51.1	NO
4	4	13C8-PFOA	1701929-07 IRSite13-GW-BUAMW015-...	7.56e3	43.3	YES
5	5	13C9-PFNA	1701929-07 IRSite13-GW-BUAMW015-...	8.31e3	46.5	YES
6	6	13C4-PFOS	1701929-07 IRSite13-GW-BUAMW015-...	2.36e3	60.3	NO
7	7	13C6-PFDA	1701929-07 IRSite13-GW-BUAMW015-...	5.82e3	33.5	YES
8	8	13C7-PFUDa	1701929-07 IRSite13-GW-BUAMW015-...	9.30e3	55.8	NO

Name: 171230M2_19, Date: 30-Dec-2017, Time: 14:32:03, ID: 1701929-08 IRSite13-GW-BUAMW012-20171211 0.27094, Description: IRSite13-GW-BUAMW012-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-08 IRSite13-GW-BUAMW012-...	8.41e3	57.4	NO
2	2	13C5-PFHxA	1701929-08 IRSite13-GW-BUAMW012-...	1.01e4	58.5	NO
3	3	13C3-PFHxS	1701929-08 IRSite13-GW-BUAMW012-...	2.99e3	65.8	NO
4	4	13C8-PFOA	1701929-08 IRSite13-GW-BUAMW012-...	8.57e3	49.2	YES
5	5	13C9-PFNA	1701929-08 IRSite13-GW-BUAMW012-...	8.34e3	46.6	YES
6	6	13C4-PFOS	1701929-08 IRSite13-GW-BUAMW012-...	2.74e3	69.8	NO
7	7	13C6-PFDA	1701929-08 IRSite13-GW-BUAMW012-...	5.34e3	30.7	YES
8	8	13C7-PFUDa	1701929-08 IRSite13-GW-BUAMW012-...	1.03e4	61.6	NO

Name: 171230M2_20, Date: 30-Dec-2017, Time: 14:43:43, ID: 1701929-09 IRSite13-GW-BUAMW016-20171211 0.27485, Description: IRSite13-GW-BUAMW016-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-09 IRSite13-GW-BUAMW016-...	8.55e3	58.4	NO
2	2	13C5-PFHxA	1701929-09 IRSite13-GW-BUAMW016-...	1.06e4	61.4	NO
3	3	13C3-PFHxS	1701929-09 IRSite13-GW-BUAMW016-...	2.85e3	62.7	NO
4	4	13C8-PFOA	1701929-09 IRSite13-GW-BUAMW016-...	9.09e3	52.1	NO
5	5	13C9-PFNA	1701929-09 IRSite13-GW-BUAMW016-...	1.07e4	60.0	NO
6	6	13C4-PFOS	1701929-09 IRSite13-GW-BUAMW016-...	2.71e3	69.0	NO
7	7	13C6-PFDA	1701929-09 IRSite13-GW-BUAMW016-...	8.69e3	50.0	NO
8	8	13C7-PFUDa	1701929-09 IRSite13-GW-BUAMW016-...	1.11e4	66.4	NO

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Name: 171230M2_21, Date: 30-Dec-2017, Time: 14:54:50, ID: IPA, Description: IPA

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

Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171230M2-2 PFC CS3 17L2611	1.34e4	91.5	NO
2	2	13C5-PFHxA	ST171230M2-2 PFC CS3 17L2611	1.71e4	98.9	NO
3	3	13C3-PFHxS	ST171230M2-2 PFC CS3 17L2611	3.99e3	87.9	NO
4	4	13C8-PFOA	ST171230M2-2 PFC CS3 17L2611	1.41e4	80.8	NO
5	5	13C9-PFNA	ST171230M2-2 PFC CS3 17L2611	1.56e4	87.1	NO
6	6	13C4-PFOS	ST171230M2-2 PFC CS3 17L2611	4.35e3	111.0	NO
7	7	13C6-PFDA	ST171230M2-2 PFC CS3 17L2611	1.11e4	64.1	NO
8	8	13C7-PFUDa	ST171230M2-2 PFC CS3 17L2611	1.71e4	102.8	NO

Name: 171230M2_23, Date: 30-Dec-2017, Time: 15:17:12, ID: IPA, Description: IPA

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

Name: 171230M2_24, Date: 30-Dec-2017, Time: 15:28:23, ID: 1701929-10 DUP01 27034, Description: DUP01

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-10 DUP01 27034	8.08e3	55.2	NO
2	2	13C5-PFHxA	1701929-10 DUP01 27034	1.01e4	58.2	NO
3	3	13C3-PFHxS	1701929-10 DUP01 27034	2.73e3	60.2	NO
4	4	13C8-PFOA	1701929-10 DUP01 27034	9.22e3	52.8	NO
5	5	13C9-PFNA	1701929-10 DUP01 27034	9.20e3	51.4	NO
6	6	13C4-PFOS	1701929-10 DUP01 27034	1.86e3	47.4	YES
7	7	13C6-PFDA	1701929-10 DUP01 27034	8.96e3	51.6	NO
8	8	13C7-PFUDa	1701929-10 DUP01 27034	9.50e3	57.0	NO

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Name: 171230M2_25, Date: 30-Dec-2017, Time: 15:39:33, ID: 1701929-11 IRSite13-GW-BUAMW010-20171211 0.26473, Description: IRSite13-GW-BUAMW010-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-11 IRSite13-GW-BUAMW010-...	8.27e3	56.5	NO
2	2	13C5-PFHxA	1701929-11 IRSite13-GW-BUAMW010-...	1.03e4	59.6	NO
3	3	13C3-PFHxS	1701929-11 IRSite13-GW-BUAMW010-...	2.74e3	60.3	NO
4	4	13C8-PFOA	1701929-11 IRSite13-GW-BUAMW010-...	8.87e3	50.9	NO
5	5	13C9-PFNA	1701929-11 IRSite13-GW-BUAMW010-...	7.64e3	42.7	YES
6	6	13C4-PFOS	1701929-11 IRSite13-GW-BUAMW010-...	2.61e3	66.4	NO
7	7	13C6-PFDA	1701929-11 IRSite13-GW-BUAMW010-...	7.82e3	45.0	YES
8	8	13C7-PFUDa	1701929-11 IRSite13-GW-BUAMW010-...	1.10e4	66.2	NO

Name: 171230M2_26, Date: 30-Dec-2017, Time: 15:50:44, ID: 1701929-12 IRSite13-GW-BUAMW002-20171211 0.2628, Description: IRSite13-GW-BUAMW002-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-12 IRSite13-GW-BUAMW002-...	7.80e3	53.2	NO
2	2	13C5-PFHxA	1701929-12 IRSite13-GW-BUAMW002-...	9.49e3	54.9	NO
3	3	13C3-PFHxS	1701929-12 IRSite13-GW-BUAMW002-...	2.41e3	53.0	NO
4	4	13C8-PFOA	1701929-12 IRSite13-GW-BUAMW002-...	8.01e3	45.9	YES
5	5	13C9-PFNA	1701929-12 IRSite13-GW-BUAMW002-...	9.93e3	55.5	NO
6	6	13C4-PFOS	1701929-12 IRSite13-GW-BUAMW002-...	2.39e3	61.1	NO
7	7	13C6-PFDA	1701929-12 IRSite13-GW-BUAMW002-...	9.23e3	53.1	NO
8	8	13C7-PFUDa	1701929-12 IRSite13-GW-BUAMW002-...	9.24e3	55.4	NO

Name: 171230M2_27, Date: 30-Dec-2017, Time: 16:01:54, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-01 WI-A06-6-S-04-1217 0.125	7.86e3	53.7	NO
2	2	13C5-PFHxA	1701943-01 WI-A06-6-S-04-1217 0.125	1.03e4	59.3	NO
3	3	13C3-PFHxS	1701943-01 WI-A06-6-S-04-1217 0.125	2.68e3	58.9	NO
4	4	13C8-PFOA	1701943-01 WI-A06-6-S-04-1217 0.125	9.23e3	52.9	NO
5	5	13C9-PFNA	1701943-01 WI-A06-6-S-04-1217 0.125	9.19e3	51.4	NO
6	6	13C4-PFOS	1701943-01 WI-A06-6-S-04-1217 0.125	2.77e3	70.7	NO
7	7	13C6-PFDA	1701943-01 WI-A06-6-S-04-1217 0.125	8.15e3	46.9	YES
8	8	13C7-PFUDa	1701943-01 WI-A06-6-S-04-1217 0.125	9.46e3	56.7	NO

Name: 171230M2_28, Date: 30-Dec-2017, Time: 16:13:05, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.39e3	50.5	NO
2	2	13C5-PFHxA	1701943-03 WI-A06-6-S-19-1217 0.120...	8.93e3	51.7	NO
3	3	13C3-PFHxS	1701943-03 WI-A06-6-S-19-1217 0.120...	2.25e3	49.6	YES
4	4	13C8-PFOA	1701943-03 WI-A06-6-S-19-1217 0.120...	9.50e3	54.4	NO
5	5	13C9-PFNA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.52e3	42.0	YES
6	6	13C4-PFOS	1701943-03 WI-A06-6-S-19-1217 0.120...	2.39e3	61.0	NO
7	7	13C6-PFDA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.86e3	45.2	YES
8	8	13C7-PFUDa	1701943-03 WI-A06-6-S-19-1217 0.120...	7.87e3	47.2	YES

AC 12/31/17

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Name: 171230M2_29, Date: 30-Dec-2017, Time: 16:24:16, ID: 1701943-05 WI-A06-6-S-19P-1217 0.11997,
Description: WI-A06-6-S-19P-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-05 WI-A06-6-S-19P-1217 0.11...	7.47e3	51.0	NO
2	2	13C5-PFHxA	1701943-05 WI-A06-6-S-19P-1217 0.11...	7.88e3	45.6	YES
3	3	13C3-PFHxS	1701943-05 WI-A06-6-S-19P-1217 0.11...	2.51e3	55.4	NO
4	4	13C8-PFOA	1701943-05 WI-A06-6-S-19P-1217 0.11...	8.21e3	47.1	YES
5	5	13C9-PFNA	1701943-05 WI-A06-6-S-19P-1217 0.11...	9.68e3	54.1	NO
6	6	13C4-PFOS	1701943-05 WI-A06-6-S-19P-1217 0.11...	2.34e3	59.7	NO
7	7	13C6-PFDA	1701943-05 WI-A06-6-S-19P-1217 0.11...	8.00e3	46.0	YES
8	8	13C7-PFUDa	1701943-05 WI-A06-6-S-19P-1217 0.11...	7.90e3	47.4	YES

Name: 171230M2_30, Date: 30-Dec-2017, Time: 16:35:27, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406,
Description: WI-A06-6-S-31-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-07 WI-A06-6-S-31-1217 0.124...	8.24e3	56.3	NO
2	2	13C5-PFHxA	1701943-07 WI-A06-6-S-31-1217 0.124...	1.09e4	63.0	NO
3	3	13C3-PFHxS	1701943-07 WI-A06-6-S-31-1217 0.124...	2.67e3	58.8	NO
4	4	13C8-PFOA	1701943-07 WI-A06-6-S-31-1217 0.124...	8.97e3	51.4	NO
5	5	13C9-PFNA	1701943-07 WI-A06-6-S-31-1217 0.124...	7.29e3	40.8	YES
6	6	13C4-PFOS	1701943-07 WI-A06-6-S-31-1217 0.124...	2.58e3	65.9	NO
7	7	13C6-PFDA	1701943-07 WI-A06-6-S-31-1217 0.124...	8.01e3	46.1	YES
8	8	13C7-PFUDa	1701943-07 WI-A06-6-S-31-1217 0.124...	1.26e4	75.8	NO

Name: 171230M2_31, Date: 30-Dec-2017, Time: 16:46:37, ID: 1701943-09 WI-A06-EB07-121117 0.12057,
Description: WI-A06-EB07-121117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-09 WI-A06-EB07-121117 0.12...	7.97e3	54.4	NO
2	2	13C5-PFHxA	1701943-09 WI-A06-EB07-121117 0.12...	1.06e4	61.3	NO
3	3	13C3-PFHxS	1701943-09 WI-A06-EB07-121117 0.12...	2.25e3	49.5	YES
4	4	13C8-PFOA	1701943-09 WI-A06-EB07-121117 0.12...	7.99e3	45.8	YES
5	5	13C9-PFNA	1701943-09 WI-A06-EB07-121117 0.12...	1.09e4	60.9	NO
6	6	13C4-PFOS	1701943-09 WI-A06-EB07-121117 0.12...	2.74e3	70.0	NO
7	7	13C6-PFDA	1701943-09 WI-A06-EB07-121117 0.12...	9.06e3	52.1	NO
8	8	13C7-PFUDa	1701943-09 WI-A06-EB07-121117 0.12...	9.57e3	57.4	NO

Name: 171230M2_32, Date: 30-Dec-2017, Time: 16:57:48, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355,
Description: WI-A06-6-S-08-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-11 WI-A06-6-S-08-1217 0.123...	7.35e3	50.2	NO
2	2	13C5-PFHxA	1701943-11 WI-A06-6-S-08-1217 0.123...	9.74e3	56.3	NO
3	3	13C3-PFHxS	1701943-11 WI-A06-6-S-08-1217 0.123...	2.57e3	56.5	NO
4	4	13C8-PFOA	1701943-11 WI-A06-6-S-08-1217 0.123...	8.64e3	49.6	YES
5	5	13C9-PFNA	1701943-11 WI-A06-6-S-08-1217 0.123...	6.93e3	38.8	YES
6	6	13C4-PFOS	1701943-11 WI-A06-6-S-08-1217 0.123...	2.78e3	70.8	NO
7	7	13C6-PFDA	1701943-11 WI-A06-6-S-08-1217 0.123...	9.59e3	55.2	NO
8	8	13C7-PFUDa	1701943-11 WI-A06-6-S-08-1217 0.123...	1.06e4	63.3	NO

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Name: 171230M2_33, Date: 30-Dec-2017, Time: 17:08:59, ID: 1701943-13 WI-A06-EB08-121217 0.12255, Description: WI-A06-EB08-121217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-13 WI-A06-EB08-121217 0.12...	8.30e3	56.7	NO
2	2	13C5-PFHxA	1701943-13 WI-A06-EB08-121217 0.12...	1.08e4	62.2	NO
3	3	13C3-PFHxS	1701943-13 WI-A06-EB08-121217 0.12...	2.89e3	63.6	NO
4	4	13C8-PFOA	1701943-13 WI-A06-EB08-121217 0.12...	1.01e4	57.8	NO
5	5	13C9-PFNA	1701943-13 WI-A06-EB08-121217 0.12...	1.07e4	60.1	NO
6	6	13C4-PFOS	1701943-13 WI-A06-EB08-121217 0.12...	2.51e3	64.0	NO
7	7	13C6-PFDA	1701943-13 WI-A06-EB08-121217 0.12...	8.81e3	50.7	NO
8	8	13C7-PFUDa	1701943-13 WI-A06-EB08-121217 0.12...	1.13e4	68.0	NO

Name: 171230M2_34, Date: 30-Dec-2017, Time: 17:20:09, ID: B7L0092-MS1@25X Matrix Spike 16.49, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0092-MS1@25X Matrix Spike 16.49	6.16e2	4209.2	YES
2	2	13C5-PFHxA	B7L0092-MS1@25X Matrix Spike 16.49	7.51e2	4344.0	YES
3	3	13C3-PFHxS	B7L0092-MS1@25X Matrix Spike 16.49	2.16e2	4753.6	YES
4	4	13C8-PFOA	B7L0092-MS1@25X Matrix Spike 16.49	6.63e2	3801.5	YES
5	5	13C9-PFNA	B7L0092-MS1@25X Matrix Spike 16.49	6.78e2	3792.6	YES
6	6	13C4-PFOS	B7L0092-MS1@25X Matrix Spike 16.49	1.47e2	3739.5	YES
7	7	13C6-PFDA	B7L0092-MS1@25X Matrix Spike 16.49	6.10e2	3508.9	YES
8	8	13C7-PFUDa	B7L0092-MS1@25X Matrix Spike 16.49	7.32e2	4391.5	YES

Name: 171230M2_35, Date: 30-Dec-2017, Time: 17:31:20, ID: IPA, Description: IPA

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

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171230M2-3 PFC CS3 17L2611	1.38e4	94.6	NO
2	2	13C5-PFHxA	ST171230M2-3 PFC CS3 17L2611	1.62e4	93.6	NO
3	3	13C3-PFHxS	ST171230M2-3 PFC CS3 17L2611	4.17e3	91.8	NO
4	4	13C8-PFOA	ST171230M2-3 PFC CS3 17L2611	1.40e4	80.2	NO
5	5	13C9-PFNA	ST171230M2-3 PFC CS3 17L2611	1.88e4	104.9	NO
6	6	13C4-PFOS	ST171230M2-3 PFC CS3 17L2611	4.09e3	104.3	NO
7	7	13C6-PFDA	ST171230M2-3 PFC CS3 17L2611	1.44e4	82.8	NO
8	8	13C7-PFUDa	ST171230M2-3 PFC CS3 17L2611	1.69e4	101.2	NO

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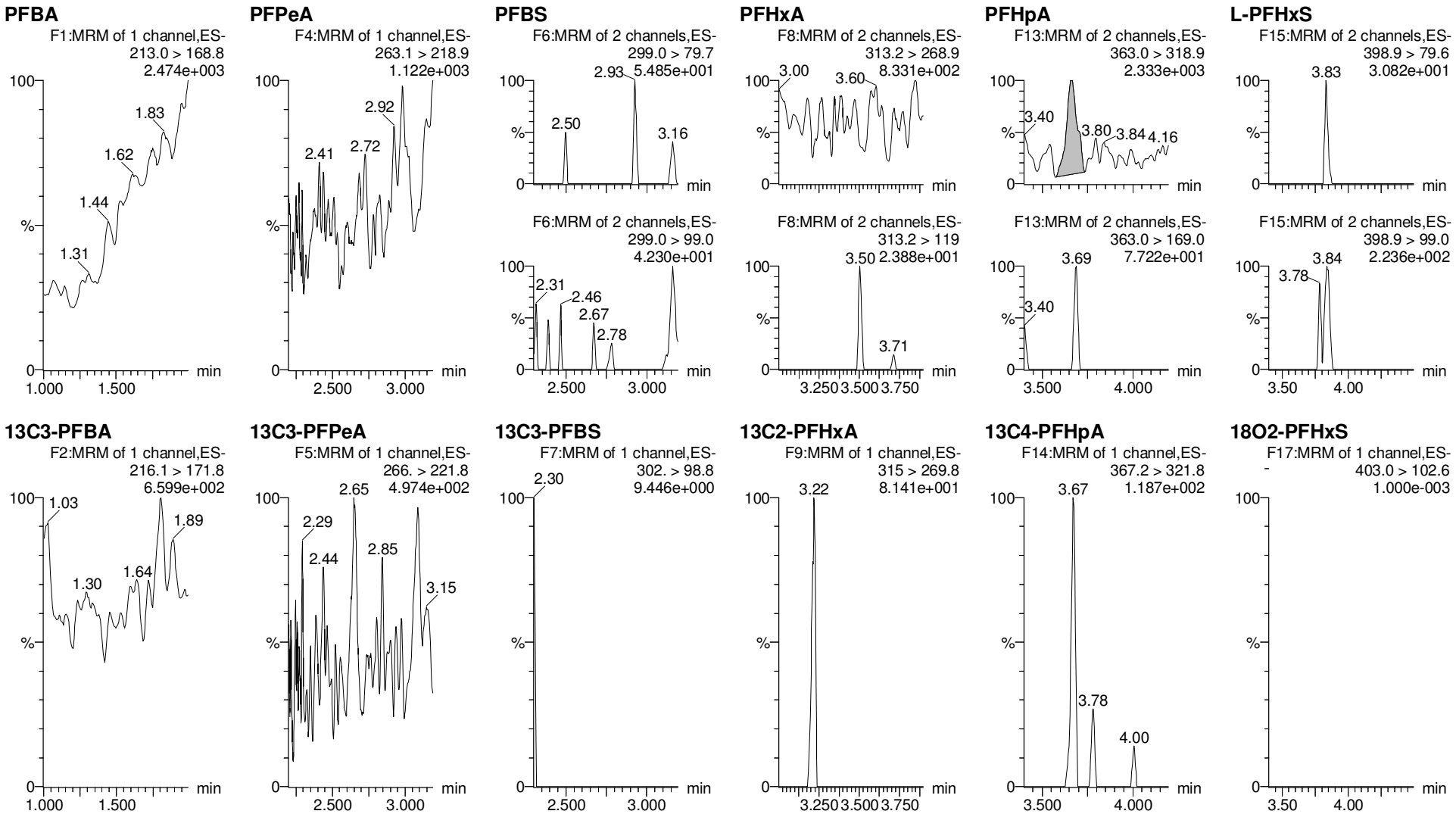
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Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:27:18

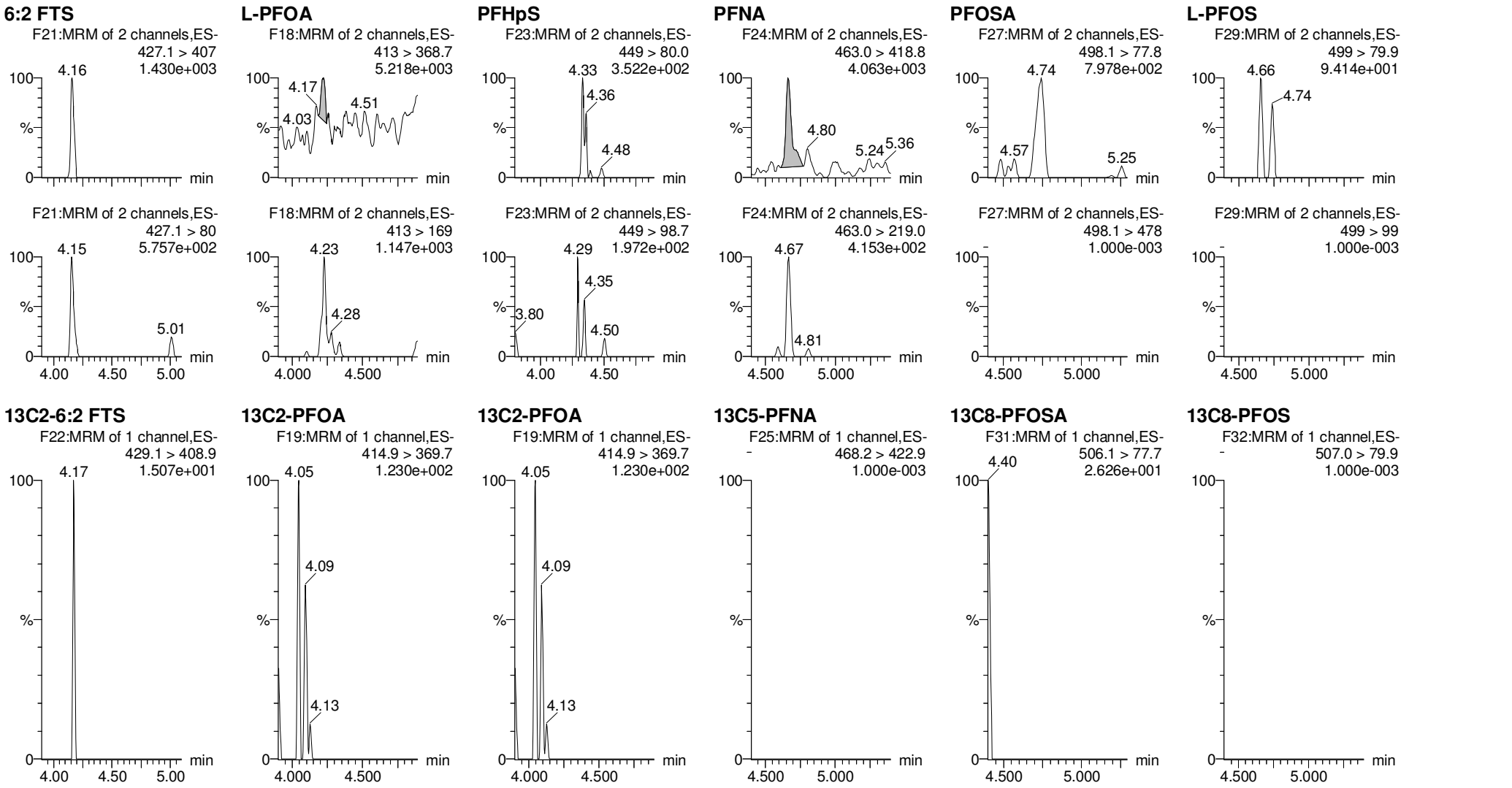
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Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA



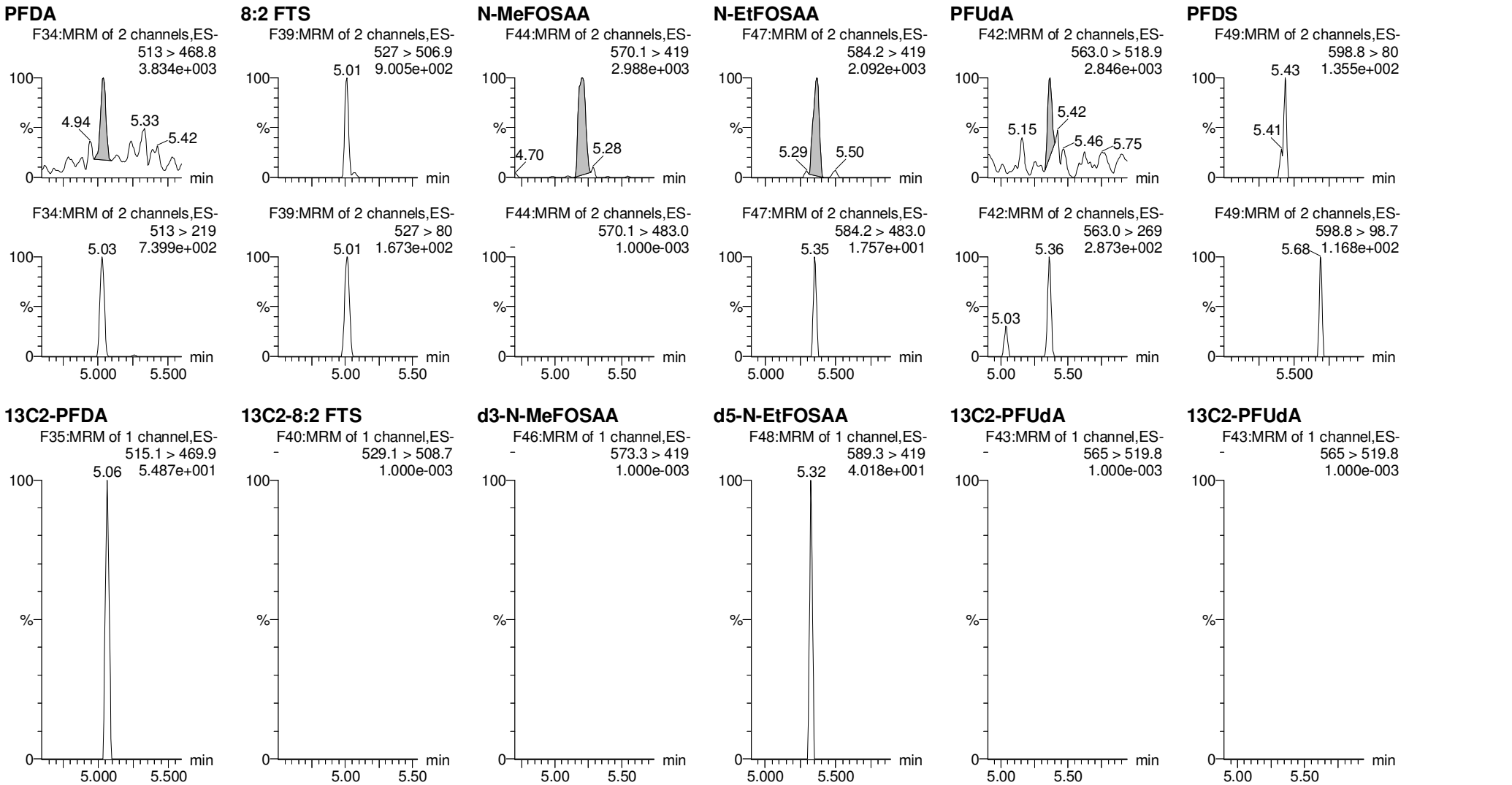
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Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA

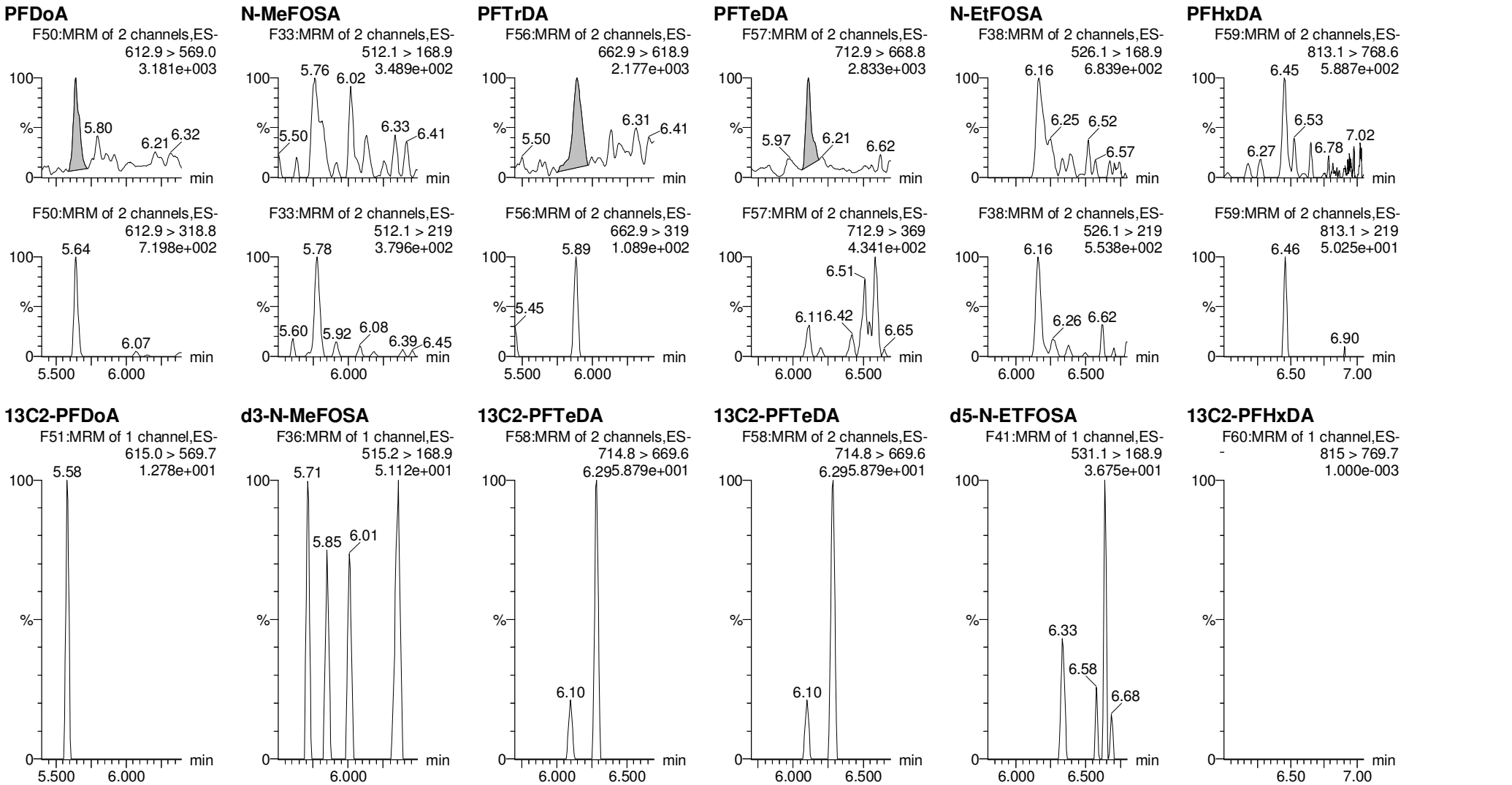


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Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA



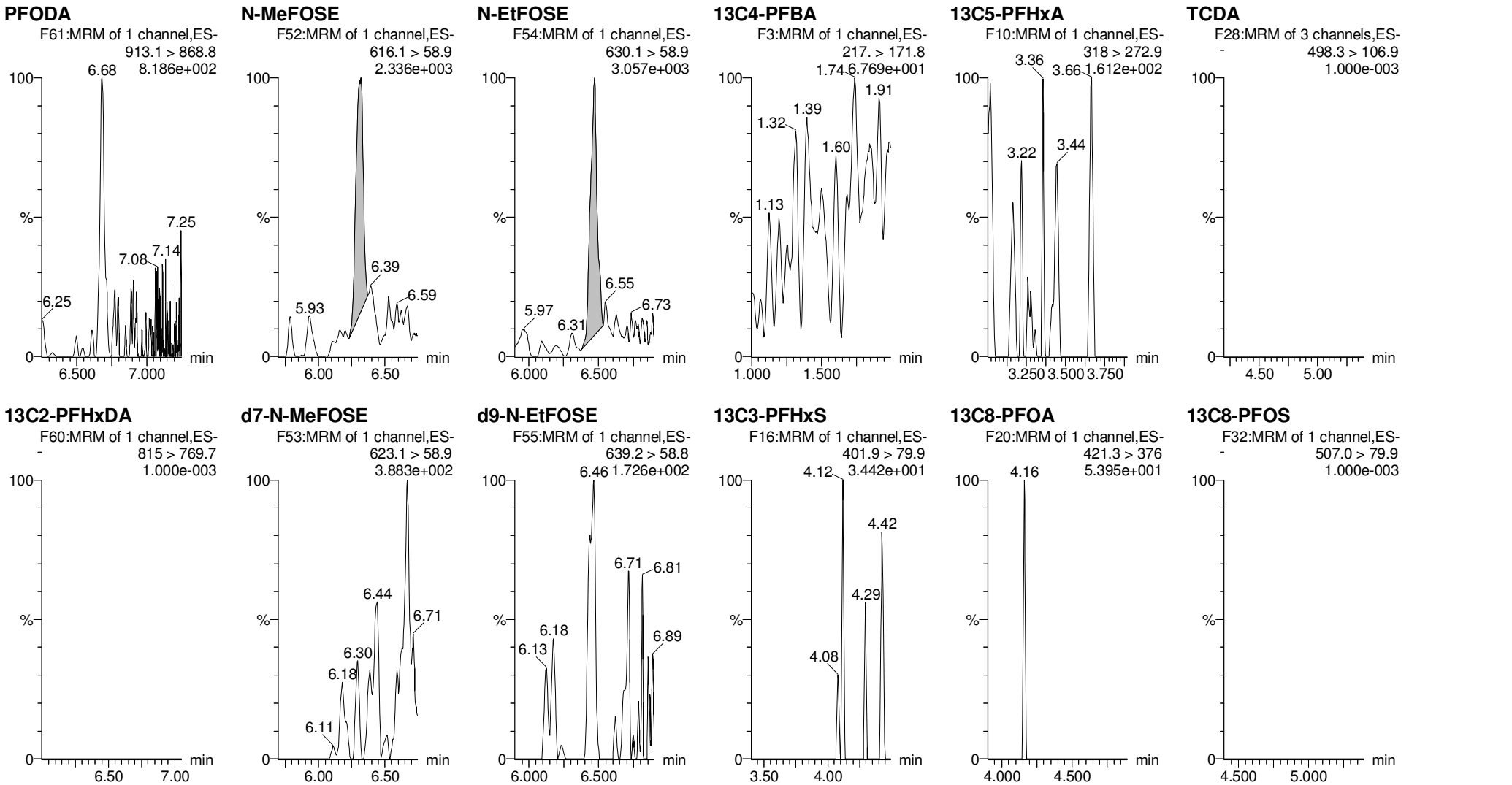
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Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA



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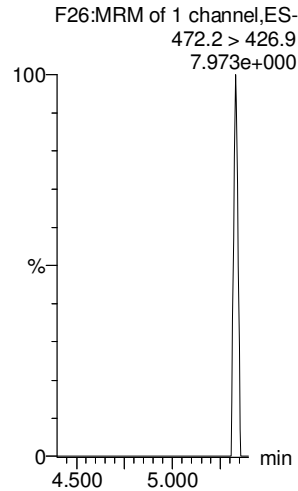
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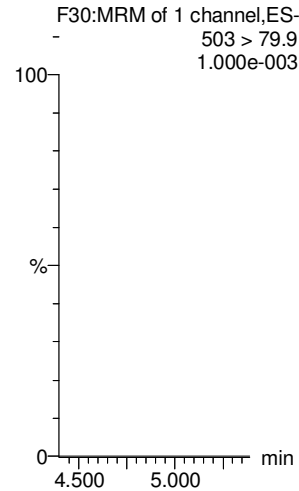
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Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA

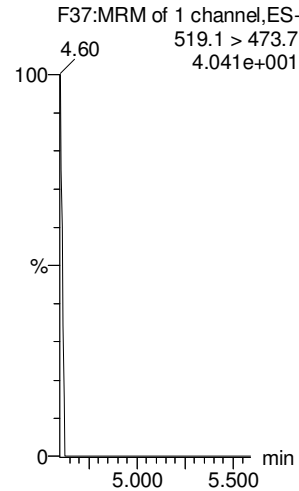
13C9-PFNA



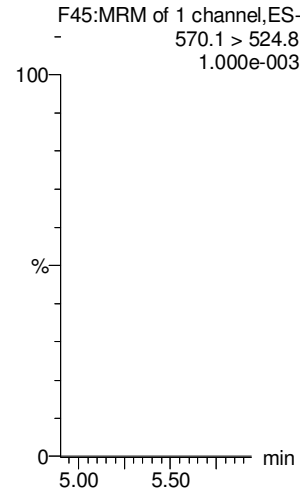
13C4-PFOS



13C6-PFDA



13C7-PFUdA



① PFDS < 70%; not used.

Dataset: U:\Q4.PRO\results\171230M2\171230M2-2.qld

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Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M²₂-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.20e3	1.15e4	1.0000		1.47	1.41	1.30	0.999	99.9
2	2 PFPeA	263.1 > 218.9	1.24e3	1.37e4	1.0000		2.35	2.37	1.13	0.979	97.9
3	3 PFBS	299.0 > 79.7	2.99e2	1.97e3	1.0000		2.70	2.64	1.90	0.907	90.7
4	4 PFHxA	313.2 > 268.9	1.55e3	4.41e3	1.0000		3.12	3.13	1.76	0.958	95.8
5	5 PFHpA	363.0 > 318.9	1.21e3	1.18e4	1.0000		3.75	3.74	1.28	0.869	86.9
6	6 L-PFHxS	398.9 > 79.6	2.39e2	1.51e3	1.0000		3.85	3.89	1.98	0.965	96.5
7	8 6:2 FTS	427.1 > 407	3.84e2	1.69e4	1.0000		4.20	4.20	0.285	1.109	110.9
8	9 L-PFOA	413 > 368.7	1.98e3	1.69e4	1.0000		4.25	4.25	1.47	1.034	103.4
9	11 PFHpS	449 > 80.0	3.17e2	1.69e4	1.0000		4.35	4.36	0.235	0.889	88.9
10	12 PFNA	463.0 > 418.8	1.52e3	1.53e4	1.0000		4.70	4.68	1.25	0.798	79.8
11	13 PFOSA	498.1 > 77.8	3.54e2	3.18e3	1.0000		4.81	4.75	1.39	1.103	110.3
12	14 L-PFOS	499 > 79.9	2.51e2	3.66e3	1.0000		4.75	4.76	0.857	0.730	73.0
13	16 PFDA	513 > 468.8	1.67e3	1.42e4	1.0000		5.05	5.05	1.47	1.013	101.3
14	17 8:2 FTS	527 > 506.9	2.45e2	1.42e4	1.0000		5.02	5.02	0.216	0.801	80.1
15	18 N-MeFOSAA	570.1 > 419	8.09e2	6.66e3	1.0000		5.20	5.20	1.52	0.948	94.8
16	19 N-EtFOSAA	584.2 > 419	5.64e2	8.11e3	1.0000		5.42	5.36	0.868	0.711	71.1
17	20 PFUDa	563.0 > 518.9	1.49e3	1.66e4	1.0000		5.35	5.37	1.12	0.928	92.8
18	21 PFDS	598.8 > 80	3.26e2	1.66e4	1.0000		5.50	5.42	0.245	0.679	67.9
19	22 PFDoA	612.9 > 569.0	1.58e3	1.31e4	1.0000		5.70	5.65	1.50	0.722	72.2
20	23 N-MeFOSA	512.1 > 168.9	6.54e2	1.98e4	1.0000		5.77	5.80	4.96	4.489	89.8
21	24 PFTrDA	662.9 > 618.9	1.50e3	1.31e4	1.0000		5.95	5.89	1.42	0.767	76.7
22	25 PFTeDA	712.9 > 668.8	8.07e2	3.35e3	1.0000		6.16	6.11	3.01	1.043	104.3
23	26 N-EtFOSA	526.1 > 168.9	8.48e2	2.95e4	1.0000		6.15	6.19	4.31	4.615	92.3
24	27 PFHxDA	813.1 > 768.6	6.05e2	3.22e3	1.0000		6.48	6.44	0.939	0.931	93.1
25	28 PFODA	913.1 > 868.8	7.14e2	3.22e3	1.0000		6.70	6.67	1.11	1.133	113.3
26	29 N-MeFOSE	616.1 > 58.9	6.54e2	1.77e4	1.0000		6.30	6.32	5.55	4.758	95.2
27	30 N-EtFOSE	630.1 > 58.9	7.66e2	1.82e4	1.0000		6.42	6.46	6.31	5.075	101.5
28	31 13C3-PFBA	216.1 > 171.8	1.15e4	1.46e4	1.0000	0.783	1.47	1.41	9.83	12.553	100.4
29	32 13C3-PFPeA	266. > 221.8	1.37e4	1.73e4	1.0000	0.807	2.44	2.37	9.94	12.316	98.5
30	33 13C3-PFBS	302. > 98.8	1.97e3	1.73e4	1.0000	0.108	2.70	2.64	1.42	13.158	105.3
31	34 13C2-PFHxA	315 > 269.8	4.41e3	1.73e4	1.0000	0.636	3.20	3.13	3.19	5.018	100.4

70-130
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50-150
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Dataset: U:\Q4.PRO\results\171230M2\171230M2-2.qld

Last Altered: Saturday, December 30, 2017 14:40:54 Pacific Standard Time

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Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.18e4	1.73e4	1.0000	0.652	3.80	3.74	8.55	13.111	104.9
33	36	18O2-PFHxS	403.0 > 102.6	1.51e3	4.54e3	1.0000	0.321	3.95	3.89	4.15	12.936	103.5
34	37	13C2-6:2 FTS	429.1 > 408.9	3.34e3	1.74e4	1.0000	0.192	4.26	4.20	2.39	12.463	99.7
35	38	13C2-PFOA	414.9 > 369.7	1.69e4	1.74e4	1.0000	0.945	4.32	4.25	12.1	12.791	102.3
36	39	13C5-PFNA	468.2 > 422.9	1.53e4	1.79e4	1.0000	0.832	4.75	4.68	10.7	12.841	102.7
37	40	13C8-PFOSA	506.1 > 77.7	3.18e3	1.67e4	1.0000	0.204	4.81	4.75	2.38	11.697	93.6
38	41	13C8-PFOS	507.0 > 79.9	3.66e3	3.92e3	1.0000	0.948	4.83	4.77	11.7	12.301	98.4
39	42	13C2-PFDA	515.1 > 469.9	1.42e4	1.74e4	1.0000	0.986	5.11	5.05	10.2	10.356	82.8
40	43	13C2-8:2 FTS	529.1 > 508.7	2.10e3	1.73e4	1.0000	0.124	5.09	5.02	1.52	12.204	97.6
41	44	d3-N-MeFOSAA	573.3 > 419	6.66e3	1.67e4	1.0000	0.391	5.26	5.20	4.99	12.758	102.1
42	45	d5-N-EtFOSAA	589.3 > 419	8.11e3	1.67e4	1.0000	0.451	5.42	5.35	6.08	13.479	107.8
43	46	13C2-PFUDa	565 > 519.8	1.66e4	1.67e4	1.0000	0.900	5.43	5.37	12.5	13.831	110.6
44	47	13C2-PFDoA	615.0 > 569.7	1.31e4	1.67e4	1.0000	0.617	5.70	5.65	9.86	15.980	127.8
45	48	d3-N-MeFOSA	515.2 > 168.9	1.98e4	1.67e4	1.0000	0.097	5.80	5.82	14.8	152.230	101.5
46	49	13C2-PFTeDA	714.8 > 669.6	3.35e3	1.67e4	1.0000	0.196	6.16	6.11	2.51	12.813	102.5
47	50	d5-N-ETFOSA	531.1 > 168.9	2.95e4	1.67e4	1.0000	0.147	6.16	6.20	22.1	150.895	100.6
48	51	13C2-PFHxDA	815 > 769.7	3.22e3	1.67e4	1.0000	0.435	6.48	6.44	2.42	5.555	111.1
49	52	d7-N-MeFOSE	623.1 > 58.9	1.77e4	1.67e4	1.0000	0.108	6.30	6.31	13.3	122.626	81.8
50	53	d9-N-EtFOSE	639.2 > 58.8	1.82e4	1.67e4	1.0000	0.116	6.42	6.46	13.6	118.083	78.7
51	54	13C4-PFBA	217. > 171.8	1.46e4	1.46e4	1.0000	1.000	1.47	1.41	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.73e4	1.73e4	1.0000	1.000	3.20	3.13	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	4.54e3	4.54e3	1.0000	1.000	3.95	3.89	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.74e4	1.74e4	1.0000	1.000	4.32	4.25	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.79e4	1.79e4	1.0000	1.000	4.75	4.68	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	3.92e3	3.92e3	1.0000	1.000	4.83	4.76	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	1.74e4	1.74e4	1.0000	1.000	5.11	5.05	12.5	12.500	100.0
58	61	13C7-PFUDa	570.1 > 524.8	1.67e4	1.67e4	1.0000	1.000	5.43	5.37	12.5	12.500	100.0

50-150
↓

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 10:46:14 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:47:44 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Compound name: PFBA

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1	171230M2_1	IPA 2	30-Dec-17	11:10:53
2	171230M2_2	ST171230M2-1 PFC CS0 17L2608	30-Dec-17	11:22:01
3	171230M2_3	IPA	30-Dec-17	11:33:12
4	171230M2_4	1701802-08RE1 FC-MW02IR1-P2-20171128 ...	30-Dec-17	11:44:23
5	171230M2_5	1701802-09RE1 FC-MW02IR1-P3-20171128 ...	30-Dec-17	11:55:33
6	171230M2_6	IPA	30-Dec-17	12:06:44
7	171230M2_7	B7L0171-BS1 OPR 0.25	30-Dec-17	12:17:55
8	171230M2_8	IPA	30-Dec-17	12:29:06
9	171230M2_9	B7L0171-BLK1 Method Blank 0.25	30-Dec-17	12:40:16
10	171230M2_10	B7L0171-MS1 Matrix Spike 0.25217	30-Dec-17	12:51:27
11	171230M2_11	B7L0171-MSD1 Matrix Spike Dup 0.2644	30-Dec-17	13:02:38
12	171230M2_12	1701929-01 SB01 0.26085	30-Dec-17	13:13:49
13	171230M2_13	1701929-02 EB01 0.26531	30-Dec-17	13:24:59
14	171230M2_14	1701929-03 UXOSite11-GW-GMMW04-20171...	30-Dec-17	13:36:10
15	171230M2_15	1701929-04 UXOSite11-GW-GMMW08-20171...	30-Dec-17	13:47:20
16	171230M2_16	1701929-05 UXOSite11-GW-GMMW10-20171...	30-Dec-17	13:58:31
17	171230M2_17	1701929-06 IRSite13-GW-BUAMW011-20171...	30-Dec-17	14:09:42
18	171230M2_18	1701929-07 IRSite13-GW-BUAMW015-20171...	30-Dec-17	14:20:53
19	171230M2_19	1701929-08 IRSite13-GW-BUAMW012-20171...	30-Dec-17	14:32:03
20	171230M2_20	1701929-09 IRSite13-GW-BUAMW016-20171...	30-Dec-17	14:43:43
21	171230M2_21	IPA	30-Dec-17	14:54:50
22	171230M2_22	ST171230M2-2 PFC CS3 17L2611	30-Dec-17	15:06:01
23	171230M2_23	IPA	30-Dec-17	15:17:12
24	171230M2_24	1701929-10 DUP01 27034	30-Dec-17	15:28:23
25	171230M2_25	1701929-11 IRSite13-GW-BUAMW010-20171...	30-Dec-17	15:39:33
26	171230M2_26	1701929-12 IRSite13-GW-BUAMW002-20171...	30-Dec-17	15:50:44
27	171230M2_27	1701943-01 WI-A06-6-S-04-1217 0.125	30-Dec-17	16:01:54
28	171230M2_28	1701943-03 WI-A06-6-S-19-1217 0.12062	30-Dec-17	16:13:05
29	171230M2_29	1701943-05 WI-A06-6-S-19P-1217 0.11997	30-Dec-17	16:24:16
30	171230M2_30	1701943-07 WI-A06-6-S-31-1217 0.12406	30-Dec-17	16:35:27
31	171230M2_31	1701943-09 WI-A06-EB07-121117 0.12057	30-Dec-17	16:46:37

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 10:46:14 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:47:44 Pacific Standard Time

Compound name: PFBA

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32	171230M2_32	1701943-11 WI-A06-6-S-08-1217 0.12355	30-Dec-17	16:57:48
33	171230M2_33	1701943-13 WI-A06-EB08-121217 0.12255	30-Dec-17	17:08:59
34	171230M2_34	B7L0092-MS1@25X Matrix Spike 16.49	30-Dec-17	17:20:09
35	171230M2_35	IPA	30-Dec-17	17:31:20
36	171230M2_36	ST171230M2-3 PFC CS3 17L2611	30-Dec-17	17:42:31
37	171230M2_37	IPA	30-Dec-17	17:53:41

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Last Altered: Saturday, December 30, 2017 14:40:54 Pacific Standard Time

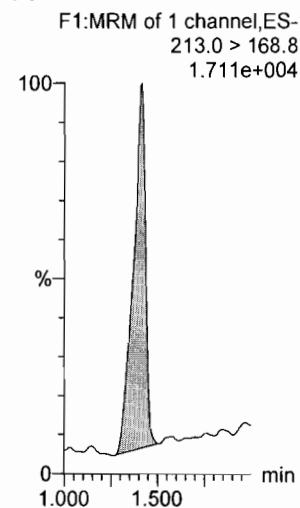
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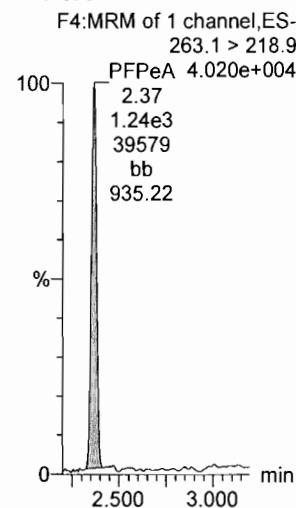
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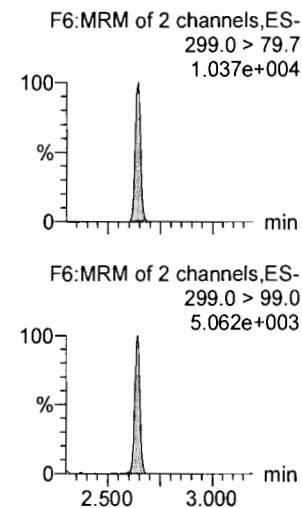
PFBA



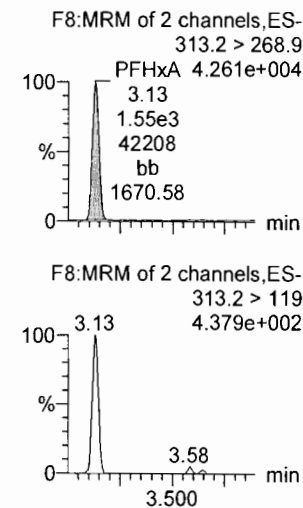
PFPeA



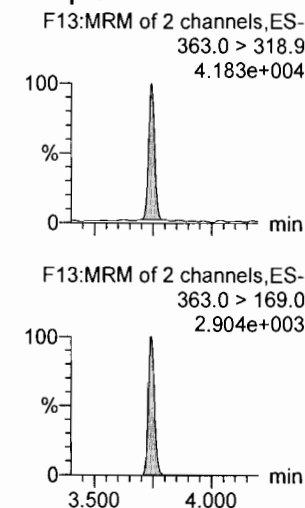
PFBS



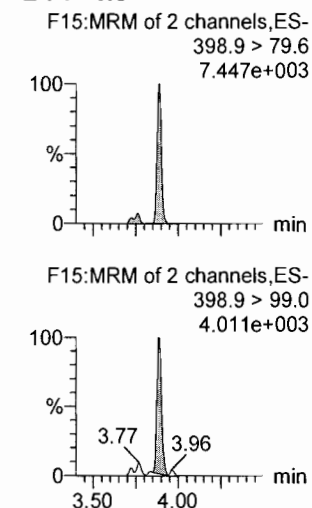
PFHxA



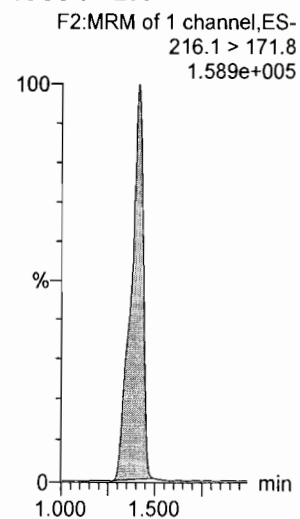
PFHpA



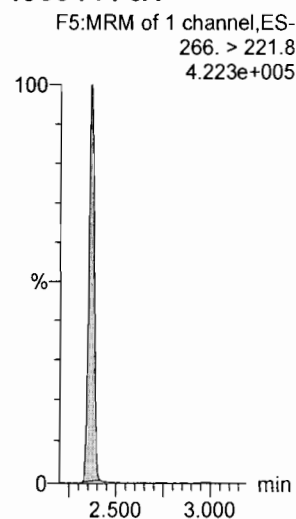
L-PFHxS



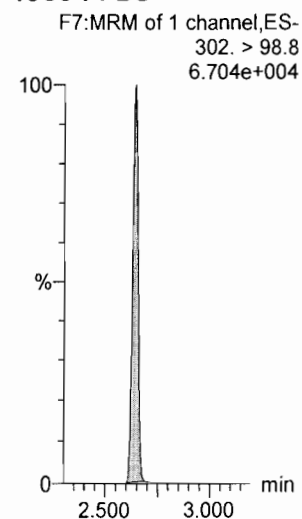
13C3-PFBA



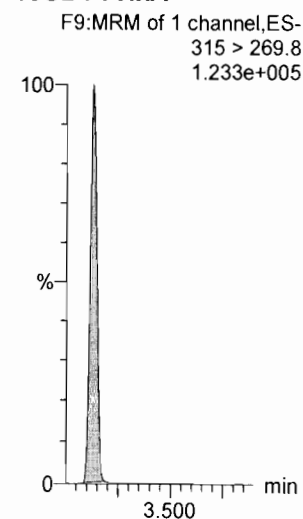
13C3-PFPeA



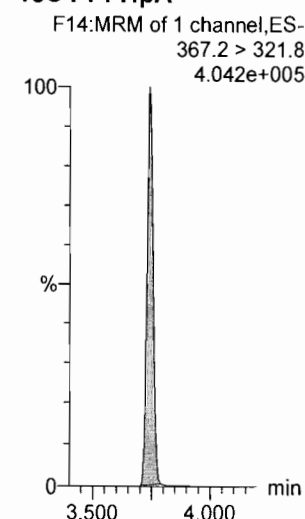
13C3-PFBS



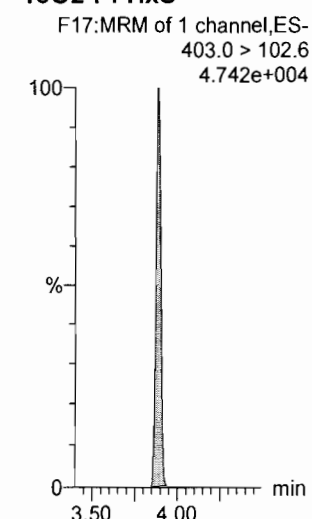
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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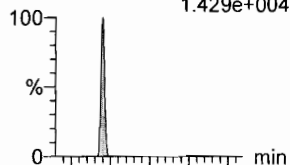
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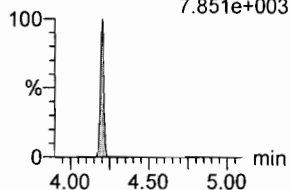
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.429e+004

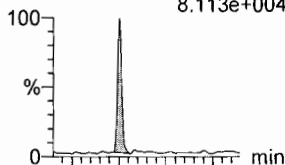


F21:MRM of 2 channels,ES-
427.1 > 80
7.851e+003

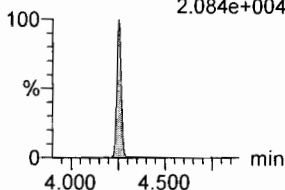


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
8.113e+004

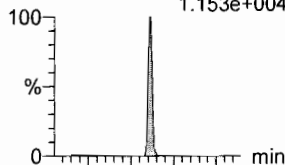


F18:MRM of 2 channels,ES-
413 > 169
2.084e+004

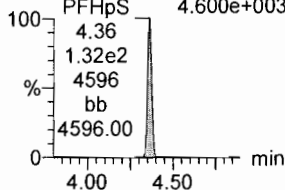


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.153e+004

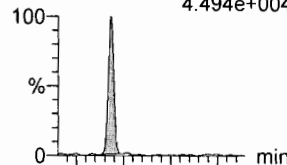


F23:MRM of 2 channels,ES-
449 > 98.7
4.600e+003

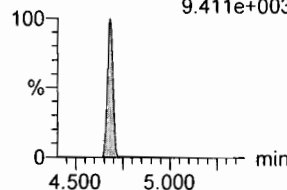


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.494e+004

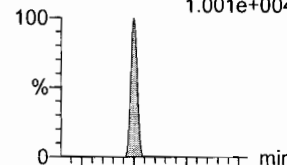


F24:MRM of 2 channels,ES-
463.0 > 219.0
9.411e+003

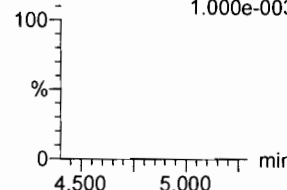


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
1.001e+004

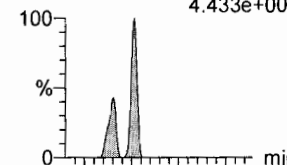


F27:MRM of 2 channels,ES-
498.1 > 478
1.000e+003

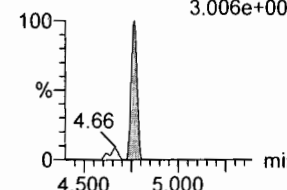


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
4.433e+003

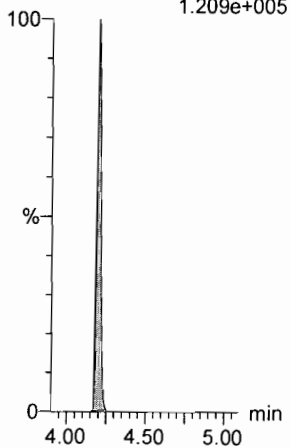


F29:MRM of 2 channels,ES-
499 > 99
3.006e+003



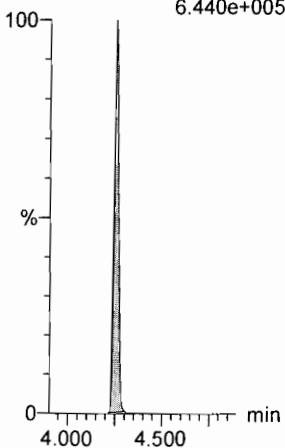
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.209e+005



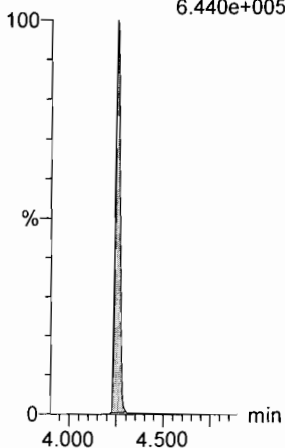
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
6.440e+005



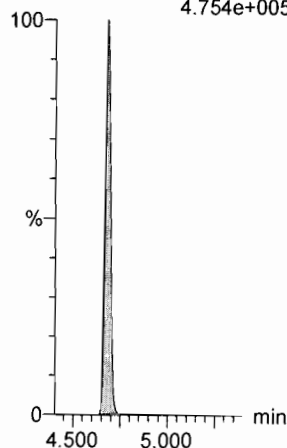
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
6.440e+005



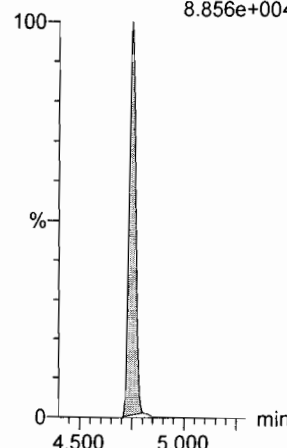
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.754e+005



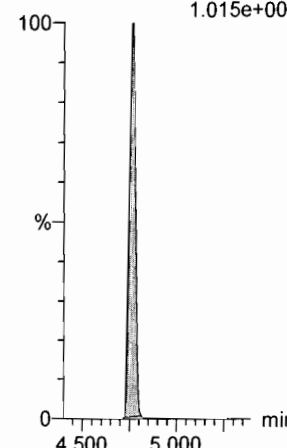
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.856e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.015e+005



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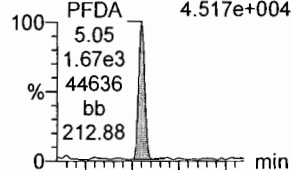
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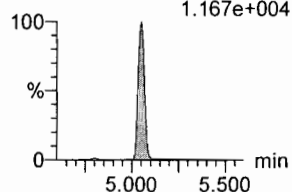
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.517e+004

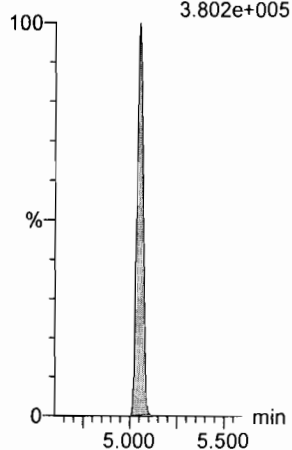


F34:MRM of 2 channels,ES-
513 > 219
1.167e+004



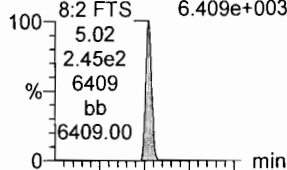
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.802e+005

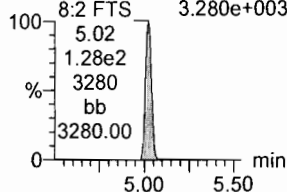


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
6.409e+003

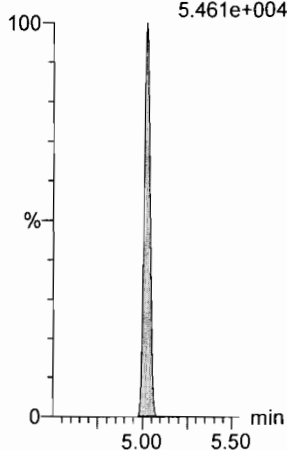


F39:MRM of 2 channels,ES-
527 > 80
3.280e+003



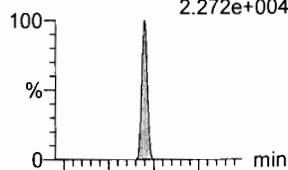
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
5.461e+004

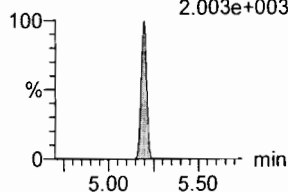


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.272e+004

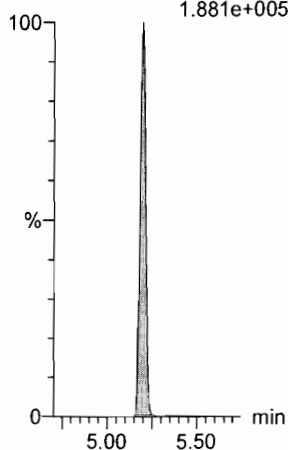


F44:MRM of 2 channels,ES-
570.1 > 483.0
2.003e+003



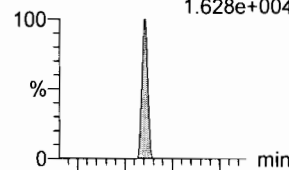
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.881e+005

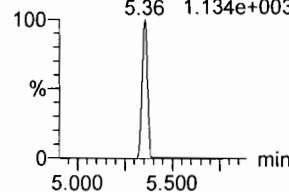


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
1.628e+004

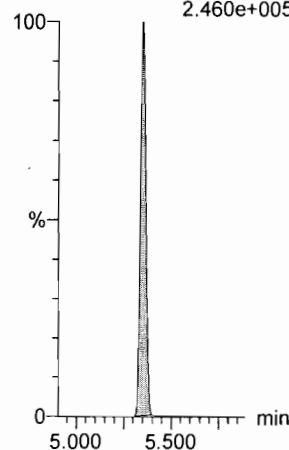


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.134e+003



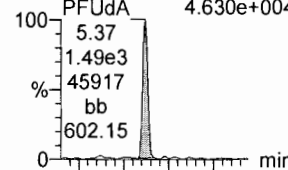
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.460e+005

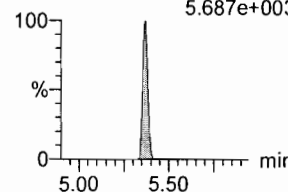


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.630e+004

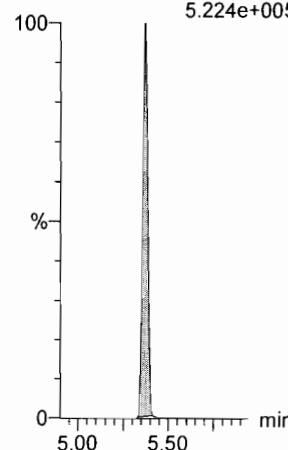


F42:MRM of 2 channels,ES-
563.0 > 269
5.687e+003



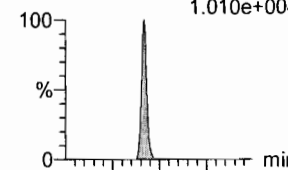
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.224e+005

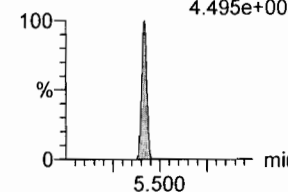


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.010e+004

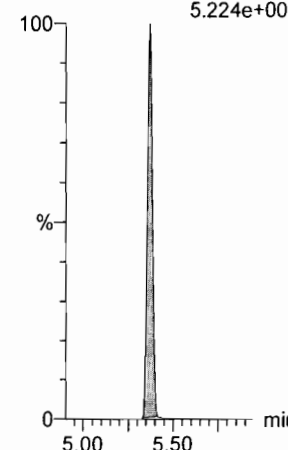


F49:MRM of 2 channels,ES-
598.8 > 98.7
4.495e+003



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.224e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-2.qld

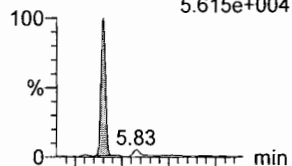
Last Altered: Saturday, December 30, 2017 14:40:54 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:43:42 Pacific Standard Time

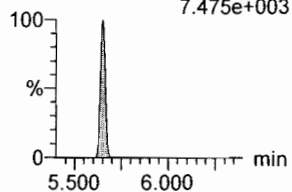
Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

PFD_oA

F50:MRM of 2 channels,ES-
612.9 > 569.0
5.615e+004

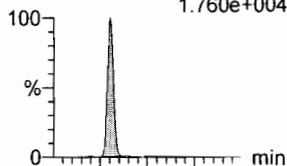


F50:MRM of 2 channels,ES-
612.9 > 318.8
7.475e+003

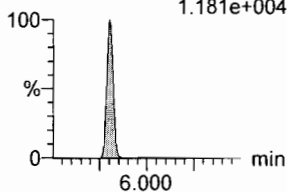


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.760e+004

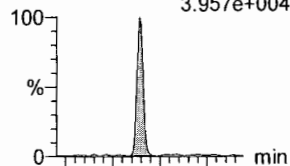


F33:MRM of 2 channels,ES-
512.1 > 219
1.181e+004

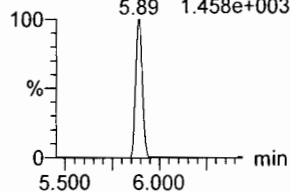


PFT_rDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
3.957e+004

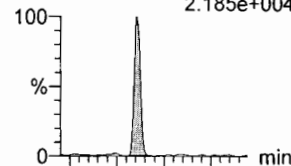


F56:MRM of 2 channels,ES-
662.9 > 319
1.458e+003

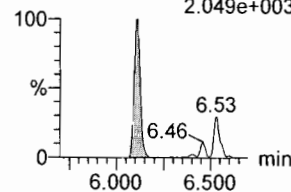


PFT_eDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
2.185e+004

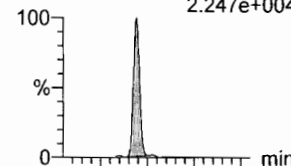


F57:MRM of 2 channels,ES-
712.9 > 369
2.049e+003

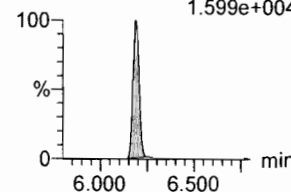


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
2.247e+004

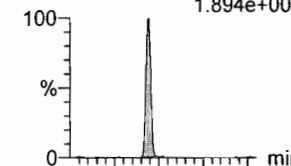


F38:MRM of 2 channels,ES-
526.1 > 219
1.599e+004

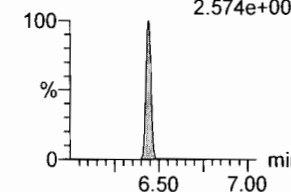


PFH_xDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.894e+004

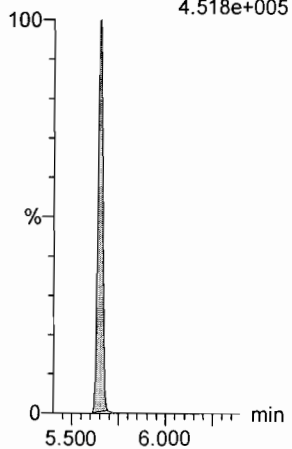


F59:MRM of 2 channels,ES-
813.1 > 219
2.574e+003



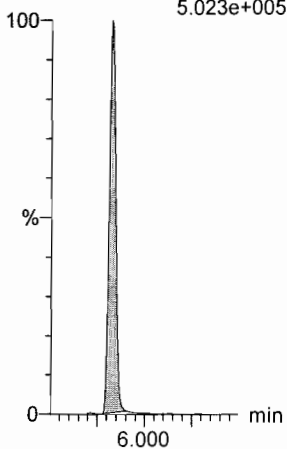
13C2-PFD_oA

F51:MRM of 1 channel,ES-
615.0 > 569.7
4.518e+005



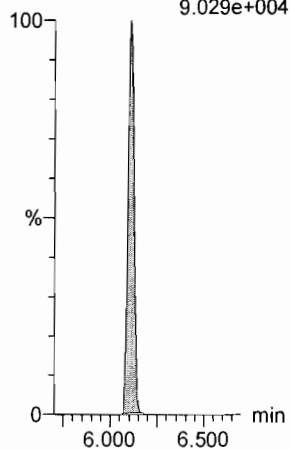
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
5.023e+005



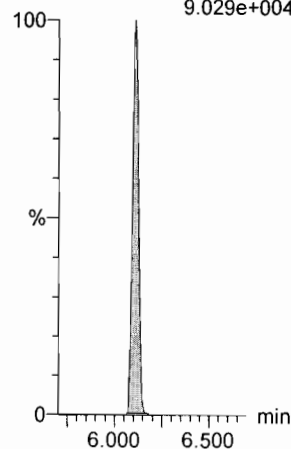
13C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
9.029e+004



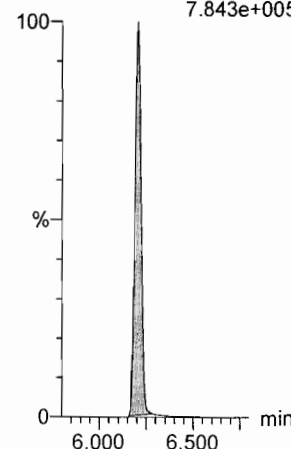
13C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
9.029e+004



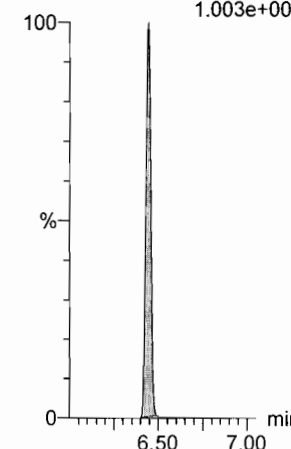
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
7.843e+005



13C2-PFH_xDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.003e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-2.qld

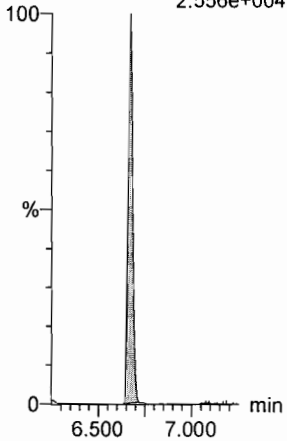
Last Altered: Saturday, December 30, 2017 14:40:54 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:43:42 Pacific Standard Time

Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

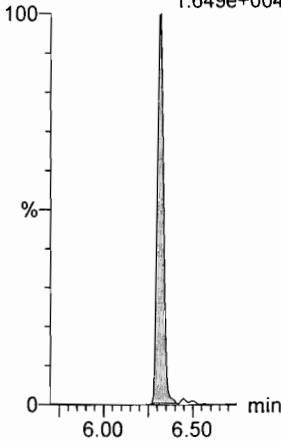
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.556e+004



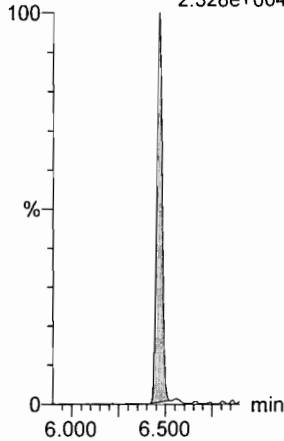
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.649e+004



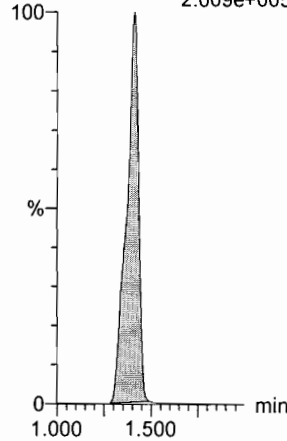
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.328e+004



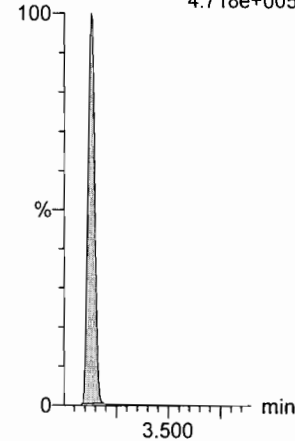
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
2.009e+005



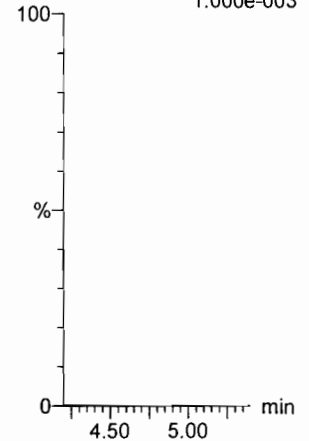
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.718e+005



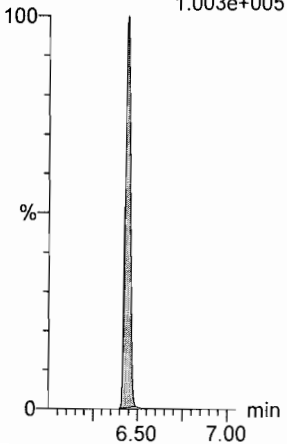
TCDA

F28:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



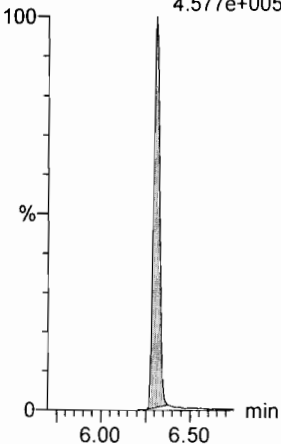
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.003e+005



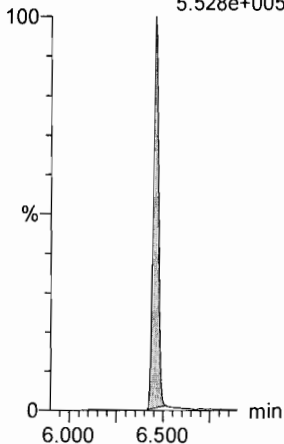
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.577e+005



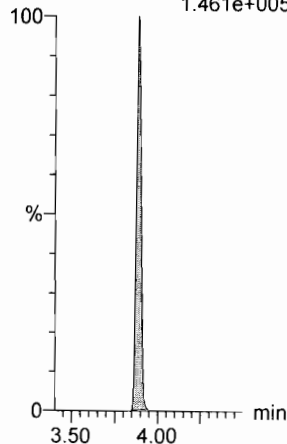
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.528e+005



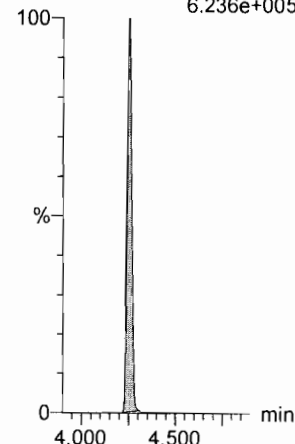
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.461e+005



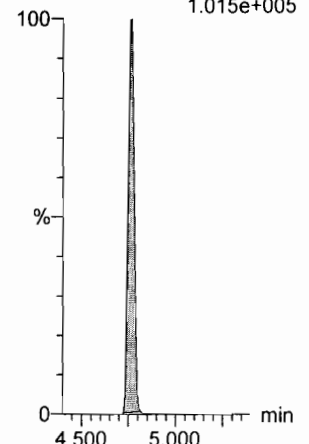
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
6.236e+005



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.015e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-2.qld

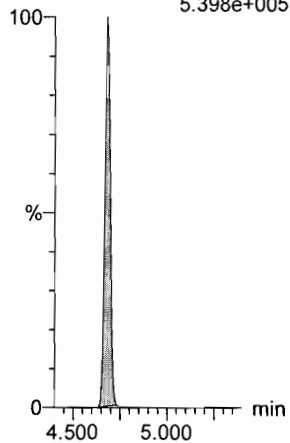
Last Altered: Saturday, December 30, 2017 14:40:54 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:43:42 Pacific Standard Time

Name: 171230M2_2, Date: 30-Dec-2017, Time: 11:22:01, ID: ST171230M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

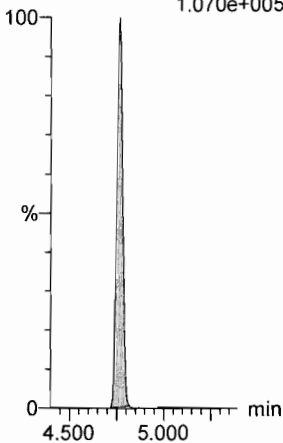
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.398e+005



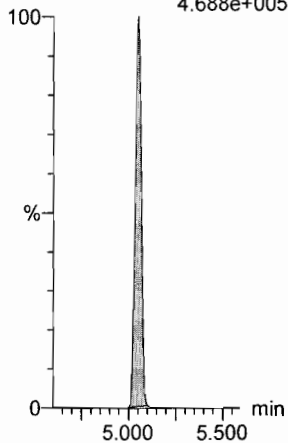
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.070e+005



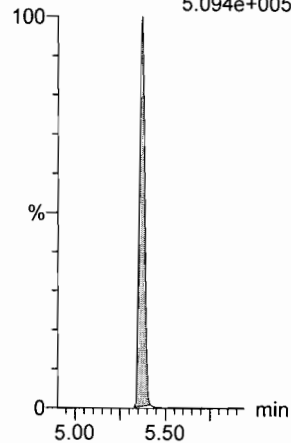
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
4.688e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.094e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-22.qld

Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time
Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

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12/31/17

YJA.
12/31/2017

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.23e4	1.05e4	1.0000		1.47	1.40	14.5	10.652	106.5
2	2 PFPeA	263.1 > 218.9	1.24e4	1.26e4	1.0000		2.35	2.36	12.4	10.399	104.0
3	3 PFBS	299.0 > 79.7	3.00e3	1.77e3	1.0000		2.70	2.63	21.2	9.808	98.1
4	4 PFHxA	313.2 > 268.9	1.60e4	4.32e3	1.0000		3.12	3.13	18.5	9.908	99.1
5	5 PFHpA	363.0 > 318.9	1.45e4	1.08e4	1.0000		3.75	3.74	16.7	10.628	106.3
6	6 L-PFHxS	398.9 > 79.6	2.34e3	1.15e3	1.0000		3.85	3.89	25.5	12.039	120.4
7	8 6:2 FTS	427.1 > 407	3.69e3	1.32e4	1.0000		4.20	4.20	3.50	14.029	① 140.3
8	9 L-PFOA	413 > 368.7	1.35e4	1.32e4	1.0000		4.25	4.25	12.8	10.515	105.2
9	11 PFHpS	449 > 80.0	3.67e3	1.32e4	1.0000		4.35	4.36	3.48	13.841	① 138.4
10	12 PFNA	463.0 > 418.8	1.47e4	1.18e4	1.0000		4.70	4.69	15.6	10.059	100.6
11	13 PFOSA	498.1 > 77.8	3.22e3	2.87e3	1.0000		4.81	4.75	14.0	10.528	105.3
12	14 L-PFOS	499 > 79.9	3.63e3	3.94e3	1.0000		4.75	4.76	11.5	8.607	86.1
13	16 PFDA	513 > 468.8	1.68e4	9.65e3	1.0000		5.05	5.06	21.8	14.436	① 144.4
14	17 8:2 FTS	527 > 506.9	3.12e3	9.65e3	1.0000		5.02	5.03	4.04	12.905	① 129.0
15	18 N-MeFOSAA	570.1 > 419	8.19e3	5.92e3	1.0000		5.20	5.21	17.3	10.393	103.9
16	19 N-EtFOSAA	584.2 > 419	7.13e3	6.44e3	1.0000		5.42	5.36	13.8	10.379	103.8
17	20 PFUdA	563.0 > 518.9	1.46e4	1.75e4	1.0000		5.35	5.38	10.5	8.505	85.1
18	21 PFDS	598.8 > 80	3.91e3	1.75e4	1.0000		5.50	5.43	2.80	7.906	79.1
19	22 PFDoA	612.9 > 569.0	1.66e4	1.25e4	1.0000		5.70	5.66	16.6	7.800	78.0
20	23 N-MeFOSA	512.1 > 168.9	7.25e3	1.69e4	1.0000		5.77	5.80	64.2	57.702	115.4
21	24 PFTTrDA	662.9 > 618.9	1.69e4	1.25e4	1.0000		5.95	5.90	16.8	9.645	96.5
22	25 PFTeDA	712.9 > 668.8	1.24e4	4.51e3	1.0000		6.16	6.12	34.3	10.239	102.4
23	26 N-EtFOSA	526.1 > 168.9	9.41e3	2.53e4	1.0000		6.15	6.19	55.8	55.883	111.8
24	27 PFHxDA	813.1 > 768.6	6.23e3	3.47e3	1.0000		6.48	6.45	8.97	9.206	92.1
25	28 PFODA	913.1 > 868.8	8.16e3	3.47e3	1.0000		6.70	6.68	11.7	8.689	86.9
26	29 N-MeFOSE	616.1 > 58.9	9.60e3	2.32e4	1.0000		6.30	6.32	62.0	48.459	96.9
27	30 N-EtFOSE	630.1 > 58.9	1.04e4	2.39e4	1.0000		6.42	6.47	65.5	53.385	106.8
28	31 13C3-PFBA	216.1 > 171.8	1.05e4	1.34e4	1.0000	0.783	1.47	1.40	9.84	12.558	100.5
29	32 13C3-PFPeA	266. > 221.8	1.26e4	1.71e4	1.0000	0.807	2.44	2.36	9.17	11.369	91.0
30	33 13C3-PFBS	302. > 98.8	1.77e3	1.71e4	1.0000	0.108	2.70	2.63	1.29	11.982	95.9
31	34 13C2-PFHxA	315 > 269.8	4.32e3	1.71e4	1.0000	0.636	3.20	3.13	3.16	4.964	99.3

70-130

50-150

Dataset: U:\Q4.PRO\results\171230M2\171230M2-22.qld

Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time

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Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.08e4	1.71e4	1.0000	0.652	3.80	3.74	7.92	12.151	97.2
33	36	18O2-PFHxS	403.0 > 102.6	1.15e3	3.99e3	1.0000	0.321	3.95	3.89	3.59	11.197	89.6
34	37	13C2-6:2 FTS	429.1 > 408.9	3.56e3	1.41e4	1.0000	0.192	4.26	4.20	3.15	16.427	131.4
35	38	13C2-PFOA	414.9 > 369.7	1.32e4	1.41e4	1.0000	0.945	4.32	4.26	11.7	12.374	99.0
36	39	13C5-PFNA	468.2 > 422.9	1.18e4	1.56e4	1.0000	0.832	4.75	4.69	9.47	11.377	91.0
37	40	13C8-PFOSA	506.1 > 77.7	2.87e3	1.72e4	1.0000	0.204	4.81	4.75	2.09	10.240	81.9
38	41	13C8-PFOS	507.0 > 79.9	3.94e3	4.35e3	1.0000	0.948	4.83	4.77	11.3	11.948	95.6
39	42	13C2-PFDA	515.1 > 469.9	9.65e3	1.11e4	1.0000	0.986	5.11	5.06	10.8	10.979	87.8
40	43	13C2-8:2 FTS	529.1 > 508.7	2.10e3	1.71e4	1.0000	0.124	5.09	5.03	1.54	12.347	98.8
41	44	d3-N-MeFOSAA	573.3 > 419	5.92e3	1.72e4	1.0000	0.391	5.26	5.21	4.31	11.008	88.1
42	45	d5-N-EtFOSAA	589.3 > 419	6.44e3	1.72e4	1.0000	0.451	5.42	5.36	4.68	10.382	83.1
43	46	13C2-PFUdA	565 > 519.8	1.75e4	1.72e4	1.0000	0.900	5.43	5.38	12.7	14.105	112.8
44	47	13C2-PFDoA	615.0 > 569.7	1.25e4	1.72e4	1.0000	0.617	5.70	5.66	9.12	14.787	118.3
45	48	d3-N-MeFOSA	515.2 > 168.9	1.69e4	1.72e4	1.0000	0.097	5.80	5.82	12.3	126.367	84.2
46	49	13C2-PFTeDA	714.8 > 669.6	4.51e3	1.72e4	1.0000	0.196	6.16	6.12	3.28	16.735	133.9
47	50	d5-N-ETFOSA	531.1 > 168.9	2.53e4	1.72e4	1.0000	0.147	6.16	6.20	18.4	125.540	83.7
48	51	13C2-PFHxDA	815 > 769.7	3.47e3	1.72e4	1.0000	0.435	6.48	6.45	2.53	5.812	116.2
49	52	d7-N-MeFOSE	623.1 > 58.9	2.32e4	1.72e4	1.0000	0.108	6.30	6.31	16.9	156.450	104.3
50	53	d9-N-EtFOSE	639.2 > 58.8	2.39e4	1.72e4	1.0000	0.116	6.42	6.46	17.4	150.632	100.4
51	54	13C4-PFBA	217. > 171.8	1.34e4	1.34e4	1.0000	1.000	1.47	1.40	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.71e4	1.71e4	1.0000	1.000	3.20	3.12	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	3.99e3	3.99e3	1.0000	1.000	3.95	3.89	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.41e4	1.41e4	1.0000	1.000	4.32	4.25	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.56e4	1.56e4	1.0000	1.000	4.75	4.69	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	4.35e3	4.35e3	1.0000	1.000	4.83	4.76	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	1.11e4	1.11e4	1.0000	1.000	5.11	5.06	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.72e4	1.72e4	1.0000	1.000	5.43	5.38	12.5	12.500	100.0

50-150
↓

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 10:46:14 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:47:44 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Compound name: PFBA

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1	171230M2_1	IPA 2	30-Dec-17	11:10:53
2	171230M2_2	ST171230M2-1 PFC CS0 17L2608	30-Dec-17	11:22:01
3	171230M2_3	IPA	30-Dec-17	11:33:12
4	171230M2_4	1701802-08RE1 FC-MW02IR1-P2-20171128 ...	30-Dec-17	11:44:23
5	171230M2_5	1701802-09RE1 FC-MW02IR1-P3-20171128 ...	30-Dec-17	11:55:33
6	171230M2_6	IPA	30-Dec-17	12:06:44
7	171230M2_7	B7L0171-BS1 OPR 0.25	30-Dec-17	12:17:55
8	171230M2_8	IPA	30-Dec-17	12:29:06
9	171230M2_9	B7L0171-BLK1 Method Blank 0.25	30-Dec-17	12:40:16
10	171230M2_10	B7L0171-MS1 Matrix Spike 0.25217	30-Dec-17	12:51:27
11	171230M2_11	B7L0171-MSD1 Matrix Spike Dup 0.2644	30-Dec-17	13:02:38
12	171230M2_12	1701929-01 SB01 0.26085	30-Dec-17	13:13:49
13	171230M2_13	1701929-02 EB01 0.26531	30-Dec-17	13:24:59
14	171230M2_14	1701929-03 UXOSite11-GW-GMMW04-20171...	30-Dec-17	13:36:10
15	171230M2_15	1701929-04 UXOSite11-GW-GMMW08-20171...	30-Dec-17	13:47:20
16	171230M2_16	1701929-05 UXOSite11-GW-GMMW10-20171...	30-Dec-17	13:58:31
17	171230M2_17	1701929-06 IRSite13-GW-BUAMW011-20171...	30-Dec-17	14:09:42
18	171230M2_18	1701929-07 IRSite13-GW-BUAMW015-20171...	30-Dec-17	14:20:53
19	171230M2_19	1701929-08 IRSite13-GW-BUAMW012-20171...	30-Dec-17	14:32:03
20	171230M2_20	1701929-09 IRSite13-GW-BUAMW016-20171...	30-Dec-17	14:43:43
21	171230M2_21	IPA	30-Dec-17	14:54:50
22	171230M2_22	ST171230M2-2 PFC CS3 17L2611	30-Dec-17	15:06:01
23	171230M2_23	IPA	30-Dec-17	15:17:12
24	171230M2_24	1701929-10 DUP01 27034	30-Dec-17	15:28:23
25	171230M2_25	1701929-11 IRSite13-GW-BUAMW010-20171...	30-Dec-17	15:39:33
26	171230M2_26	1701929-12 IRSite13-GW-BUAMW002-20171...	30-Dec-17	15:50:44
27	171230M2_27	1701943-01 WI-A06-6-S-04-1217 0.125	30-Dec-17	16:01:54
28	171230M2_28	1701943-03 WI-A06-6-S-19-1217 0.12062	30-Dec-17	16:13:05
29	171230M2_29	1701943-05 WI-A06-6-S-19P-1217 0.11997	30-Dec-17	16:24:16
30	171230M2_30	1701943-07 WI-A06-6-S-31-1217 0.12406	30-Dec-17	16:35:27
31	171230M2_31	1701943-09 WI-A06-EB07-121117 0.12057	30-Dec-17	16:46:37

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 10:46:14 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:47:44 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171230M2_32	1701943-11 WI-A06-6-S-08-1217 0.12355	30-Dec-17	16:57:48
33	171230M2_33	1701943-13 WI-A06-EB08-121217 0.12255	30-Dec-17	17:08:59
34	171230M2_34	B7L0092-MS1@25X Matrix Spike 16.49	30-Dec-17	17:20:09
35	171230M2_35	IPA	30-Dec-17	17:31:20
36	171230M2_36	ST171230M2-3 PFC CS3 17L2611	30-Dec-17	17:42:31
37	171230M2_37	IPA	30-Dec-17	17:53:41

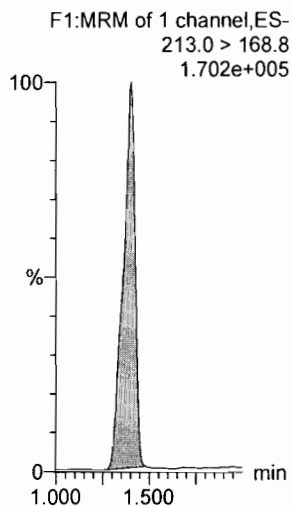
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Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time
Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

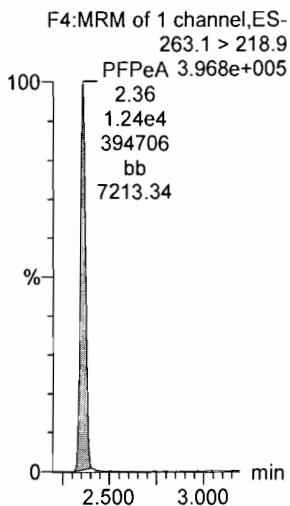
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

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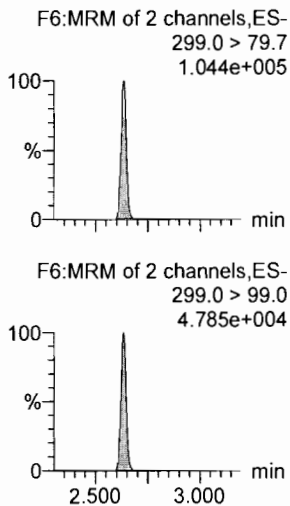
PFBA



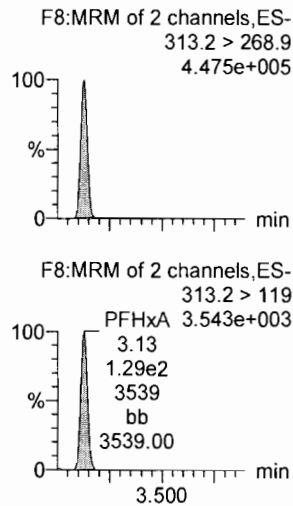
PFPeA



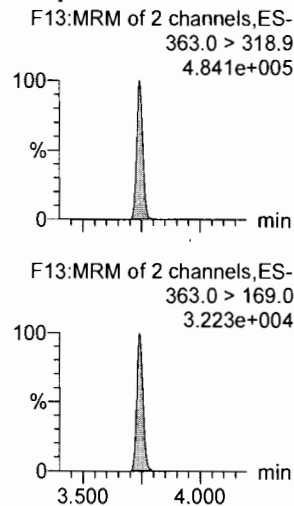
PFBS



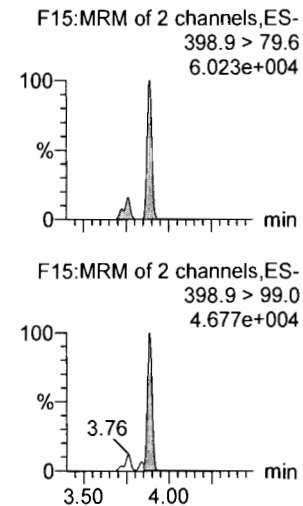
PFHxA



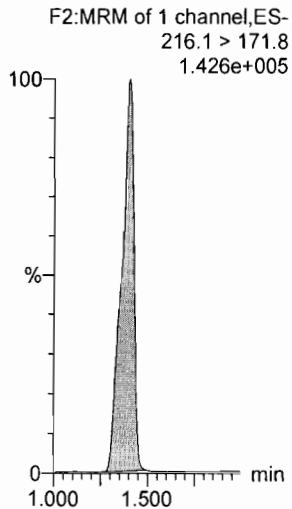
PFHpA



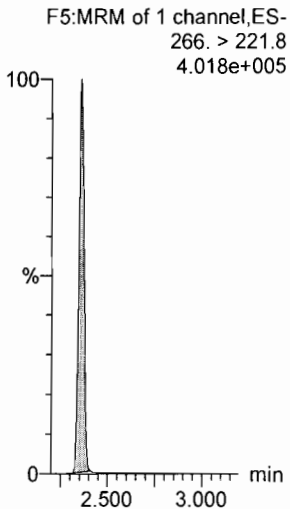
L-PFHxS



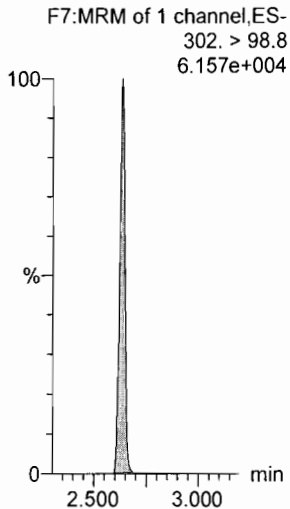
13C3-PFBA



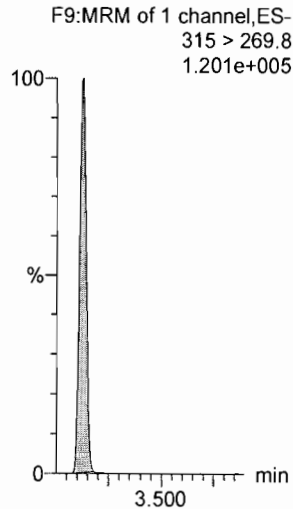
13C3-PFPeA



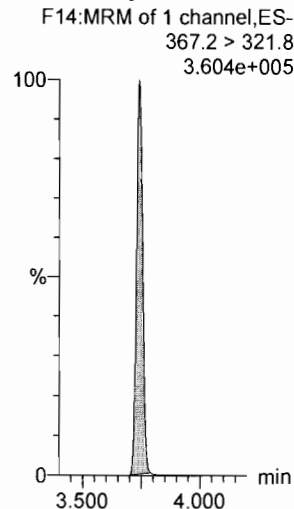
13C3-PFBS



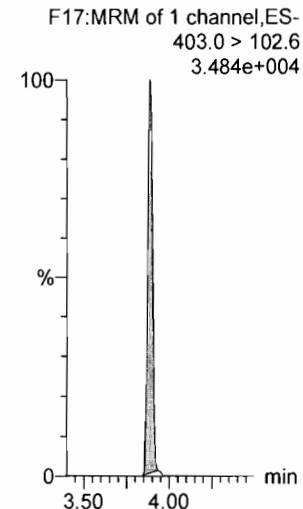
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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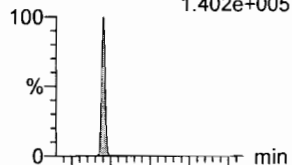
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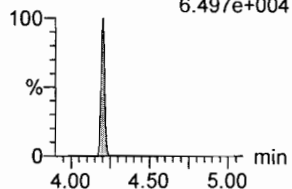
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.402e+005

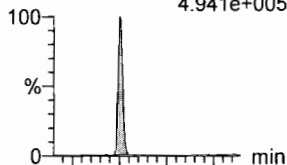


F21:MRM of 2 channels,ES-
427.1 > 80
6.497e+004

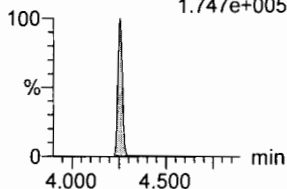


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
4.941e+005

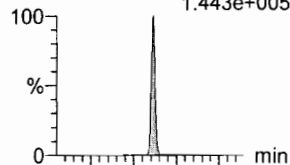


F18:MRM of 2 channels,ES-
413 > 169
1.747e+005

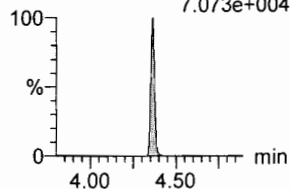


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.443e+005

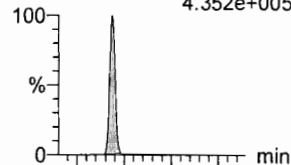


F23:MRM of 2 channels,ES-
449 > 98.7
7.073e+004

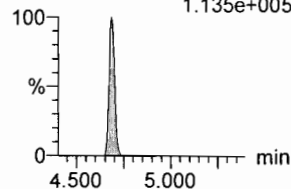


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.352e+005

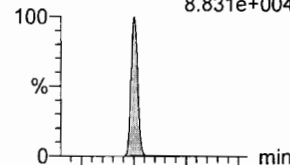


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.135e+005

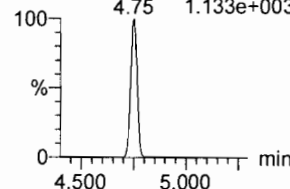


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
8.831e+004

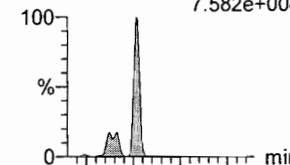


F27:MRM of 2 channels,ES-
498.1 > 478
1.133e+003

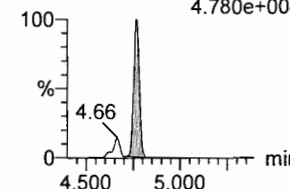


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
7.582e+004

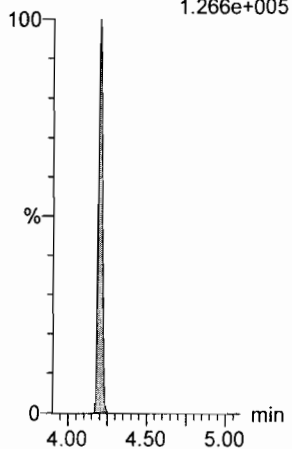


F29:MRM of 2 channels,ES-
499 > 99
4.780e+004



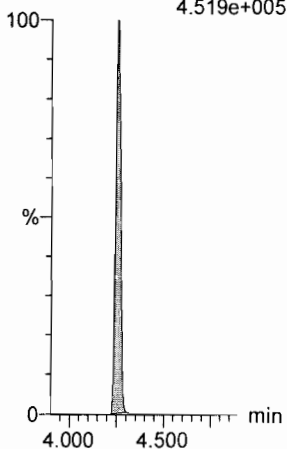
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.266e+005



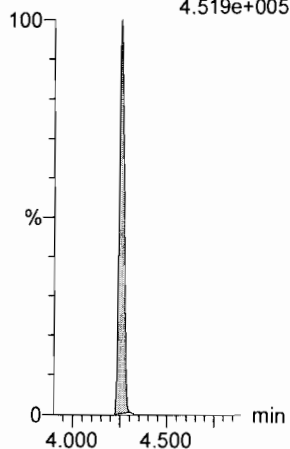
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
4.519e+005



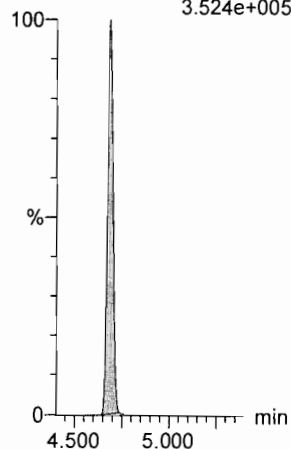
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
4.519e+005



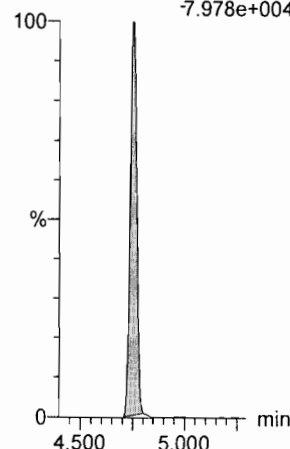
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
3.524e+005



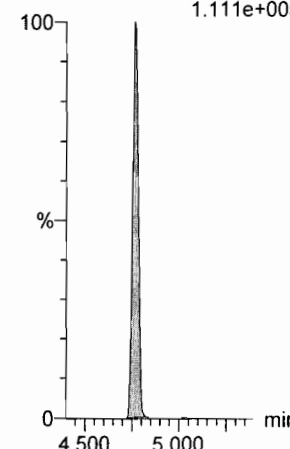
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
7.978e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.111e+005



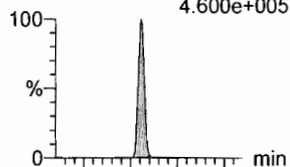
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Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

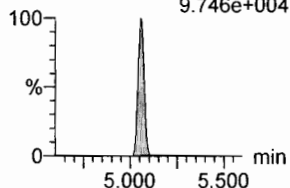
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.600e+005

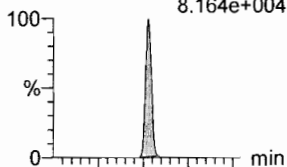


F34:MRM of 2 channels,ES-
513 > 219
9.746e+004

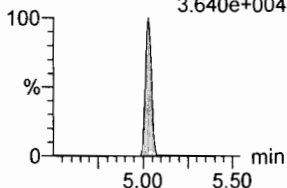


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
8.164e+004

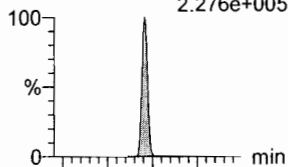


F39:MRM of 2 channels,ES-
527 > 80
3.640e+004

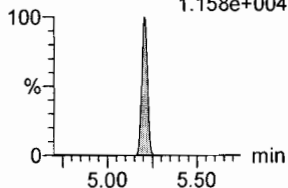


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.276e+005

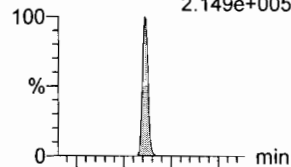


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.158e+004

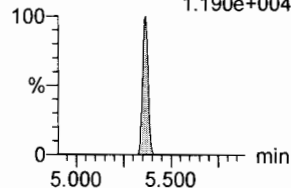


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.149e+005

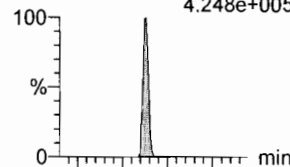


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.190e+004

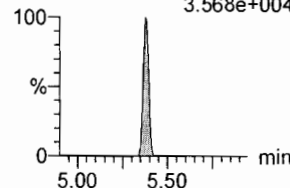


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.248e+005

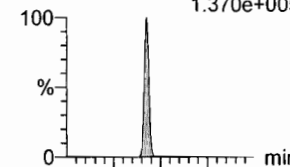


F42:MRM of 2 channels,ES-
563.0 > 269
3.568e+004

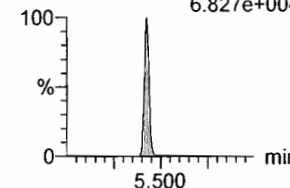


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.370e+005

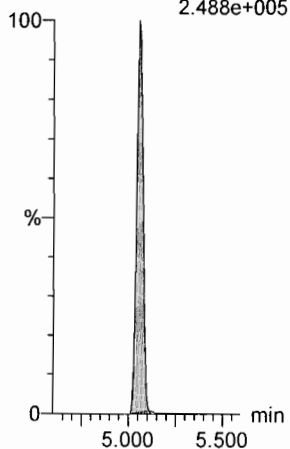


F49:MRM of 2 channels,ES-
598.8 > 98.7
6.827e+004



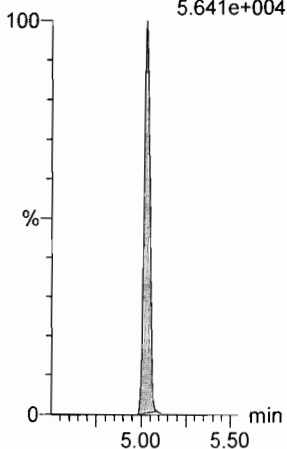
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
2.488e+005



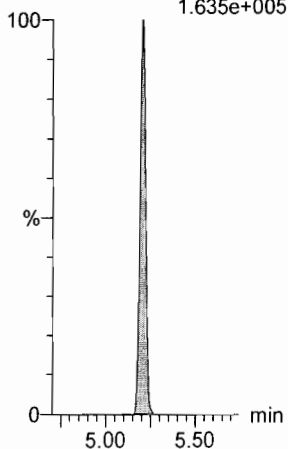
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
5.641e+004



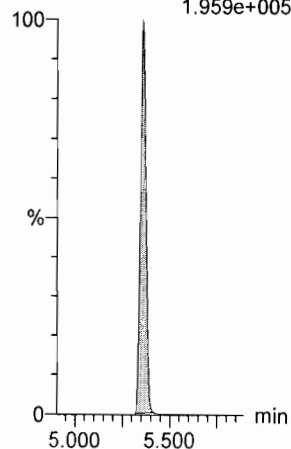
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.635e+005



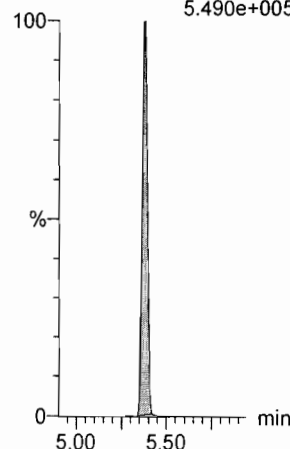
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
1.959e+005



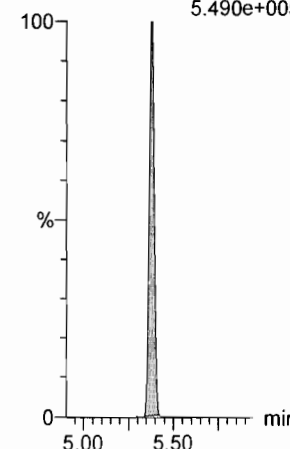
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.490e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.490e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-22.qld

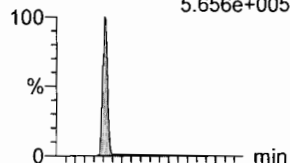
Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

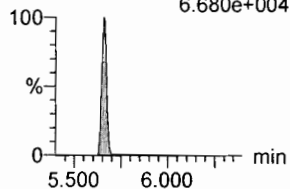
Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

PFDaA

F50:MRM of 2 channels,ES-
612.9 > 569.0
5.656e+005

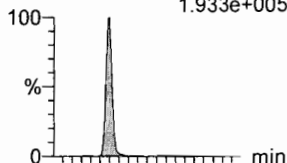


F50:MRM of 2 channels,ES-
612.9 > 318.8
6.680e+004

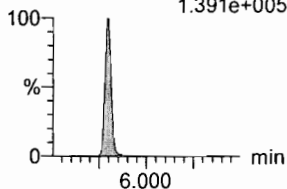


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.933e+005

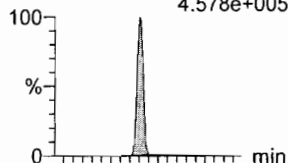


F33:MRM of 2 channels,ES-
512.1 > 219
1.391e+005

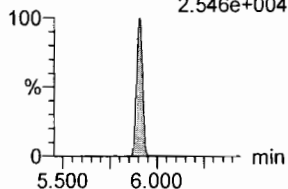


PFTrDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
4.578e+005

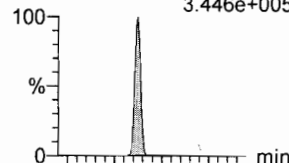


F56:MRM of 2 channels,ES-
662.9 > 319
2.546e+004

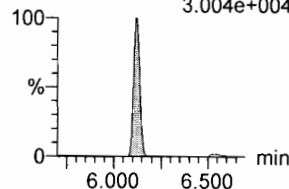


PFTeDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
3.446e+005

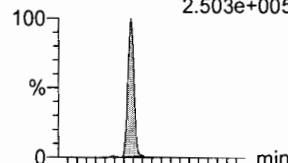


F57:MRM of 2 channels,ES-
712.9 > 369
3.004e+004

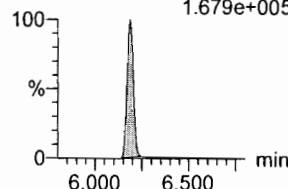


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
2.503e+005

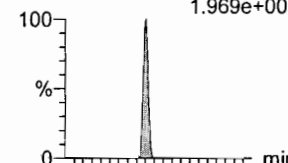


F38:MRM of 2 channels,ES-
526.1 > 219
1.679e+005

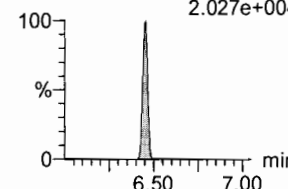


PFHxDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.969e+005

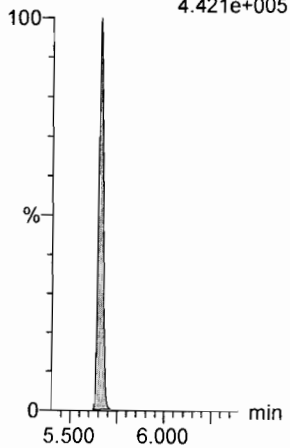


F59:MRM of 2 channels,ES-
813.1 > 219
2.027e+004



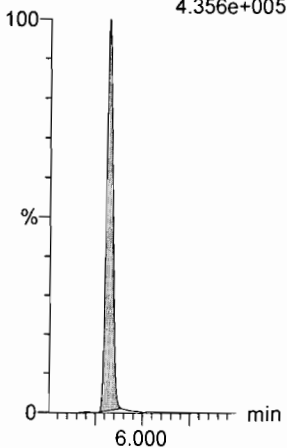
13C2-PFDaA

F51:MRM of 1 channel,ES-
615.0 > 569.7
4.421e+005



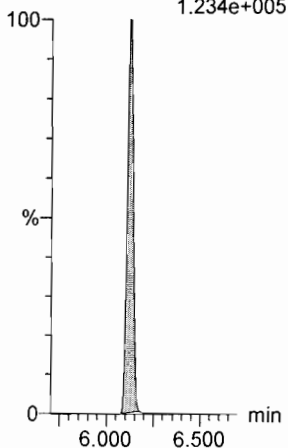
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.356e+005



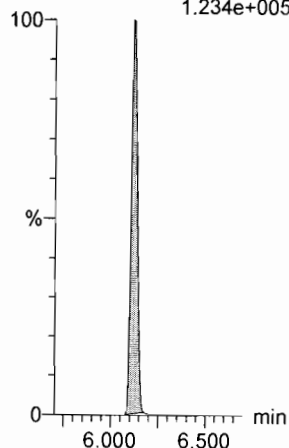
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.234e+005



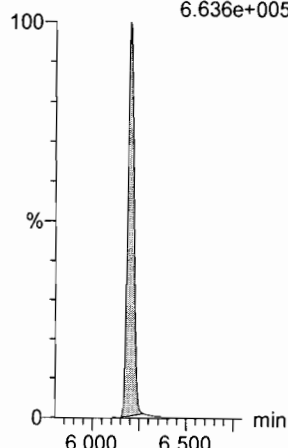
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.234e+005



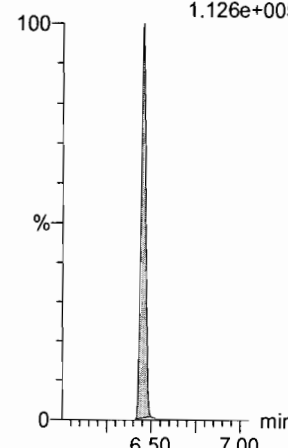
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
6.636e+005



13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.126e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-22.qld

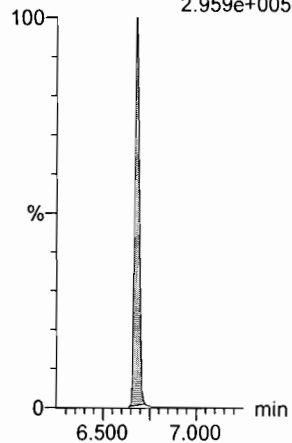
Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

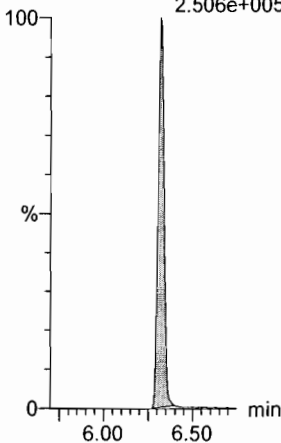
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.959e+005



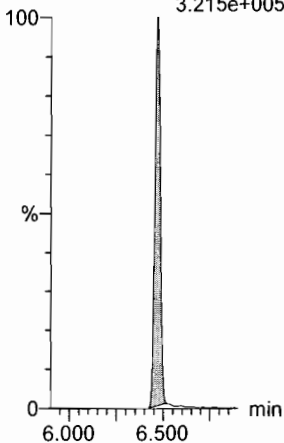
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
2.506e+005



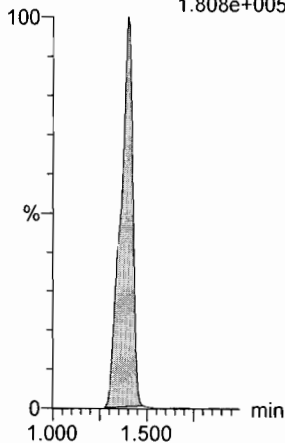
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
3.215e+005



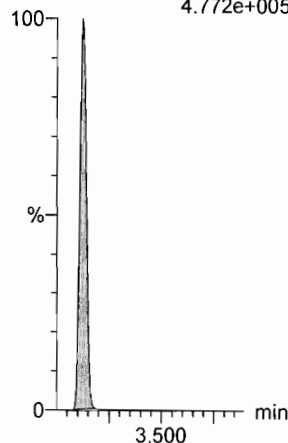
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.808e+005



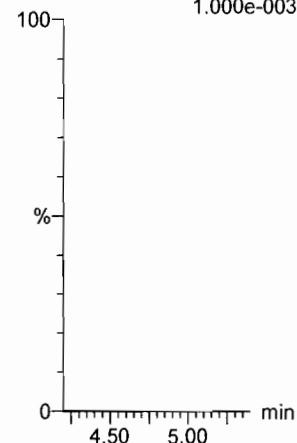
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.772e+005



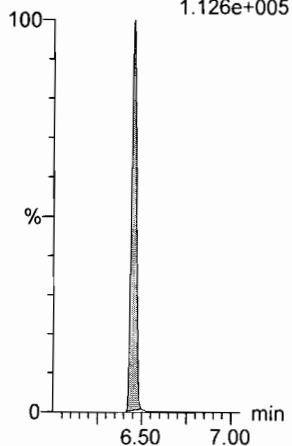
TCDA

F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



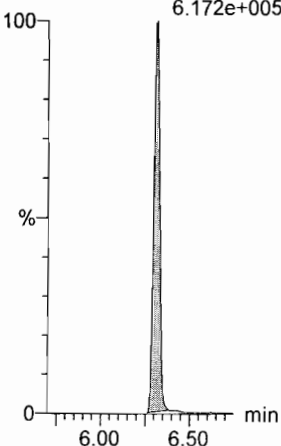
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.126e+005



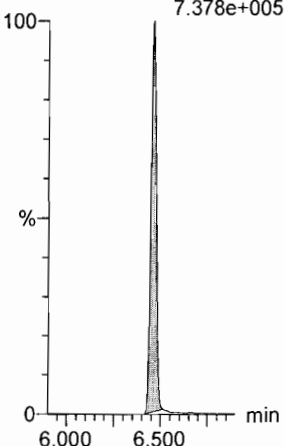
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
6.172e+005



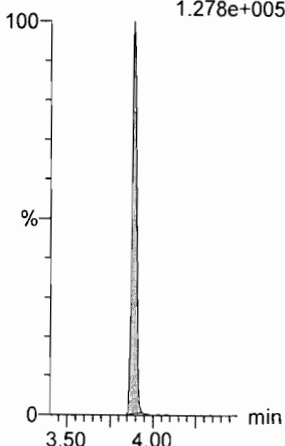
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
7.378e+005



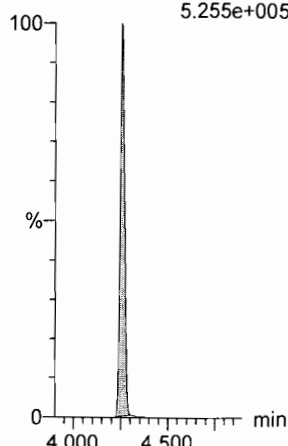
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.278e+005



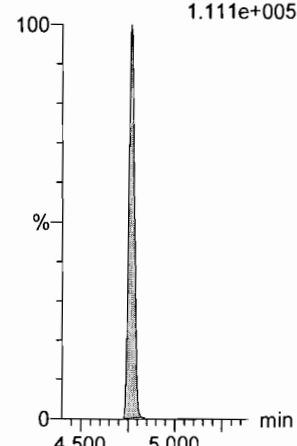
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.255e+005



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.111e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-22.qld

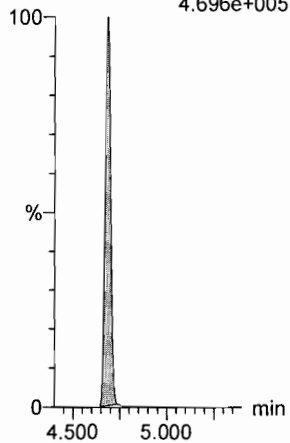
Last Altered: Saturday, December 30, 2017 15:23:36 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:41:27 Pacific Standard Time

Name: 171230M2_22, Date: 30-Dec-2017, Time: 15:06:01, ID: ST171230M2-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

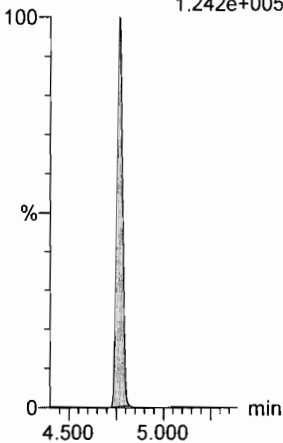
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.696e+005



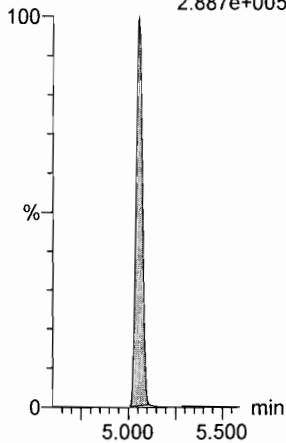
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.242e+005



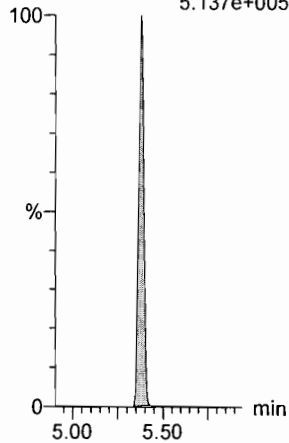
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
2.887e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.137e+005



Dataset: U:\Q4.PRO\results\171230M2\171230M2-36.qld

Last Altered: Sunday, December 31, 2017 10:39:19 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

AC
12/31/17

YJA
12/31/2017

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.19e4	1.07e4	1.0000		1.47	1.40	13.8	10.142	101.4
2	2 PFPeA	263.1 > 218.9	1.27e4	1.31e4	1.0000		2.35	2.36	12.1	10.177	101.8
3	3 PFBS	299.0 > 79.7	3.02e3	1.72e3	1.0000		2.70	2.63	21.9	10.144	101.4
4	4 PFHxA	313.2 > 268.9	1.60e4	4.22e3	1.0000		3.12	3.12	18.9	10.139	101.4
5	5 PFHpA	363.0 > 318.9	1.43e4	1.13e4	1.0000		3.75	3.74	15.8	10.057	100.6
6	6 L-PFHxS	398.9 > 79.6	2.27e3	1.39e3	1.0000		3.85	3.89	20.4	9.622	96.2
7	8 6:2 FTS	427.1 > 407	3.35e3	1.40e4	1.0000		4.20	4.20	2.99	12.012	120.1
8	9 L-PFOA	413 > 368.7	1.36e4	1.40e4	1.0000		4.25	4.25	12.1	9.970	99.7
9	11 PFHpS	449 > 80.0	3.57e3	1.40e4	1.0000		4.35	4.36	3.18	12.641	126.4
10	12 PFNA	463.0 > 418.8	1.40e4	1.46e4	1.0000		4.70	4.69	12.0	7.741	77.4
11	13 PFOSA	498.1 > 77.8	3.38e3	3.41e3	1.0000		4.81	4.75	12.4	9.300	93.0
12	14 L-PFOS	499 > 79.9	3.70e3	3.74e3	1.0000		4.75	4.76	12.4	9.264	92.6
13	16 PFDA	513 > 468.8	1.71e4	1.31e4	1.0000		5.05	5.06	16.4	10.903	109.0
14	17 8:2 FTS	527 > 506.9	3.53e3	1.31e4	1.0000		5.02	5.03	3.38	10.887	108.9
15	18 N-MeFOSAA	570.1 > 419	8.44e3	5.73e3	1.0000		5.20	5.21	18.4	11.064	110.6
16	19 N-EtFOSAA	584.2 > 419	7.14e3	7.06e3	1.0000		5.42	5.36	12.6	9.483	94.8
17	20 PFuDA	563.0 > 518.9	1.57e4	1.53e4	1.0000		5.35	5.38	12.8	10.373	103.7
18	21 PFDS	598.8 > 80	3.99e3	1.53e4	1.0000		5.50	5.43	3.25	9.169	91.7
19	22 PFDoA	612.9 > 569.0	1.73e4	1.18e4	1.0000		5.70	5.66	18.3	8.603	86.0
20	23 N-MeFOSA	512.1 > 168.9	7.17e3	1.78e4	1.0000		5.77	5.80	60.3	54.163	108.3
21	24 PFTTrDA	662.9 > 618.9	1.45e4	1.18e4	1.0000		5.95	5.90	15.4	8.820	88.2
22	25 PFTeDA	712.9 > 668.8	7.46e3	3.61e3	1.0000		6.16	6.12	25.9	7.680	76.8
23	26 N-EtFOSA	526.1 > 168.9	8.99e3	2.54e4	1.0000		6.15	6.19	53.1	53.191	106.4
24	27 PFHxDA	813.1 > 768.6	4.90e3	2.71e3	1.0000		6.48	6.45	9.03	9.277	92.8
25	28 PFODA	913.1 > 868.8	7.37e3	2.71e3	1.0000		6.70	6.68	13.6	9.663	96.6
26	29 N-MeFOSE	616.1 > 58.9	9.07e3	2.07e4	1.0000		6.30	6.32	65.6	51.227	102.5
27	30 N-EtFOSE	630.1 > 58.9	1.05e4	2.10e4	1.0000		6.42	6.47	74.8	61.026	122.1
28	31 13C3-PFBA	216.1 > 171.8	1.07e4	1.38e4	1.0000	0.783	1.47	1.40	9.70	12.387	99.1
29	32 13C3-PFPeA	266. > 221.8	1.31e4	1.62e4	1.0000	0.807	2.44	2.36	10.1	12.567	100.5
30	33 13C3-PFBS	302. > 98.8	1.72e3	1.62e4	1.0000	0.108	2.70	2.63	1.33	12.319	98.6
31	34 13C2-PFHxA	315 > 269.8	4.22e3	1.62e4	1.0000	0.636	3.20	3.12	3.26	5.125	102.5

70-130

50-150

Dataset: U:\Q4.PRO\results\171230M2\171230M2-36.qld

Last Altered: Sunday, December 31, 2017 10:39:19 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.13e4	1.62e4	1.0000	0.652	3.80	3.74	8.73	13.383	107.1
33	36 18O2-PFHxS	403.0 > 102.6	1.39e3	4.17e3	1.0000	0.321	3.95	3.89	4.17	13.006	104.0
34	37 13C2-6:2 FTS	429.1 > 408.9	3.54e3	1.40e4	1.0000	0.192	4.26	4.20	3.17	16.494	132.0
35	38 13C2-PFOA	414.9 > 369.7	1.40e4	1.40e4	1.0000	0.945	4.32	4.25	12.5	13.274	106.2
36	39 13C5-PFNA	468.2 > 422.9	1.46e4	1.88e4	1.0000	0.832	4.75	4.69	9.71	11.669	93.3
37	40 13C8-PFOSA	506.1 > 77.7	3.41e3	1.69e4	1.0000	0.204	4.81	4.75	2.53	12.403	99.2
38	41 13C8-PFOS	507.0 > 79.9	3.74e3	4.09e3	1.0000	0.948	4.83	4.77	11.4	12.060	96.5
39	42 13C2-PFDA	515.1 > 469.9	1.31e4	1.44e4	1.0000	0.986	5.11	5.06	11.3	11.492	91.9
40	43 13C2-8:2 FTS	529.1 > 508.7	2.26e3	1.62e4	1.0000	0.124	5.09	5.03	1.74	14.016	112.1
41	44 d3-N-MeFOSAA	573.3 > 419	5.73e3	1.69e4	1.0000	0.391	5.26	5.20	4.24	10.852	86.8
42	45 d5-N-EtFOSAA	589.3 > 419	7.06e3	1.69e4	1.0000	0.451	5.42	5.36	5.23	11.588	92.7
43	46 13C2-PFUdA	565 > 519.8	1.53e4	1.69e4	1.0000	0.900	5.43	5.38	11.4	12.606	100.8
44	47 13C2-PFDoA	615.0 > 569.7	1.18e4	1.69e4	1.0000	0.617	5.70	5.66	8.73	14.154	113.2
45	48 d3-N-MeFOSA	515.2 > 168.9	1.78e4	1.69e4	1.0000	0.097	5.80	5.82	13.2	135.637	90.4
46	49 13C2-PFTeDA	714.8 > 669.6	3.61e3	1.69e4	1.0000	0.196	6.16	6.12	2.67	13.638	109.1
47	50 d5-N-ETFOSA	531.1 > 168.9	2.54e4	1.69e4	1.0000	0.147	6.16	6.20	18.8	128.259	85.5
48	51 13C2-PFHxDA	815 > 769.7	2.71e3	1.69e4	1.0000	0.435	6.48	6.45	2.01	4.619	92.4
49	52 d7-N-MeFOSE	623.1 > 58.9	2.07e4	1.69e4	1.0000	0.108	6.30	6.31	15.4	142.058	94.7
50	53 d9-N-EtFOSE	639.2 > 58.8	2.10e4	1.69e4	1.0000	0.116	6.42	6.46	15.6	134.669	89.8
51	54 13C4-PFBA	217. > 171.8	1.38e4	1.38e4	1.0000	1.000	1.47	1.40	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.62e4	1.62e4	1.0000	1.000	3.20	3.12	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.17e3	4.17e3	1.0000	1.000	3.95	3.89	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.40e4	1.40e4	1.0000	1.000	4.32	4.25	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.88e4	1.88e4	1.0000	1.000	4.75	4.69	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	4.09e3	4.09e3	1.0000	1.000	4.83	4.76	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.44e4	1.44e4	1.0000	1.000	5.11	5.06	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.69e4	1.69e4	1.0000	1.000	5.43	5.37	12.5	12.500	100.0

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Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 10:46:14 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:47:44 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171230M2_1	IPA 2	30-Dec-17	11:10:53
2	171230M2_2	ST171230M2-1 PFC CS0 17L2608	30-Dec-17	11:22:01
3	171230M2_3	IPA	30-Dec-17	11:33:12
4	171230M2_4	1701802-08RE1 FC-MW02IR1-P2-20171128 ...	30-Dec-17	11:44:23
5	171230M2_5	1701802-09RE1 FC-MW02IR1-P3-20171128 ...	30-Dec-17	11:55:33
6	171230M2_6	IPA	30-Dec-17	12:06:44
7	171230M2_7	B7L0171-BS1 OPR 0.25	30-Dec-17	12:17:55
8	171230M2_8	IPA	30-Dec-17	12:29:06
9	171230M2_9	B7L0171-BLK1 Method Blank 0.25	30-Dec-17	12:40:16
10	171230M2_10	B7L0171-MS1 Matrix Spike 0.25217	30-Dec-17	12:51:27
11	171230M2_11	B7L0171-MSD1 Matrix Spike Dup 0.2644	30-Dec-17	13:02:38
12	171230M2_12	1701929-01 SB01 0.26085	30-Dec-17	13:13:49
13	171230M2_13	1701929-02 EB01 0.26531	30-Dec-17	13:24:59
14	171230M2_14	1701929-03 UXOSite11-GW-GMMW04-20171...	30-Dec-17	13:36:10
15	171230M2_15	1701929-04 UXOSite11-GW-GMMW08-20171...	30-Dec-17	13:47:20
16	171230M2_16	1701929-05 UXOSite11-GW-GMMW10-20171...	30-Dec-17	13:58:31
17	171230M2_17	1701929-06 IRSite13-GW-BUAMW011-20171...	30-Dec-17	14:09:42
18	171230M2_18	1701929-07 IRSite13-GW-BUAMW015-20171...	30-Dec-17	14:20:53
19	171230M2_19	1701929-08 IRSite13-GW-BUAMW012-20171...	30-Dec-17	14:32:03
20	171230M2_20	1701929-09 IRSite13-GW-BUAMW016-20171...	30-Dec-17	14:43:43
21	171230M2_21	IPA	30-Dec-17	14:54:50
22	171230M2_22	ST171230M2-2 PFC CS3 17L2611	30-Dec-17	15:06:01
23	171230M2_23	IPA	30-Dec-17	15:17:12
24	171230M2_24	1701929-10 DUP01 27034	30-Dec-17	15:28:23
25	171230M2_25	1701929-11 IRSite13-GW-BUAMW010-20171...	30-Dec-17	15:39:33
26	171230M2_26	1701929-12 IRSite13-GW-BUAMW002-20171...	30-Dec-17	15:50:44
27	171230M2_27	1701943-01 WI-A06-6-S-04-1217 0.125	30-Dec-17	16:01:54
28	171230M2_28	1701943-03 WI-A06-6-S-19-1217 0.12062	30-Dec-17	16:13:05
29	171230M2_29	1701943-05 WI-A06-6-S-19P-1217 0.11997	30-Dec-17	16:24:16
30	171230M2_30	1701943-07 WI-A06-6-S-31-1217 0.12406	30-Dec-17	16:35:27
31	171230M2_31	1701943-09 WI-A06-EB07-121117 0.12057	30-Dec-17	16:46:37

Dataset: Untitled

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Compound name: PFBA

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32	171230M2_32	1701943-11 WI-A06-6-S-08-1217 0.12355	30-Dec-17	16:57:48
33	171230M2_33	1701943-13 WI-A06-EB08-121217 0.12255	30-Dec-17	17:08:59
34	171230M2_34	B7L0092-MS1@25X Matrix Spike 16.49	30-Dec-17	17:20:09
35	171230M2_35	IPA	30-Dec-17	17:31:20
36	171230M2_36	ST171230M2-3 PFC CS3 17L2611	30-Dec-17	17:42:31
37	171230M2_37	IPA	30-Dec-17	17:53:41

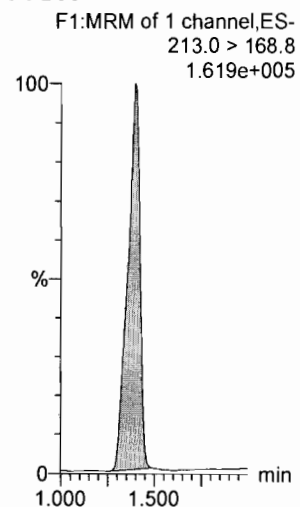
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Last Altered: Sunday, December 31, 2017 10:39:19 Pacific Standard Time
Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

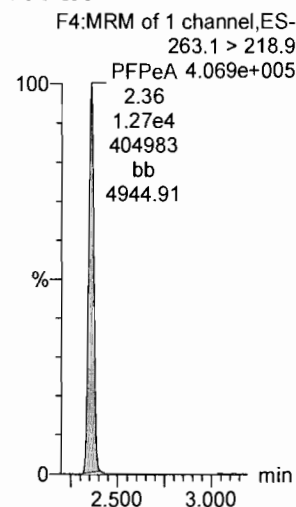
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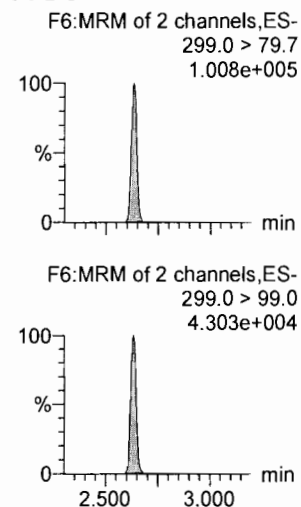
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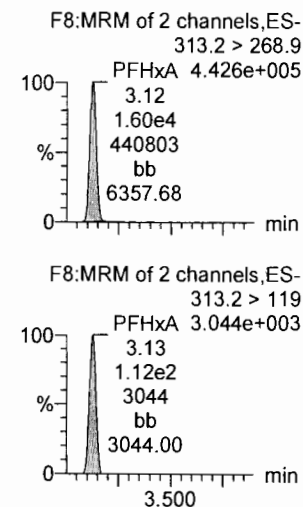
PFPeA



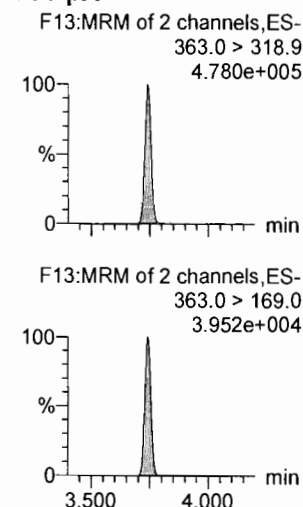
PFBS



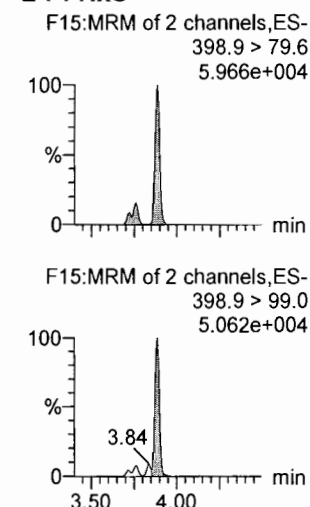
PFHxA



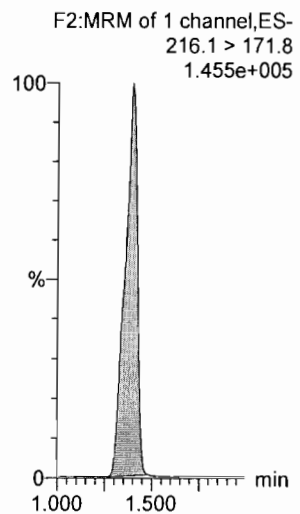
PFHpA



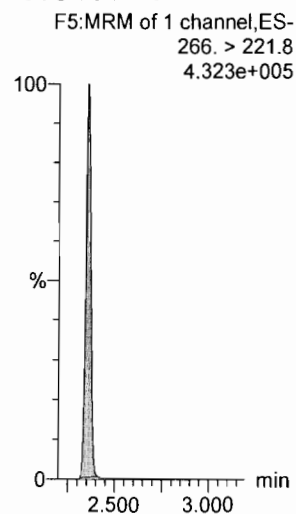
L-PFHxS



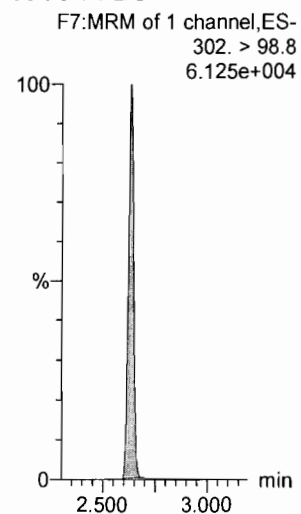
13C3-PFBA



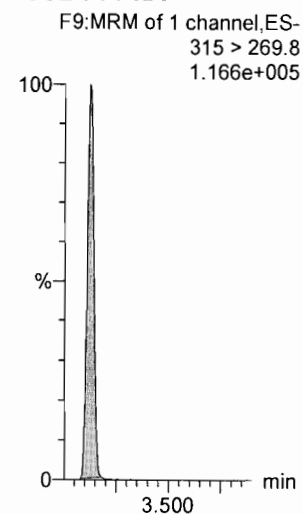
13C3-PFPeA



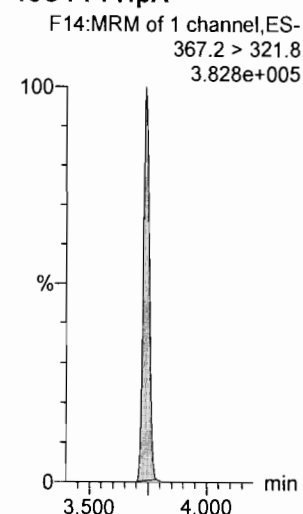
13C3-PFBS



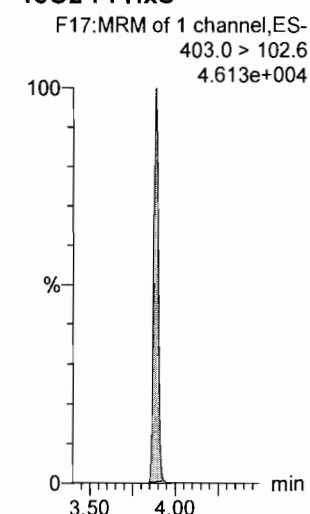
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

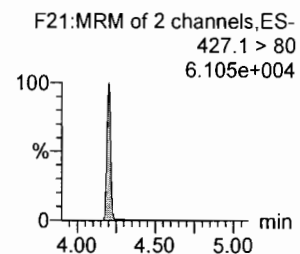
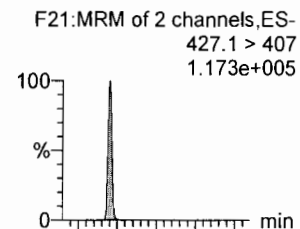


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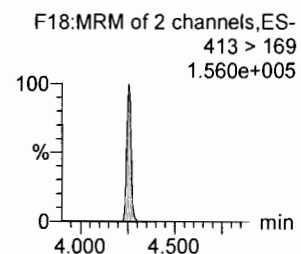
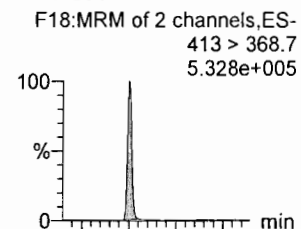
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Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

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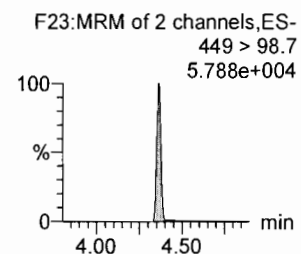
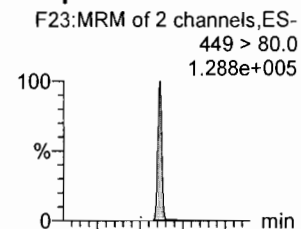
6:2 FTS



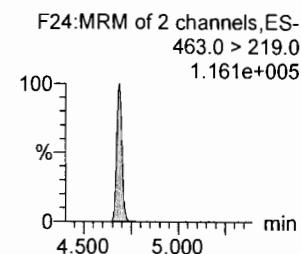
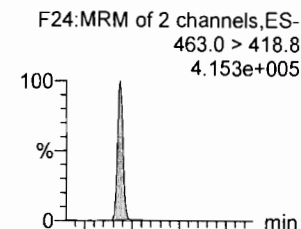
L-PFOA



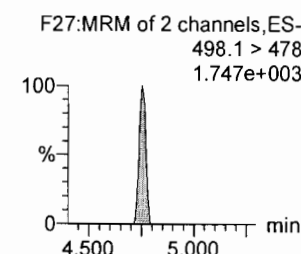
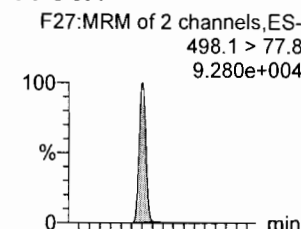
PFHpS



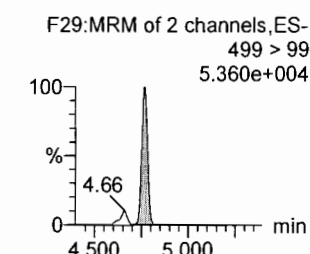
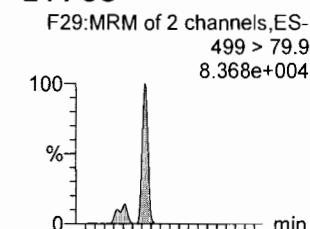
PFNA



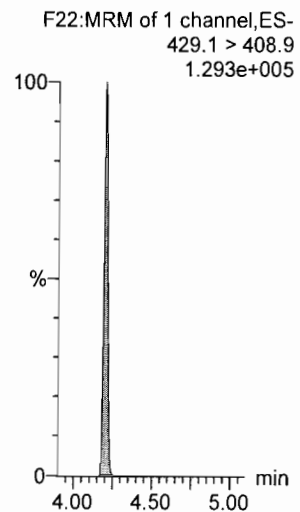
PFOSA



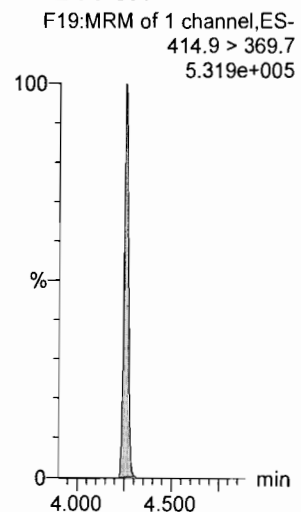
L-PFOS



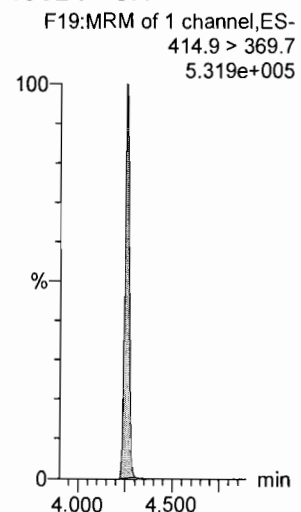
13C2-6:2 FTS



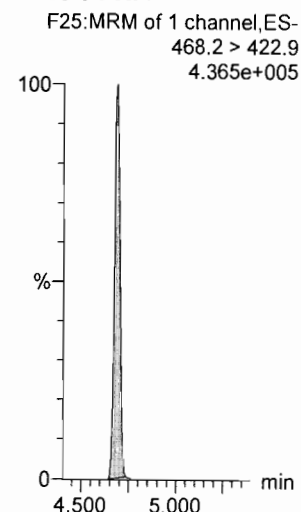
13C2-PFOA



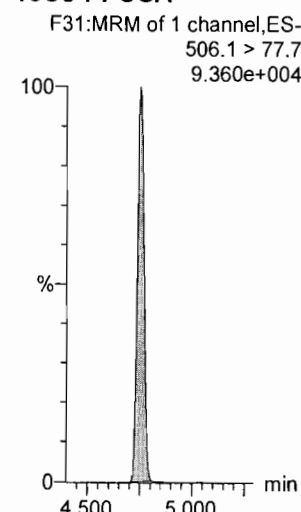
13C2-PFOA



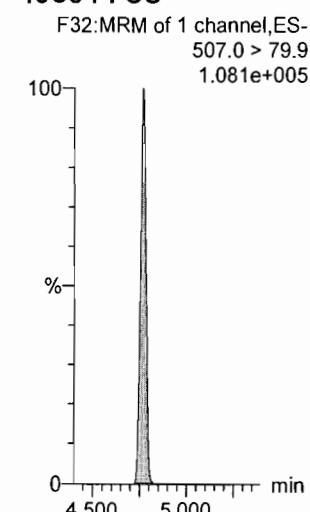
13C5-PFNA



13C8-PFOSA



13C8-PFOS



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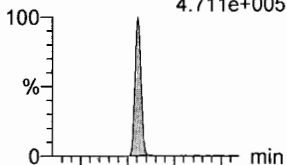
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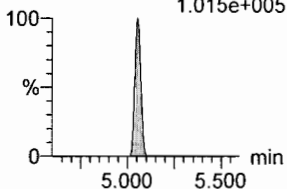
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.711e+005

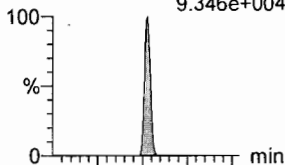


F34:MRM of 2 channels,ES-
513 > 219
1.015e+005

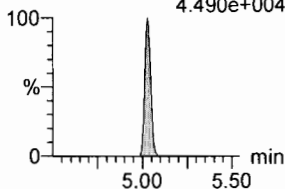


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
9.346e+004

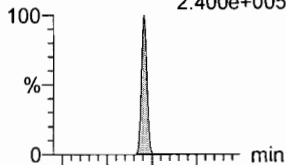


F39:MRM of 2 channels,ES-
527 > 80
4.490e+004

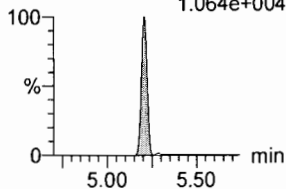


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.400e+005

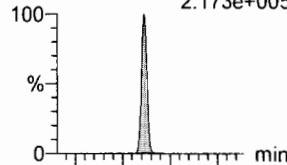


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.064e+004

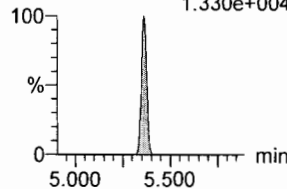


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.173e+005

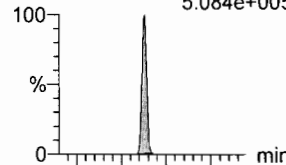


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.330e+004

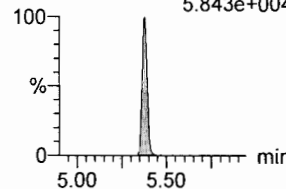


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
5.084e+005

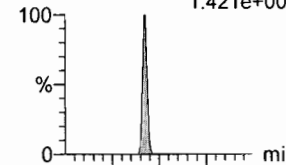


F42:MRM of 2 channels,ES-
563.0 > 269
5.843e+004

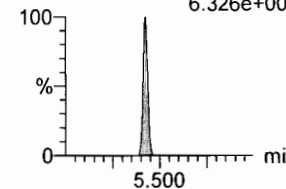


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.421e+005

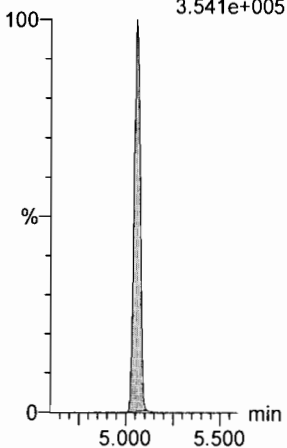


F49:MRM of 2 channels,ES-
598.8 > 98.7
6.326e+004



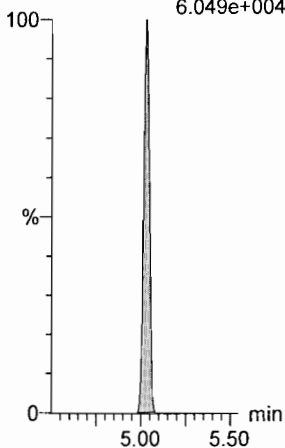
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.541e+005



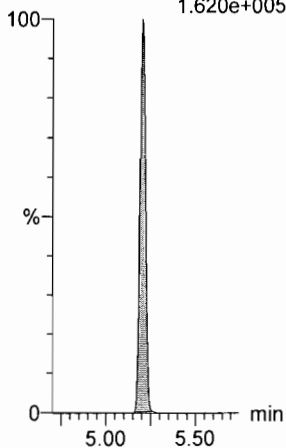
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.049e+004



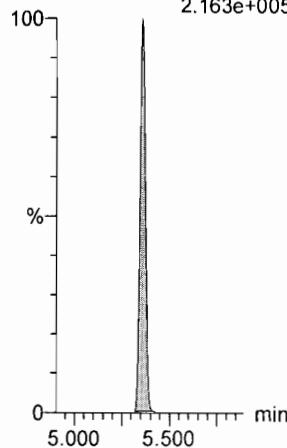
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.620e+005



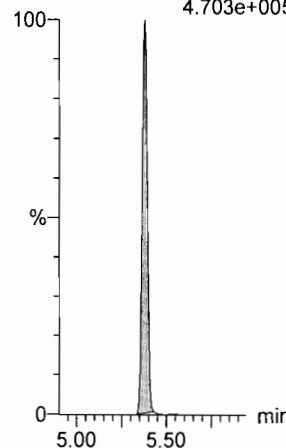
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.163e+005



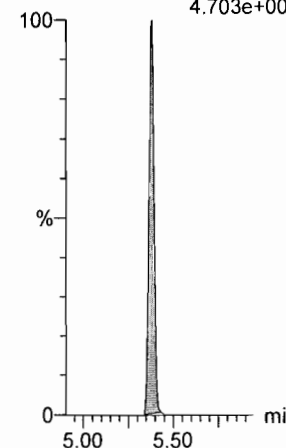
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.703e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.703e+005



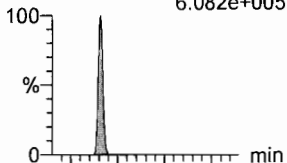
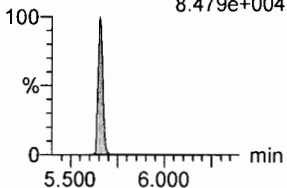
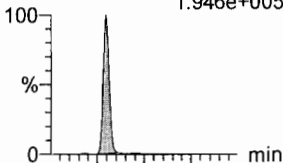
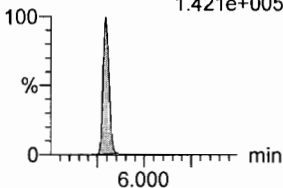
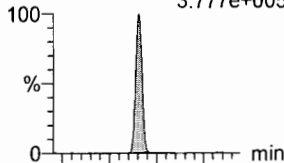
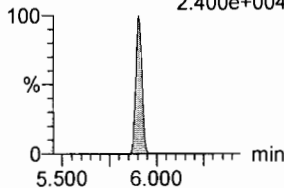
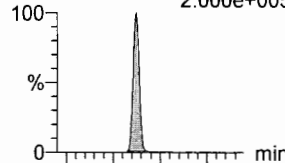
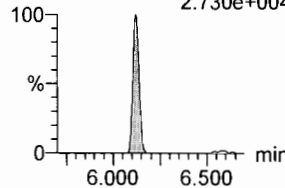
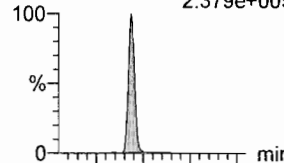
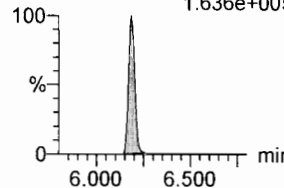
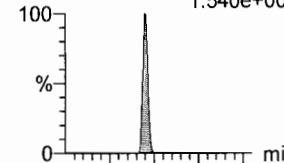
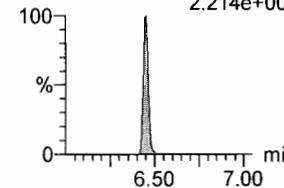
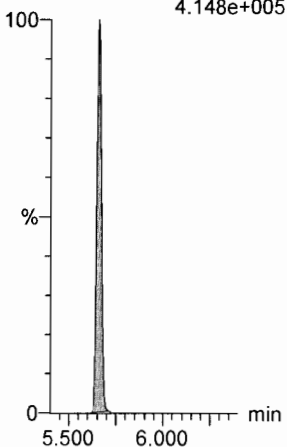
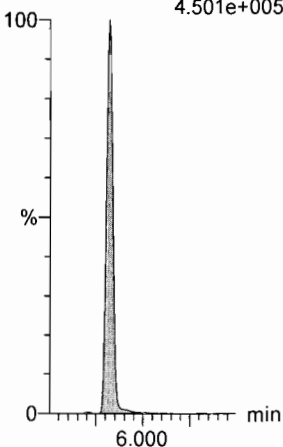
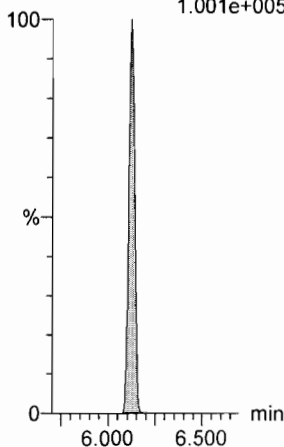
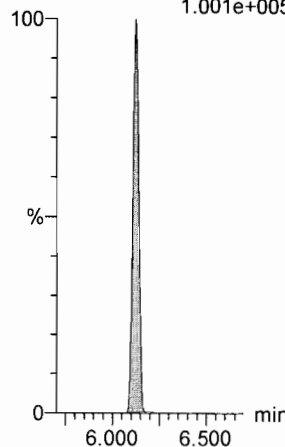
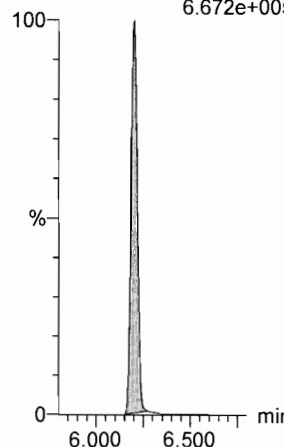
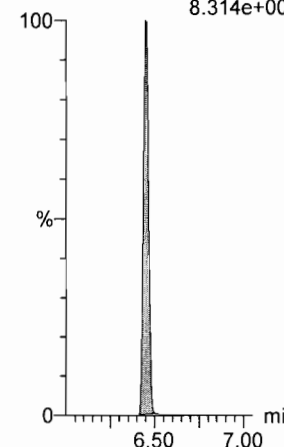
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171230M2\171230M2-36.qld

Last Altered: Sunday, December 31, 2017 10:39:19 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

PFD_oAF50:MRM of 2 channels,ES-
612.9 > 569.0
6.082e+005F50:MRM of 2 channels,ES-
612.9 > 318.8
8.479e+004**N-MeFOSA**F33:MRM of 2 channels,ES-
512.1 > 168.9
1.946e+005F33:MRM of 2 channels,ES-
512.1 > 219
1.421e+005**PFT_rDA**F56:MRM of 2 channels,ES-
662.9 > 618.9
3.777e+005F56:MRM of 2 channels,ES-
662.9 > 319
2.400e+004**PFT_eDA**F57:MRM of 2 channels,ES-
712.9 > 668.8
2.000e+005F57:MRM of 2 channels,ES-
712.9 > 369
2.730e+004**N-EtFOSA**F38:MRM of 2 channels,ES-
526.1 > 168.9
2.379e+005F38:MRM of 2 channels,ES-
526.1 > 219
1.636e+005**PFH_xDA**F59:MRM of 2 channels,ES-
813.1 > 768.6
1.540e+005F59:MRM of 2 channels,ES-
813.1 > 219
2.214e+004**¹³C2-PFD_oA**F51:MRM of 1 channel,ES-
615.0 > 569.7
4.148e+005**^d3-N-MeFOSA**F36:MRM of 1 channel,ES-
515.2 > 168.9
4.501e+005**¹³C2-PFT_eDA**F58:MRM of 2 channels,ES-
714.8 > 669.6
1.001e+005**¹³C2-PFT_eDA**F58:MRM of 2 channels,ES-
714.8 > 669.6
1.001e+005**^d5-N-ETFOSA**F41:MRM of 1 channel,ES-
531.1 > 168.9
6.672e+005**¹³C2-PFH_xDA**F60:MRM of 1 channel,ES-
815 > 769.7
8.314e+004

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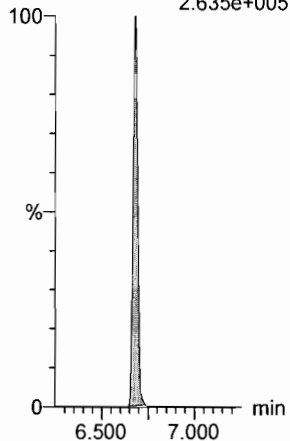
Last Altered: Sunday, December 31, 2017 10:39:19 Pacific Standard Time

Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

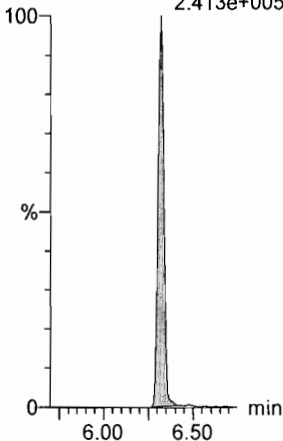
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.635e+005



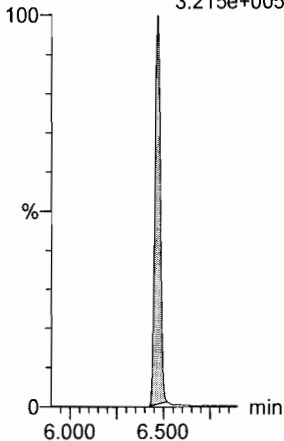
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
2.413e+005



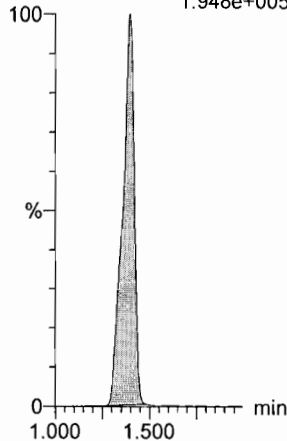
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
3.215e+005



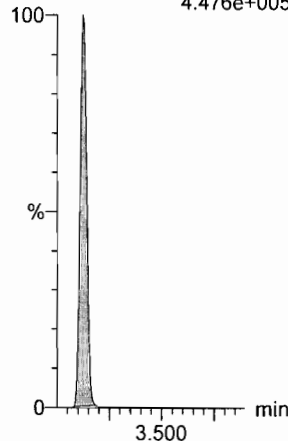
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.948e+005



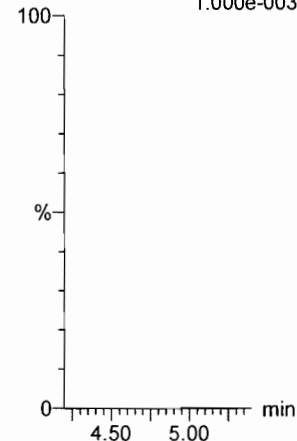
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.476e+005



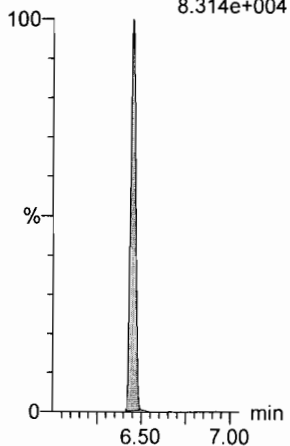
TCDA

F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



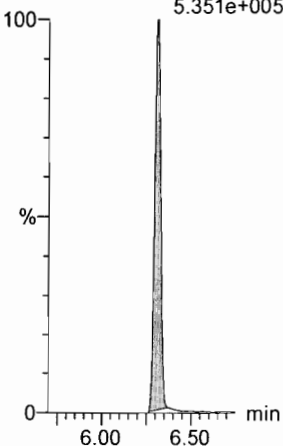
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.314e+004



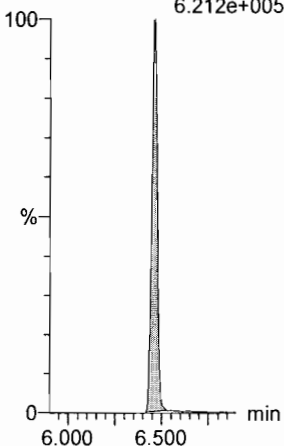
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.351e+005



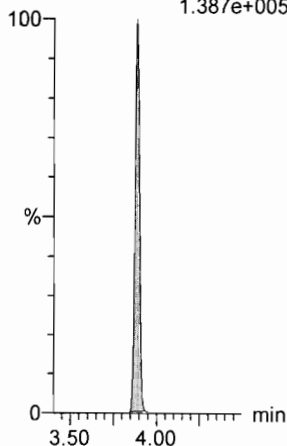
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.212e+005



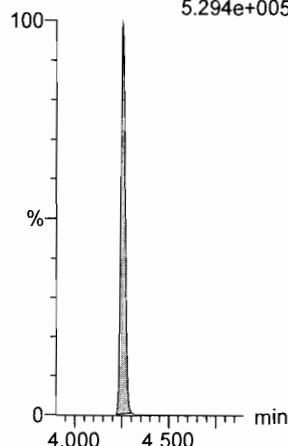
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.387e+005



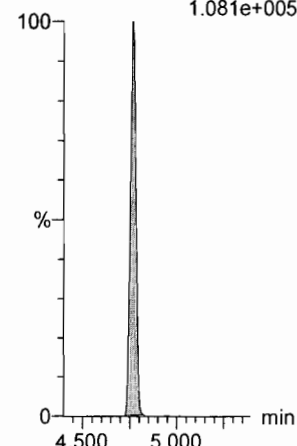
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.294e+005



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.081e+005



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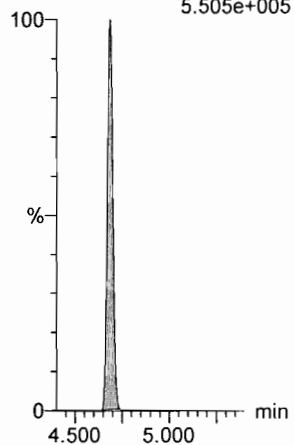
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Printed: Sunday, December 31, 2017 10:40:26 Pacific Standard Time

Name: 171230M2_36, Date: 30-Dec-2017, Time: 17:42:31, ID: ST171230M2-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

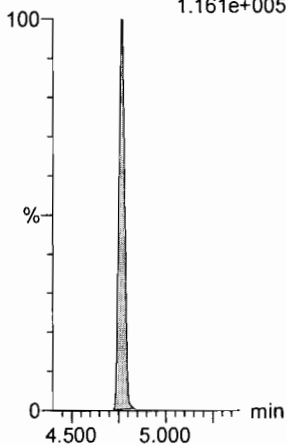
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.505e+005



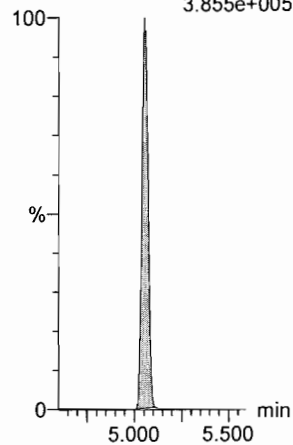
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.161e+005



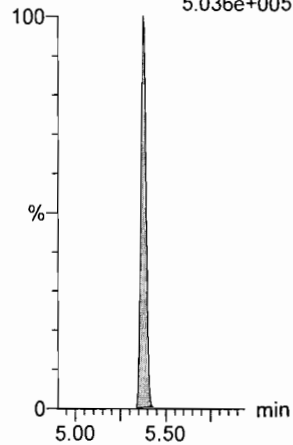
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.855e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.036e+005



Dataset: U:\Q4.PRO\results\New folder (2)\171231M1-IIS.qld

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Method: U:\Q4.PRO\MethDB\PFAS_RS-12-29-17.mdb 30 Dec 2017 10:03:31

Calibration: 02 Jan 2018 14:03:52

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171231M1-1 PFC CS0 17L2608	1.44e4	100.0	NO
2	2 13C5-PFHxA	ST171231M1-1 PFC CS0 17L2608	1.66e4	100.0	NO
3	3 13C3-PFHxS	ST171231M1-1 PFC CS0 17L2608	4.38e3	100.0	NO
4	4 13C8-PFOA	ST171231M1-1 PFC CS0 17L2608	1.66e4	100.0	NO
5	5 13C9-PFNA	ST171231M1-1 PFC CS0 17L2608	1.73e4	100.0	NO
6	6 13C4-PFOS	ST171231M1-1 PFC CS0 17L2608	4.54e3	100.0	NO
7	7 13C6-PFDA	ST171231M1-1 PFC CS0 17L2608	1.46e4	100.0	NO
8	8 13C7-PFUDa	ST171231M1-1 PFC CS0 17L2608	1.96e4	100.0	NO

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA

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

Name: 171231M1_4, Date: 31-Dec-2017, Time: 14:14:56, ID: B7L0171-BS1 OPR 0.25, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7L0171-BS1 OPR 0.25	8.11e3	56.1	NO
2	2 13C5-PFHxA	B7L0171-BS1 OPR 0.25	1.02e4	61.4	NO
3	3 13C3-PFHxS	B7L0171-BS1 OPR 0.25	2.66e3	60.9	NO
4	4 13C8-PFOA	B7L0171-BS1 OPR 0.25	8.28e3	49.8	YES
5	5 13C9-PFNA	B7L0171-BS1 OPR 0.25	8.58e3	49.5	YES
6	6 13C4-PFOS	B7L0171-BS1 OPR 0.25	2.51e3	55.4	NO
7	7 13C6-PFDA	B7L0171-BS1 OPR 0.25	8.90e3	60.8	NO
8	8 13C7-PFUDa	B7L0171-BS1 OPR 0.25	1.22e4	62.4	NO

Name: 171231M1_5, Date: 31-Dec-2017, Time: 14:26:07, ID: IPA, Description: IPA

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

Dataset: U:\Q4.PRO\results\New folder (2)\171231M1-IIS.qld

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Name: 171231M1_6, Date: 31-Dec-2017, Time: 14:37:18, ID: B7L0171-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0171-BLK1 Method Blank 0.25	8.58e3	59.4	NO
2	2	13C5-PFHxA	B7L0171-BLK1 Method Blank 0.25	1.05e4	63.4	NO
3	3	13C3-PFHxS	B7L0171-BLK1 Method Blank 0.25	2.52e3	57.5	NO
4	4	13C8-PFOA	B7L0171-BLK1 Method Blank 0.25	9.22e3	55.4	NO
5	5	13C9-PFNA	B7L0171-BLK1 Method Blank 0.25	1.12e4	64.7	NO
6	6	13C4-PFOS	B7L0171-BLK1 Method Blank 0.25	2.20e3	48.4	YES
7	7	13C6-PFDA	B7L0171-BLK1 Method Blank 0.25	9.44e3	64.5	NO
8	8	13C7-PFUDa	B7L0171-BLK1 Method Blank 0.25	1.26e4	64.4	NO

Name: 171231M1_7, Date: 31-Dec-2017, Time: 14:48:28, ID: B7L0171-MS1 Matrix Spike 0.25217, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0171-MS1 Matrix Spike 0.25217	7.79e3	53.9	NO
2	2	13C5-PFHxA	B7L0171-MS1 Matrix Spike 0.25217	9.90e3	59.7	NO
3	3	13C3-PFHxS	B7L0171-MS1 Matrix Spike 0.25217	2.66e3	60.7	NO
4	4	13C8-PFOA	B7L0171-MS1 Matrix Spike 0.25217	1.04e4	62.5	NO
5	5	13C9-PFNA	B7L0171-MS1 Matrix Spike 0.25217	1.03e4	59.5	NO
6	6	13C4-PFOS	B7L0171-MS1 Matrix Spike 0.25217	2.43e3	53.6	NO
7	7	13C6-PFDA	B7L0171-MS1 Matrix Spike 0.25217	9.03e3	61.7	NO
8	8	13C7-PFUDa	B7L0171-MS1 Matrix Spike 0.25217	9.53e3	48.7	YES

Name: 171231M1_8, Date: 31-Dec-2017, Time: 14:59:39, ID: B7L0171-MSD1 Matrix Spike Dup 0.2644, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0171-MSD1 Matrix Spike Dup 0.2644	8.75e3	60.6	NO
2	2	13C5-PFHxA	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.12e4	67.8	NO
3	3	13C3-PFHxS	B7L0171-MSD1 Matrix Spike Dup 0.2644	3.18e3	72.6	NO
4	4	13C8-PFOA	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.17e4	70.4	NO
5	5	13C9-PFNA	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.20e4	69.1	NO
6	6	13C4-PFOS	B7L0171-MSD1 Matrix Spike Dup 0.2644	2.96e3	65.1	NO
7	7	13C6-PFDA	B7L0171-MSD1 Matrix Spike Dup 0.2644	9.82e3	67.1	NO
8	8	13C7-PFUDa	B7L0171-MSD1 Matrix Spike Dup 0.2644	1.06e4	53.9	NO

Name: 171231M1_9, Date: 31-Dec-2017, Time: 15:10:50, ID: 1701929-01 SB01 0.26085, Description: SB01

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-01 SB01 0.26085	7.97e3	55.2	NO
2	2	13C5-PFHxA	1701929-01 SB01 0.26085	9.96e3	60.1	NO
3	3	13C3-PFHxS	1701929-01 SB01 0.26085	2.28e3	52.1	NO
4	4	13C8-PFOA	1701929-01 SB01 0.26085	9.72e3	58.4	NO
5	5	13C9-PFNA	1701929-01 SB01 0.26085	7.93e3	45.8	YES
6	6	13C4-PFOS	1701929-01 SB01 0.26085	2.42e3	53.3	NO
7	7	13C6-PFDA	1701929-01 SB01 0.26085	8.67e3	59.2	NO
8	8	13C7-PFUDa	1701929-01 SB01 0.26085	9.30e3	47.5	YES

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Name: 171231M1_10, Date: 31-Dec-2017, Time: 15:22:01, ID: 1701929-02 EB01 0.26531, Description: EB01

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-02 EB01 0.26531	7.52e3	52.1	NO
2	2 13C5-PFHxA	1701929-02 EB01 0.26531	9.50e3	57.3	NO
3	3 13C3-PFHxS	1701929-02 EB01 0.26531	2.56e3	58.6	NO
4	4 13C8-PFOA	1701929-02 EB01 0.26531	8.92e3	53.6	NO
5	5 13C9-PFNA	1701929-02 EB01 0.26531	9.29e3	53.7	NO
6	6 13C4-PFOS	1701929-02 EB01 0.26531	2.39e3	52.5	NO
7	7 13C6-PFDA	1701929-02 EB01 0.26531	8.74e3	59.7	NO
8	8 13C7-PFUDa	1701929-02 EB01 0.26531	9.19e3	47.0	YES

Name: 171231M1_11, Date: 31-Dec-2017, Time: 15:33:11, ID: 1701929-03 UXOSite11-GW-GMMW04-20171211 0.2532, Description: UXOSite11-GW-GMMW04-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-03 UXOSite11-GW-GMMW04-...	8.58e3	59.4	NO
2	2 13C5-PFHxA	1701929-03 UXOSite11-GW-GMMW04-...	1.09e4	65.5	NO
3	3 13C3-PFHxS	1701929-03 UXOSite11-GW-GMMW04-...	2.82e3	64.4	NO
4	4 13C8-PFOA	1701929-03 UXOSite11-GW-GMMW04-...	1.06e4	64.0	NO
5	5 13C9-PFNA	1701929-03 UXOSite11-GW-GMMW04-...	9.61e3	55.5	NO
6	6 13C4-PFOS	1701929-03 UXOSite11-GW-GMMW04-...	2.85e3	62.8	NO
7	7 13C6-PFDA	1701929-03 UXOSite11-GW-GMMW04-...	8.32e3	56.8	NO
8	8 13C7-PFUDa	1701929-03 UXOSite11-GW-GMMW04-...	9.20e3	47.0	YES

Name: 171231M1_12, Date: 31-Dec-2017, Time: 15:44:22, ID: 1701929-04 UXOSite11-GW-GMMW08-20171211 0.25344, Description: UXOSite11-GW-GMMW08-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-04 UXOSite11-GW-GMMW08-...	8.10e3	56.1	NO
2	2 13C5-PFHxA	1701929-04 UXOSite11-GW-GMMW08-...	9.39e3	56.6	NO
3	3 13C3-PFHxS	1701929-04 UXOSite11-GW-GMMW08-...	2.52e3	57.6	NO
4	4 13C8-PFOA	1701929-04 UXOSite11-GW-GMMW08-...	8.82e3	53.0	NO
5	5 13C9-PFNA	1701929-04 UXOSite11-GW-GMMW08-...	1.09e4	62.7	NO
6	6 13C4-PFOS	1701929-04 UXOSite11-GW-GMMW08-...	2.77e3	61.1	NO
7	7 13C6-PFDA	1701929-04 UXOSite11-GW-GMMW08-...	8.37e3	57.2	NO
8	8 13C7-PFUDa	1701929-04 UXOSite11-GW-GMMW08-...	1.21e4	61.8	NO

Name: 171231M1_13, Date: 31-Dec-2017, Time: 15:55:33, ID: 1701929-05 UXOSite11-GW-GMMW10-20171211 0.26122, Description: UXOSite11-GW-GMMW10-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-05 UXOSite11-GW-GMMW10-...	8.70e3	60.3	NO
2	2 13C5-PFHxA	1701929-05 UXOSite11-GW-GMMW10-...	1.10e4	66.4	NO
3	3 13C3-PFHxS	1701929-05 UXOSite11-GW-GMMW10-...	2.88e3	65.8	NO
4	4 13C8-PFOA	1701929-05 UXOSite11-GW-GMMW10-...	1.05e4	63.1	NO
5	5 13C9-PFNA	1701929-05 UXOSite11-GW-GMMW10-...	1.06e4	61.2	NO
6	6 13C4-PFOS	1701929-05 UXOSite11-GW-GMMW10-...	3.29e3	72.4	NO
7	7 13C6-PFDA	1701929-05 UXOSite11-GW-GMMW10-...	8.48e3	57.9	NO
8	8 13C7-PFUDa	1701929-05 UXOSite11-GW-GMMW10-...	1.30e4	66.5	NO

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Name: 171231M1_14, Date: 31-Dec-2017, Time: 16:06:43, ID: 1701929-06 IRSite13-GW-BUAMW011-20171211 0.26365, Description: IRSite13-GW-BUAMW011-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-06 IRSite13-GW-BUAMW011-...	7.97e3	55.2	NO
2	2	13C5-PFHxA	1701929-06 IRSite13-GW-BUAMW011-...	8.58e3	51.7	NO
3	3	13C3-PFHxS	1701929-06 IRSite13-GW-BUAMW011-...	2.27e3	52.0	NO
4	4	13C8-PFOA	1701929-06 IRSite13-GW-BUAMW011-...	8.52e3	51.2	NO
5	5	13C9-PFNA	1701929-06 IRSite13-GW-BUAMW011-...	8.12e3	46.9	YES
6	6	13C4-PFOS	1701929-06 IRSite13-GW-BUAMW011-...	2.54e3	56.0	NO
7	7	13C6-PFDA	1701929-06 IRSite13-GW-BUAMW011-...	9.64e3	65.8	NO
8	8	13C7-PFUDa	1701929-06 IRSite13-GW-BUAMW011-...	9.77e3	49.9	YES

Name: 171231M1_15, Date: 31-Dec-2017, Time: 16:17:54, ID: 1701929-07 IRSite13-GW-BUAMW015-20171211 0.27003, Description: IRSite13-GW-BUAMW015-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-07 IRSite13-GW-BUAMW015-...	7.18e3	49.7	YES
2	2	13C5-PFHxA	1701929-07 IRSite13-GW-BUAMW015-...	8.65e3	52.1	NO
3	3	13C3-PFHxS	1701929-07 IRSite13-GW-BUAMW015-...	2.21e3	50.5	NO
4	4	13C8-PFOA	1701929-07 IRSite13-GW-BUAMW015-...	7.61e3	45.7	YES
5	5	13C9-PFNA	1701929-07 IRSite13-GW-BUAMW015-...	7.91e3	45.7	YES
6	6	13C4-PFOS	1701929-07 IRSite13-GW-BUAMW015-...	2.48e3	54.6	NO
7	7	13C6-PFDA	1701929-07 IRSite13-GW-BUAMW015-...	8.25e3	56.3	NO
8	8	13C7-PFUDa	1701929-07 IRSite13-GW-BUAMW015-...	9.97e3	50.9	NO

Name: 171231M1_16, Date: 31-Dec-2017, Time: 16:29:05, ID: 1701929-08 IRSite13-GW-BUAMW012-20171211 0.27094, Description: IRSite13-GW-BUAMW012-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-08 IRSite13-GW-BUAMW012-...	8.78e3	60.8	NO
2	2	13C5-PFHxA	1701929-08 IRSite13-GW-BUAMW012-...	1.02e4	61.2	NO
3	3	13C3-PFHxS	1701929-08 IRSite13-GW-BUAMW012-...	2.65e3	60.6	NO
4	4	13C8-PFOA	1701929-08 IRSite13-GW-BUAMW012-...	7.41e3	44.5	YES
5	5	13C9-PFNA	1701929-08 IRSite13-GW-BUAMW012-...	9.17e3	52.9	NO
6	6	13C4-PFOS	1701929-08 IRSite13-GW-BUAMW012-...	2.67e3	58.8	NO
7	7	13C6-PFDA	1701929-08 IRSite13-GW-BUAMW012-...	7.08e3	48.4	YES
8	8	13C7-PFUDa	1701929-08 IRSite13-GW-BUAMW012-...	8.33e3	42.5	YES

Name: 171231M1_17, Date: 31-Dec-2017, Time: 16:40:15, ID: IPA, Description: IPA

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

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Name: 171231M1_18, Date: 31-Dec-2017, Time: 16:51:26, ID: ST171231M1-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171231M1-2 PFC CS3 17L2611	1.45e4	100.7	NO
2	2 13C5-PFHxA	ST171231M1-2 PFC CS3 17L2611	1.81e4	108.9	NO
3	3 13C3-PFHxS	ST171231M1-2 PFC CS3 17L2611	4.30e3	98.2	NO
4	4 13C8-PFOA	ST171231M1-2 PFC CS3 17L2611	1.45e4	87.1	NO
5	5 13C9-PFNA	ST171231M1-2 PFC CS3 17L2611	1.68e4	97.1	NO
6	6 13C4-PFOS	ST171231M1-2 PFC CS3 17L2611	3.65e3	80.3	NO
7	7 13C6-PFDA	ST171231M1-2 PFC CS3 17L2611	1.17e4	79.9	NO
8	8 13C7-PFUDa	ST171231M1-2 PFC CS3 17L2611	1.79e4	91.2	NO

Name: 171231M1_19, Date: 31-Dec-2017, Time: 17:02:37, ID: IPA, Description: IPA

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

Name: 171231M1_20, Date: 31-Dec-2017, Time: 17:13:51, ID: 1701929-10 DUP01 27034, Description: DUP01

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-10 DUP01 27034	7.57e3	52.4	NO
2	2 13C5-PFHxA	1701929-10 DUP01 27034	9.78e3	58.9	NO
3	3 13C3-PFHxS	1701929-10 DUP01 27034	2.25e3	51.5	NO
4	4 13C8-PFOA	1701929-10 DUP01 27034	8.53e3	51.2	NO
5	5 13C9-PFNA	1701929-10 DUP01 27034	7.73e3	44.6	YES
6	6 13C4-PFOS	1701929-10 DUP01 27034	2.33e3	51.4	NO
7	7 13C6-PFDA	1701929-10 DUP01 27034	7.85e3	53.6	NO
8	8 13C7-PFUDa	1701929-10 DUP01 27034	9.10e3	46.5	YES

Name: 171231M1_21, Date: 31-Dec-2017, Time: 17:24:59, ID: 1701929-11 IRSite13-GW-BUAMW010-20171211 0.26473, Description: IRSite13-GW-BUAMW010-20171211

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701929-11 IRSite13-GW-BUAMW010-...	8.12e3	56.3	NO
2	2 13C5-PFHxA	1701929-11 IRSite13-GW-BUAMW010-...	9.56e3	57.6	NO
3	3 13C3-PFHxS	1701929-11 IRSite13-GW-BUAMW010-...	2.89e3	66.1	NO
4	4 13C8-PFOA	1701929-11 IRSite13-GW-BUAMW010-...	8.55e3	51.4	NO
5	5 13C9-PFNA	1701929-11 IRSite13-GW-BUAMW010-...	8.84e3	51.0	NO
6	6 13C4-PFOS	1701929-11 IRSite13-GW-BUAMW010-...	2.47e3	54.5	NO
7	7 13C6-PFDA	1701929-11 IRSite13-GW-BUAMW010-...	7.72e3	52.8	NO
8	8 13C7-PFUDa	1701929-11 IRSite13-GW-BUAMW010-...	9.75e3	49.8	YES

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Name: 171231M1_22, Date: 31-Dec-2017, Time: 17:36:09, ID: 1701929-12 IRSite13-GW-BUAMW002-20171211 0.2628, Description: IRSite13-GW-BUAMW002-20171211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701929-12 IRSite13-GW-BUAMW002-...	7.34e3	50.8	NO
2	2	13C5-PFHxA	1701929-12 IRSite13-GW-BUAMW002-...	8.98e3	54.2	NO
3	3	13C3-PFHxS	1701929-12 IRSite13-GW-BUAMW002-...	2.47e3	56.6	NO
4	4	13C8-PFOA	1701929-12 IRSite13-GW-BUAMW002-...	9.85e3	59.2	NO
5	5	13C9-PFNA	1701929-12 IRSite13-GW-BUAMW002-...	8.61e3	49.7	YES
6	6	13C4-PFOS	1701929-12 IRSite13-GW-BUAMW002-...	2.23e3	49.0	YES
7	7	13C6-PFDA	1701929-12 IRSite13-GW-BUAMW002-...	7.60e3	51.9	NO
8	8	13C7-PFUDa	1701929-12 IRSite13-GW-BUAMW002-...	8.98e3	45.9	YES

Name: 171231M1_23, Date: 31-Dec-2017, Time: 17:47:20, ID: 1701943-01 WI-A06-6-S-04-1217 0.125, Description: WI-A06-6-S-04-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-01 WI-A06-6-S-04-1217 0.125	7.57e3	52.5	NO
2	2	13C5-PFHxA	1701943-01 WI-A06-6-S-04-1217 0.125	9.76e3	58.8	NO
3	3	13C3-PFHxS	1701943-01 WI-A06-6-S-04-1217 0.125	2.42e3	55.4	NO
4	4	13C8-PFOA	1701943-01 WI-A06-6-S-04-1217 0.125	9.02e3	54.2	NO
5	5	13C9-PFNA	1701943-01 WI-A06-6-S-04-1217 0.125	9.00e3	52.0	NO
6	6	13C4-PFOS	1701943-01 WI-A06-6-S-04-1217 0.125	2.50e3	55.1	NO
7	7	13C6-PFDA	1701943-01 WI-A06-6-S-04-1217 0.125	7.92e3	54.1	NO
8	8	13C7-PFUDa	1701943-01 WI-A06-6-S-04-1217 0.125	1.15e4	58.9	NO

Name: 171231M1_24, Date: 31-Dec-2017, Time: 17:58:31, ID: 1701943-03 WI-A06-6-S-19-1217 0.12062, Description: WI-A06-6-S-19-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.04e3	48.8	YES
2	2	13C5-PFHxA	1701943-03 WI-A06-6-S-19-1217 0.120...	8.65e3	52.1	NO
3	3	13C3-PFHxS	1701943-03 WI-A06-6-S-19-1217 0.120...	2.14e3	48.9	YES
4	4	13C8-PFOA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.93e3	47.7	YES
5	5	13C9-PFNA	1701943-03 WI-A06-6-S-19-1217 0.120...	8.80e3	50.8	NO
6	6	13C4-PFOS	1701943-03 WI-A06-6-S-19-1217 0.120...	2.28e3	50.1	NO
7	7	13C6-PFDA	1701943-03 WI-A06-6-S-19-1217 0.120...	7.39e3	50.5	NO
8	8	13C7-PFUDa	1701943-03 WI-A06-6-S-19-1217 0.120...	1.01e4	51.4	NO

Name: 171231M1_25, Date: 31-Dec-2017, Time: 18:09:41, ID: 1701943-05 WI-A06-6-S-19P-1217 0.11997, Description: WI-A06-6-S-19P-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-05 WI-A06-6-S-19P-1217 0.11...	7.71e3	53.4	NO
2	2	13C5-PFHxA	1701943-05 WI-A06-6-S-19P-1217 0.11...	9.33e3	56.3	NO
3	3	13C3-PFHxS	1701943-05 WI-A06-6-S-19P-1217 0.11...	2.56e3	58.5	NO
4	4	13C8-PFOA	1701943-05 WI-A06-6-S-19P-1217 0.11...	8.38e3	50.3	NO
5	5	13C9-PFNA	1701943-05 WI-A06-6-S-19P-1217 0.11...	7.20e3	41.6	YES
6	6	13C4-PFOS	1701943-05 WI-A06-6-S-19P-1217 0.11...	2.32e3	51.1	NO
7	7	13C6-PFDA	1701943-05 WI-A06-6-S-19P-1217 0.11...	8.92e3	60.9	NO
8	8	13C7-PFUDa	1701943-05 WI-A06-6-S-19P-1217 0.11...	1.02e4	52.2	NO

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Name: 171231M1_26, Date: 31-Dec-2017, Time: 18:20:52, ID: 1701943-07 WI-A06-6-S-31-1217 0.12406,
Description: WI-A06-6-S-31-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-07 WI-A06-6-S-31-1217 0.124...	8.08e3	55.9	NO
2	2	13C5-PFHxA	1701943-07 WI-A06-6-S-31-1217 0.124...	9.71e3	58.6	NO
3	3	13C3-PFHxS	1701943-07 WI-A06-6-S-31-1217 0.124...	2.42e3	55.3	NO
4	4	13C8-PFOA	1701943-07 WI-A06-6-S-31-1217 0.124...	9.37e3	56.3	NO
5	5	13C9-PFNA	1701943-07 WI-A06-6-S-31-1217 0.124...	1.05e4	60.6	NO
6	6	13C4-PFOS	1701943-07 WI-A06-6-S-31-1217 0.124...	2.57e3	56.5	NO
7	7	13C6-PFDA	1701943-07 WI-A06-6-S-31-1217 0.124...	8.39e3	57.3	NO
8	8	13C7-PFUDa	1701943-07 WI-A06-6-S-31-1217 0.124...	1.12e4	57.4	NO

Name: 171231M1_27, Date: 31-Dec-2017, Time: 18:32:03, ID: 1701943-09 WI-A06-EB07-121117 0.12057,
Description: WI-A06-EB07-121117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-09 WI-A06-EB07-121117 0.12...	7.85e3	54.3	NO
2	2	13C5-PFHxA	1701943-09 WI-A06-EB07-121117 0.12...	9.46e3	57.0	NO
3	3	13C3-PFHxS	1701943-09 WI-A06-EB07-121117 0.12...	2.64e3	60.4	NO
4	4	13C8-PFOA	1701943-09 WI-A06-EB07-121117 0.12...	9.82e3	59.0	NO
5	5	13C9-PFNA	1701943-09 WI-A06-EB07-121117 0.12...	9.25e3	53.4	NO
6	6	13C4-PFOS	1701943-09 WI-A06-EB07-121117 0.12...	2.61e3	57.5	NO
7	7	13C6-PFDA	1701943-09 WI-A06-EB07-121117 0.12...	8.22e3	56.2	NO
8	8	13C7-PFUDa	1701943-09 WI-A06-EB07-121117 0.12...	9.44e3	48.2	YES

Name: 171231M1_28, Date: 31-Dec-2017, Time: 18:43:14, ID: 1701943-11 WI-A06-6-S-08-1217 0.12355,
Description: WI-A06-6-S-08-1217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701943-11 WI-A06-6-S-08-1217 0.123...	7.20e3	49.9	YES
2	2	13C5-PFHxA	1701943-11 WI-A06-6-S-08-1217 0.123...	7.99e3	48.1	YES
3	3	13C3-PFHxS	1701943-11 WI-A06-6-S-08-1217 0.123...	2.58e3	59.0	NO
4	4	13C8-PFOA	1701943-11 WI-A06-6-S-08-1217 0.123...	8.34e3	50.1	NO
5	5	13C9-PFNA	1701943-11 WI-A06-6-S-08-1217 0.123...	1.05e4	60.4	NO
6	6	13C4-PFOS	1701943-11 WI-A06-6-S-08-1217 0.123...	2.35e3	51.7	NO
7	7	13C6-PFDA	1701943-11 WI-A06-6-S-08-1217 0.123...	7.61e3	52.0	NO
8	8	13C7-PFUDa	1701943-11 WI-A06-6-S-08-1217 0.123...	8.49e3	43.4	YES

Name: 171231M1_29, Date: 31-Dec-2017, Time: 18:54:24, ID: B7L0102-MSD1 Matrix Spike Dup 0.11403,
Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0102-MSD1 Matrix Spike Dup 0.114...	7.33e3	50.8	NO
2	2	13C5-PFHxA	B7L0102-MSD1 Matrix Spike Dup 0.114...	8.52e3	51.4	NO
3	3	13C3-PFHxS	B7L0102-MSD1 Matrix Spike Dup 0.114...	2.28e3	52.1	NO
4	4	13C8-PFOA	B7L0102-MSD1 Matrix Spike Dup 0.114...	8.70e3	52.3	NO
5	5	13C9-PFNA	B7L0102-MSD1 Matrix Spike Dup 0.114...	9.06e3	52.3	NO
6	6	13C4-PFOS	B7L0102-MSD1 Matrix Spike Dup 0.114...	2.34e3	51.5	NO
7	7	13C6-PFDA	B7L0102-MSD1 Matrix Spike Dup 0.114...	6.71e3	45.8	YES
8	8	13C7-PFUDa	B7L0102-MSD1 Matrix Spike Dup 0.114...	9.98e3	51.0	NO

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Name: 171231M1_30, Date: 31-Dec-2017, Time: 19:05:35, ID: 1701854-05 REEPDW026FRB 0.11666, Description: REEPDW026FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701854-05 REEPDW026FRB 0.11666	7.40e3	51.3	NO
2	2	13C5-PFHxA	1701854-05 REEPDW026FRB 0.11666	9.06e3	54.6	NO
3	3	13C3-PFHxS	1701854-05 REEPDW026FRB 0.11666	2.84e3	64.8	NO
4	4	13C8-PFOA	1701854-05 REEPDW026FRB 0.11666	9.15e3	54.9	NO
5	5	13C9-PFNA	1701854-05 REEPDW026FRB 0.11666	9.58e3	55.3	NO
6	6	13C4-PFOS	1701854-05 REEPDW026FRB 0.11666	2.29e3	50.4	NO
7	7	13C6-PFDA	1701854-05 REEPDW026FRB 0.11666	9.96e3	68.0	NO
8	8	13C7-PFUDa	1701854-05 REEPDW026FRB 0.11666	9.34e3	47.7	YES

Name: 171231M1_31, Date: 31-Dec-2017, Time: 19:16:46, ID: 1701938-02 REEPDW503 0.11997, Description: REEPDW503

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701938-02 REEPDW503 0.11997	7.17e3	49.6	YES
2	2	13C5-PFHxA	1701938-02 REEPDW503 0.11997	9.21e3	55.5	NO
3	3	13C3-PFHxS	1701938-02 REEPDW503 0.11997	2.52e3	57.6	NO
4	4	13C8-PFOA	1701938-02 REEPDW503 0.11997	8.81e3	52.9	NO
5	5	13C9-PFNA	1701938-02 REEPDW503 0.11997	8.36e3	48.3	YES
6	6	13C4-PFOS	1701938-02 REEPDW503 0.11997	2.58e3	56.7	NO
7	7	13C6-PFDA	1701938-02 REEPDW503 0.11997	8.39e3	57.3	NO
8	8	13C7-PFUDa	1701938-02 REEPDW503 0.11997	1.09e4	55.8	NO

Name: 171231M1_32, Date: 31-Dec-2017, Time: 19:27:56, ID: 1701938-04 REEPDW042 0.11808, Description: REEPDW042

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701938-04 REEPDW042 0.11808	8.29e3	57.4	NO
2	2	13C5-PFHxA	1701938-04 REEPDW042 0.11808	1.07e4	64.6	NO
3	3	13C3-PFHxS	1701938-04 REEPDW042 0.11808	2.85e3	65.2	NO
4	4	13C8-PFOA	1701938-04 REEPDW042 0.11808	9.61e3	57.7	NO
5	5	13C9-PFNA	1701938-04 REEPDW042 0.11808	8.25e3	47.6	YES
6	6	13C4-PFOS	1701938-04 REEPDW042 0.11808	2.61e3	57.4	NO
7	7	13C6-PFDA	1701938-04 REEPDW042 0.11808	7.52e3	51.3	NO
8	8	13C7-PFUDa	1701938-04 REEPDW042 0.11808	1.28e4	65.6	NO

Name: 171231M1_33, Date: 31-Dec-2017, Time: 19:39:07, ID: IPA, Description: IPA

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

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Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171231M1-3 PFC CS3 17L2611	1.47e4	102.1	NO
2	2 13C5-PFHxA	ST171231M1-3 PFC CS3 17L2611	1.75e4	105.3	NO
3	3 13C3-PFHxS	ST171231M1-3 PFC CS3 17L2611	4.54e3	103.6	NO
4	4 13C8-PFOA	ST171231M1-3 PFC CS3 17L2611	1.72e4	103.4	NO
5	5 13C9-PFNA	ST171231M1-3 PFC CS3 17L2611	1.61e4	93.1	NO
6	6 13C4-PFOS	ST171231M1-3 PFC CS3 17L2611	4.82e3	106.1	NO
7	7 13C6-PFDA	ST171231M1-3 PFC CS3 17L2611	1.48e4	101.3	NO
8	8 13C7-PFUDa	ST171231M1-3 PFC CS3 17L2611	1.73e4	88.2	NO

Dataset: U:\Q4.PRO\results\171231M1\171231M1-3.qld

Last Altered: Tuesday, January 02, 2018 17:47:24 Pacific Standard Time

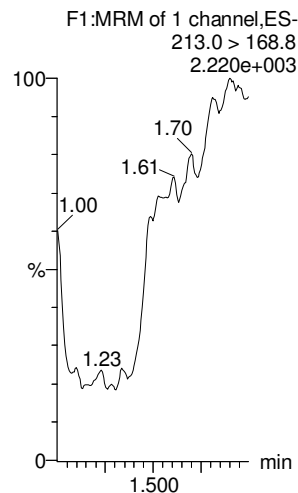
Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

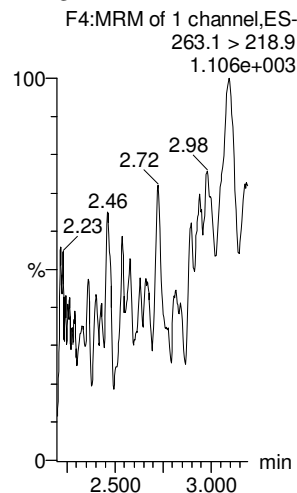
Calibration: 02 Jan 2018 17:47:24

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA

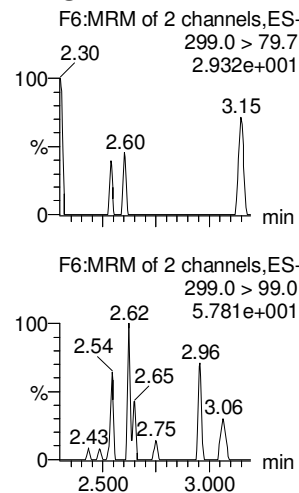
PFBA



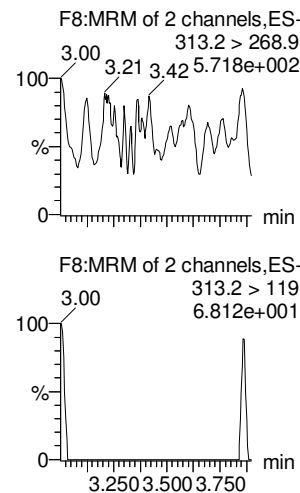
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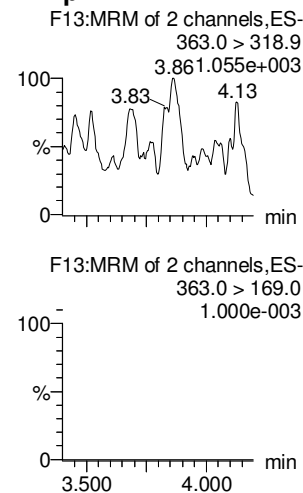
PFBS



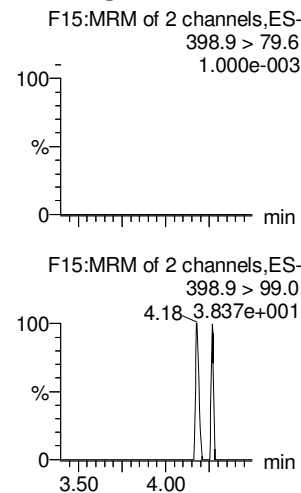
PFHxA



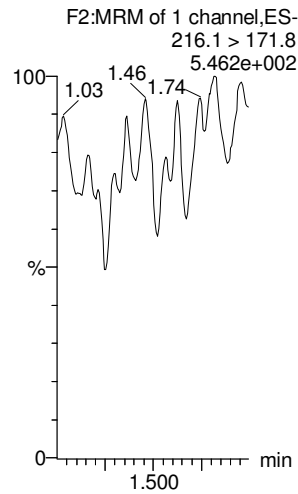
PFHpA



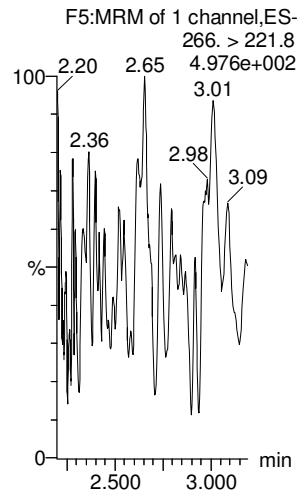
L-PFHxS



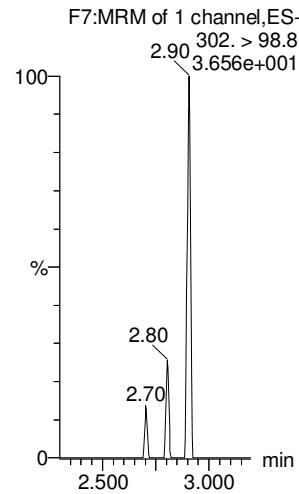
13C3-PFBA



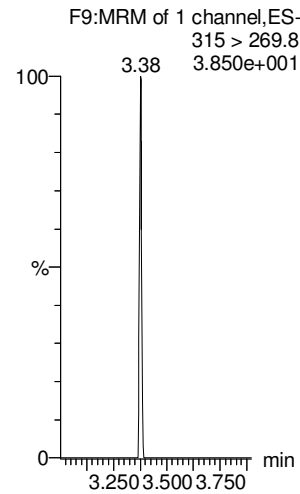
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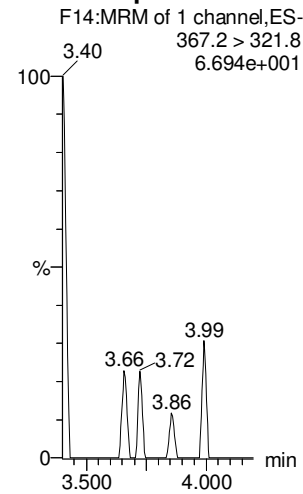
13C3-PFBS



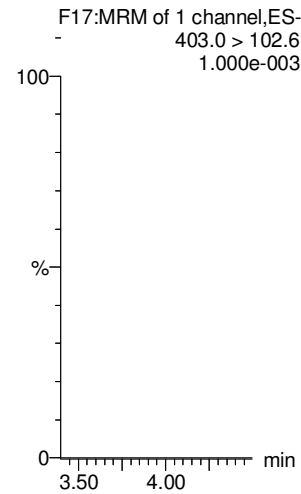
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

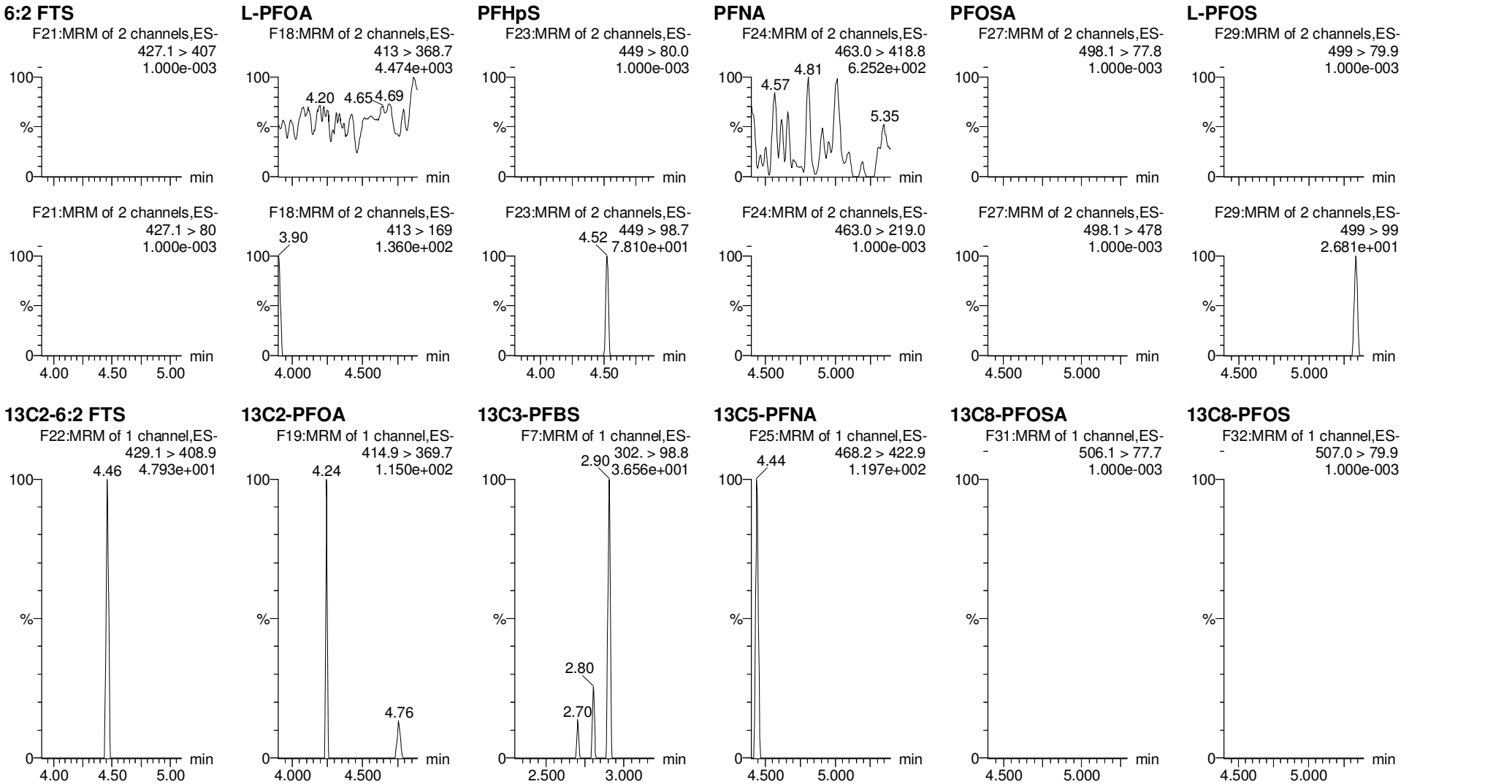


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-3.qld

Last Altered: Tuesday, January 02, 2018 17:47:24 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA

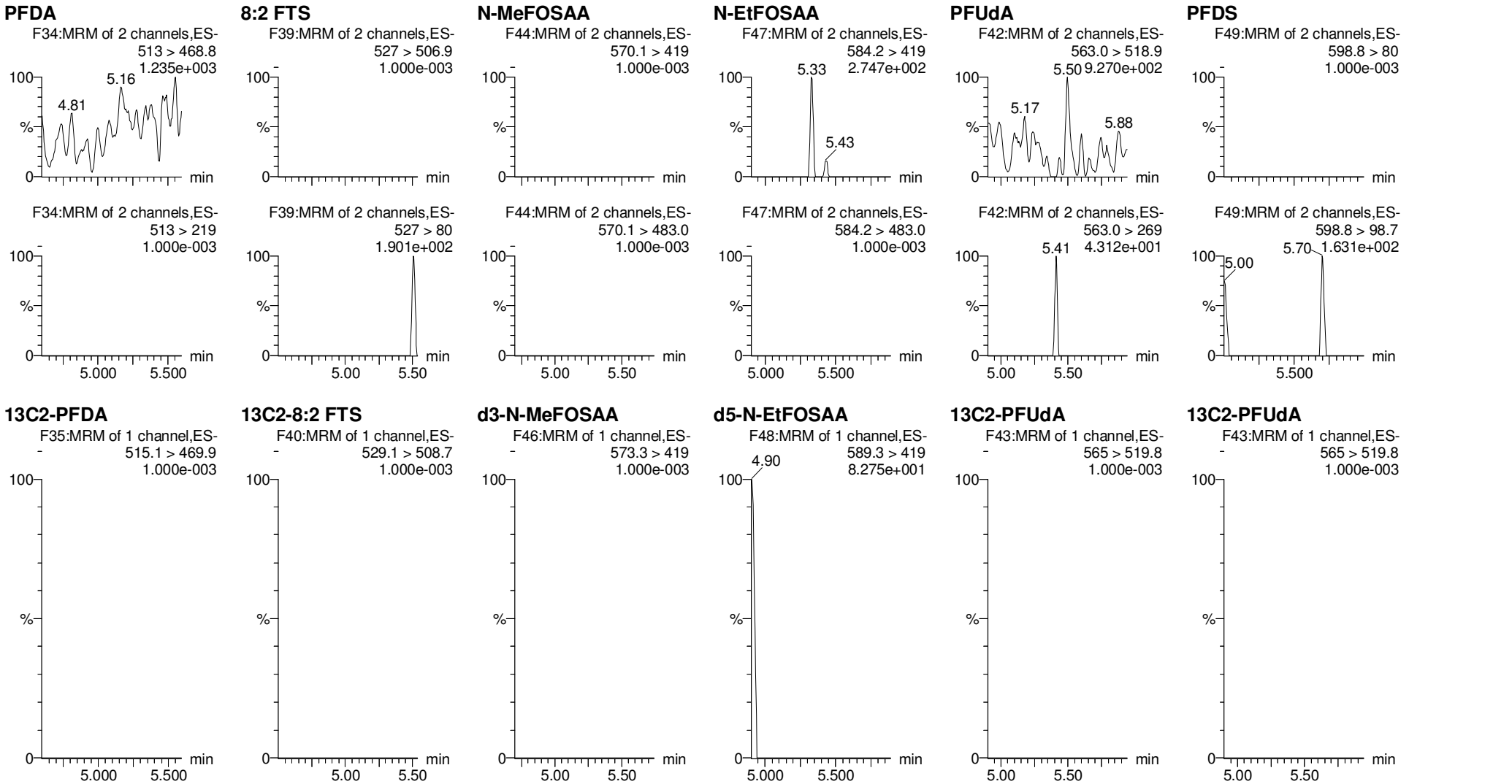


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-3.qld

Last Altered: Tuesday, January 02, 2018 17:47:24 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA

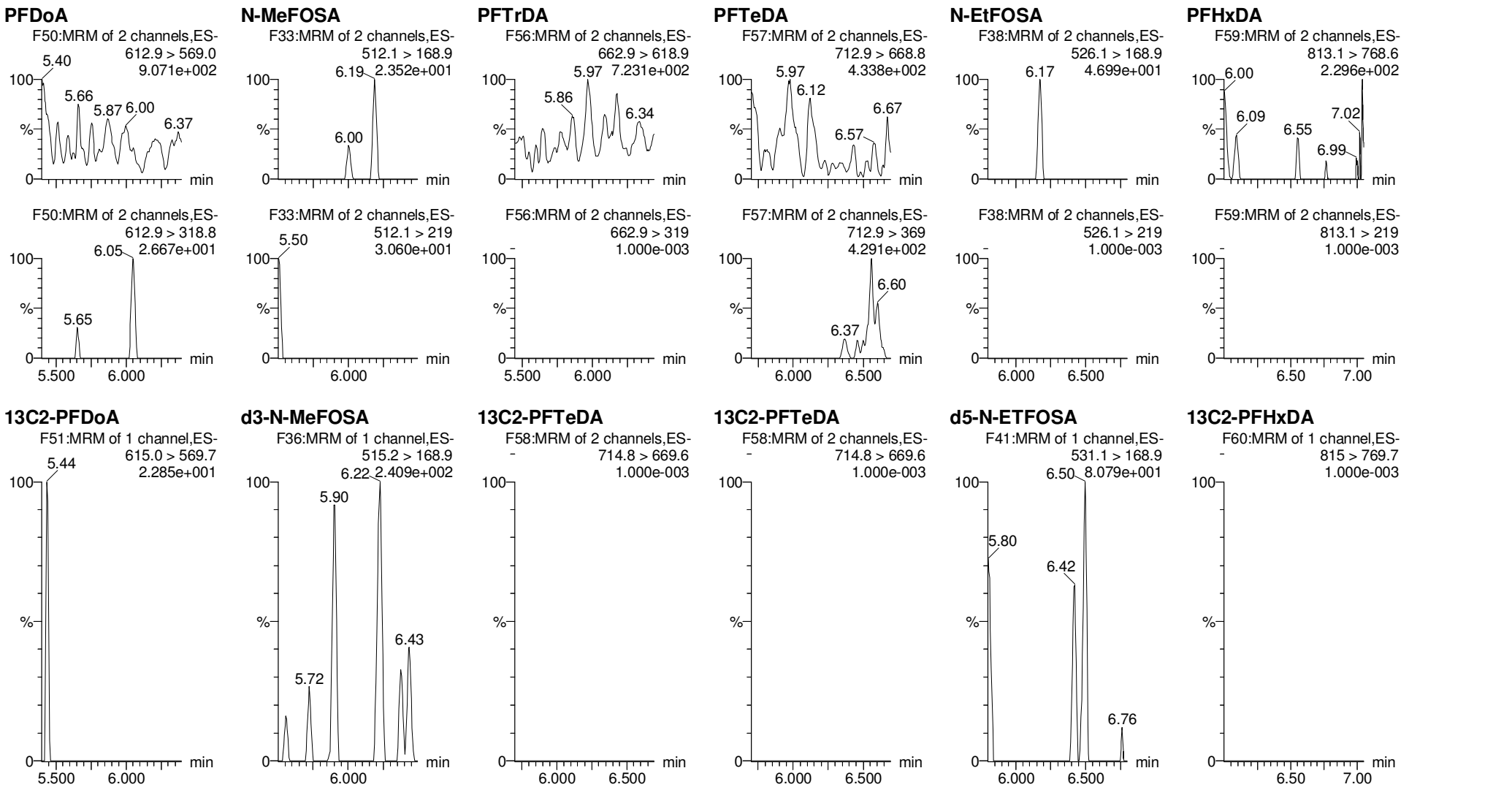


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-3.qld

Last Altered: Tuesday, January 02, 2018 17:47:24 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA

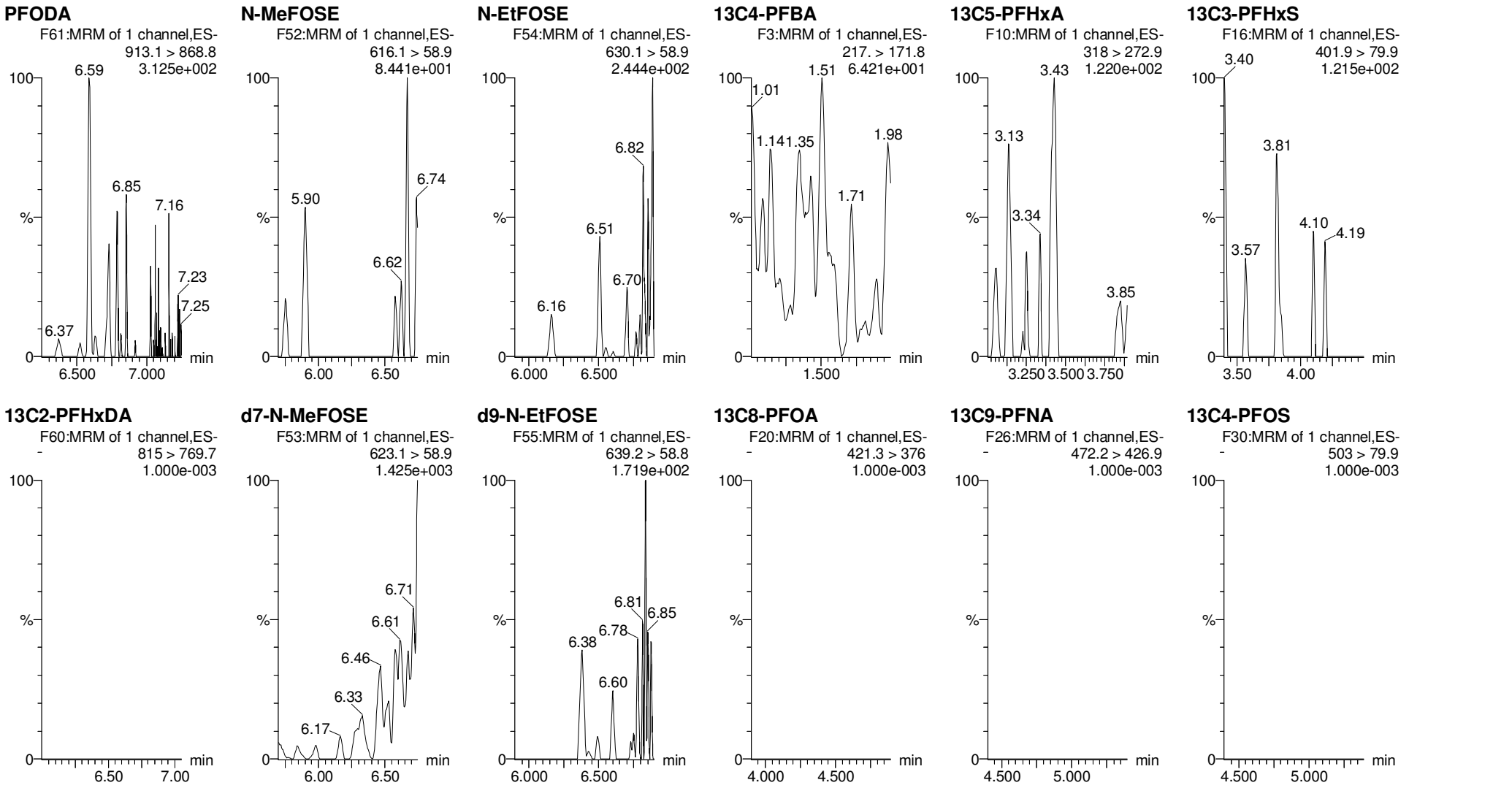


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Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

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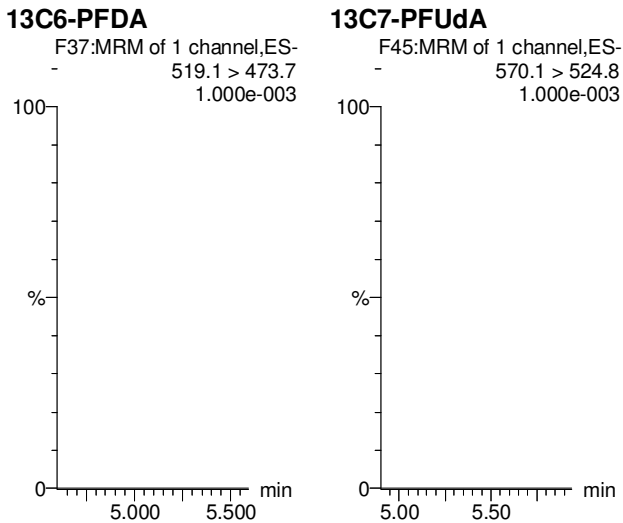
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-3.qld

Last Altered: Tuesday, January 02, 2018 17:47:24 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:48:09 Pacific Standard Time

Name: 171231M1_3, Date: 31-Dec-2017, Time: 14:03:45, ID: IPA, Description: IPA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-2.qld

 $\Delta > 130\%$

Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

P1/2/18

✓JA.
01/03/2018

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.11e3	1.11e4	1.0000		1.47	1.41	1.25	0.927	92.7
2	2 PFPeA	263.1 > 218.9	1.10e3	1.25e4	1.0000		2.35	2.37	1.10	0.917	91.7
3	3 PFBS	299.0 > 79.7	2.62e2	1.76e3	1.0000		2.70	2.64	1.86	0.918	91.8
4	4 PFHxA	313.2 > 268.9	1.51e3	4.29e3	1.0000		3.12	3.13	1.76	0.930	93.0
5	5 PFHpA	363.0 > 318.9	1.32e3	1.15e4	1.0000		3.75	3.75	1.43	0.981	98.1
6	6 L-PFHxS	398.9 > 79.6	2.26e2	1.46e3	1.0000		3.85	3.89	1.93	0.989	98.9
7	8 6:2 FTS	427.1 > 407	3.21e2	1.62e4	1.0000		4.20	4.21	0.247	0.833	83.3
8	9 L-PFOA	413 > 368.7	1.75e3	1.62e4	1.0000		4.25	4.26	1.35	0.926	92.6
9	11 PFHpS	449 > 80.0	2.80e2	1.62e4	1.0000		4.35	4.37	0.215	0.824	82.4
10	12 PFNA	463.0 > 418.8	1.45e3	1.31e4	1.0000		4.70	4.69	1.39	1.086	108.6
11	13 PFOSA	498.1 > 77.8	3.31e2	3.31e3	1.0000		4.81	4.76	1.25	1.015	101.5
12	14 L-PFOS	499 > 79.9	3.23e2	4.00e3	1.0000		4.75	4.77	1.01	0.866	86.6
13	16 PFDA	513 > 468.8	1.19e3	1.30e4	1.0000		5.05	5.06	1.14	0.859	85.9
14	17 8:2 FTS	527 > 506.9	4.30e2	1.30e4	1.0000		5.02	5.03	0.413	1.205	120.5
15	18 N-MeFOSAA	570.1 > 419	7.17e2	6.11e3	1.0000		5.20	5.21	1.47	0.973	97.3
16	19 N-EtFOSAA	584.2 > 419	6.34e2	5.68e3	1.0000		5.42	5.36	1.40	1.098	109.8
17	20 PFUdA	563.0 > 518.9	1.46e3	1.64e4	1.0000		5.35	5.38	1.11	0.890	89.0
18	21 PFDS	598.8 > 80	4.48e2	1.64e4	1.0000		5.50	5.42	0.342	1.121	112.1
19	22 PFDoA	612.9 > 569.0	1.31e3	1.19e4	1.0000		5.70	5.65	1.37	0.947	94.7
20	23 N-MeFOSA	512.1 > 168.9	6.33e2	1.81e4	1.0000		5.77	5.81	5.24	4.739	94.8
21	24 PFTrDA	662.9 > 618.9	1.85e3	1.19e4	1.0000		5.95	5.90	1.94	1.368	136.8
22	25 PFTeDA	712.9 > 668.8	8.53e2	3.39e3	1.0000		6.16	6.12	3.14	1.171	117.1
23	26 N-EtFOSA	526.1 > 168.9	7.88e2	2.68e4	1.0000		6.15	6.19	4.40	4.505	90.1
24	27 PFHxDA	813.1 > 768.6	5.49e2	3.70e3	1.0000		6.48	6.45	0.742	0.950	95.0
25	28 PFODA	913.1 > 868.8	7.54e2	3.70e3	1.0000		6.70	6.67	1.02	0.911	91.1
26	29 N-MeFOSE	616.1 > 58.9	6.97e2	2.10e4	1.0000		6.30	6.31	4.97	5.091	101.8
27	30 N-EtFOSE	630.1 > 58.9	7.34e2	2.29e4	1.0000		6.42	6.46	4.81	3.926	78.5
28	31 13C3-PFBA	216.1 > 171.8	1.11e4	1.44e4	1.0000	0.780	1.47	1.41	9.62	12.326	98.6
29	32 13C3-PFPeA	266. > 221.8	1.25e4	1.66e4	1.0000	0.771	2.44	2.37	9.41	12.198	97.6
30	33 13C3-PFBS	302. > 98.8	1.76e3	1.66e4	1.0000	0.103	2.70	2.64	1.33	12.895	103.2
31	34 13C2-PFHxA	315 > 269.8	4.29e3	1.66e4	1.0000	0.619	3.20	3.13	3.23	5.220	104.4

70-130

 Δ 136.8

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-2.qld

Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.15e4	1.66e4	1.0000	0.634	3.80	3.75	8.69	13.720	109.8
33	36 18O2-PFHxS	403.0 > 102.6	1.46e3	4.38e3	1.0000	0.320	3.95	3.89	4.17	13.040	104.3
34	37 13C2-6:2 FTS	429.1 > 408.9	3.95e3	1.66e4	1.0000	0.244	4.26	4.21	2.97	12.166	97.3
35	38 13C2-PFOA	414.9 > 369.7	1.62e4	1.66e4	1.0000	1.046	4.32	4.26	12.2	11.660	93.3
36	39 13C5-PFNA	468.2 > 422.9	1.31e4	1.73e4	1.0000	0.838	4.75	4.69	9.47	11.299	90.4
37	40 13C8-PFOSA	506.1 > 77.7	3.31e3	1.96e4	1.0000	0.162	4.81	4.75	2.11	13.004	104.0
38	41 13C8-PFOS	507.0 > 79.9	4.00e3	4.54e3	1.0000	0.863	4.83	4.77	11.0	12.766	102.1
39	42 13C2-PFDA	515.1 > 469.9	1.30e4	1.46e4	1.0000	0.828	5.11	5.06	11.1	13.415	107.3
40	43 13C2-8:2 FTS	529.1 > 508.7	2.10e3	1.66e4	1.0000	0.139	5.09	5.03	1.59	11.404	91.2
41	44 d3-N-MeFOSAA	573.3 > 419	6.11e3	1.96e4	1.0000	0.306	5.26	5.20	3.90	12.743	101.9
42	45 d5-N-EtFOSAA	589.3 > 419	5.68e3	1.96e4	1.0000	0.346	5.42	5.36	3.63	10.479	83.8
43	46 13C2-PFUdA	565 > 519.8	1.64e4	1.96e4	1.0000	0.842	5.43	5.38	10.5	12.430	99.4
44	47 13C2-PFDoA	615.0 > 569.7	1.19e4	1.96e4	1.0000	0.714	5.70	5.66	7.60	10.645	85.2
45	48 d3-N-MeFOSA	515.2 > 168.9	1.81e4	1.96e4	1.0000	0.078	5.80	5.83	11.6	148.599	99.1
46	49 13C2-PFTeDA	714.8 > 669.6	3.39e3	1.96e4	1.0000	0.236	6.16	6.12	2.17	9.164	73.3
47	50 d5-N-ETFOSA	531.1 > 168.9	2.68e4	1.96e4	1.0000	0.113	6.16	6.21	17.1	151.111	100.7
48	51 13C2-PFHxDA	815 > 769.7	3.70e3	1.96e4	1.0000	0.481	6.48	6.44	2.36	4.906	98.1
49	52 d7-N-MeFOSE	623.1 > 58.9	2.10e4	1.96e4	1.0000	0.090	6.30	6.31	13.4	149.562	99.7
50	53 d9-N-EtFOSE	639.2 > 58.8	2.29e4	1.96e4	1.0000	0.093	6.42	6.46	14.6	157.782	105.2
51	54 13C4-PFBA	217. > 171.8	1.44e4	1.44e4	1.0000	1.000	1.47	1.41	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.66e4	1.66e4	1.0000	1.000	3.20	3.13	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.38e3	4.38e3	1.0000	1.000	3.95	3.89	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.66e4	1.66e4	1.0000	1.000	4.32	4.26	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.73e4	1.73e4	1.0000	1.000	4.75	4.69	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	4.54e3	4.54e3	1.0000	1.000	4.83	4.77	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.46e4	1.46e4	1.0000	1.000	5.11	5.06	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.96e4	1.96e4	1.0000	1.000	5.43	5.37	12.5	12.500	100.0

50-150

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:44:16 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
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2	171231M1_2	ST171231M1-1 PFC CS0 17L2608	31-Dec-17	13:52:35
3	171231M1_3	IPA	31-Dec-17	14:03:45
4	171231M1_4	B7L0171-BS1 OPR 0.25	31-Dec-17	14:14:56
5	171231M1_5	IPA	31-Dec-17	14:26:07
6	171231M1_6	B7L0171-BLK1 Method Blank 0.25	31-Dec-17	14:37:18
7	171231M1_7	B7L0171-MS1 Matrix Spike 0.25217	31-Dec-17	14:48:28
8	171231M1_8	B7L0171-MSD1 Matrix Spike Dup 0.2644	31-Dec-17	14:59:39
9	171231M1_9	1701929-01 SB01 0.26085	31-Dec-17	15:10:50
10	171231M1_10	1701929-02 EB01 0.26531	31-Dec-17	15:22:01
11	171231M1_11	1701929-03 UXOSite11-GW-GMMW04-20171...	31-Dec-17	15:33:11
12	171231M1_12	1701929-04 UXOSite11-GW-GMMW08-20171...	31-Dec-17	15:44:22
13	171231M1_13	1701929-05 UXOSite11-GW-GMMW10-20171...	31-Dec-17	15:55:33
14	171231M1_14	1701929-06 IRSite13-GW-BUAMW011-20171...	31-Dec-17	16:06:43
15	171231M1_15	1701929-07 IRSite13-GW-BUAMW015-20171...	31-Dec-17	16:17:54
16	171231M1_16	1701929-08 IRSite13-GW-BUAMW012-20171...	31-Dec-17	16:29:05
17	171231M1_17	IPA	31-Dec-17	16:40:15
18	171231M1_18	ST171231M1-2 PFC CS3 17L2611	31-Dec-17	16:51:26
19	171231M1_19	IPA	31-Dec-17	17:02:37
20	171231M1_20	1701929-10 DUP01 27034	31-Dec-17	17:13:51
21	171231M1_21	1701929-11 IRSite13-GW-BUAMW010-20171...	31-Dec-17	17:24:59
22	171231M1_22	1701929-12 IRSite13-GW-BUAMW002-20171...	31-Dec-17	17:36:09
23	171231M1_23	1701943-01 WI-A06-6-S-04-1217 0.125	31-Dec-17	17:47:20
24	171231M1_24	1701943-03 WI-A06-6-S-19-1217 0.12062	31-Dec-17	17:58:31
25	171231M1_25	1701943-05 WI-A06-6-S-19P-1217 0.11997	31-Dec-17	18:09:41
26	171231M1_26	1701943-07 WI-A06-6-S-31-1217 0.12406	31-Dec-17	18:20:52
27	171231M1_27	1701943-09 WI-A06-EB07-121117 0.12057	31-Dec-17	18:32:03
28	171231M1_28	1701943-11 WI-A06-6-S-08-1217 0.12355	31-Dec-17	18:43:14
29	171231M1_29	B7L0102-MSD1 Matrix Spike Dup 0.11403	31-Dec-17	18:54:24
30	171231M1_30	1701854-05 REEPDW026FRB 0.11666	31-Dec-17	19:05:35
31	171231M1_31	1701938-02 REEPDW503 0.11997	31-Dec-17	19:16:46

Dataset: Untitled

Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:44:16 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
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33	171231M1_33	IPA	31-Dec-17	19:39:07
34	171231M1_34	ST171231M1-3 PFC CS3 17L2611	31-Dec-17	19:50:18
35	171231M1_35	IPA	31-Dec-17	20:01:29

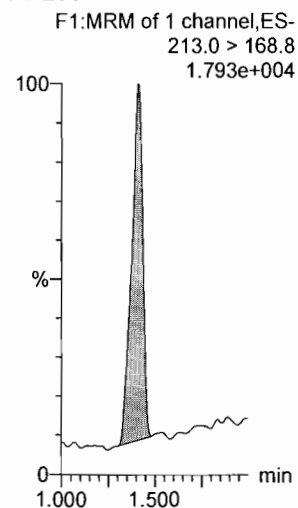
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Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

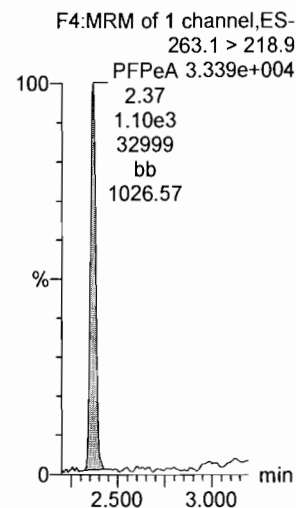
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

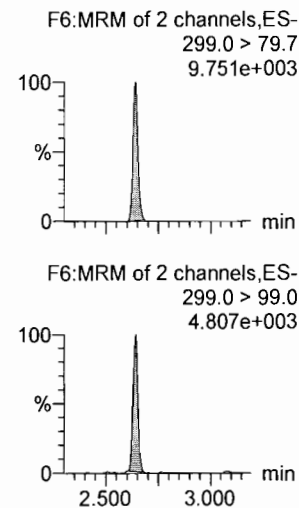
PFBA



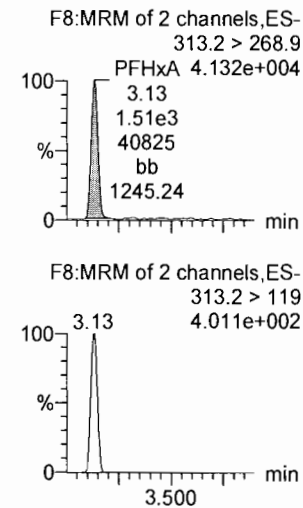
PFPeA



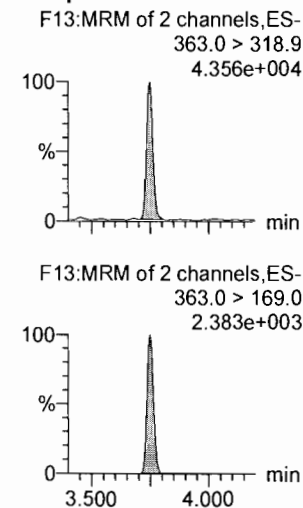
PFBS



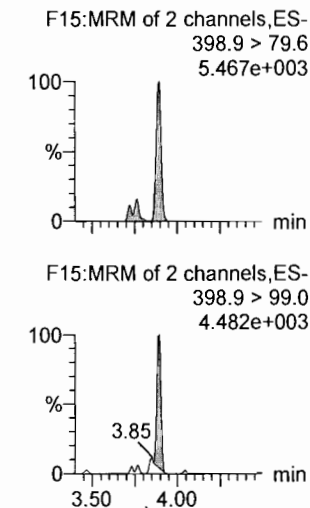
PFHxA



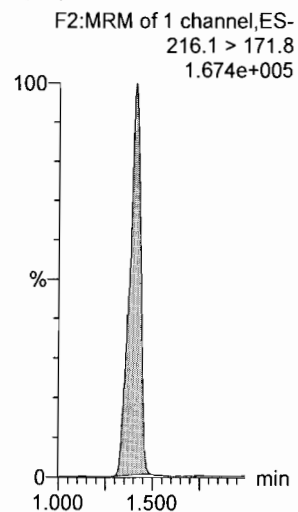
PFHpA



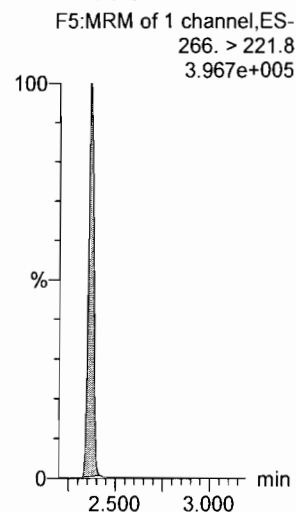
L-PFHxS



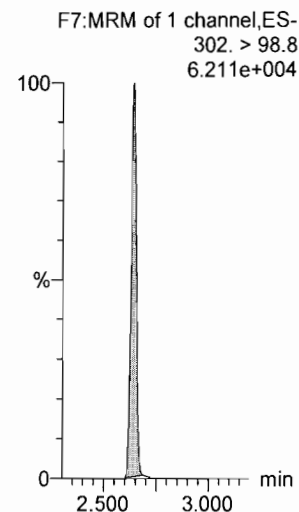
13C3-PFBA



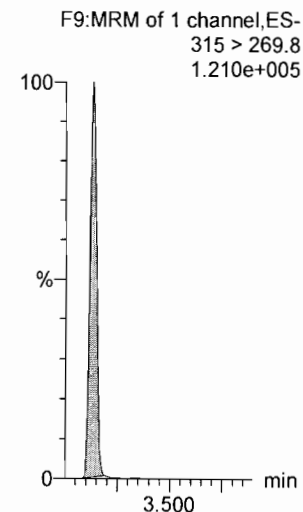
13C3-PFPeA



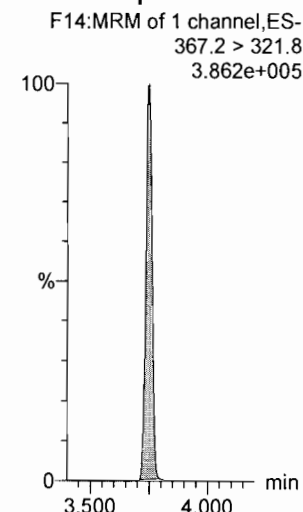
13C3-PFBS



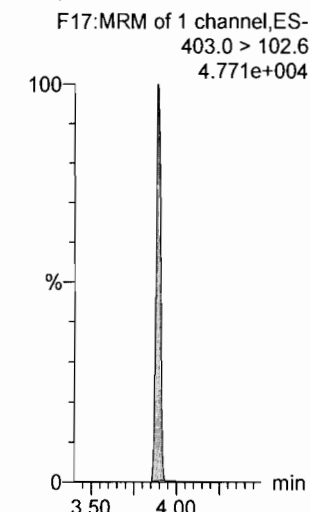
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

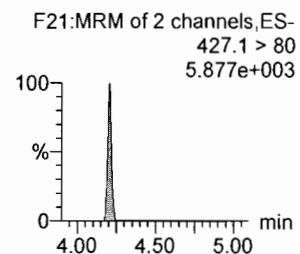
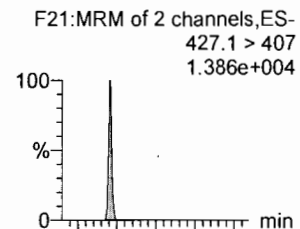


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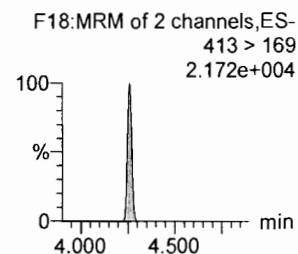
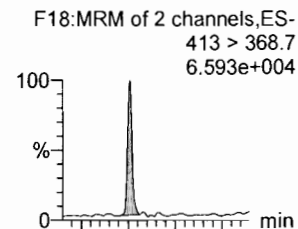
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 Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

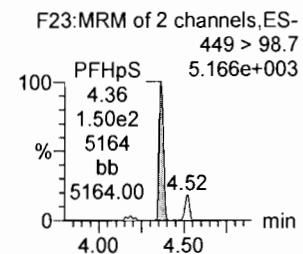
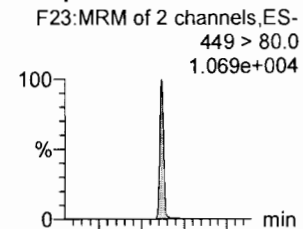
6:2 FTS



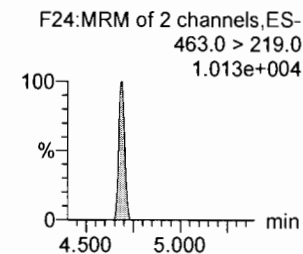
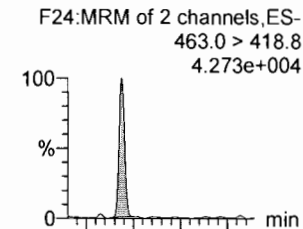
L-PFOA



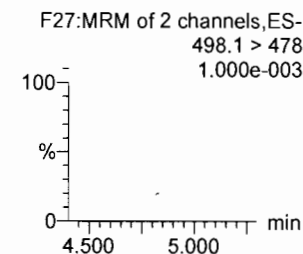
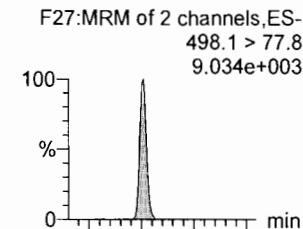
PFHpS



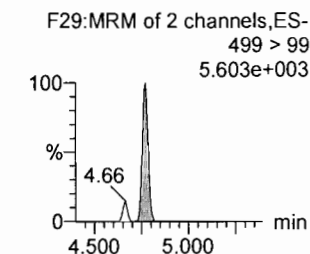
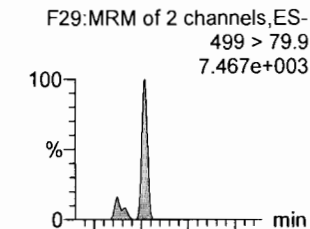
PFNA



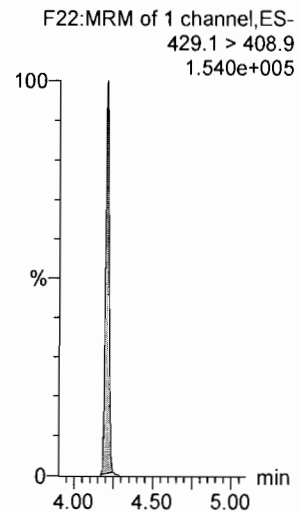
PFOSA



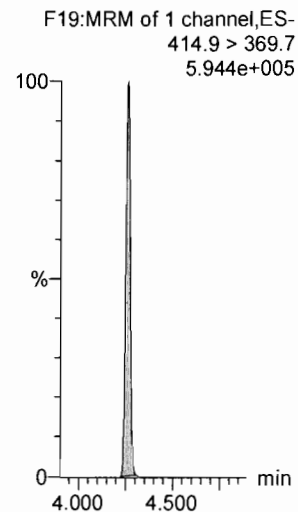
L-PFOS



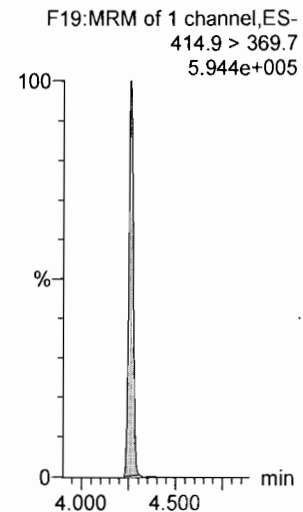
13C2-6:2 FTS



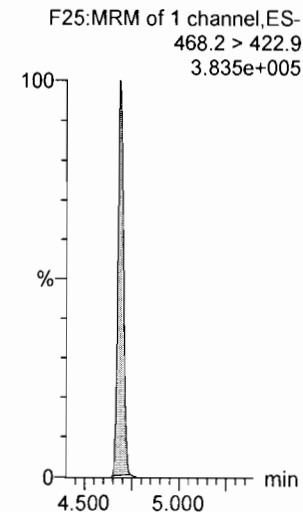
13C2-PFOA



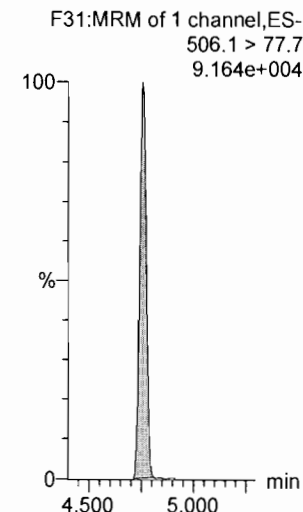
13C2-PFOA



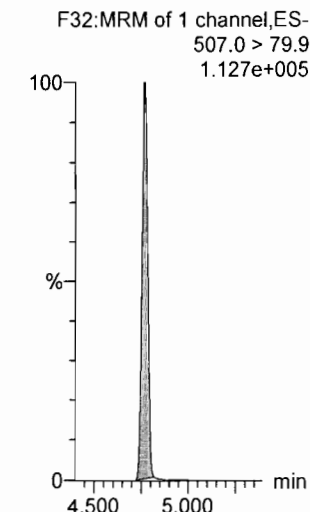
13C5-PFNA



13C8-PFOSA



13C8-PFOS



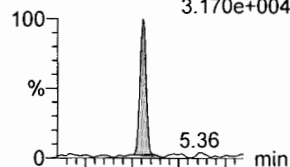
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Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

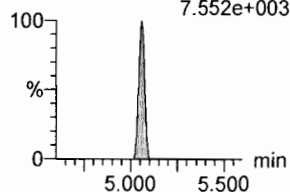
Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
3.170e+004

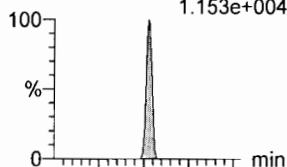


F34:MRM of 2 channels,ES-
513 > 219
7.552e+003

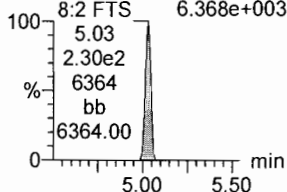


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
1.153e+004

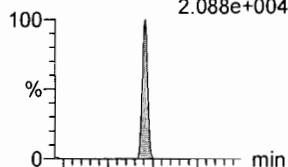


F39:MRM of 2 channels,ES-
527 > 80
6.368e+003

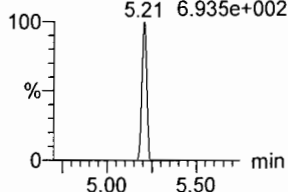


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.088e+004

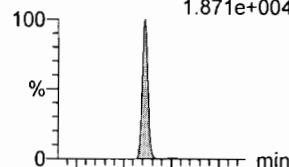


F44:MRM of 2 channels,ES-
570.1 > 483.0
6.935e+002

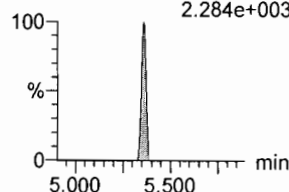


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
1.871e+004

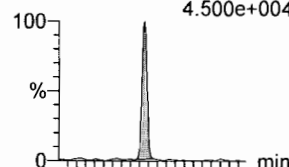


F47:MRM of 2 channels,ES-
584.2 > 483.0
2.284e+003

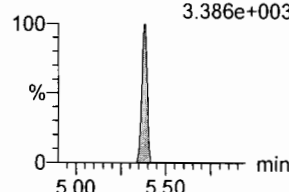


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.500e+004

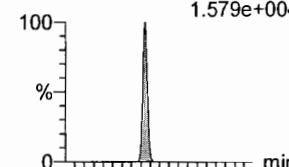


F42:MRM of 2 channels,ES-
563.0 > 269
3.386e+003

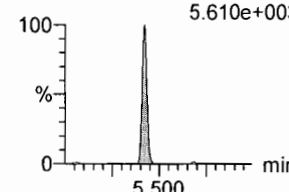


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.579e+004

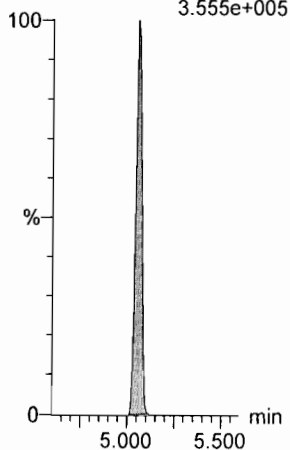


F49:MRM of 2 channels,ES-
598.8 > 98.7
5.610e+003



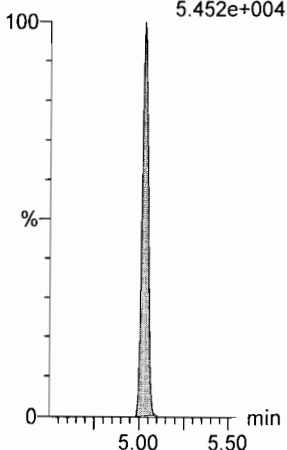
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.555e+005



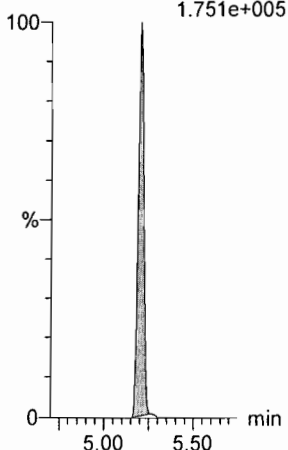
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
5.452e+004



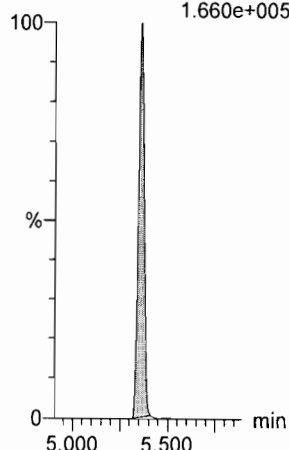
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.751e+005



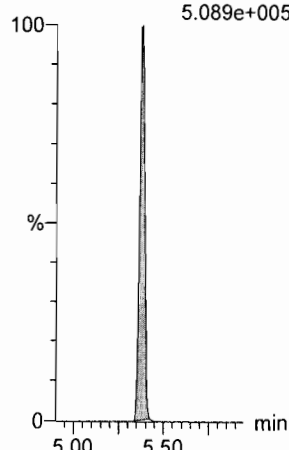
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
1.660e+005



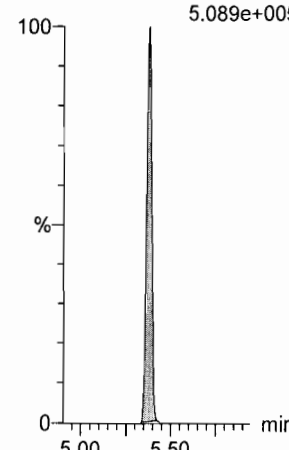
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.089e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.089e+005



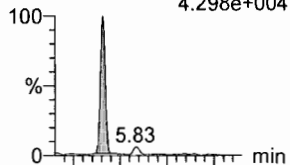
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Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

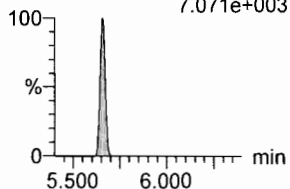
Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

PFDaA

F50:MRM of 2 channels,ES-
612.9 > 569.0
4.298e+004

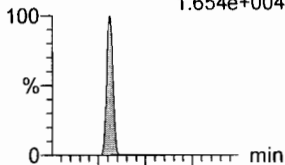


F50:MRM of 2 channels,ES-
612.9 > 318.8
7.071e+003

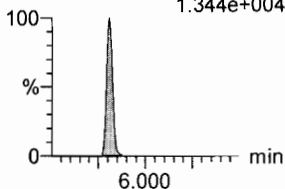


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.654e+004

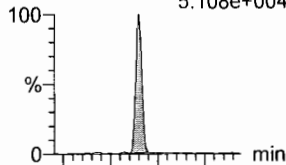


F33:MRM of 2 channels,ES-
512.1 > 219
1.344e+004

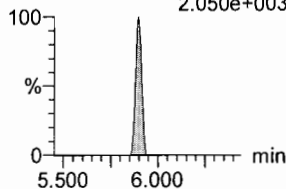


PFTeDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
5.108e+004

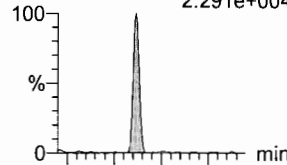


F56:MRM of 2 channels,ES-
662.9 > 319
2.050e+003

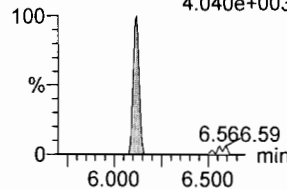


PFTeDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
2.291e+004

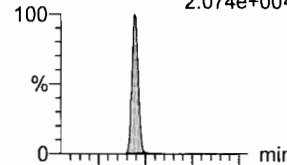


F57:MRM of 2 channels,ES-
712.9 > 369
4.040e+003

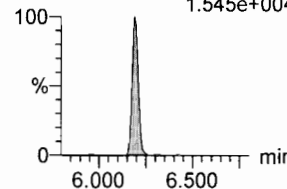


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
2.074e+004

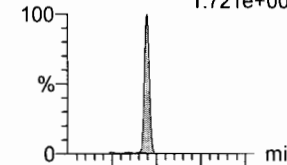


F38:MRM of 2 channels,ES-
526.1 > 219
1.545e+004

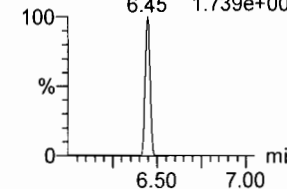


PFHxDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.721e+004

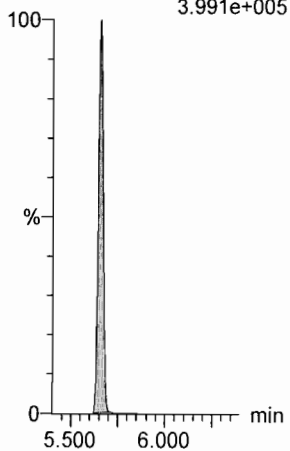


F59:MRM of 2 channels,ES-
813.1 > 219
1.739e+003



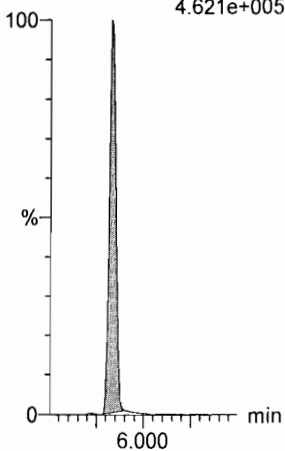
13C2-PFDaA

F51:MRM of 1 channel,ES-
615.0 > 569.7
3.991e+005



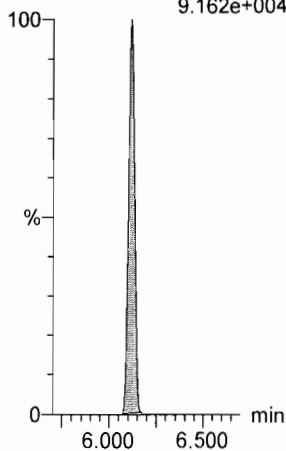
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.621e+005



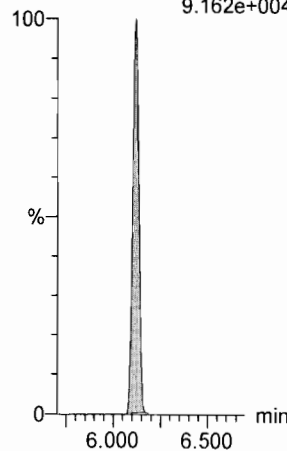
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
9.162e+004



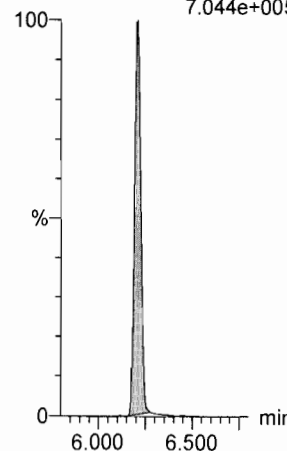
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
9.162e+004



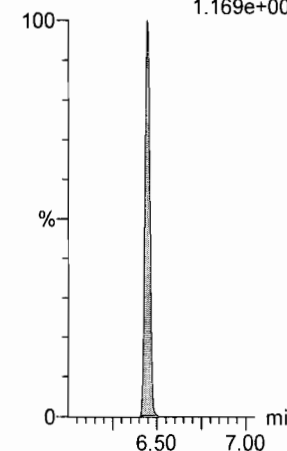
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
7.044e+005



13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.169e+005



Dataset: U:\Q4.PRO\results\171231M1\171231M1-2.qld

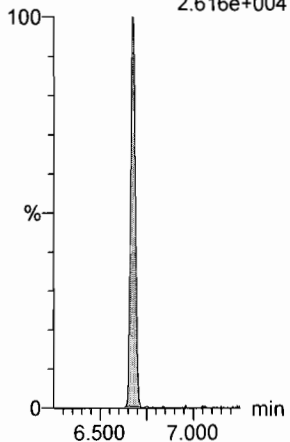
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Printed: Tuesday, January 02, 2018 17:28:27 Pacific Standard Time

Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

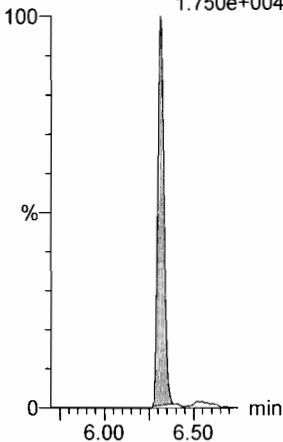
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.616e+004



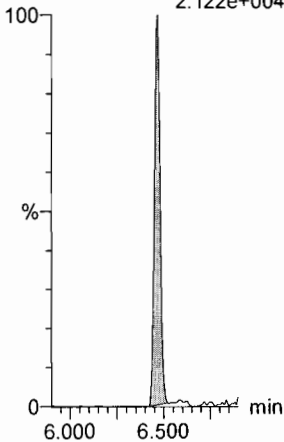
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.750e+004



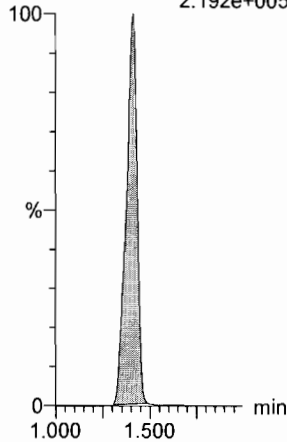
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.122e+004



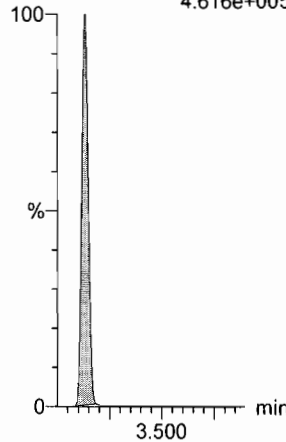
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
2.192e+005



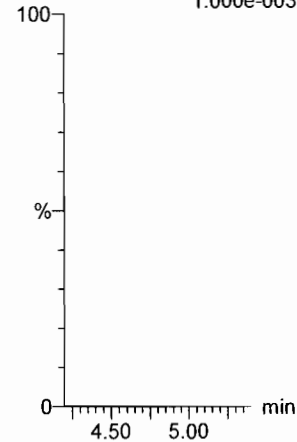
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.616e+005



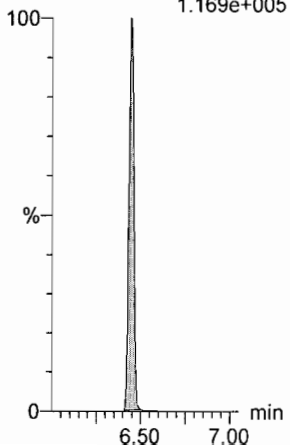
TCDA

F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



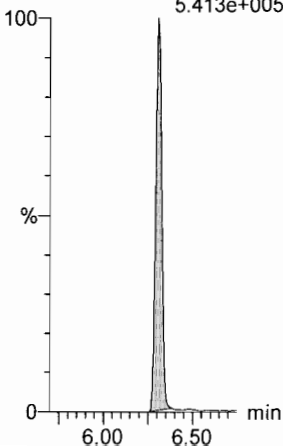
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.169e+005



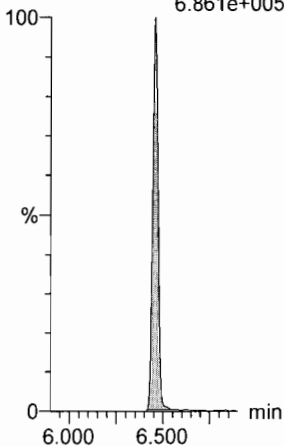
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.413e+005



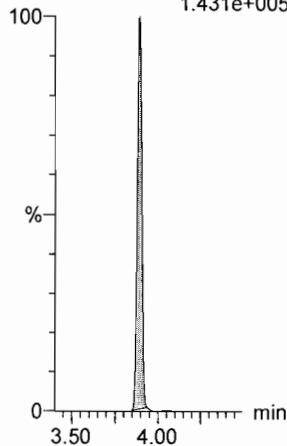
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.861e+005



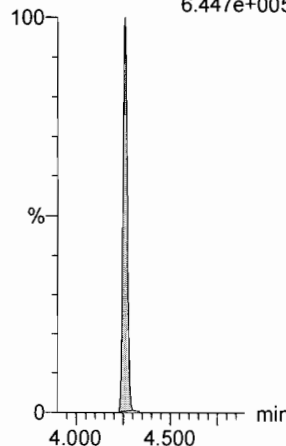
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.431e+005



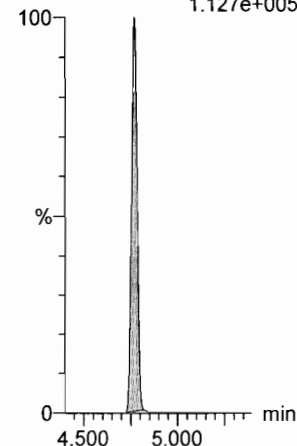
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
6.447e+005



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.127e+005



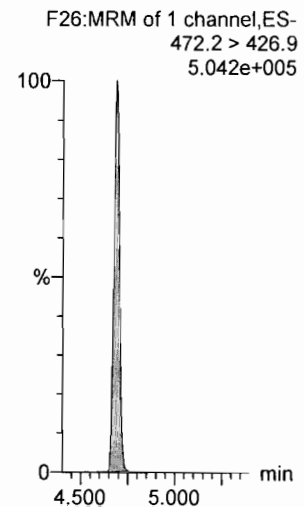
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Last Altered: Tuesday, January 02, 2018 17:27:20 Pacific Standard Time

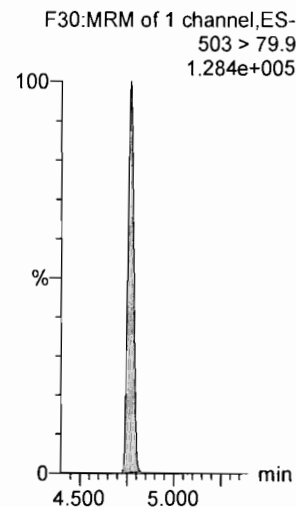
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Name: 171231M1_2, Date: 31-Dec-2017, Time: 13:52:35, ID: ST171231M1-1 PFC CS0 17L2608, Description: PFC CS0 17L2608

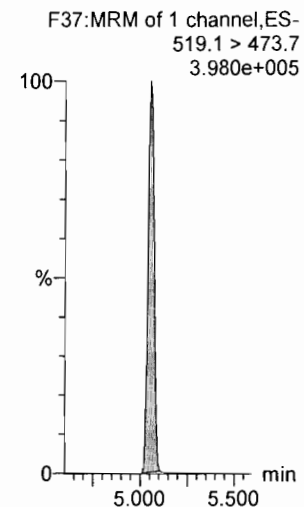
13C9-PFNA



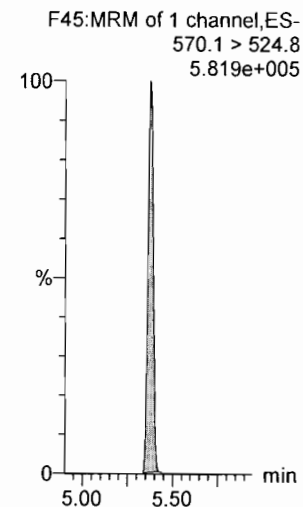
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171231M1\171231M1-18.qld

④ > 130%

Last Altered: Tuesday, January 02, 2018 17:37:40 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:37:57 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_18, Date: 31-Dec-2017, Time: 16:51:26, ID: ST171231M1-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

P/12/18

vJA
01/03/2018

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.29e4	1.11e4	1.0000		1.47	1.42	14.5	10.340	103.4
2	2 PFPeA	263.1 > 218.9	1.37e4	1.39e4	1.0000		2.35	2.38	12.3	9.850	98.5
3	3 PFBS	299.0 > 79.7	3.31e3	1.94e3	1.0000		2.70	2.65	21.3	9.685	96.8
4	4 PFHxA	313.2 > 268.9	1.60e4	3.51e3	1.0000		3.12	3.14	22.8	11.659	116.6
5	5 PFHpA	363.0 > 318.9	1.35e4	9.98e3	1.0000		3.75	3.75	16.9	11.005	110.0
6	6 L-PFHxS	398.9 > 79.6	2.63e3	1.52e3	1.0000		3.85	3.90	21.7	10.512	105.1
7	8 6:2 FTS	427.1 > 407	3.95e3	1.47e4	1.0000		4.20	4.21	3.35	10.811	108.1
8	9 L-PFOA	413 > 368.7	1.59e4	1.47e4	1.0000		4.25	4.26	13.5	12.033	120.3
9	11 PFHpS	449 > 80.0	3.69e3	1.47e4	1.0000		4.35	4.37	3.13	11.765	117.7
10	12 PFNA	463.0 > 418.8	1.79e4	1.43e4	1.0000		4.70	4.70	15.6	9.248	92.5
11	13 PFOSA	498.1 > 77.8	3.37e3	2.95e3	1.0000		4.81	4.76	14.3	11.969	119.7
12	14 L-PFOS	499 > 79.9	3.99e3	4.24e3	1.0000		4.75	4.78	11.8	9.233	92.3
13	16 PFDA	513 > 468.8	1.77e4	1.36e4	1.0000		5.05	5.06	16.3	9.860	98.6
14	17 8:2 FTS	527 > 506.9	3.44e3	1.36e4	1.0000		5.02	5.03	3.16	8.813	88.1
15	18 N-MeFOSAA	570.1 > 419	8.80e3	5.05e3	1.0000		5.20	5.21	21.8	13.504	④ 135.0
16	19 N-EtFOSAA	584.2 > 419	5.82e3	6.60e3	1.0000		5.42	5.37	11.0	8.399	84.0
17	20 PFUdA	563.0 > 518.9	1.69e4	1.64e4	1.0000		5.35	5.38	12.8	11.148	111.5
18	21 PFDS	598.8 > 80	4.37e3	1.64e4	1.0000		5.50	5.43	3.32	10.624	106.2
19	22 PFDoA	612.9 > 569.0	1.89e4	1.16e4	1.0000		5.70	5.66	20.3	13.277	④ 132.8
20	23 N-MeFOSA	512.1 > 168.9	6.79e3	1.85e4	1.0000		5.77	5.81	55.0	47.979	96.0
21	24 PFTTrDA	662.9 > 618.9	1.62e4	1.16e4	1.0000		5.95	5.90	17.4	12.137	121.4
22	25 PFTeDA	712.9 > 668.8	1.19e4	4.05e3	1.0000		6.16	6.12	36.6	12.997	130.0
23	26 N-EtFOSA	526.1 > 168.9	8.97e3	2.71e4	1.0000		6.15	6.20	49.6	47.136	94.3
24	27 PFHxDA	813.1 > 768.6	5.14e3	3.09e3	1.0000		6.48	6.45	8.31	11.239	112.4
25	28 PFODA	913.1 > 868.8	7.09e3	3.09e3	1.0000		6.70	6.68	11.5	9.936	99.4
26	29 N-MeFOSE	616.1 > 58.9	7.40e3	1.72e4	1.0000		6.30	6.32	64.4	58.570	117.1
27	30 N-EtFOSE	630.1 > 58.9	8.52e3	2.43e4	1.0000		6.42	6.46	52.5	38.140	76.3
28	31 13C3-PFBA	216.1 > 171.8	1.11e4	1.45e4	1.0000	0.780	1.47	1.42	9.59	12.284	98.3
29	32 13C3-PFPeA	266. > 221.8	1.39e4	1.81e4	1.0000	0.771	2.44	2.38	9.59	12.439	99.5
30	33 13C3-PFBS	302. > 98.8	1.94e3	1.81e4	1.0000	0.103	2.70	2.65	1.34	13.004	104.0
31	34 13C2-PFHxA	315 > 269.8	3.51e3	1.81e4	1.0000	0.619	3.20	3.14	2.43	3.926	78.5

70-50

50-50

Dataset: U:\Q4.PRO\results\171231M1\171231M1-18.qld

Last Altered: Tuesday, January 02, 2018 17:37:40 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:37:57 Pacific Standard Time

Name: 171231M1_18, Date: 31-Dec-2017, Time: 16:51:26, ID: ST171231M1-2 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	9.98e3	1.81e4	1.0000	0.634	3.80	3.76	6.91	10.903	87.2
33	36 18O2-PFHxS	403.0 > 102.6	1.52e3	4.30e3	1.0000	0.320	3.95	3.90	4.42	13.828	110.6
34	37 13C2-6:2 FTS	429.1 > 408.9	3.47e3	1.45e4	1.0000	0.244	4.26	4.21	2.99	12.269	98.2
35	38 13C2-PFOA	414.9 > 369.7	1.47e4	1.45e4	1.0000	1.046	4.32	4.26	12.7	12.147	97.2
36	39 13C5-PFNA	468.2 > 422.9	1.43e4	1.68e4	1.0000	0.838	4.75	4.70	10.7	12.706	101.7
37	40 13C8-PFOSA	506.1 > 77.7	2.95e3	1.79e4	1.0000	0.162	4.81	4.77	2.06	12.713	101.7
38	41 13C8-PFOS	507.0 > 79.9	4.24e3	3.65e3	1.0000	0.863	4.83	4.77	14.5	16.846	134.8
39	42 13C2-PFDA	515.1 > 469.9	1.36e4	1.17e4	1.0000	0.828	5.11	5.06	14.5	17.519	140.2
40	43 13C2-8:2 FTS	529.1 > 508.7	2.45e3	1.81e4	1.0000	0.139	5.09	5.03	1.69	12.185	97.5
41	44 d3-N-MeFOSAA	573.3 > 419	5.05e3	1.79e4	1.0000	0.306	5.26	5.21	3.53	11.548	92.4
42	45 d5-N-EtFOSAA	589.3 > 419	6.60e3	1.79e4	1.0000	0.346	5.42	5.36	4.62	13.344	106.8
43	46 13C2-PFUDa	565 > 519.8	1.64e4	1.79e4	1.0000	0.842	5.43	5.38	11.5	13.659	109.3
44	47 13C2-PFDoA	615.0 > 569.7	1.16e4	1.79e4	1.0000	0.714	5.70	5.66	8.13	11.384	91.1
45	48 d3-N-MeFOSA	515.2 > 168.9	1.85e4	1.79e4	1.0000	0.078	5.80	5.84	13.0	166.493	111.0
46	49 13C2-PFTeDA	714.8 > 669.6	4.05e3	1.79e4	1.0000	0.236	6.16	6.12	2.84	12.002	96.0
47	50 d5-N-ETFOSA	531.1 > 168.9	2.71e4	1.79e4	1.0000	0.113	6.16	6.21	19.0	167.443	111.6
48	51 13C2-PFHxDA	815 > 769.7	3.09e3	1.79e4	1.0000	0.481	6.48	6.45	2.16	4.495	89.9
49	52 d7-N-MeFOSE	623.1 > 58.9	1.72e4	1.79e4	1.0000	0.090	6.30	6.31	12.1	134.311	89.5
50	53 d9-N-EtFOSE	639.2 > 58.8	2.43e4	1.79e4	1.0000	0.093	6.42	6.46	17.0	183.839	122.6
51	54 13C4-PFBA	217. > 171.8	1.45e4	1.45e4	1.0000	1.000	1.47	1.42	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.81e4	1.81e4	1.0000	1.000	3.20	3.14	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.30e3	4.30e3	1.0000	1.000	3.95	3.90	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.45e4	1.45e4	1.0000	1.000	4.32	4.26	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.68e4	1.68e4	1.0000	1.000	4.75	4.69	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	3.65e3	3.65e3	1.0000	1.000	4.83	4.78	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.17e4	1.17e4	1.0000	1.000	5.11	5.06	12.5	12.500	100.0
58	61 13C7-PFUDa	570.1 > 524.8	1.79e4	1.79e4	1.0000	1.000	5.43	5.38	12.5	12.500	100.0

50-150

Dataset: Untitled

Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:44:16 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171231M1_1	IPA	31-Dec-17	13:41:18
2	171231M1_2	ST171231M1-1 PFC CS0 17L2608	31-Dec-17	13:52:35
3	171231M1_3	IPA	31-Dec-17	14:03:45
4	171231M1_4	B7L0171-BS1 OPR 0.25	31-Dec-17	14:14:56
5	171231M1_5	IPA	31-Dec-17	14:26:07
6	171231M1_6	B7L0171-BLK1 Method Blank 0.25	31-Dec-17	14:37:18
7	171231M1_7	B7L0171-MS1 Matrix Spike 0.25217	31-Dec-17	14:48:28
8	171231M1_8	B7L0171-MSD1 Matrix Spike Dup 0.2644	31-Dec-17	14:59:39
9	171231M1_9	1701929-01 SB01 0.26085	31-Dec-17	15:10:50
10	171231M1_10	1701929-02 EB01 0.26531	31-Dec-17	15:22:01
11	171231M1_11	1701929-03 UXOSite11-GW-GMMW04-20171...	31-Dec-17	15:33:11
12	171231M1_12	1701929-04 UXOSite11-GW-GMMW08-20171...	31-Dec-17	15:44:22
13	171231M1_13	1701929-05 UXOSite11-GW-GMMW10-20171...	31-Dec-17	15:55:33
14	171231M1_14	1701929-06 IRSite13-GW-BUAMW011-20171...	31-Dec-17	16:06:43
15	171231M1_15	1701929-07 IRSite13-GW-BUAMW015-20171...	31-Dec-17	16:17:54
16	171231M1_16	1701929-08 IRSite13-GW-BUAMW012-20171...	31-Dec-17	16:29:05
17	171231M1_17	IPA	31-Dec-17	16:40:15
18	171231M1_18	ST171231M1-2 PFC CS3 17L2611	31-Dec-17	16:51:26
19	171231M1_19	IPA	31-Dec-17	17:02:37
20	171231M1_20	1701929-10 DUP01 27034	31-Dec-17	17:13:51
21	171231M1_21	1701929-11 IRSite13-GW-BUAMW010-20171...	31-Dec-17	17:24:59
22	171231M1_22	1701929-12 IRSite13-GW-BUAMW002-20171...	31-Dec-17	17:36:09
23	171231M1_23	1701943-01 WI-A06-6-S-04-1217 0.125	31-Dec-17	17:47:20
24	171231M1_24	1701943-03 WI-A06-6-S-19-1217 0.12062	31-Dec-17	17:58:31
25	171231M1_25	1701943-05 WI-A06-6-S-19P-1217 0.11997	31-Dec-17	18:09:41
26	171231M1_26	1701943-07 WI-A06-6-S-31-1217 0.12406	31-Dec-17	18:20:52
27	171231M1_27	1701943-09 WI-A06-EB07-121117 0.12057	31-Dec-17	18:32:03
28	171231M1_28	1701943-11 WI-A06-6-S-08-1217 0.12355	31-Dec-17	18:43:14
29	171231M1_29	B7L0102-MSD1 Matrix Spike Dup 0.11403	31-Dec-17	18:54:24
30	171231M1_30	1701854-05 REEPDW026FRB 0.11666	31-Dec-17	19:05:35
31	171231M1_31	1701938-02 REEPDW503 0.11997	31-Dec-17	19:16:46

Dataset: Untitled

Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:44:16 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171231M1_32	1701938-04 REEPDW042 0.11808	31-Dec-17	19:27:56
33	171231M1_33	IPA	31-Dec-17	19:39:07
34	171231M1_34	ST171231M1-3 PFC CS3 17L2611	31-Dec-17	19:50:18
35	171231M1_35	IPA	31-Dec-17	20:01:29

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Last Altered: Tuesday, January 02, 2018 17:37:40 Pacific Standard Time

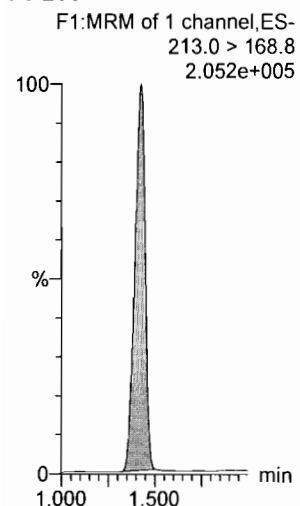
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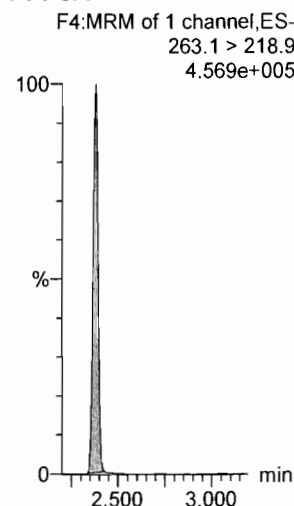
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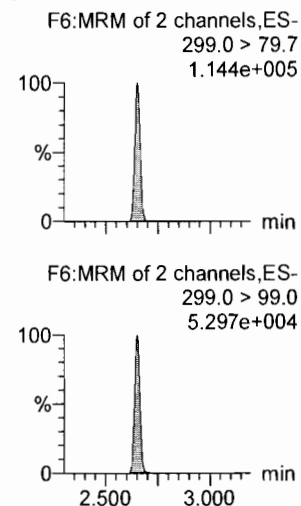
PFBA



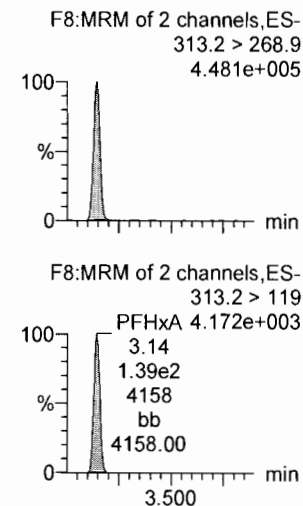
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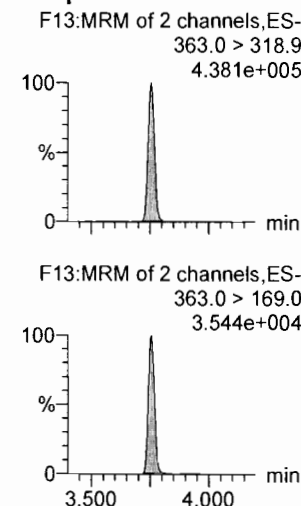
PFBS



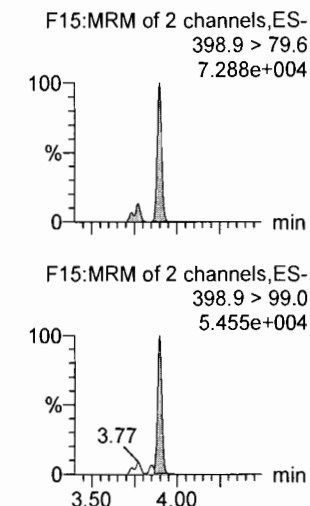
PFHxA



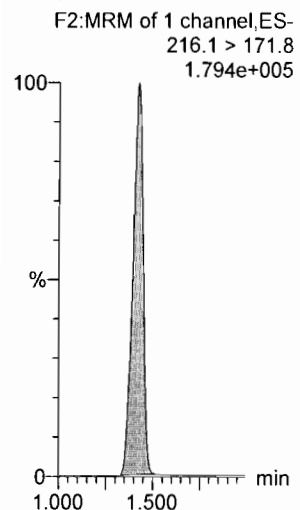
PFHpA



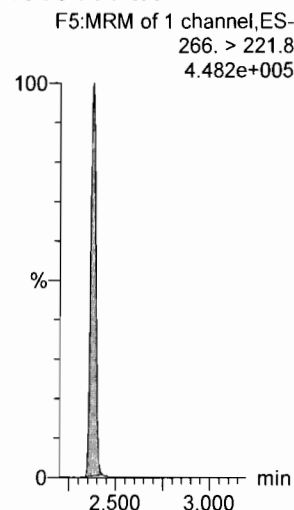
L-PFHxS



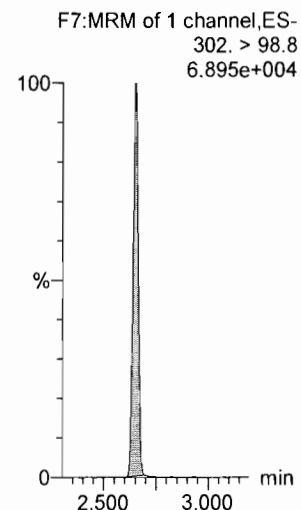
13C3-PFBA



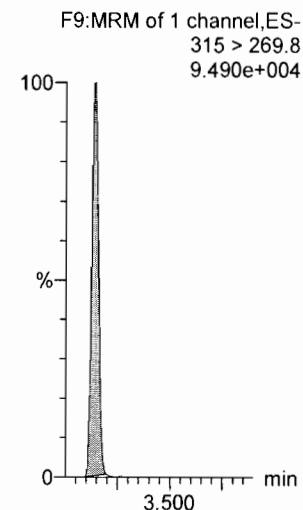
13C3-PFPeA



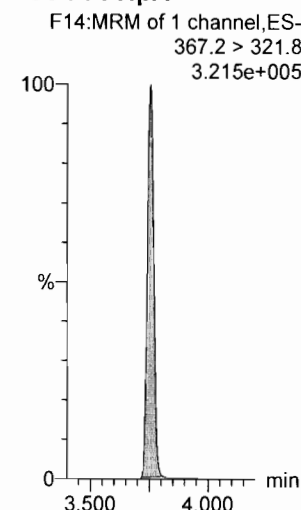
13C3-PFBS



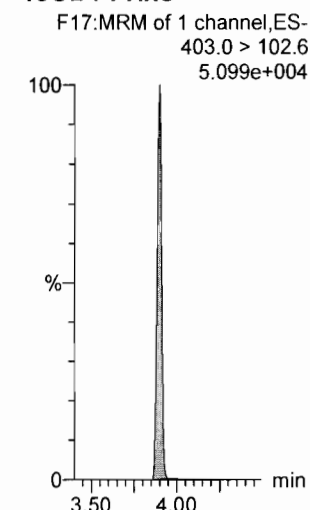
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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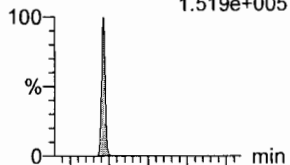
Last Altered: Tuesday, January 02, 2018 17:37:40 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:37:57 Pacific Standard Time

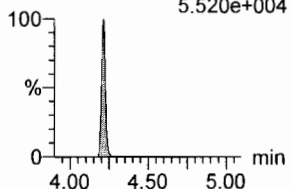
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.519e+005

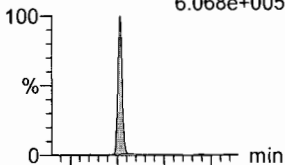


F21:MRM of 2 channels,ES-
427.1 > 80
5.520e+004

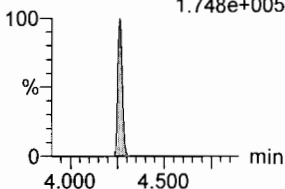


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
6.068e+005

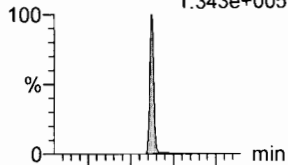


F18:MRM of 2 channels,ES-
413 > 169
1.748e+005

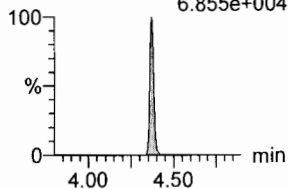


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.343e+005

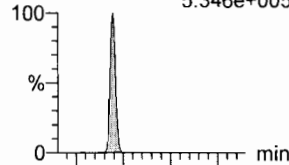


F23:MRM of 2 channels,ES-
449 > 98.7
6.855e+004

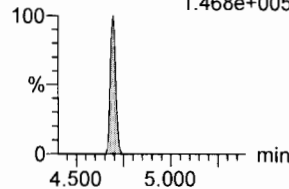


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
5.346e+005

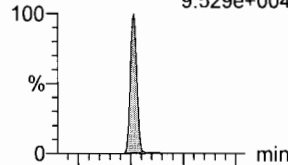


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.468e+005

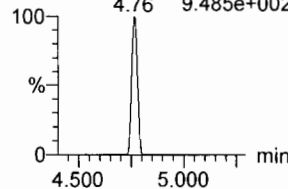


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
9.529e+004

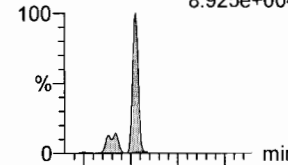


F27:MRM of 2 channels,ES-
498.1 > 478
9.485e+002

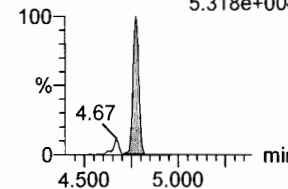


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
8.925e+004

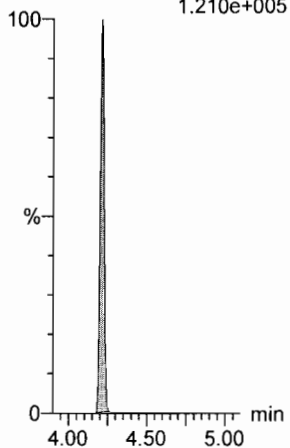


F29:MRM of 2 channels,ES-
499 > 99
5.318e+004



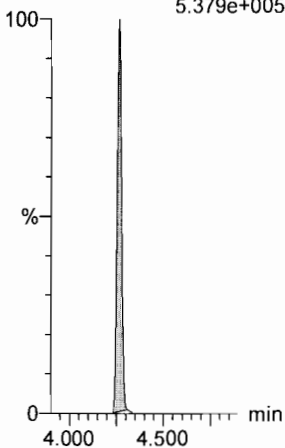
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.210e+005



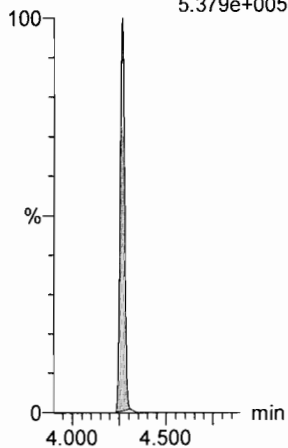
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.379e+005



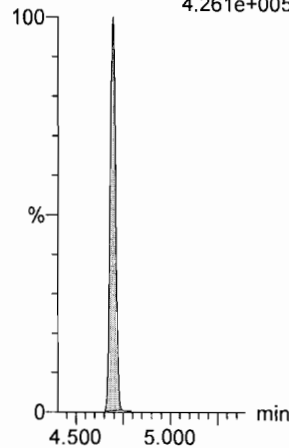
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.379e+005



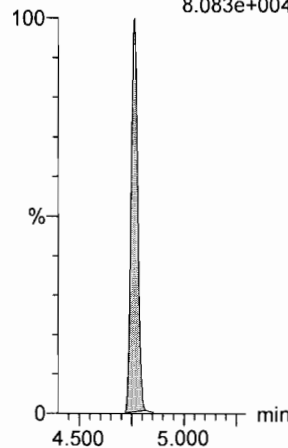
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.261e+005



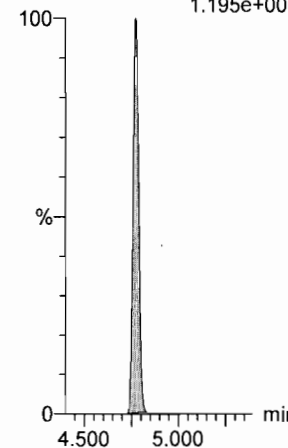
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.083e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.195e+005



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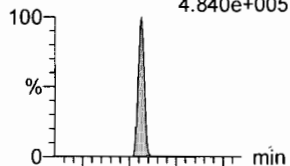
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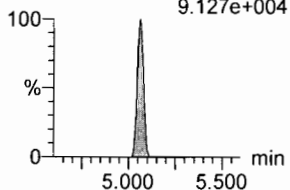
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.840e+005

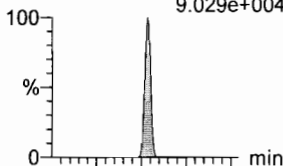


F34:MRM of 2 channels,ES-
513 > 219
9.127e+004

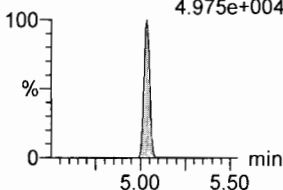


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
9.029e+004

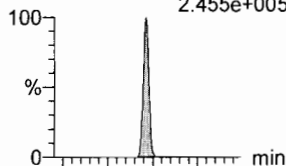


F39:MRM of 2 channels,ES-
527 > 80
4.975e+004

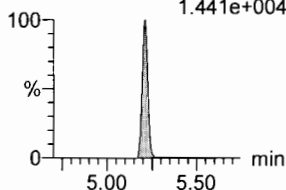


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.455e+005

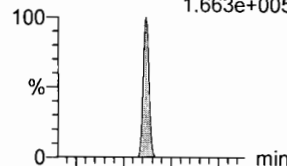


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.441e+004

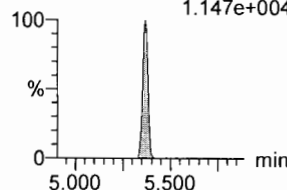


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
1.663e+005

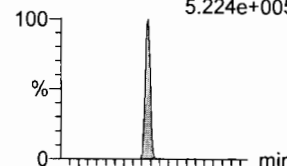


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.147e+004

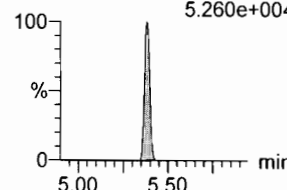


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
5.224e+005

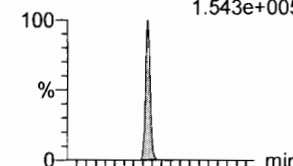


F42:MRM of 2 channels,ES-
563.0 > 269
5.260e+004

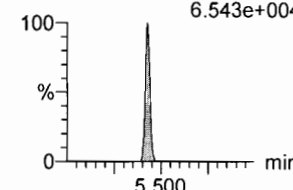


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.543e+005

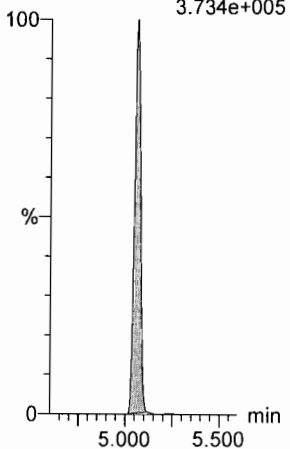


F49:MRM of 2 channels,ES-
598.8 > 98.7
6.543e+004



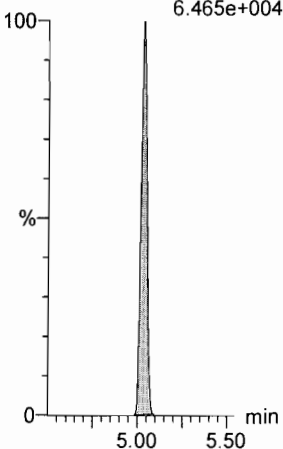
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.734e+005



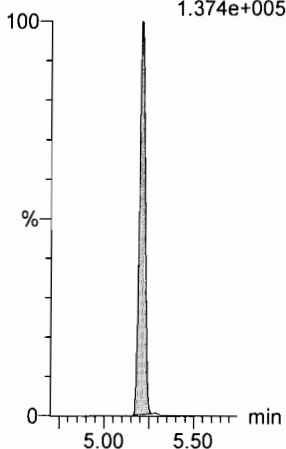
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.465e+004



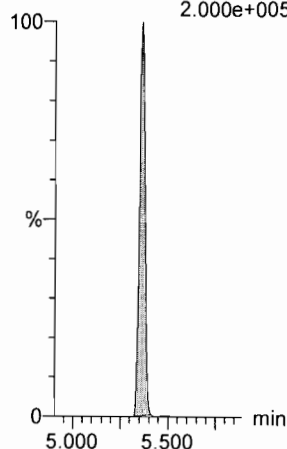
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.374e+005



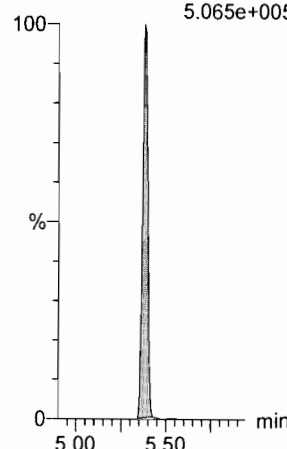
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.000e+005



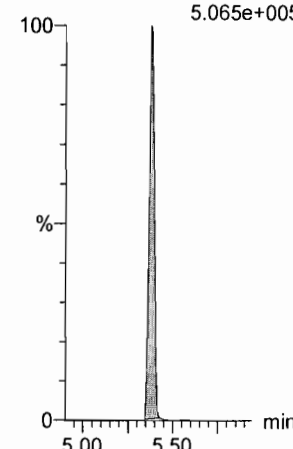
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.065e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.065e+005



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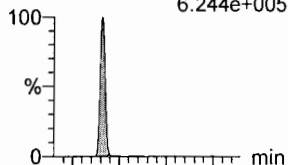
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Printed: Tuesday, January 02, 2018 17:37:57 Pacific Standard Time

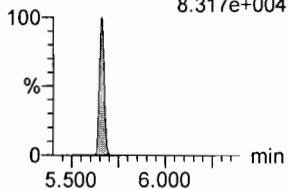
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PFD_oA

F50:MRM of 2 channels,ES-
612.9 > 569.0
6.244e+005

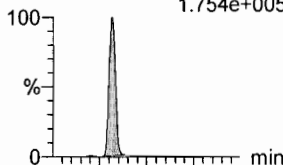


F50:MRM of 2 channels,ES-
612.9 > 318.8
8.317e+004

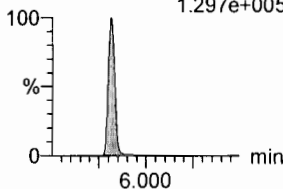


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.754e+005

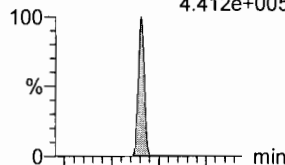


F33:MRM of 2 channels,ES-
512.1 > 219
1.297e+005

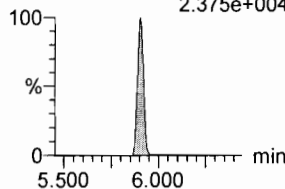


PFT_rDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
4.412e+005

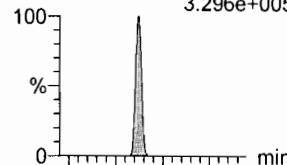


F56:MRM of 2 channels,ES-
662.9 > 319
2.375e+004

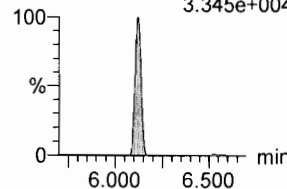


PFT_eDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
3.296e+005

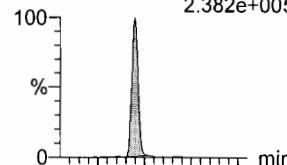


F57:MRM of 2 channels,ES-
712.9 > 369
3.345e+004

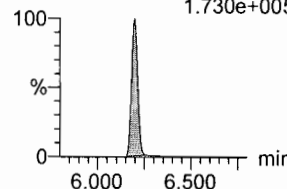


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
2.382e+005

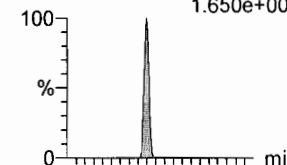


F38:MRM of 2 channels,ES-
526.1 > 219
1.730e+005

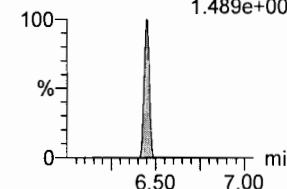


PFH_xDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.650e+005

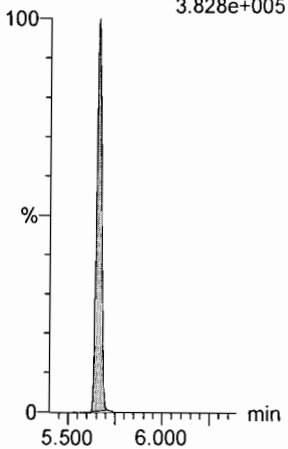


F59:MRM of 2 channels,ES-
813.1 > 219
1.489e+004



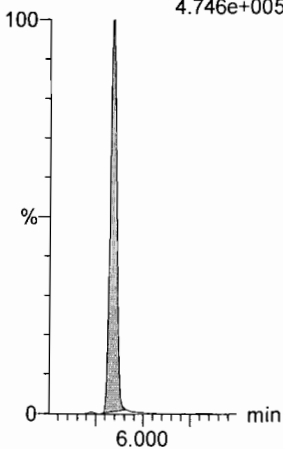
13C2-PFD_oA

F51:MRM of 1 channel,ES-
615.0 > 569.7
3.828e+005



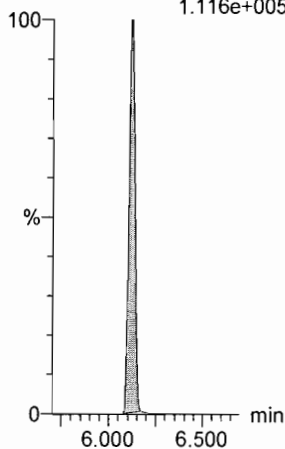
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.746e+005



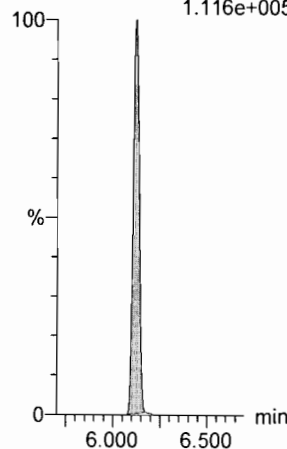
13C2-PFT_rDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.116e+005



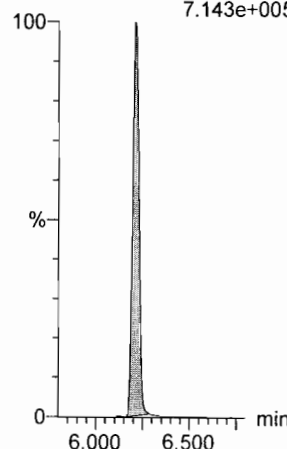
13C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.116e+005



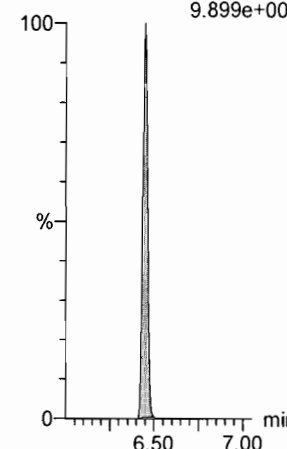
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
7.143e+005



13C2-PFH_xDA

F60:MRM of 1 channel,ES-
815 > 769.7
9.899e+004



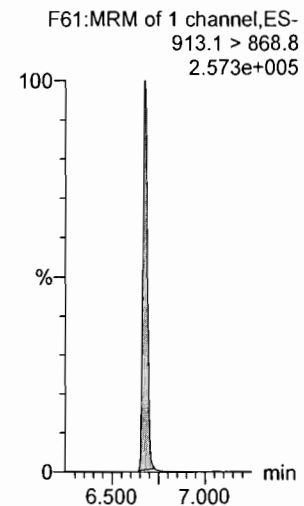
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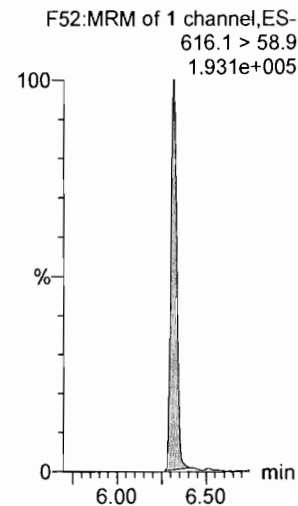
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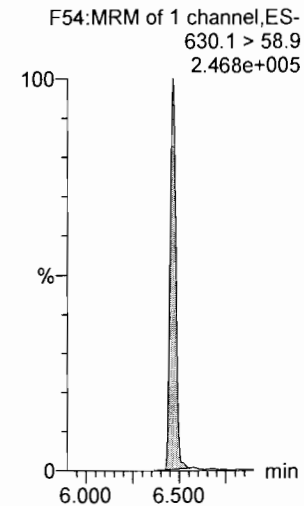
PFODA



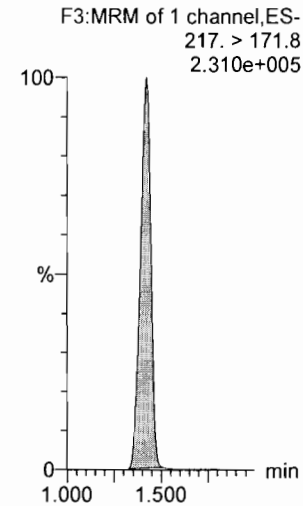
N-MeFOSE



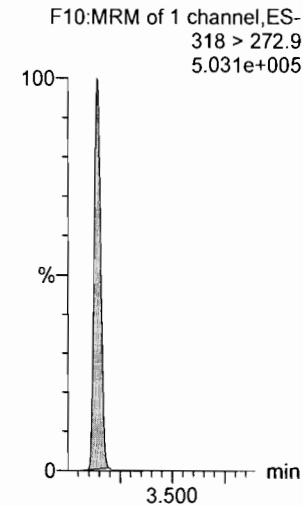
N-EtFOSE



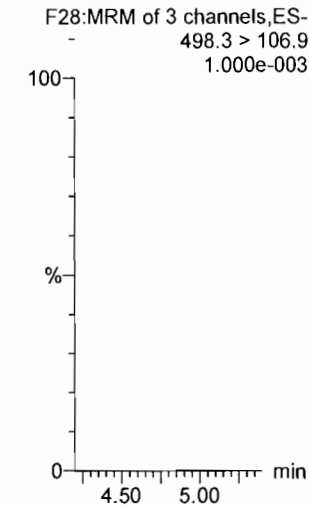
13C4-PFBA



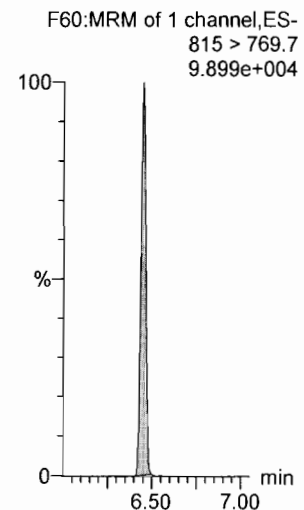
13C5-PFHxA



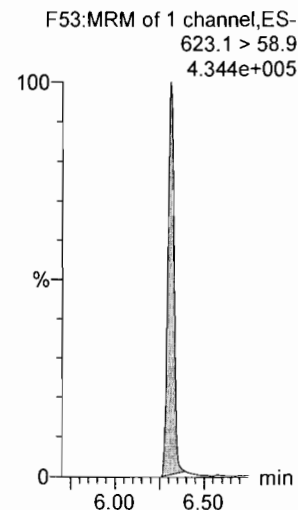
TCDA



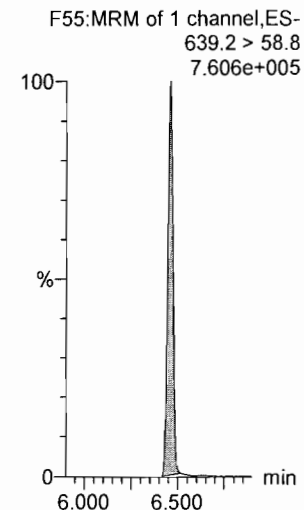
13C2-PFHxDA



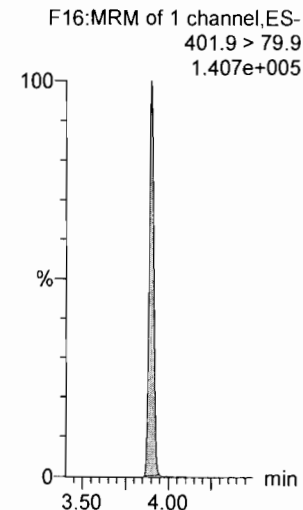
d7-N-MeFOSE



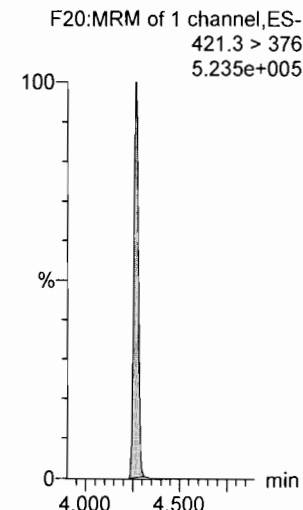
d9-N-EtFOSE



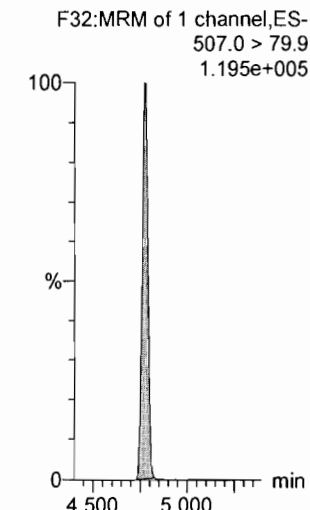
13C3-PFHxS



13C8-PFOA



13C8-PFOS



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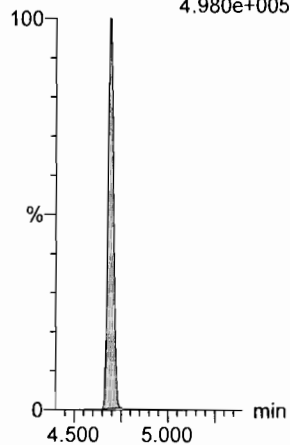
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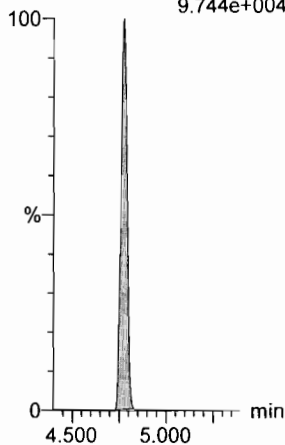
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.980e+005



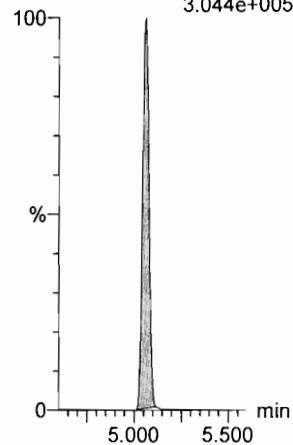
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
9.744e+004



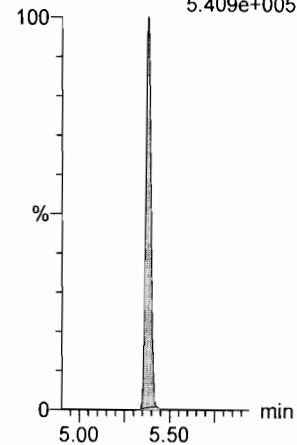
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.044e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.409e+005



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-34.qld

Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

CP 1/2/18

YJA 01/03/2018

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.29e4	1.15e4	1.0000		1.47	1.43	14.0	10.036	100.4
2	2 PFPeA	263.1 > 218.9	1.39e4	1.44e4	1.0000		2.35	2.38	12.1	9.622	96.2
3	3 PFBS	299.0 > 79.7	3.41e3	2.00e3	1.0000		2.70	2.65	21.3	9.687	96.9
4	4 PFHxA	313.2 > 268.9	1.66e4	4.20e3	1.0000		3.12	3.15	19.8	10.153	101.5
5	5 PFHpA	363.0 > 318.9	1.46e4	1.19e4	1.0000		3.75	3.76	15.3	10.013	100.1
6	6 L-PFHxS	398.9 > 79.6	2.21e3	1.46e3	1.0000		3.85	3.90	18.9	9.176	91.8
7	8 6:2 FTS	427.1 > 407	4.13e3	1.71e4	1.0000		4.20	4.21	3.01	9.699	97.0
8	9 L-PFOA	413 > 368.7	1.63e4	1.71e4	1.0000		4.25	4.27	11.9	10.559	105.6
9	11 PFHpS	449 > 80.0	3.84e3	1.71e4	1.0000		4.35	4.37	2.80	10.529	105.3
10	12 PFNA	463.0 > 418.8	1.74e4	1.37e4	1.0000		4.70	4.70	15.9	9.374	93.7
11	13 PFOSA	498.1 > 77.8	3.37e3	3.06e3	1.0000		4.81	4.77	13.7	11.535	115.4
12	14 L-PFOS	499 > 79.9	4.07e3	4.19e3	1.0000		4.75	4.78	12.1	9.536	95.4
13	16 PFDA	513 > 468.8	1.27e4	1.29e4	1.0000		5.05	5.07	12.3	7.482	74.8
14	17 8:2 FTS	527 > 506.9	3.81e3	1.29e4	1.0000		5.02	5.04	3.69	10.252	102.5
15	18 N-MeFOSAA	570.1 > 419	8.61e3	6.78e3	1.0000		5.20	5.22	15.9	9.931	99.3
16	19 N-EtFOSAA	584.2 > 419	7.60e3	7.54e3	1.0000		5.42	5.37	12.6	9.603	96.0
17	20 PFUdA	563.0 > 518.9	1.45e4	1.40e4	1.0000		5.35	5.39	12.9	11.203	112.0
18	21 PFDS	598.8 > 80	4.42e3	1.40e4	1.0000		5.50	5.43	3.94	12.757	127.6
19	22 PFDoA	612.9 > 569.0	1.95e4	1.48e4	1.0000		5.70	5.66	16.5	10.825	108.2
20	23 N-MeFOSA	512.1 > 168.9	7.39e3	1.87e4	1.0000		5.77	5.82	59.1	51.534	103.1
21	24 PFTTrDA	662.9 > 618.9	1.63e4	1.48e4	1.0000		5.95	5.91	13.8	9.665	96.7
22	25 PFTeDA	712.9 > 668.8	1.08e4	4.34e3	1.0000		6.16	6.12	31.2	11.234	112.3
23	26 N-EtFOSA	526.1 > 168.9	9.66e3	2.77e4	1.0000		6.15	6.20	52.3	49.669	99.3
24	27 PFHxDA	813.1 > 768.6	5.57e3	3.03e3	1.0000		6.48	6.45	9.19	12.442	124.4
25	28 PFODA	913.1 > 868.8	6.75e3	3.03e3	1.0000		6.70	6.68	11.1	9.649	96.5
26	29 N-MeFOSE	616.1 > 58.9	8.47e3	2.20e4	1.0000		6.30	6.32	57.9	52.739	105.5
27	30 N-EtFOSE	630.1 > 58.9	9.40e3	2.18e4	1.0000		6.42	6.47	64.7	46.878	93.8
28	31 13C3-PFBA	216.1 > 171.8	1.15e4	1.47e4	1.0000	0.780	1.47	1.43	9.76	12.508	100.1
29	32 13C3-PFPeA	266. > 221.8	1.44e4	1.75e4	1.0000	0.771	2.44	2.38	10.3	13.329	106.6
30	33 13C3-PFBS	302. > 98.8	2.00e3	1.75e4	1.0000	0.103	2.70	2.65	1.43	13.858	110.9
31	34 13C2-PFHxA	315 > 269.8	4.20e3	1.75e4	1.0000	0.619	3.20	3.14	3.00	4.853	97.1

70-130

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171231M1\171231M1-34.qld

Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time

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Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.19e4	1.75e4	1.0000	0.634	3.80	3.76	8.50	13.420	107.4
33	36 18O2-PFHxS	403.0 > 102.6	1.46e3	4.54e3	1.0000	0.320	3.95	3.90	4.02	12.585	100.7
34	37 13C2-6:2 FTS	429.1 > 408.9	3.50e3	1.72e4	1.0000	0.244	4.26	4.22	2.54	10.417	83.3
35	38 13C2-PFOA	414.9 > 369.7	1.71e4	1.72e4	1.0000	1.046	4.32	4.27	12.5	11.909	95.3
36	39 13C5-PFNA	468.2 > 422.9	1.37e4	1.61e4	1.0000	0.838	4.75	4.70	10.6	12.695	101.6
37	40 13C8-PFOSA	506.1 > 77.7	3.06e3	1.73e4	1.0000	0.162	4.81	4.77	2.22	13.650	109.2
38	41 13C8-PFOS	507.0 > 79.9	4.19e3	4.82e3	1.0000	0.863	4.83	4.78	10.9	12.595	100.8
39	42 13C2-PFDA	515.1 > 469.9	1.29e4	1.48e4	1.0000	0.828	5.11	5.07	10.9	13.133	105.1
40	43 13C2-8:2 FTS	529.1 > 508.7	2.41e3	1.75e4	1.0000	0.139	5.09	5.04	1.72	12.390	99.1
41	44 d3-N-MeFOSAA	573.3 > 419	6.78e3	1.73e4	1.0000	0.306	5.26	5.21	4.91	16.049	128.4
42	45 d5-N-EiFOSAA	589.3 > 419	7.54e3	1.73e4	1.0000	0.346	5.42	5.37	5.46	15.778	126.2
43	46 13C2-PFUDa	565 > 519.8	1.40e4	1.73e4	1.0000	0.842	5.43	5.39	10.2	12.062	96.5
44	47 13C2-PFDoA	615.0 > 569.7	1.48e4	1.73e4	1.0000	0.714	5.70	5.67	10.7	15.010	120.1
45	48 d3-N-MeFOSA	515.2 > 168.9	1.87e4	1.73e4	1.0000	0.078	5.80	5.85	13.6	174.418	116.3
46	49 13C2-PFTeDA	714.8 > 669.6	4.34e3	1.73e4	1.0000	0.236	6.16	6.12	3.14	13.291	106.3
47	50 d5-N-ETFOSA	531.1 > 168.9	2.77e4	1.73e4	1.0000	0.113	6.16	6.21	20.1	176.962	118.0
48	51 13C2-PFHxDA	815 > 769.7	3.03e3	1.73e4	1.0000	0.481	6.48	6.45	2.20	4.561	91.2
49	52 d7-N-MeFOSE	623.1 > 58.9	2.20e4	1.73e4	1.0000	0.090	6.30	6.31	15.9	177.000	118.0
50	53 d9-N-EiFOSE	639.2 > 58.8	2.18e4	1.73e4	1.0000	0.093	6.42	6.46	15.8	170.451	113.6
51	54 13C4-PFBA	217. > 171.8	1.47e4	1.47e4	1.0000	1.000	1.47	1.43	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.75e4	1.75e4	1.0000	1.000	3.20	3.14	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.54e3	4.54e3	1.0000	1.000	3.95	3.90	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.72e4	1.72e4	1.0000	1.000	4.32	4.27	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.61e4	1.61e4	1.0000	1.000	4.75	4.70	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	4.82e3	4.82e3	1.0000	1.000	4.83	4.78	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.48e4	1.48e4	1.0000	1.000	5.11	5.07	12.5	12.500	100.0
58	61 13C7-PFUDa	570.1 > 524.8	1.73e4	1.73e4	1.0000	1.000	5.43	5.38	12.5	12.500	100.0

50-150
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Dataset: Untitled

Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Compound name: PFBA

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1	171231M1_1	IPA	31-Dec-17	13:41:18
2	171231M1_2	ST171231M1-1 PFC CS0 17L2608	31-Dec-17	13:52:35
3	171231M1_3	IPA	31-Dec-17	14:03:45
4	171231M1_4	B7L0171-BS1 OPR 0.25	31-Dec-17	14:14:56
5	171231M1_5	IPA	31-Dec-17	14:26:07
6	171231M1_6	B7L0171-BLK1 Method Blank 0.25	31-Dec-17	14:37:18
7	171231M1_7	B7L0171-MS1 Matrix Spike 0.25217	31-Dec-17	14:48:28
8	171231M1_8	B7L0171-MSD1 Matrix Spike Dup 0.2644	31-Dec-17	14:59:39
9	171231M1_9	1701929-01 SB01 0.26085	31-Dec-17	15:10:50
10	171231M1_10	1701929-02 EB01 0.26531	31-Dec-17	15:22:01
11	171231M1_11	1701929-03 UXOSite11-GW-GMMW04-20171...	31-Dec-17	15:33:11
12	171231M1_12	1701929-04 UXOSite11-GW-GMMW08-20171...	31-Dec-17	15:44:22
13	171231M1_13	1701929-05 UXOSite11-GW-GMMW10-20171...	31-Dec-17	15:55:33
14	171231M1_14	1701929-06 IRSite13-GW-BUAMW011-20171...	31-Dec-17	16:06:43
15	171231M1_15	1701929-07 IRSite13-GW-BUAMW015-20171...	31-Dec-17	16:17:54
16	171231M1_16	1701929-08 IRSite13-GW-BUAMW012-20171...	31-Dec-17	16:29:05
17	171231M1_17	IPA	31-Dec-17	16:40:15
18	171231M1_18	ST171231M1-2 PFC CS3 17L2611	31-Dec-17	16:51:26
19	171231M1_19	IPA	31-Dec-17	17:02:37
20	171231M1_20	1701929-10 DUP01 27034	31-Dec-17	17:13:51
21	171231M1_21	1701929-11 IRSite13-GW-BUAMW010-20171...	31-Dec-17	17:24:59
22	171231M1_22	1701929-12 IRSite13-GW-BUAMW002-20171...	31-Dec-17	17:36:09
23	171231M1_23	1701943-01 WI-A06-6-S-04-1217 0.125	31-Dec-17	17:47:20
24	171231M1_24	1701943-03 WI-A06-6-S-19-1217 0.12062	31-Dec-17	17:58:31
25	171231M1_25	1701943-05 WI-A06-6-S-19P-1217 0.11997	31-Dec-17	18:09:41
26	171231M1_26	1701943-07 WI-A06-6-S-31-1217 0.12406	31-Dec-17	18:20:52
27	171231M1_27	1701943-09 WI-A06-EB07-121117 0.12057	31-Dec-17	18:32:03
28	171231M1_28	1701943-11 WI-A06-6-S-08-1217 0.12355	31-Dec-17	18:43:14
29	171231M1_29	B7L0102-MSD1 Matrix Spike Dup 0.11403	31-Dec-17	18:54:24
30	171231M1_30	1701854-05 REEPDW026FRB 0.11666	31-Dec-17	19:05:35
31	171231M1_31	1701938-02 REEPDW503 0.11997	31-Dec-17	19:16:46

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Last Altered: Tuesday, January 02, 2018 17:43:32 Pacific Standard Time

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Compound name: PFBA

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33	171231M1_33	IPA	31-Dec-17	19:39:07
34	171231M1_34	ST171231M1-3 PFC CS3 17L2611	31-Dec-17	19:50:18
35	171231M1_35	IPA	31-Dec-17	20:01:29

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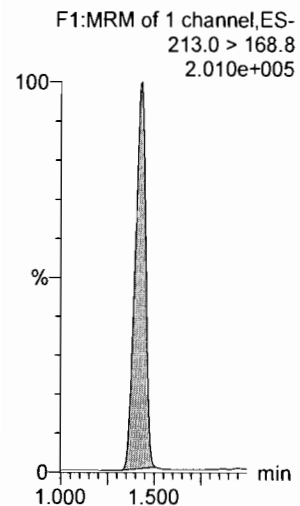
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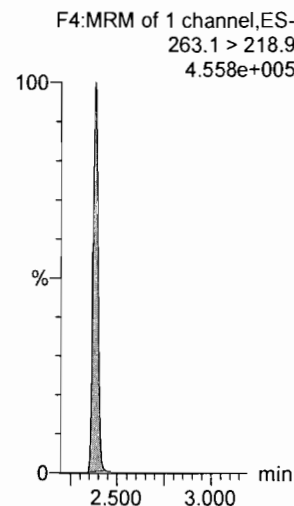
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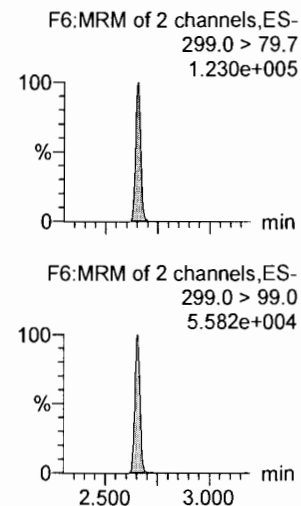
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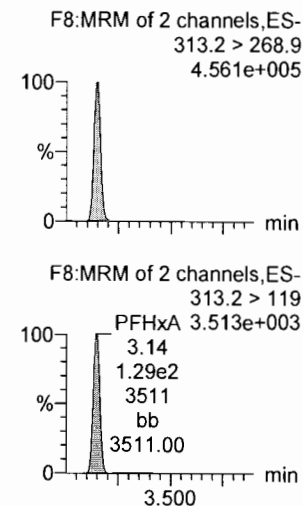
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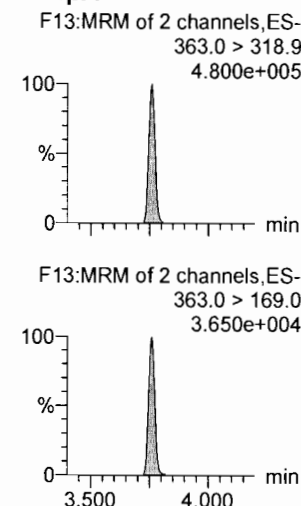
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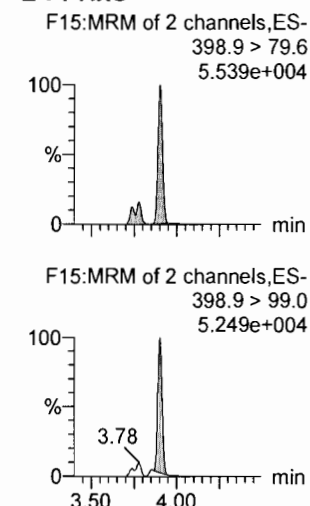
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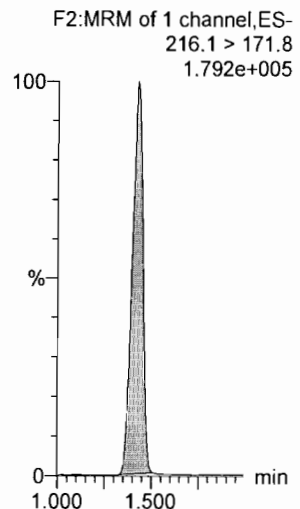
PFHpA



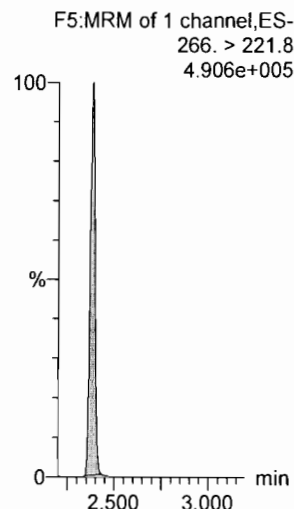
L-PFHxS



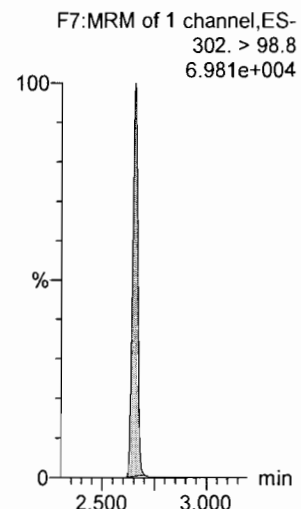
13C3-PFBA



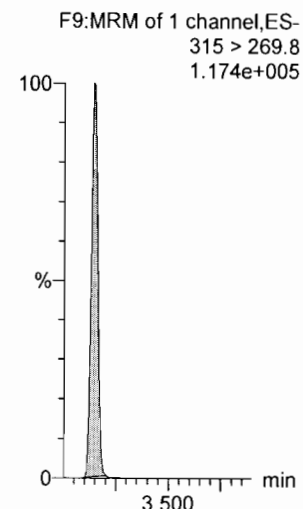
13C3-PFPeA



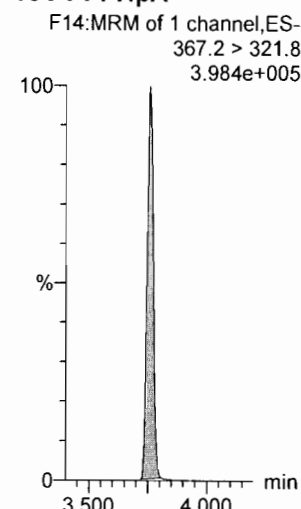
13C3-PFBS



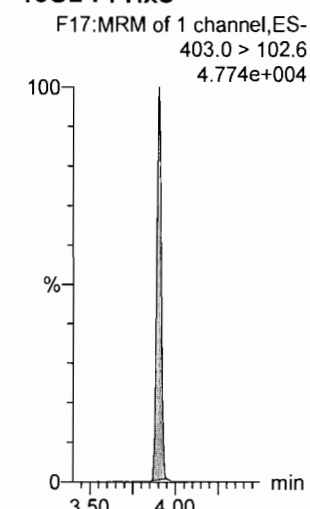
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13C4-PFHpA



18O2-PFHxS



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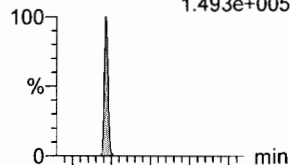
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Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

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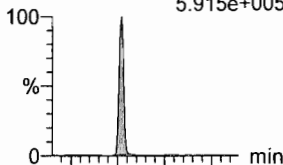
6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.493e+005



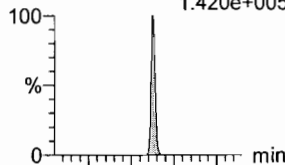
L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
5.915e+005



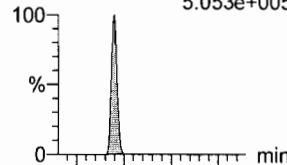
PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.420e+005



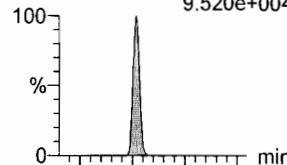
PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
5.053e+005



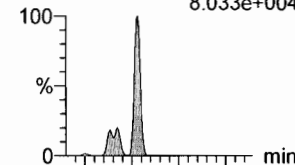
PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
9.520e+004

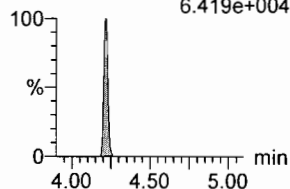


L-PFOS

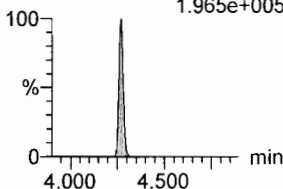
F29:MRM of 2 channels,ES-
499 > 79.9
8.033e+004



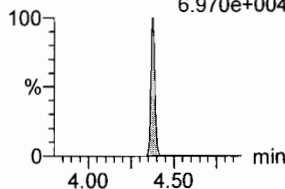
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427.1 > 80
6.419e+004



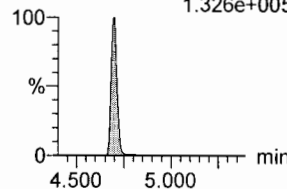
F18:MRM of 2 channels,ES-
413 > 169
1.965e+005



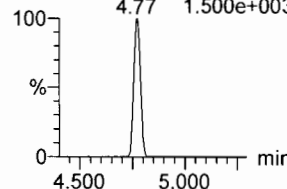
F23:MRM of 2 channels,ES-
449 > 98.7
6.970e+004



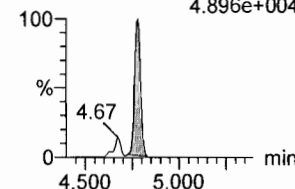
F24:MRM of 2 channels,ES-
463.0 > 219.0
1.326e+005



F27:MRM of 2 channels,ES-
498.1 > 478
1.500e+003

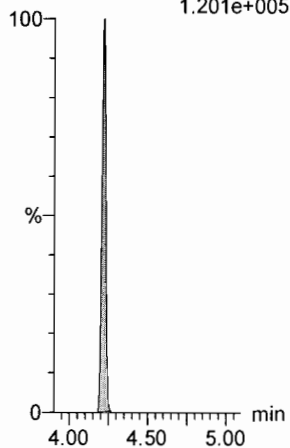


F29:MRM of 2 channels,ES-
499 > 99
4.896e+004



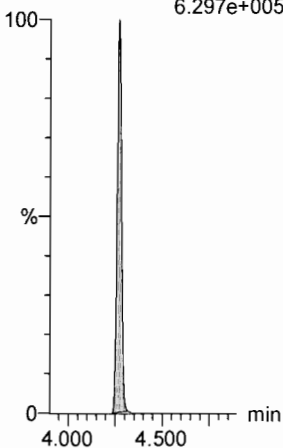
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.201e+005



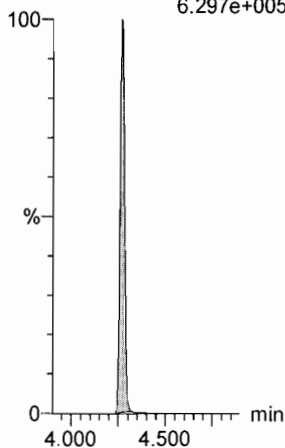
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
6.297e+005



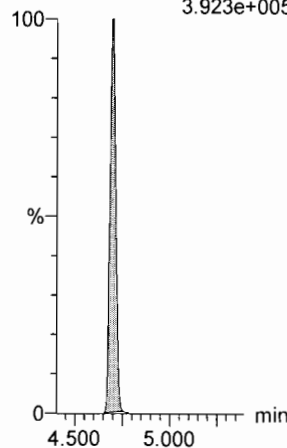
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
6.297e+005



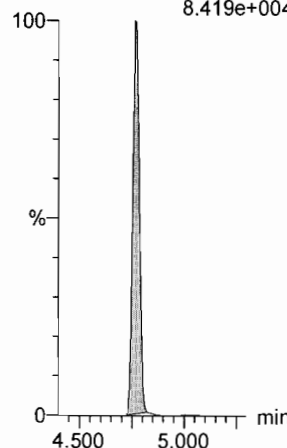
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
3.923e+005



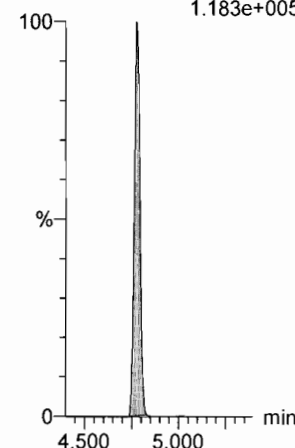
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.419e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.183e+005



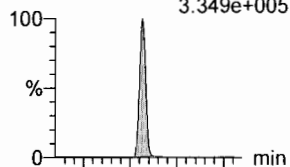
Dataset: U:\Q4.PRO\results\171231M1\171231M1-34.qld

Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

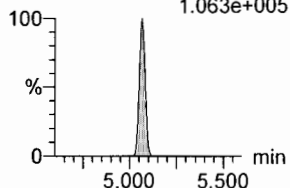
Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
3.349e+005

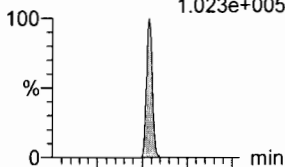


F34:MRM of 2 channels,ES-
513 > 219
1.063e+005

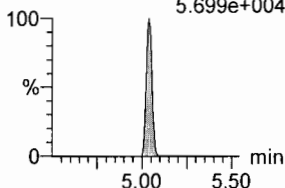


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
1.023e+005

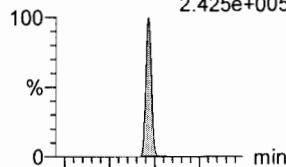


F39:MRM of 2 channels,ES-
527 > 80
5.699e+004

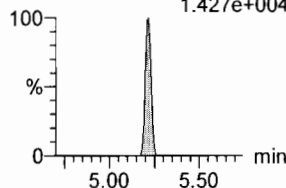


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.425e+005

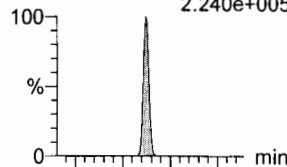


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.427e+004

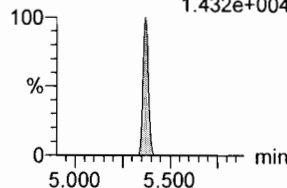


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.240e+005

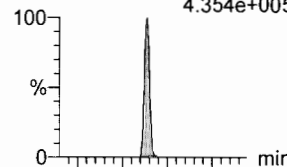


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.432e+004

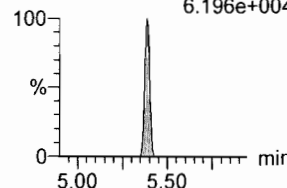


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.354e+005

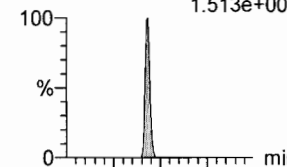


F42:MRM of 2 channels,ES-
563.0 > 269
6.196e+004

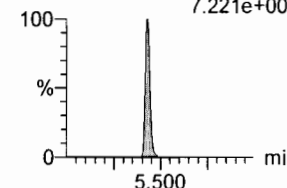


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.513e+005

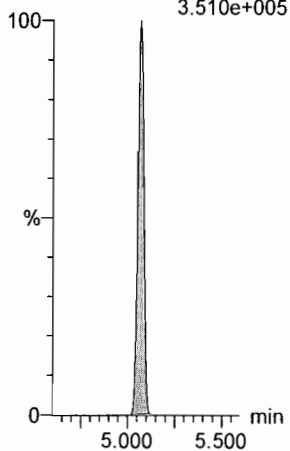


F49:MRM of 2 channels,ES-
598.8 > 98.7
7.221e+004



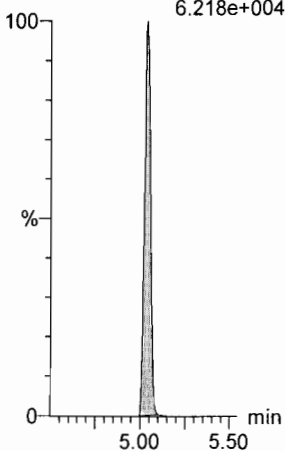
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.510e+005



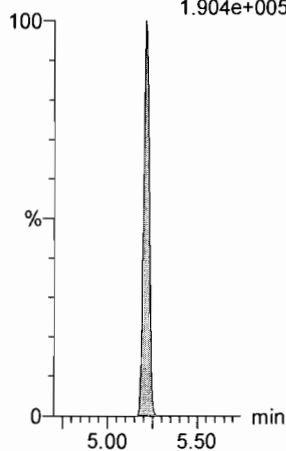
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.218e+004



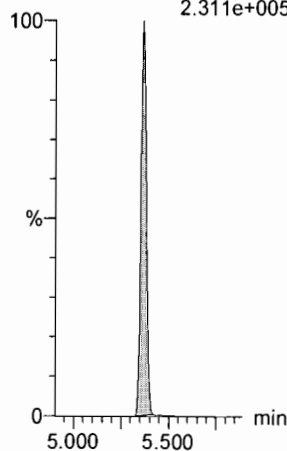
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.904e+005



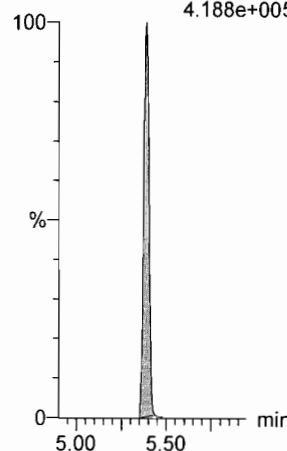
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.311e+005



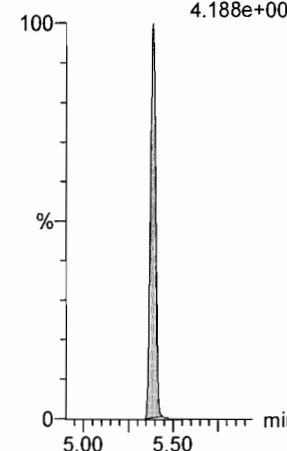
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.188e+005



13C2-PFUdA

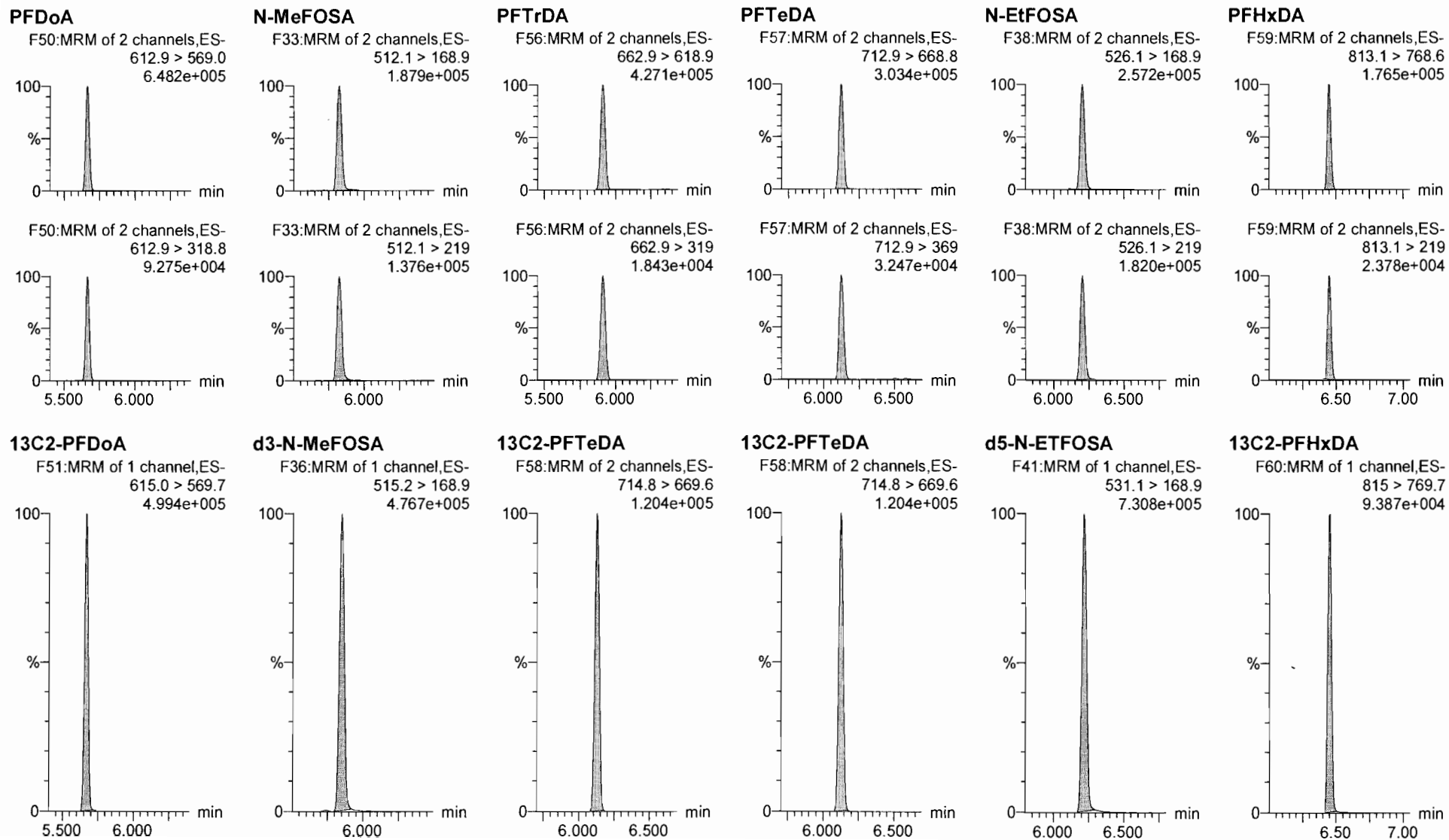
F43:MRM of 1 channel,ES-
565 > 519.8
4.188e+005



Dataset: U:\Q4.PRO\results\171231M1\171231M1-34.qld

Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time
Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611



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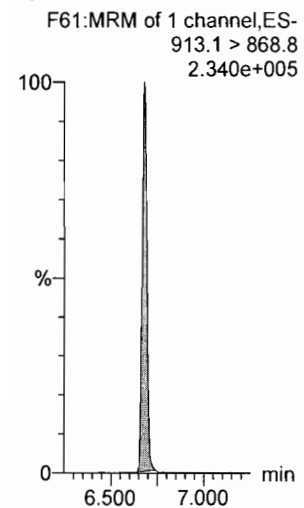
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Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time

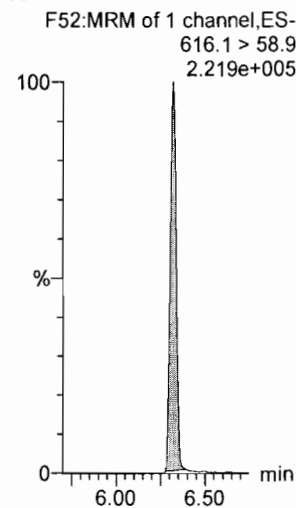
Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

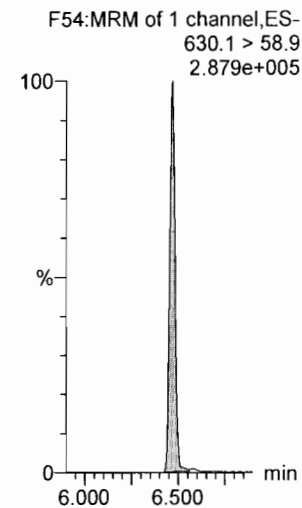
PFODA



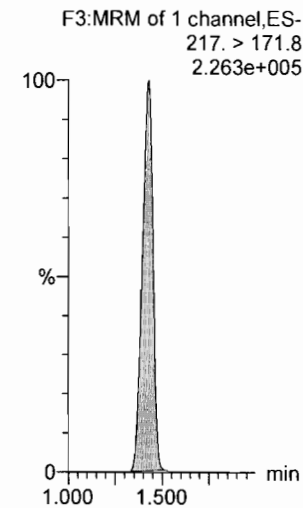
N-MeFOSE



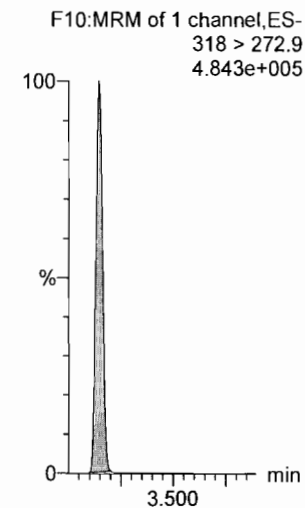
N-EtFOSE



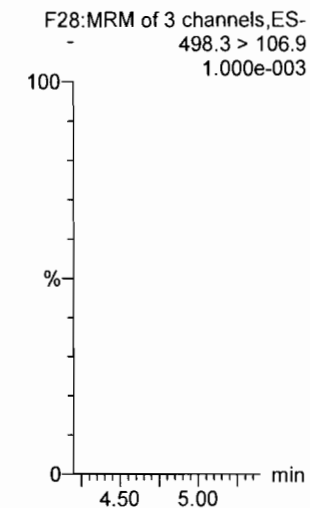
13C4-PFBA



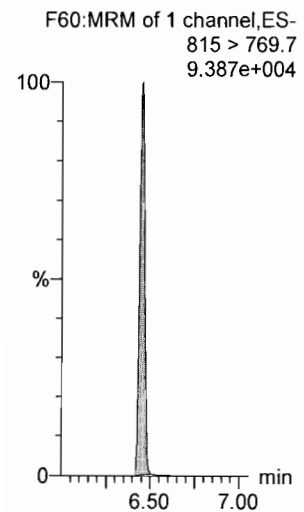
13C5-PFHxA



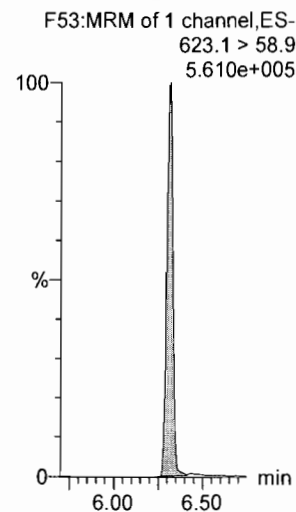
TCDA



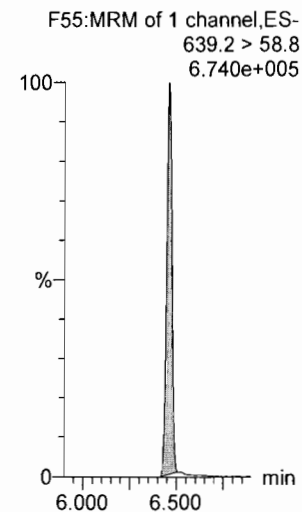
13C2-PFHxDA



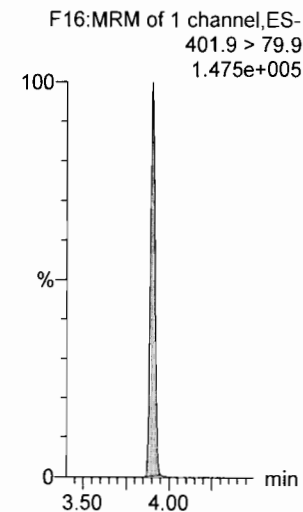
d7-N-MeFOSE



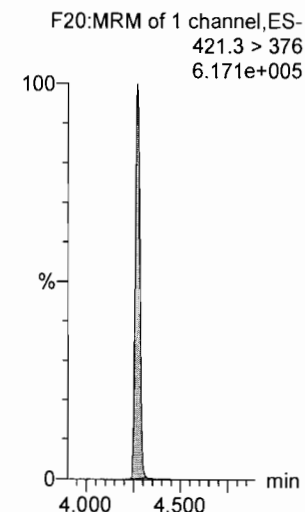
d9-N-EtFOSE



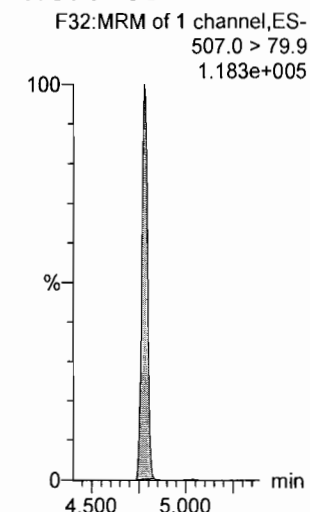
13C3-PFHxS



13C8-PFOA



13C8-PFOS



Dataset: U:\Q4.PRO\results\171231M1\171231M1-34.qld

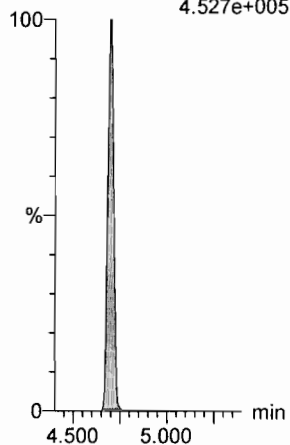
Last Altered: Tuesday, January 02, 2018 17:40:30 Pacific Standard Time

Printed: Tuesday, January 02, 2018 17:40:52 Pacific Standard Time

Name: 171231M1_34, Date: 31-Dec-2017, Time: 19:50:18, ID: ST171231M1-3 PFC CS3 17L2611, Description: PFC CS3 17L2611

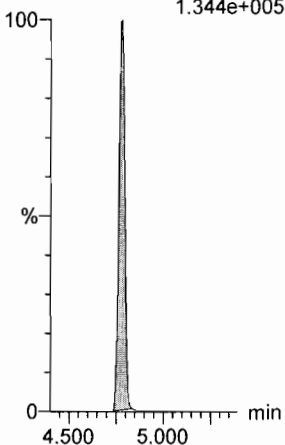
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.527e+005



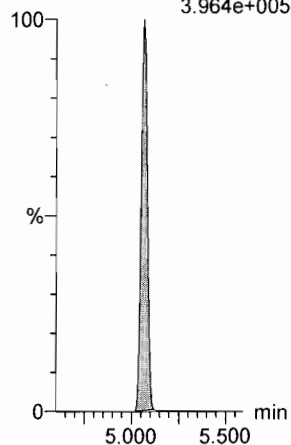
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.344e+005



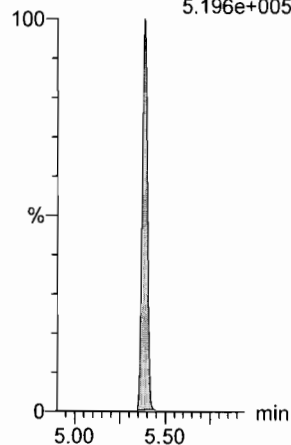
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.964e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.196e+005



INITIAL CALIBRATION (ICAL)
INCLUDING ASSOCIATED
INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 16:04:07 Pacific Standard Time

Printed: Friday, December 29, 2017 16:06:54 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122717.mdb 29 Dec 2017 11:28:58

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Compound name: PFBA

Correlation coefficient: $r = 0.999642$, $r^2 = 0.999283$

Calibration curve: $1.37088 * x + -0.0691704$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

AC
12/29/17

✓JA- 12/29/2017

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	1.40	203.083	8904.588	0.285	0.3	3.4	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	1.40	379.981	9984.899	0.476	0.4	-20.5	NO	0.999	NO	db
3	3 171229M2_4	Standard	1.000	1.41	955.540	9468.932	1.261	1.0	-2.9	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	1.40	2103.677	10485.881	2.508	1.9	-6.0	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	1.40	5282.352	9617.440	6.866	5.1	1.2	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	1.40	11461.131	10147.202	14.119	10.3	3.5	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	1.40	56432.824	10018.672	70.410	51.4	2.8	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	1.40	101946.633	9449.357	134.859	98.4	-1.6	NO	0.999	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.999696$, $r^2 = 0.999391$

Calibration curve: $1.19449 * x + -0.0389932$

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	1 171229M2_2	Standard	0.250	2.35	265.946	10303.608	0.323	0.3	21.1	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	2.35	545.145	11963.811	0.570	0.5	1.9	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	2.36	964.432	11397.529	1.058	0.9	-8.2	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	2.35	2111.940	12774.396	2.067	1.8	-11.9	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	2.36	5688.785	12100.899	5.876	5.0	-1.0	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	2.36	11905.028	12664.979	11.750	9.9	-1.3	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	2.36	58060.059	12439.228	58.344	48.9	-2.2	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	2.35	108102.617	11142.673	121.271	101.6	1.6	NO	0.999	NO	bb

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Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 16:04:07 Pacific Standard Time

Printed: Friday, December 29, 2017 16:06:54 Pacific Standard Time

Compound name: PFBSCorrelation coefficient: $r = 0.999500$, $r^2 = 0.999001$ Calibration curve: $2.16257 * x + -0.0590175$

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	1 171229M2_2	Standard	0.250	2.63	62.026	1558.021	0.498	0.3	3.0	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	2.63	152.137	1616.337	1.177	0.6	14.3	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	2.63	252.478	1539.314	2.050	1.0	-2.5	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	2.63	479.775	1659.784	3.613	1.7	-15.1	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	2.63	1383.079	1591.105	10.866	5.1	1.0	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	2.63	2621.392	1504.048	21.786	10.1	1.0	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	2.63	13557.104	1627.218	104.143	48.2	-3.6	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	2.63	27388.484	1553.847	220.328	101.9	1.9	NO	0.999	NO	bb

Compound name: PFHxACorrelation coefficient: $r = 0.999421$, $r^2 = 0.998842$ Calibration curve: $1.87128 * x + -0.0343505$

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	1 171229M2_2	Standard	0.250	3.12	350.182	3513.841	0.498	0.3	13.9	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	3.12	675.696	4036.555	0.837	0.5	-6.9	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	3.12	1089.318	3698.728	1.473	0.8	-19.5	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	3.12	2680.715	3464.033	3.869	2.1	4.3	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	3.12	6861.220	3759.616	9.125	4.9	-2.1	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	3.12	15657.951	3763.830	20.801	11.1	11.3	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	3.12	73381.172	3933.006	93.289	49.9	-0.3	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	3.12	137598.078	3706.605	185.612	99.2	-0.8	NO	0.999	NO	bb

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 16:04:07 Pacific Standard Time

Printed: Friday, December 29, 2017 16:06:54 Pacific Standard Time

Compound name: PFHpACorrelation coefficient: $r = 0.999428$, $r^2 = 0.998856$ Calibration curve: $1.58151 * x + -0.0944503$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	3.74	202.101	8907.467	0.284	0.2	-4.4	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	3.74	594.596	9815.644	0.757	0.5	7.7	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	3.73	1098.379	8838.820	1.553	1.0	4.2	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	3.74	2238.531	10366.868	2.699	1.8	-11.7	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	3.74	6362.017	9360.222	8.496	5.4	8.6	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	3.74	12309.141	10473.959	14.690	9.3	-6.5	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	3.74	60958.422	9336.860	81.610	51.7	3.3	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	3.74	117741.930	9432.322	156.035	98.7	-1.3	NO	0.999	NO	bb

Compound name: L-PFHxSCorrelation coefficient: $r = 0.999540$, $r^2 = 0.999081$ Calibration curve: $2.12712 * x + -0.0697927$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	3.89	47.271	1144.698	0.516	0.3	10.2	NO	0.999	NO	MM
2	2 171229M2_3	Standard	0.500	3.88	108.905	1280.945	1.063	0.5	6.5	NO	0.999	NO	MM
3	3 171229M2_4	Standard	1.000	3.88	168.136	1074.276	1.956	1.0	-4.7	NO	0.999	NO	MM
4	4 171229M2_5	Standard	2.000	3.89	418.823	1469.055	3.564	1.7	-14.6	NO	0.999	NO	MM
5	5 171229M2_6	Standard	5.000	3.88	1102.041	1196.888	11.509	5.4	8.9	NO	0.999	NO	MM
6	6 171229M2_7	Standard	10.000	3.89	2211.804	1407.185	19.647	9.3	-7.3	NO	0.999	NO	MM
7	7 171229M2_8	Standard	50.000	3.88	10720.032	1247.672	107.400	50.5	1.0	NO	0.999	NO	MM
8	8 171229M2_9	Standard	100.000	3.89	19606.227	1152.019	212.738	100.0	0.0	NO	0.999	NO	MM

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Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.995124$

Calibration curve: $0.000489747 * x^2 + 0.24128 * x + 0.0169506$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	4.19	75.243	13054.395	0.072	0.2	-8.7	NO	0.995	NO	bb
2	2 171229M2_3	Standard	0.500	4.19	147.079	14310.572	0.128	0.5	-7.6	NO	0.995	NO	bb
3	3 171229M2_4	Standard	1.000	4.19	250.888	12549.276	0.250	1.0	-3.6	NO	0.995	NO	bb
4	4 171229M2_5	Standard	2.000	4.20	547.291	15995.349	0.428	1.7	-15.2	NO	0.995	NO	bb
5	5 171229M2_6	Standard	5.000	4.19	1674.288	13236.790	1.581	6.4	28.0	NO	0.995	NO	bb
6	6 171229M2_7	Standard	10.000	4.19	3311.861	14776.837	2.802	11.3	12.8	NO	0.995	NO	bb
7	7 171229M2_8	Standard	50.000	4.19	14577.188	14864.127	12.259	46.4	-7.3	NO	0.995	NO	bb
8	8 171229M2_9	Standard	100.000	4.19	30013.492	12709.908	29.518	101.4	1.4	NO	0.995	NO	bb

Compound name: L-PFOA

Correlation coefficient: $r = 0.999271$, $r^2 = 0.998543$

Calibration curve: $1.19548 * x + 0.228921$

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 171229M2_2	Standard	0.250	4.25	623.100	13054.395	0.597	0.3	23.0	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	4.24	970.341	14310.572	0.848	0.5	3.5	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	4.25	1327.619	12549.276	1.322	0.9	-8.5	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	4.25	2816.831	15995.349	2.201	1.6	-17.5	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	4.25	6294.915	13236.790	5.945	4.8	-4.4	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	4.25	15220.946	14776.837	12.876	10.6	5.8	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	4.25	68644.867	14864.127	57.727	48.1	-3.8	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	4.25	124103.242	12709.908	122.054	101.9	1.9	NO	0.999	NO	bb

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Compound name: PFHpSCoefficient of Determination: $R^2 = 0.996923$ Calibration curve: $0.000286563 * x^2 + 0.246658 * x + 0.015286$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	4.35	66.782	13054.395	0.064	0.2	-21.1	NO	0.997	NO	bb
2	2 171229M2_3	Standard	0.500	4.36	168.818	14310.572	0.147	0.5	7.1	NO	0.997	NO	bb
3	3 171229M2_4	Standard	1.000	4.36	252.970	12549.276	0.252	1.0	-4.1	NO	0.997	NO	bb
4	4 171229M2_5	Standard	2.000	4.36	607.702	15995.349	0.475	1.9	-7.0	NO	0.997	NO	bb
5	5 171229M2_6	Standard	5.000	4.36	1590.250	13236.790	1.502	6.0	19.7	NO	0.997	NO	bb
6	6 171229M2_7	Standard	10.000	4.36	3274.734	14776.837	2.770	11.0	10.3	NO	0.997	NO	bb
7	7 171229M2_8	Standard	50.000	4.36	14539.520	14864.127	12.227	46.9	-6.1	NO	0.997	NO	bb
8	8 171229M2_9	Standard	100.000	4.36	28397.074	12709.908	27.928	101.3	1.3	NO	0.997	NO	bb

Compound name: PFNACoefficient of Determination: $R^2 = 0.997989$ Calibration curve: $-0.00101357 * x^2 + 1.56335 * x + -0.000922713$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	4.68	376.448	9559.854	0.492	0.3	26.2	NO	0.998	NO	bb
2	2 171229M2_3	Standard	0.500	4.68	656.091	11886.128	0.690	0.4	-11.6	NO	0.998	NO	bb
3	3 171229M2_4	Standard	1.000	4.68	1326.133	10985.445	1.509	1.0	-3.4	NO	0.998	NO	bb
4	4 171229M2_5	Standard	2.000	4.68	2590.874	11245.406	2.880	1.8	-7.8	NO	0.998	NO	bb
5	5 171229M2_6	Standard	5.000	4.68	7038.520	10698.335	8.224	5.3	5.6	NO	0.998	NO	bb
6	6 171229M2_7	Standard	10.000	4.68	13863.008	12722.333	13.621	8.8	-12.4	NO	0.998	NO	bb
7	7 171229M2_8	Standard	50.000	4.68	63810.574	10121.980	78.802	52.2	4.3	NO	0.998	NO	bb
8	8 171229M2_9	Standard	100.000	4.68	127829.383	11035.840	144.789	99.0	-1.0	NO	0.998	NO	bb

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Compound name: PFOSACorrelation coefficient: $r = 0.999632$, $r^2 = 0.999264$ Calibration curve: $1.34133 * x + -0.0872836$

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 171229M2_2	Standard	0.250	4.74	49.790	2711.756	0.230	0.2	-5.5	NO	0.999	NO	MM
2	2 171229M2_3	Standard	0.500	4.74	177.518	3102.326	0.715	0.6	19.7	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	4.74	252.066	3049.030	1.033	0.8	-16.5	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	4.74	602.093	3142.559	2.395	1.9	-7.5	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	4.74	1470.173	2594.765	7.082	5.3	6.9	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	4.75	3202.764	2934.554	13.642	10.2	2.4	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	4.74	15490.584	2840.989	68.157	50.9	1.8	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	4.74	30231.414	2854.235	132.397	98.8	-1.2	NO	0.999	NO	bb

Compound name: L-PFOSCoefficient of Determination: $R^2 = 0.990401$ Calibration curve: $-0.00113144 * x^2 + 1.36155 * x + -0.136077$

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 171229M2_2	Standard	0.250	4.76	59.486	3197.572	0.233	0.3	8.3	NO	0.990	NO	MM
2	2 171229M2_3	Standard	0.500	4.76	168.210	3759.751	0.559	0.5	2.2	NO	0.990	NO	MM
3	3 171229M2_4	Standard	1.000	4.76	310.262	3437.048	1.128	0.9	-7.1	NO	0.990	NO	MM
4	4 171229M2_5	Standard	2.000	4.76	650.569	3679.354	2.210	1.7	-13.7	NO	0.990	NO	MM
5	5 171229M2_6	Standard	5.000	4.76	1422.476	3383.786	5.255	4.0	-20.6	NO	0.990	NO	MM
6	6 171229M2_7	Standard	10.000	4.76	3144.695	3618.413	10.864	8.1	-18.7	NO	0.990	NO	MM
7	7 171229M2_8	Standard	50.000	4.76	17382.598	2972.808	73.090	56.4	12.9	NO	0.990	NO	MM
8	8 171229M2_9	Standard	100.000	4.76	33925.844	3503.462	121.044	96.8	-3.2	NO	0.990	NO	MM

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Compound name: PFDA

Coefficient of Determination: $R^2 = 0.998686$

Calibration curve: $0.00134624 * x^2 + 1.49368 * x + -0.0435348$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	5.04	264.860	9787.770	0.338	0.3	2.2	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	5.04	697.920	13313.300	0.655	0.5	-6.5	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	5.05	1510.254	11579.593	1.630	1.1	11.9	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	5.05	2157.441	10793.412	2.499	1.7	-15.0	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	5.05	6589.435	11236.213	7.331	4.9	-1.7	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	5.05	16440.434	12281.298	16.733	11.1	11.2	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	5.04	54934.242	9060.415	75.789	48.6	-2.7	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	5.05	143479.094	10953.324	163.739	100.5	0.5	NO	0.999	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998718$

Calibration curve: $0.00142024 * x^2 + 0.296775 * x + -0.0229517$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	5.02	57.565	9787.770	0.074	0.3	29.8	NO	0.999	NO	MM
2	2 171229M2_3	Standard	0.500	5.02	123.106	13313.300	0.116	0.5	-6.8	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	5.02	178.003	11579.593	0.192	0.7	-27.8	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	5.02	497.074	10793.412	0.576	2.0	-0.1	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	5.02	1411.300	11236.213	1.570	5.2	4.7	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	5.02	3037.472	12281.298	3.092	10.0	0.1	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	5.02	13307.744	9060.415	18.360	50.0	-0.0	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	5.02	28544.467	10953.324	32.575	79.6	-20.4	NO	0.999	NO	bbX

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Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.998636$

Calibration curve: $0.000145261 * x^2 + 1.66875 * x + -0.0626511$

Response type: Internal Std (Ref 44), 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 171229M2_2	Standard	0.250	5.20	144.439	5085.497	0.355	0.3	0.1	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	5.20	346.408	6075.852	0.713	0.5	-7.1	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	5.20	615.319	5465.513	1.407	0.9	-11.9	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	5.20	1596.097	6024.812	3.312	2.0	1.1	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	5.20	3357.144	5469.510	7.672	4.6	-7.3	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	5.20	8000.172	5362.439	18.649	11.2	12.0	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	5.20	37904.684	5797.623	81.725	48.8	-2.4	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	5.20	71340.836	5273.478	169.103	100.5	0.5	NO	0.999	NO	bb

Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999635$

Calibration curve: $-0.000224178 * x^2 + 1.34483 * x + -0.0879337$

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 171229M2_2	Standard	0.250	5.35	100.624	6335.104	0.199	0.2	-14.8	NO	1.000	NO	bb
2	2 171229M2_3	Standard	0.500	5.35	287.867	6832.871	0.527	0.5	-8.6	NO	1.000	NO	bb
3	3 171229M2_4	Standard	1.000	5.35	529.499	6085.677	1.088	0.9	-12.6	NO	1.000	NO	bb
4	4 171229M2_5	Standard	2.000	5.35	1587.899	6995.571	2.837	2.2	8.8	NO	1.000	NO	bb
5	5 171229M2_6	Standard	5.000	5.35	3530.072	6601.813	6.684	5.0	0.8	NO	1.000	NO	bb
6	6 171229M2_7	Standard	10.000	5.35	7551.377	7053.357	13.383	10.0	0.3	NO	1.000	NO	bb
7	7 171229M2_8	Standard	50.000	5.35	32249.033	6062.098	66.497	49.9	-0.1	NO	1.000	NO	bb
8	8 171229M2_9	Standard	100.000	5.35	56977.098	5387.725	132.192	100.0	0.0	NO	1.000	NO	bb

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Compound name: PFUdACoefficient of Determination: $R^2 = 0.999185$ Calibration curve: $0.00400691 * x^2 + 1.19417 * x + 0.0119652$

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 171229M2_2	Standard	0.250	5.36	352.251	12200.924	0.361	0.3	16.8	NO	0.999	NO	MM
2	2 171229M2_3	Standard	0.500	5.36	591.197	13014.458	0.568	0.5	-7.0	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	5.37	1014.264	11054.450	1.147	0.9	-5.3	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	5.37	2260.135	13105.806	2.156	1.8	-10.8	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	5.36	6342.362	12129.378	6.536	5.4	7.3	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	5.37	14299.663	14621.663	12.225	9.9	-1.0	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	5.37	68892.594	12349.849	69.730	50.0	-0.0	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	5.37	113701.578	14387.557	98.785	67.4	-32.6	NO	0.999	NO	bbX

Compound name: PFDSCoefficient of Determination: $R^2 = 0.999749$ Calibration curve: $0.000948867 * x^2 + 0.345044 * x + 0.010668$

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 171229M2_2	Standard	0.250	5.41	80.006	12200.924	0.082	0.2	-17.4	NO	1.000	NO	bb
2	2 171229M2_3	Standard	0.500	5.41	211.902	13014.458	0.204	0.6	11.6	NO	1.000	NO	bb
3	3 171229M2_4	Standard	1.000	5.41	329.451	11054.450	0.373	1.0	4.6	NO	1.000	NO	bb
4	4 171229M2_5	Standard	2.000	5.41	756.411	13105.806	0.721	2.0	2.4	NO	1.000	NO	bb
5	5 171229M2_6	Standard	5.000	5.41	1707.430	12129.378	1.760	5.0	-0.0	NO	1.000	NO	bb
6	6 171229M2_7	Standard	10.000	5.41	4105.881	14621.663	3.510	9.9	-1.3	NO	1.000	NO	bb
7	7 171229M2_8	Standard	50.000	5.41	19407.148	12349.849	19.643	50.0	0.0	NO	1.000	NO	bb
8	8 171229M2_9	Standard	100.000	5.42	32172.121	14387.557	27.951	68.2	-31.8	NO	1.000	NO	bbX

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Compound name: PFDaA

Coefficient of Determination: $R^2 = 0.999669$

Calibration curve: $0.00495795 * x^2 + 2.08516 * x + -0.00338272$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	5.65	370.890	8043.755	0.576	0.3	11.1	NO	1.000	NO	bb
2	2 171229M2_3	Standard	0.500	5.65	729.228	9002.822	1.012	0.5	-2.7	NO	1.000	NO	bb
3	3 171229M2_4	Standard	1.000	5.65	1390.614	9574.130	1.816	0.9	-12.9	NO	1.000	NO	bb
4	4 171229M2_5	Standard	2.000	5.65	3035.353	8821.307	4.301	2.1	2.7	NO	1.000	NO	bb
5	5 171229M2_6	Standard	5.000	5.65	7252.884	8400.495	10.792	5.1	2.3	NO	1.000	NO	bb
6	6 171229M2_7	Standard	10.000	5.65	16908.895	9958.397	21.224	9.9	-0.5	NO	1.000	NO	bb
7	7 171229M2_8	Standard	50.000	5.65	82767.836	8869.276	116.650	50.0	0.0	NO	1.000	NO	bb
8	8 171229M2_9	Standard	100.000	5.65	133277.297	7321.213	227.553	89.9	-10.1	NO	1.000	NO	bbX

Compound name: N-MeFOSA

Correlation coefficient: $r = 0.999575$, $r^2 = 0.999151$

Calibration curve: $1.1137 * x + -0.0420228$

Response type: Internal Std (Ref 48), 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 171229M2_2	Standard	1.250	5.79	139.498	15269.275	1.370	1.3	1.5	NO	0.999	NO	bb
2	2 171229M2_3	Standard	2.500	5.79	272.447	16568.037	2.467	2.3	-9.9	NO	0.999	NO	bb
3	3 171229M2_4	Standard	5.000	5.79	611.306	16161.567	5.674	5.1	2.6	NO	0.999	NO	bb
4	4 171229M2_5	Standard	10.000	5.79	1167.968	17375.629	10.083	9.1	-9.1	NO	0.999	NO	bb
5	5 171229M2_6	Standard	25.000	5.79	3164.595	16523.939	28.727	25.8	3.3	NO	0.999	NO	bb
6	6 171229M2_7	Standard	50.000	5.79	6869.791	17052.381	60.430	54.3	8.6	NO	0.999	NO	bb
7	7 171229M2_8	Standard	250.000	5.79	33022.855	17525.244	282.645	253.8	1.5	NO	0.999	NO	bb
8	8 171229M2_9	Standard	500.000	5.79	60258.223	16495.586	547.949	492.0	-1.6	NO	0.999	NO	bb

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Compound name: PFTTrDA

Correlation coefficient: $r = 0.997052$, $r^2 = 0.994114$

Calibration curve: $1.7339 * x + 0.0945455$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	5.89	282.867	8043.755	0.440	0.2	-20.4	NO	0.994	NO	bb
2	2 171229M2_3	Standard	0.500	5.89	729.105	9002.822	1.012	0.5	5.9	NO	0.994	NO	bb
3	3 171229M2_4	Standard	1.000	5.89	1436.530	9574.130	1.876	1.0	2.7	NO	0.994	NO	bb
4	4 171229M2_5	Standard	2.000	5.89	2986.740	8821.307	4.232	2.4	19.3	NO	0.994	NO	bb
5	5 171229M2_6	Standard	5.000	5.89	6268.928	8400.495	9.328	5.3	6.5	NO	0.994	NO	bb
6	6 171229M2_7	Standard	10.000	5.89	11719.059	9958.397	14.710	8.4	-15.7	NO	0.994	NO	bb
7	7 171229M2_8	Standard	50.000	5.89	62631.121	8869.276	88.270	50.9	1.7	NO	0.994	NO	bb
8	8 171229M2_9	Standard	100.000	5.89	139096.016	7321.213	237.488	136.9	36.9	NO	0.994	NO	bbX

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.992136$

Calibration curve: $-0.0140955 * x^2 + 3.56538 * x + -0.690853$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	0.250	6.11	244.810	2829.090	1.082	0.5	99.3	NO	0.992	NO	bbX
2	2 171229M2_3	Standard	0.500	6.11	367.674	2958.684	1.553	0.6	26.2	NO	0.992	NO	bb
3	3 171229M2_4	Standard	1.000	6.11	509.214	2615.306	2.434	0.9	-12.1	NO	0.992	NO	bb
4	4 171229M2_5	Standard	2.000	6.11	1326.894	3232.627	5.131	1.6	-17.8	NO	0.992	NO	bb
5	5 171229M2_6	Standard	5.000	6.11	3081.166	2664.266	14.456	4.3	-13.6	NO	0.992	NO	bb
6	6 171229M2_7	Standard	10.000	6.11	7154.924	2219.846	40.290	12.1	20.7	NO	0.992	NO	bb
7	7 171229M2_8	Standard	50.000	6.11	29792.066	2718.020	137.012	47.6	-4.9	NO	0.992	NO	bb
8	8 171229M2_9	Standard	100.000	6.11	54455.273	3136.443	217.026	103.0	3.0	NO	0.992	NO	db

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Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999388$

Calibration curve: $7.91091e-005 * x^2 + 0.999512 * x + -0.30824$

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 171229M2_2	Standard	1.250	6.18	164.125	23839.549	1.033	1.3	7.3	NO	0.999	NO	bb
2	2 171229M2_3	Standard	2.500	6.18	385.344	26388.232	2.190	2.5	-0.0	NO	0.999	NO	bb
3	3 171229M2_4	Standard	5.000	6.18	692.366	24893.941	4.172	4.5	-10.4	NO	0.999	NO	bb
4	4 171229M2_5	Standard	10.000	6.18	1595.581	26004.342	9.204	9.5	-4.9	NO	0.999	NO	bb
5	5 171229M2_6	Standard	25.000	6.18	4264.833	25204.795	25.381	25.6	2.6	NO	0.999	NO	bb
6	6 171229M2_7	Standard	50.000	6.18	9001.179	25237.131	53.500	53.6	7.2	NO	0.999	NO	bb
7	7 171229M2_8	Standard	250.000	6.18	42323.582	25543.053	248.543	244.3	-2.3	NO	0.999	NO	bb
8	8 171229M2_9	Standard	500.000	6.18	80006.500	22997.896	521.829	502.4	0.5	NO	0.999	NO	bb

Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998957$

Calibration curve: $-0.00263936 * x^2 + 0.996705 * x + 0.0130421$

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 171229M2_2	Standard	0.250	6.44	152.043	2686.105	0.283	0.3	8.4	NO	0.999	NO	bb
2	2 171229M2_3	Standard	0.500	6.44	227.073	2563.167	0.443	0.4	-13.6	NO	0.999	NO	bb
3	3 171229M2_4	Standard	1.000	6.44	480.162	2352.455	1.021	1.0	1.4	NO	0.999	NO	bb
4	4 171229M2_5	Standard	2.000	6.44	1022.876	2540.338	2.013	2.0	0.9	NO	0.999	NO	bb
5	5 171229M2_6	Standard	5.000	6.44	2409.130	2528.023	4.765	4.8	-3.4	NO	0.999	NO	bb
6	6 171229M2_7	Standard	10.000	6.44	4359.802	2073.382	10.514	10.8	8.5	NO	0.999	NO	bb
7	7 171229M2_8	Standard	50.000	6.44	23275.369	2760.265	42.161	48.5	-3.0	NO	0.999	NO	bb
8	8 171229M2_9	Standard	100.000	6.44	33664.332	2281.944	73.762	101.0	1.0	NO	0.999	NO	bb

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Compound name: PFODACoefficient of Determination: $R^2 = 0.995499$ Calibration curve: $0.0585969 * x^2 + 0.831628 * x + 0.090875$

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 171229M2_2	Standard	0.250	6.67	146.344	2686.105	0.272	0.2	-14.0	NO	0.995	NO	bb
2	2 171229M2_3	Standard	0.500	6.67	288.885	2563.167	0.564	0.5	9.4	NO	0.995	NO	bb
3	3 171229M2_4	Standard	1.000	6.67	543.023	2352.455	1.154	1.2	18.0	NO	0.995	NO	bb
4	4 171229M2_5	Standard	2.000	6.67	829.352	2540.338	1.632	1.7	-17.0	NO	0.995	NO	bb
5	5 171229M2_6	Standard	5.000	6.67	3008.684	2528.023	5.951	5.2	3.3	NO	0.995	NO	bb
6	6 171229M2_7	Standard	10.000	6.67	5888.835	2073.382	14.201	10.0	-0.3	NO	0.995	NO	bb
7	7 171229M2_8	Standard	50.000	6.67	26019.475	2760.265	47.132	22.1	-55.8	NO	0.995	NO	bbX
8	8 171229M2_9	Standard	100.000	6.67	49081.063	2281.944	107.542	36.3	-63.7	NO	0.995	NO	bbX

Compound name: N-MeFOSECoefficient of Determination: $R^2 = 0.997660$ Calibration curve: $0.000615894 * x^2 + 1.25794 * x + -0.447176$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171229M2_2	Standard	1.250	6.32	190.467	20735.168	1.378	1.4	16.0	NO	0.998	NO	bb
2	2 171229M2_3	Standard	2.500	6.31	334.189	17093.148	2.933	2.7	7.3	NO	0.998	NO	bb
3	3 171229M2_4	Standard	5.000	6.31	700.139	18824.010	5.579	4.8	-4.4	NO	0.998	NO	bb
4	4 171229M2_5	Standard	10.000	6.31	1444.433	22545.748	9.610	8.0	-20.4	NO	0.998	NO	bb
5	5 171229M2_6	Standard	25.000	6.31	3471.863	17676.176	29.462	23.5	-6.0	NO	0.998	NO	bb
6	6 171229M2_7	Standard	50.000	6.32	7659.868	16652.568	68.997	53.8	7.6	NO	0.998	NO	bb
7	7 171229M2_8	Standard	250.000	6.31	35312.465	15055.310	351.827	249.6	-0.2	NO	0.998	NO	bd
8	8 171229M2_9	Standard	500.000	6.31	68630.867	19010.402	541.526	365.5	-26.9	NO	0.998	NO	bbX

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Compound name: N-EtFOSE

Correlation coefficient: $r = 0.998071$, $r^2 = 0.996146$

Calibration curve: $1.22487 * x + 0.0980341$

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 171229M2_2	Standard	1.250	6.46	162.695	17500.215	1.395	1.1	-15.3	NO	0.996	NO	bb
2	2 171229M2_3	Standard	2.500	6.46	450.188	20684.432	3.265	2.6	3.4	NO	0.996	NO	bb
3	3 171229M2_4	Standard	5.000	6.46	767.502	19115.492	6.023	4.8	-3.3	NO	0.996	NO	bb
4	4 171229M2_5	Standard	10.000	6.46	1577.034	19684.930	12.017	9.7	-2.7	NO	0.996	NO	bb
5	5 171229M2_6	Standard	25.000	6.46	4054.844	19050.596	31.927	26.0	3.9	NO	0.996	NO	bb
6	6 171229M2_7	Standard	50.000	6.46	8714.649	19081.916	68.505	55.8	11.7	NO	0.996	NO	bb
7	7 171229M2_8	Standard	250.000	6.46	45602.363	20876.885	327.652	267.4	7.0	NO	0.996	NO	bb
8	8 171229M2_9	Standard	500.000	6.46	85404.250	21955.451	583.483	476.3	-4.7	NO	0.996	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.783363

RRF SD: 0.0236111, Relative SD: 3.01407

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 171229M2_2	Standard	12.500	1.40	8904.588	11498.604	9.680	12.4	-1.1	NO		NO	bb
2	2 171229M2_3	Standard	12.500	1.40	9984.899	12720.032	9.812	12.5	0.2	NO		NO	bb
3	3 171229M2_4	Standard	12.500	1.40	9468.932	12042.461	9.829	12.5	0.4	NO		NO	bb
4	4 171229M2_5	Standard	12.500	1.40	10485.881	13073.530	10.026	12.8	2.4	NO		NO	bb
5	5 171229M2_6	Standard	12.500	1.40	9617.440	12883.391	9.331	11.9	-4.7	NO		NO	bb
6	6 171229M2_7	Standard	12.500	1.40	10147.202	12893.346	9.838	12.6	0.5	NO		NO	bb
7	7 171229M2_8	Standard	12.500	1.40	10018.672	13149.171	9.524	12.2	-2.7	NO		NO	bb
8	8 171229M2_9	Standard	12.500	1.40	9449.357	11471.483	10.297	13.1	5.2	NO		NO	bb

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Compound name: 13C3-PFPeA

Response Factor: 0.806685

RRF SD: 0.0738036, Relative SD: 9.149

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 171229M2_2	Standard	12.500	2.35	10303.608	13026.970	9.887	12.3	-2.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	2.35	11963.811	14686.001	10.183	12.6	1.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	2.35	11397.529	13082.247	10.890	13.5	8.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	2.35	12774.396	13423.668	11.895	14.7	18.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	2.36	12100.899	15886.118	9.522	11.8	-5.6	NO		NO	bb
6	6 171229M2_7	Standard	12.500	2.35	12664.979	16032.948	9.874	12.2	-2.1	NO		NO	bb
7	7 171229M2_8	Standard	12.500	2.35	12439.228	16516.043	9.415	11.7	-6.6	NO		NO	bb
8	8 171229M2_9	Standard	12.500	2.36	11142.673	15471.245	9.003	11.2	-10.7	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.107987

RRF SD: 0.0112562, Relative SD: 10.4236

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 171229M2_2	Standard	12.500	2.63	1558.021	13026.970	1.495	13.8	10.8	NO		NO	bb
2	2 171229M2_3	Standard	12.500	2.63	1616.337	14686.001	1.376	12.7	1.9	NO		NO	bb
3	3 171229M2_4	Standard	12.500	2.63	1539.314	13082.247	1.471	13.6	9.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	2.63	1659.784	13423.668	1.546	14.3	14.5	NO		NO	bb
5	5 171229M2_6	Standard	12.500	2.63	1591.105	15886.118	1.252	11.6	-7.3	NO		NO	bb
6	6 171229M2_7	Standard	12.500	2.63	1504.048	16032.948	1.173	10.9	-13.1	NO		NO	bb
7	7 171229M2_8	Standard	12.500	2.63	1627.218	16516.043	1.232	11.4	-8.8	NO		NO	bb
8	8 171229M2_9	Standard	12.500	2.63	1553.847	15471.245	1.255	11.6	-7.0	NO		NO	bb

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Compound name: 13C2-PFHxA

Response Factor: 0.635783

RRF SD: 0.0486821, Relative SD: 7.65703

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 171229M2_2	Standard	5.000	3.12	3513.841	13026.970	3.372	5.3	6.1	NO		NO	bb
2	2 171229M2_3	Standard	5.000	3.12	4036.555	14686.001	3.436	5.4	8.1	NO		NO	bb
3	3 171229M2_4	Standard	5.000	3.12	3698.728	13082.247	3.534	5.6	11.2	NO		NO	bb
4	4 171229M2_5	Standard	5.000	3.12	3464.033	13423.668	3.226	5.1	1.5	NO		NO	bb
5	5 171229M2_6	Standard	5.000	3.12	3759.616	15886.118	2.958	4.7	-6.9	NO		NO	bb
6	6 171229M2_7	Standard	5.000	3.12	3763.830	16032.948	2.934	4.6	-7.7	NO		NO	bb
7	7 171229M2_8	Standard	5.000	3.12	3933.006	16516.043	2.977	4.7	-6.4	NO		NO	bb
8	8 171229M2_9	Standard	5.000	3.12	3706.605	15471.245	2.995	4.7	-5.8	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.652191

RRF SD: 0.0649762, Relative SD: 9.96276

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 171229M2_2	Standard	12.500	3.73	8907.467	13026.970	8.547	13.1	4.8	NO		NO	bb
2	2 171229M2_3	Standard	12.500	3.73	9815.644	14686.001	8.355	12.8	2.5	NO		NO	bb
3	3 171229M2_4	Standard	12.500	3.73	8838.820	13082.247	8.445	12.9	3.6	NO		NO	bb
4	4 171229M2_5	Standard	12.500	3.74	10366.868	13423.668	9.654	14.8	18.4	NO		NO	bb
5	5 171229M2_6	Standard	12.500	3.74	9360.222	15886.118	7.365	11.3	-9.7	NO		NO	bb
6	6 171229M2_7	Standard	12.500	3.74	10473.959	16032.948	8.166	12.5	0.2	NO		NO	bb
7	7 171229M2_8	Standard	12.500	3.74	9336.860	16516.043	7.067	10.8	-13.3	NO		NO	bb
8	8 171229M2_9	Standard	12.500	3.74	9432.322	15471.245	7.621	11.7	-6.5	NO		NO	bb

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Compound name: 18O2-PFHxS

Response Factor: 0.320683

RRF SD: 0.0244918, Relative SD: 7.6374

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 171229M2_2	Standard	12.500	3.88	1144.698	3848.441	3.718	11.6	-7.2	NO		NO	bb
2	2 171229M2_3	Standard	12.500	3.88	1280.945	4238.235	3.778	11.8	-5.8	NO		NO	bb
3	3 171229M2_4	Standard	12.500	3.88	1074.276	3181.425	4.221	13.2	5.3	NO		NO	bb
4	4 171229M2_5	Standard	12.500	3.89	1469.055	4267.268	4.303	13.4	7.4	NO		NO	bb
5	5 171229M2_6	Standard	12.500	3.88	1196.888	4034.508	3.708	11.6	-7.5	NO		NO	bb
6	6 171229M2_7	Standard	12.500	3.88	1407.185	3881.957	4.531	14.1	13.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	3.88	1247.672	4023.275	3.876	12.1	-3.3	NO		NO	bb
8	8 171229M2_9	Standard	12.500	3.88	1152.019	3662.087	3.932	12.3	-1.9	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.192047

RRF SD: 0.0252793, Relative SD: 13.1631

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 171229M2_2	Standard	12.500	4.19	2316.373	15049.458	1.924	10.0	-19.9	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.19	2801.986	14379.889	2.436	12.7	1.5	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.19	2589.695	13387.784	2.418	12.6	0.7	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.19	2823.740	16520.527	2.137	11.1	-11.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.19	2811.475	15029.971	2.338	12.2	-2.6	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.19	3213.473	14938.239	2.689	14.0	12.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.19	3501.672	15289.608	2.863	14.9	19.3	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.19	4072.249	13438.497	3.788	19.7	57.8	NO		NO	bbX

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Compound name: 13C2-PFOA

Response Factor: 0.944504

RRF SD: 0.0477452, Relative SD: 5.05505

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 171229M2_2	Standard	12.500	4.25	13054.395	15049.458	10.843	11.5	-8.2	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.24	14310.572	14379.889	12.440	13.2	5.4	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.25	12549.276	13387.784	11.717	12.4	-0.8	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.25	15995.349	16520.527	12.103	12.8	2.5	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.25	13236.790	15029.971	11.009	11.7	-6.8	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.25	14776.837	14938.239	12.365	13.1	4.7	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.25	14864.127	15289.608	12.152	12.9	2.9	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.25	12709.908	13438.497	11.822	12.5	0.1	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.832052

RRF SD: 0.0583635, Relative SD: 7.0144

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 171229M2_2	Standard	12.500	4.68	9559.854	11482.184	10.407	12.5	0.1	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.68	11886.128	13994.057	10.617	12.8	2.1	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.68	10985.445	13520.063	10.157	12.2	-2.3	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.68	11245.406	11995.365	11.718	14.1	12.7	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.68	10698.335	12349.689	10.829	13.0	4.1	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.68	12722.333	15920.794	9.989	12.0	-4.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.68	10121.980	13803.214	9.166	11.0	-11.9	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.68	11035.840	13364.362	10.322	12.4	-0.8	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 0.203788

RRF SD: 0.0207952, Relative SD: 10.2043

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 171229M2_2	Standard	12.500	4.74	2711.756	14815.704	2.288	11.2	-10.2	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.74	3102.326	16960.961	2.286	11.2	-10.2	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.74	3049.030	12370.712	3.081	15.1	20.9	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.74	3142.559	15033.304	2.613	12.8	2.6	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.74	2594.765	12111.065	2.678	13.1	5.1	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.74	2934.554	14405.790	2.546	12.5	-0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.74	2840.989	14131.721	2.513	12.3	-1.4	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.74	2854.235	15033.200	2.373	11.6	-6.8	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 0.947914

RRF SD: 0.0975277, Relative SD: 10.2887

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 171229M2_2	Standard	12.500	4.76	3197.572	2998.679	13.329	14.1	12.5	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.76	3759.751	4122.135	11.401	12.0	-3.8	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.76	3437.048	3587.060	11.977	12.6	1.1	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.76	3679.354	3787.616	12.143	12.8	2.5	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.76	3383.786	3479.518	12.156	12.8	2.6	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.76	3618.413	3708.112	12.198	12.9	2.9	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.76	2972.808	4065.431	9.141	9.6	-22.9	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.76	3503.462	3518.380	12.447	13.1	5.0	NO		NO	bb

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Compound name: 13C2-PFDA

Response Factor: 0.986444

RRF SD: 0.1074, Relative SD: 10.8876

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 171229M2_2	Standard	12.500	5.05	9787.770	10283.326	11.898	12.1	-3.5	NO		NO	bb
2	2 171229M2_3	Standard	12.500	5.04	13313.300	12978.949	12.822	13.0	4.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	5.04	11579.593	10780.415	13.427	13.6	8.9	NO		NO	bb
4	4 171229M2_5	Standard	12.500	5.05	10793.412	12463.213	10.825	11.0	-12.2	NO		NO	bb
5	5 171229M2_6	Standard	12.500	5.05	11236.213	11862.046	11.841	12.0	-4.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	5.05	12281.298	12524.826	12.257	12.4	-0.6	NO		NO	bb
7	7 171229M2_8	Standard	12.500	5.04	9060.415	10505.381	10.781	10.9	-12.6	NO		NO	bb
8	8 171229M2_9	Standard	12.500	5.04	10953.324	9254.415	14.795	15.0	20.0	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.124479

RRF SD: 0.019342, Relative SD: 15.5383

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 171229M2_2	Standard	12.500	5.02	1831.227	13026.970	1.757	14.1	12.9	NO		NO	bb
2	2 171229M2_3	Standard	12.500	5.02	1424.288	14686.001	1.212	9.7	-22.1	NO		NO	bb
3	3 171229M2_4	Standard	12.500	5.02	2009.474	13082.247	1.920	15.4	23.4	NO		NO	bb
4	4 171229M2_5	Standard	12.500	5.02	1798.888	13423.668	1.675	13.5	7.7	NO		NO	bb
5	5 171229M2_6	Standard	12.500	5.02	1757.374	15886.118	1.383	11.1	-11.1	NO		NO	bb
6	6 171229M2_7	Standard	12.500	5.02	1922.256	16032.948	1.499	12.0	-3.7	NO		NO	bb
7	7 171229M2_8	Standard	12.500	5.02	1910.405	16516.043	1.446	11.6	-7.1	NO		NO	bb
8	8 171229M2_9	Standard	12.500	5.02	3035.175	15471.245	2.452	19.7	57.6	NO		NO	bbX

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Compound name: d3-N-MeFOSAA

Response Factor: 0.391119

RRF SD: 0.0414808, Relative SD: 10.6057

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	171229M2_2	Standard	12.500	5.19	5085.497	14815.704	4.291	11.0	-12.2	NO		NO	bb
2	171229M2_3	Standard	12.500	5.19	6075.852	16960.961	4.478	11.4	-8.4	NO		NO	bb
3	171229M2_4	Standard	12.500	5.19	5465.513	12370.712	5.523	14.1	13.0	NO		NO	bb
4	171229M2_5	Standard	12.500	5.19	6024.812	15033.304	5.010	12.8	2.5	NO		NO	bb
5	171229M2_6	Standard	12.500	5.19	5469.510	12111.065	5.645	14.4	15.5	NO		NO	bb
6	171229M2_7	Standard	12.500	5.20	5362.439	14405.790	4.653	11.9	-4.8	NO		NO	bb
7	171229M2_8	Standard	12.500	5.19	5797.623	14131.721	5.128	13.1	4.9	NO		NO	bb
8	171229M2_9	Standard	12.500	5.20	5273.478	15033.200	4.385	11.2	-10.3	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.451227

RRF SD: 0.0587445, Relative SD: 13.0188

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	171229M2_2	Standard	12.500	5.35	6335.104	14815.704	5.345	11.8	-5.2	NO		NO	bb
2	171229M2_3	Standard	12.500	5.34	6832.871	16960.961	5.036	11.2	-10.7	NO		NO	bb
3	171229M2_4	Standard	12.500	5.35	6085.677	12370.712	6.149	13.6	9.0	NO		NO	bb
4	171229M2_5	Standard	12.500	5.35	6995.571	15033.304	5.817	12.9	3.1	NO		NO	bb
5	171229M2_6	Standard	12.500	5.35	6601.813	12111.065	6.814	15.1	20.8	NO		NO	bb
6	171229M2_7	Standard	12.500	5.35	7053.357	14405.790	6.120	13.6	8.5	NO		NO	bb
7	171229M2_8	Standard	12.500	5.35	6062.098	14131.721	5.362	11.9	-4.9	NO		NO	bb
8	171229M2_9	Standard	12.500	5.35	5387.725	15033.200	4.480	9.9	-20.6	NO		NO	bb

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Compound name: 13C2-PFUdA

Response Factor: 0.900459

RRF SD: 0.0859834, Relative SD: 9.54884

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	171229M2_2	Standard	12.500	5.37	12200.924	14815.704	10.294	11.4	-8.5	NO		NO	bb
2	2	171229M2_3	Standard	12.500	5.36	13014.458	16960.961	9.591	10.7	-14.8	NO		NO	bb
3	3	171229M2_4	Standard	12.500	5.36	11054.450	12370.712	11.170	12.4	-0.8	NO		NO	bb
4	4	171229M2_5	Standard	12.500	5.36	13105.806	15033.304	10.897	12.1	-3.2	NO		NO	bb
5	5	171229M2_6	Standard	12.500	5.36	12129.378	12111.065	12.519	13.9	11.2	NO		NO	bb
6	6	171229M2_7	Standard	12.500	5.37	14621.663	14405.790	12.687	14.1	12.7	NO		NO	bb
7	7	171229M2_8	Standard	12.500	5.36	12349.849	14131.721	10.924	12.1	-2.9	NO		NO	bb
8	8	171229M2_9	Standard	12.500	5.37	14387.557	15033.200	11.963	13.3	6.3	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 0.616744

RRF SD: 0.0977312, Relative SD: 15.8463

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	171229M2_2	Standard	12.500	5.64	8043.755	14815.704	6.787	11.0	-12.0	NO		NO	bb
2	2	171229M2_3	Standard	12.500	5.65	9002.822	16960.961	6.635	10.8	-13.9	NO		NO	bb
3	3	171229M2_4	Standard	12.500	5.65	9574.130	12370.712	9.674	15.7	25.5	NO		NO	bb
4	4	171229M2_5	Standard	12.500	5.65	8821.307	15033.304	7.335	11.9	-4.9	NO		NO	bb
5	5	171229M2_6	Standard	12.500	5.65	8400.495	12111.065	8.670	14.1	12.5	NO		NO	bb
6	6	171229M2_7	Standard	12.500	5.65	9958.397	14405.790	8.641	14.0	12.1	NO		NO	bb
7	7	171229M2_8	Standard	12.500	5.65	8869.276	14131.721	7.845	12.7	1.8	NO		NO	bb
8	8	171229M2_9	Standard	12.500	5.65	7321.213	15033.200	6.088	9.9	-21.0	NO		NO	bb

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Compound name: d3-N-MeFOSA

Response Factor: 0.0974499

RRF SD: 0.0110792, Relative SD: 11.3691

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 171229M2_2	Standard	150.000	5.81	15269.275	14815.704	12.883	132.2	-11.9	NO		NO	bb
2	2 171229M2_3	Standard	150.000	5.81	16568.037	16960.961	12.210	125.3	-16.5	NO		NO	bb
3	3 171229M2_4	Standard	150.000	5.81	16161.567	12370.712	16.330	167.6	11.7	NO		NO	bb
4	4 171229M2_5	Standard	150.000	5.81	17375.629	15033.304	14.448	148.3	-1.2	NO		NO	bb
5	5 171229M2_6	Standard	150.000	5.81	16523.939	12111.065	17.055	175.0	16.7	NO		NO	bb
6	6 171229M2_7	Standard	150.000	5.81	17052.381	14405.790	14.796	151.8	1.2	NO		NO	bb
7	7 171229M2_8	Standard	150.000	5.81	17525.244	14131.721	15.502	159.1	6.0	NO		NO	bd
8	8 171229M2_9	Standard	150.000	5.81	16495.586	15033.200	13.716	140.7	-6.2	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.195861

RRF SD: 0.02266, Relative SD: 11.5694

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 171229M2_2	Standard	12.500	6.11	2829.090	14815.704	2.387	12.2	-2.5	NO		NO	bb
2	2 171229M2_3	Standard	12.500	6.11	2958.684	16960.961	2.181	11.1	-10.9	NO		NO	bb
3	3 171229M2_4	Standard	12.500	6.11	2615.306	12370.712	2.643	13.5	7.9	NO		NO	bb
4	4 171229M2_5	Standard	12.500	6.11	3232.627	15033.304	2.688	13.7	9.8	NO		NO	bb
5	5 171229M2_6	Standard	12.500	6.11	2664.266	12111.065	2.750	14.0	12.3	NO		NO	bb
6	6 171229M2_7	Standard	12.500	6.11	2219.846	14405.790	1.926	9.8	-21.3	NO		NO	bb
7	7 171229M2_8	Standard	12.500	6.11	2718.020	14131.721	2.404	12.3	-1.8	NO		NO	bb
8	8 171229M2_9	Standard	12.500	6.11	3136.443	15033.200	2.608	13.3	6.5	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.146639

RRF SD: 0.0168881, Relative SD: 11.5168

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 171229M2_2	Standard	150.000	6.19	23839.549	14815.704	20.113	137.2	-8.6	NO		NO	bb
2	2 171229M2_3	Standard	150.000	6.19	26388.232	16960.961	19.448	132.6	-11.6	NO		NO	bb
3	3 171229M2_4	Standard	150.000	6.20	24893.941	12370.712	25.154	171.5	14.4	NO		NO	bb
4	4 171229M2_5	Standard	150.000	6.20	26004.342	15033.304	21.622	147.5	-1.7	NO		NO	bb
5	5 171229M2_6	Standard	150.000	6.20	25204.795	12111.065	26.014	177.4	18.3	NO		NO	bb
6	6 171229M2_7	Standard	150.000	6.20	25237.131	14405.790	21.898	149.3	-0.4	NO		NO	bb
7	7 171229M2_8	Standard	150.000	6.20	25543.053	14131.721	22.594	154.1	2.7	NO		NO	bb
8	8 171229M2_9	Standard	150.000	6.20	22997.896	15033.200	19.123	130.4	-13.1	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 0.434796

RRF SD: 0.0591757, Relative SD: 13.61

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 171229M2_2	Standard	5.000	6.44	2686.105	14815.704	2.266	5.2	4.2	NO		NO	bb
2	2 171229M2_3	Standard	5.000	6.44	2563.167	16960.961	1.889	4.3	-13.1	NO		NO	bb
3	3 171229M2_4	Standard	5.000	6.44	2352.455	12370.712	2.377	5.5	9.3	NO		NO	bb
4	4 171229M2_5	Standard	5.000	6.44	2540.338	15033.304	2.112	4.9	-2.8	NO		NO	bb
5	5 171229M2_6	Standard	5.000	6.44	2528.023	12111.065	2.609	6.0	20.0	NO		NO	bb
6	6 171229M2_7	Standard	5.000	6.44	2073.382	14405.790	1.799	4.1	-17.2	NO		NO	bb
7	7 171229M2_8	Standard	5.000	6.44	2760.265	14131.721	2.442	5.6	12.3	NO		NO	bb
8	8 171229M2_9	Standard	5.000	6.44	2281.944	15033.200	1.897	4.4	-12.7	NO		NO	bb

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Compound name: d7-N-MeFOSE

Response Factor: 0.108064

RRF SD: 0.0168658, Relative SD: 15.6073

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 171229M2_2	Standard	150.000	6.31	20735.168	14815.704	17.494	161.9	7.9	NO		NO	bb
2	2 171229M2_3	Standard	150.000	6.31	17093.148	16960.961	12.597	116.6	-22.3	NO		NO	bd
3	3 171229M2_4	Standard	150.000	6.31	18824.010	12370.712	19.021	176.0	17.3	NO		NO	bb
4	4 171229M2_5	Standard	150.000	6.31	22545.748	15033.304	18.747	173.5	15.7	NO		NO	bb
5	5 171229M2_6	Standard	150.000	6.31	17676.176	12111.065	18.244	168.8	12.6	NO		NO	bb
6	6 171229M2_7	Standard	150.000	6.31	16652.568	14405.790	14.450	133.7	-10.9	NO		NO	bb
7	7 171229M2_8	Standard	150.000	6.31	15055.310	14131.721	13.317	123.2	-17.8	NO		NO	bb
8	8 171229M2_9	Standard	150.000	6.30	19010.402	15033.200	15.807	146.3	-2.5	NO		NO	bb

Compound name: d9-N-EtFOSE

Response Factor: 0.115528

RRF SD: 0.0123398, Relative SD: 10.6812

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 171229M2_2	Standard	150.000	6.46	17500.215	14815.704	14.765	127.8	-14.8	NO		NO	bb
2	2 171229M2_3	Standard	150.000	6.46	20684.432	16960.961	15.244	132.0	-12.0	NO		NO	bb
3	3 171229M2_4	Standard	150.000	6.46	19115.492	12370.712	19.315	167.2	11.5	NO		NO	bb
4	4 171229M2_5	Standard	150.000	6.46	19684.930	15033.304	16.368	141.7	-5.5	NO		NO	bb
5	5 171229M2_6	Standard	150.000	6.46	19050.596	12111.065	19.662	170.2	13.5	NO		NO	bb
6	6 171229M2_7	Standard	150.000	6.46	19081.916	14405.790	16.558	143.3	-4.5	NO		NO	bd
7	7 171229M2_8	Standard	150.000	6.46	20876.885	14131.721	18.466	159.8	6.6	NO		NO	bb
8	8 171229M2_9	Standard	150.000	6.46	21955.451	15033.200	18.256	158.0	5.3	NO		NO	bb

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Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171229M2_2	Standard	12.500	1.40	11498.604	11498.604	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	1.40	12720.032	12720.032	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	1.40	12042.461	12042.461	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	1.40	13073.530	13073.530	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	1.40	12883.391	12883.391	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	1.40	12893.346	12893.346	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	1.40	13149.171	13149.171	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	1.40	11471.483	11471.483	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	1 171229M2_2	Standard	12.500	3.12	13026.970	13026.970	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	3.12	14686.001	14686.001	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	3.12	13082.247	13082.247	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	3.12	13423.668	13423.668	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	3.12	15886.118	15886.118	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	3.12	16032.948	16032.948	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	3.12	16516.043	16516.043	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	3.12	15471.245	15471.245	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171229M2_2	Standard	12.500	3.88	3848.441	3848.441	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	3.88	4238.235	4238.235	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	3.88	3181.425	3181.425	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	3.88	4267.268	4267.268	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	3.88	4034.508	4034.508	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	3.88	3881.957	3881.957	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	3.88	4023.275	4023.275	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	3.88	3662.087	3662.087	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171229M2_2	Standard	12.500	4.25	15049.458	15049.458	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.25	14379.889	14379.889	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.25	13387.784	13387.784	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.25	16520.527	16520.527	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.25	15029.971	15029.971	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.25	14938.239	14938.239	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.25	15289.608	15289.608	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.25	13438.497	13438.497	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 171229M2_2	Standard	12.500	4.68	11482.184	11482.184	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.68	13994.057	13994.057	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.68	13520.063	13520.063	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.68	11995.365	11995.365	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.68	12349.689	12349.689	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.68	15920.794	15920.794	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.68	13803.214	13803.214	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.68	13364.362	13364.362	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 171229M2_2	Standard	12.500	4.76	2998.679	2998.679	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	4.76	4122.135	4122.135	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	4.76	3587.060	3587.060	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	4.76	3787.616	3787.616	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	4.76	3479.518	3479.518	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	4.76	3708.112	3708.112	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	4.76	4065.431	4065.431	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	4.76	3518.380	3518.380	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171229M2_2	Standard	12.500	5.04	10283.326	10283.326	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	5.04	12978.949	12978.949	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	5.04	10780.415	10780.415	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	5.05	12463.213	12463.213	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	5.04	11862.046	11862.046	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	5.04	12524.826	12524.826	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	5.04	10505.381	10505.381	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	5.05	9254.415	9254.415	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171229M2_2	Standard	12.500	5.37	14815.704	14815.704	12.500	12.5	0.0	NO		NO	bb
2	2 171229M2_3	Standard	12.500	5.37	16960.961	16960.961	12.500	12.5	0.0	NO		NO	bb
3	3 171229M2_4	Standard	12.500	5.37	12370.712	12370.712	12.500	12.5	0.0	NO		NO	bb
4	4 171229M2_5	Standard	12.500	5.37	15033.304	15033.304	12.500	12.5	0.0	NO		NO	bb
5	5 171229M2_6	Standard	12.500	5.37	12111.065	12111.065	12.500	12.5	0.0	NO		NO	bb
6	6 171229M2_7	Standard	12.500	5.37	14405.790	14405.790	12.500	12.5	0.0	NO		NO	bb
7	7 171229M2_8	Standard	12.500	5.37	14131.721	14131.721	12.500	12.5	0.0	NO		NO	bb
8	8 171229M2_9	Standard	12.500	5.37	15033.200	15033.200	12.500	12.5	0.0	NO		NO	bb

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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

#	Name	CoD	CoD Flag	%RSD
1	1 PFBA	0.9993	NO	
2	2 PFPeA	0.9994	NO	
3	3 PFBS	0.9990	NO	
4	4 PFHxA	0.9988	NO	
5	5 PFHpA	0.9989	NO	
6	6 L-PFHxS	0.9991	NO	
7	8 6:2 FTS	0.9951	NO	
8	9 L-PFOA	0.9985	NO	
9	11 PFHpS	0.9969	NO	
10	12 PFNA	0.9980	NO	
11	13 PFOSA	0.9993	NO	
12	14 L-PFOS	0.9904	NO	
13	16 PFDA	0.9987	NO	
14	17 8:2 FTS	0.9987	NO	
15	18 N-MeFOSAA	0.9986	NO	
16	19 N-EtFOSAA	0.9996	NO	
17	20 PFUdA	0.9992	NO	
18	21 PFDS	0.9997	NO	
19	22 PFDoA	0.9997	NO	
20	23 N-MeFOSA	0.9992	NO	
21	24 PFTrDA	0.9941	NO	
22	25 PFTeDA	0.9921	NO	
23	26 N-EtFOSA	0.9994	NO	
24	27 PFHxDA	0.9990	NO	
25	28 PFODA	0.9955	NO	
26	29 N-MeFOSE	0.9977	NO	
27	30 N-EtFOSE	0.9961	NO	
28	31 13C3-PFBA		NO	3.014
29	32 13C3-PFPeA		NO	9.149
30	33 13C3-PFBS		NO	10.424
31	34 13C2-PFHxA		NO	7.657
32	35 13C4-PFHpA		NO	9.963
33	36 18O2-PFHxS		NO	7.637
34	37 13C2-6:2 FTS		NO	13.163

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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

	# Name	CoD	CoD Flag	%RSD
35	38 13C2-PFOA		NO	5.055
36	39 13C5-PFNA		NO	7.014
37	40 13C8-PFOSA		NO	10.204
38	41 13C8-PFOS		NO	10.289
39	42 13C2-PFDA		NO	10.888
40	43 13C2-8:2 FTS		NO	15.538
41	44 d3-N-MeFOSAA		NO	10.606
42	45 d5-N-EtFOSAA		NO	13.019
43	46 13C2-PFUdA		NO	9.549
44	47 13C2-PFDoA		NO	15.846
45	48 d3-N-MeFOSA		NO	11.369
46	49 13C2-PFTeDA		NO	11.569
47	50 d5-N-ETFOSA		NO	11.517
48	51 13C2-PFHxDA		NO	13.610
49	52 d7-N-MeFOSE		NO	15.607
50	53 d9-N-EtFOSE		NO	10.681
51	54 13C4-PFBA		NO	0.000
52	55 13C5-PFHxA		NO	0.000
53	56 13C3-PFHxS		NO	0.000
54	57 13C8-PFOA		NO	0.000
55	58 13C9-PFNA		NO	0.000
56	59 13C4-PFOS		NO	0.000
57	60 13C6-PFDA		NO	0.000
58	61 13C7-PFUdA		NO	0.000

Dataset: Untitled

Last Altered: Friday, December 29, 2017 16:11:21 Pacific Standard Time

Printed: Friday, December 29, 2017 16:14:12 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 29 Dec 2017 15:16:53

Calibration: U:\Q4.PRO\CurveDB\IC18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171229M2_1	IPA	29-Dec-17	13:20:29
2	171229M2_2	ST171229M2-1 PFC CS-2 17L2606	29-Dec-17	13:31:42
3	171229M2_3	ST171229M2-2 PFC CS-1 17L2607	29-Dec-17	13:42:53
4	171229M2_4	ST171229M2-3 PFC CS0 17L2608	29-Dec-17	13:54:04
5	171229M2_5	ST171229M2-4 PFC CS1 17L2609	29-Dec-17	14:05:15
6	171229M2_6	ST171229M2-5 PFC CS2 17L2610	29-Dec-17	14:16:26
7	171229M2_7	ST171229M2-6 PFC CS3 17L2611	29-Dec-17	14:27:38
8	171229M2_8	ST171229M2-7 PFC CS4 17L2612	29-Dec-17	14:38:48
9	171229M2_9	ST171229M2-8 PFC CS5 17L2613	29-Dec-17	14:49:59
10	171229M2_10	ST171229M2-9 PFC CS6 17L2710	29-Dec-17	15:01:10
11	171229M2_11	ST171229M2-10 PFC CS7 17L1804	29-Dec-17	15:12:20
12	171229M2_12	IPA	29-Dec-17	15:23:31
13	171229M2_13	ICV171229M2-1 PFC ICV 17L2907 (A)	29-Dec-17	15:34:42
14	171229M2_14	ICV171229M2-2 PFC ICV 17L1201	29-Dec-17	15:54:47
15	171229M2_15	IPA		

(A) possible formulation error, used older SS.

AC
12/29/17

Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122717.mdb 29 Dec 2017 11:28:58

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 15:29:28

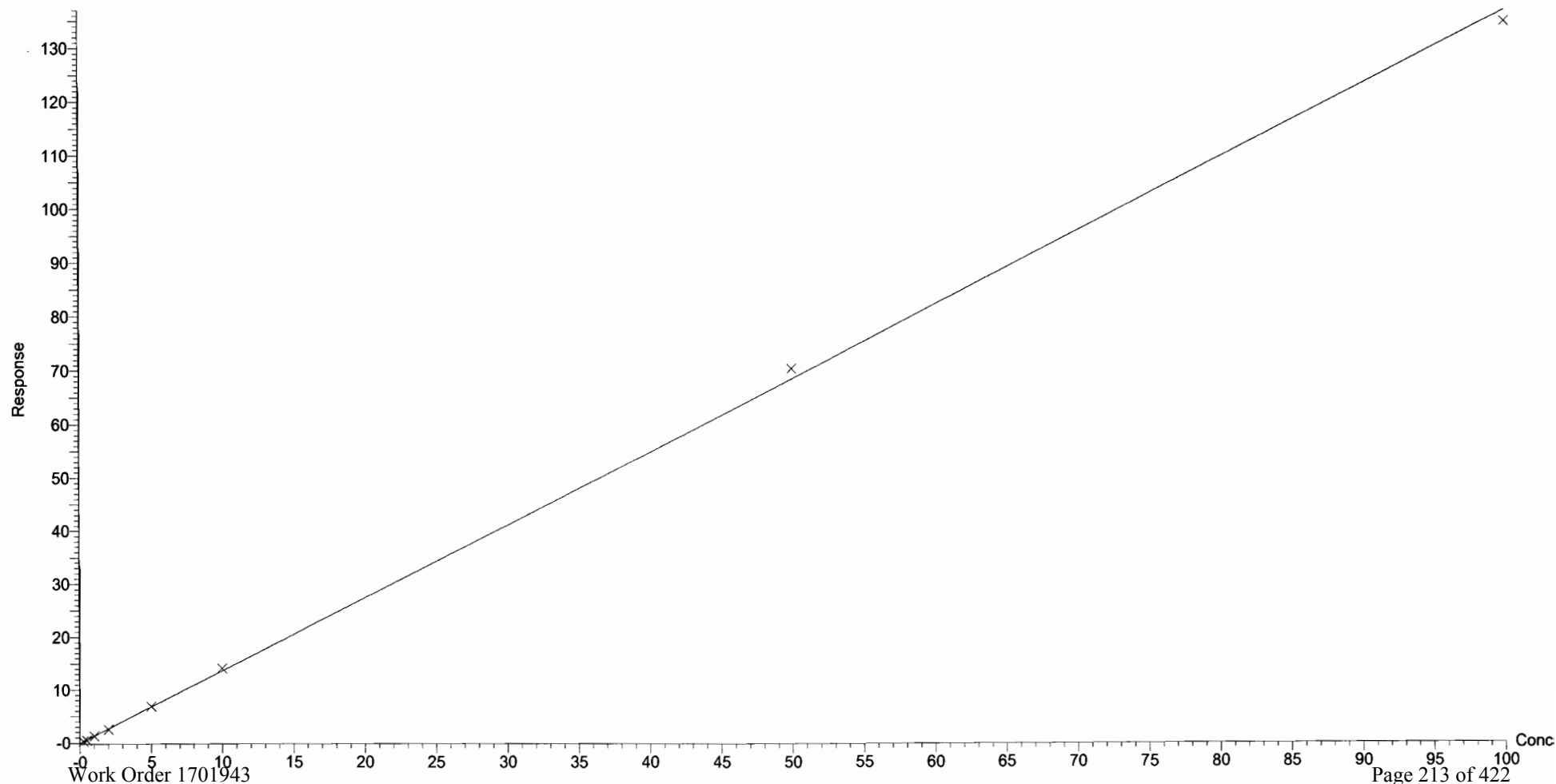
Compound name: PFBA

Correlation coefficient: $r = 0.999642$, $r^2 = 0.999283$

Calibration curve: $1.37088 * x + -0.0691704$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

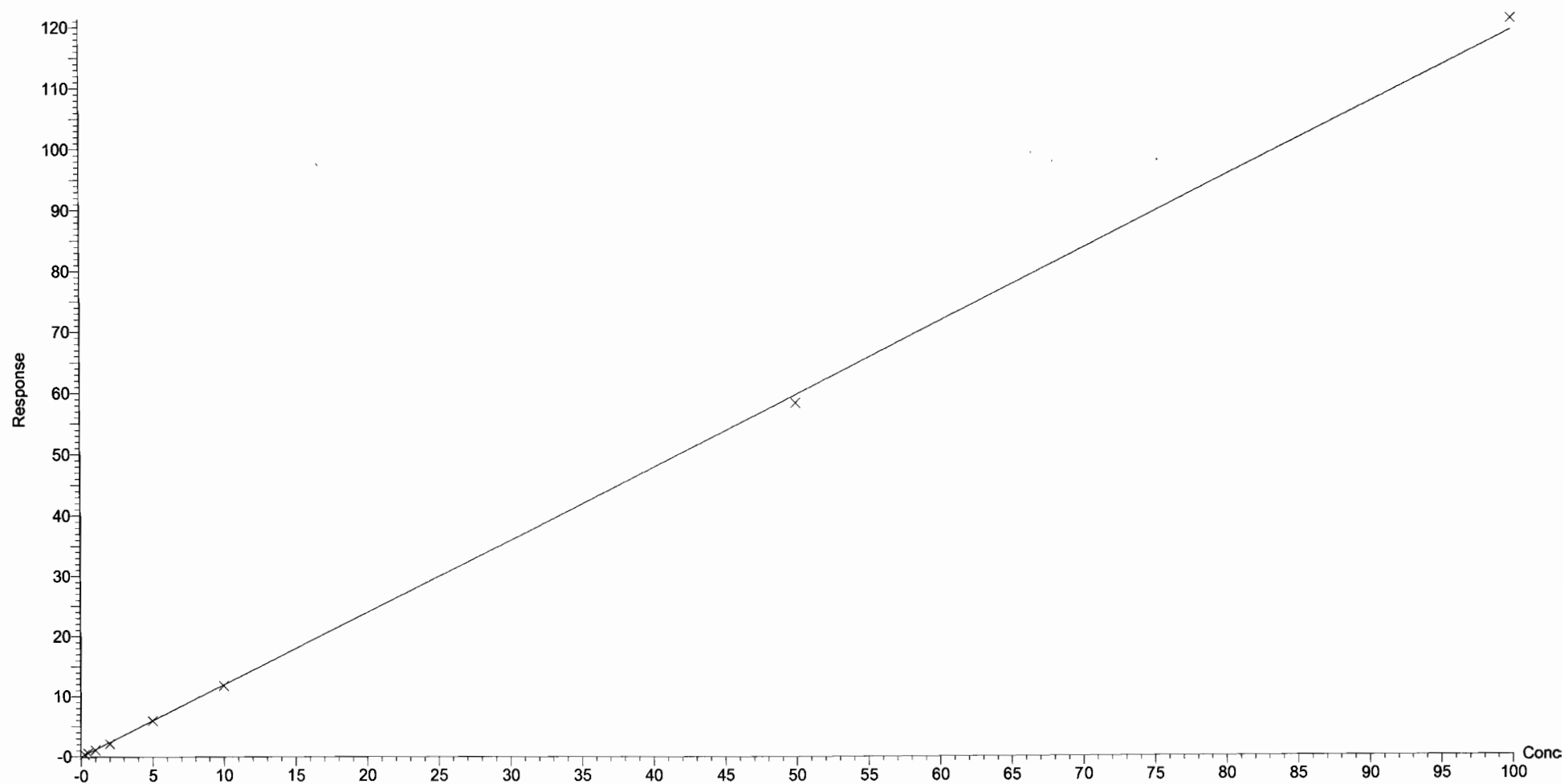
Compound name: PFPeA

Correlation coefficient: $r = 0.999696$, $r^2 = 0.999391$

Calibration curve: $1.19449 * x + -0.0389932$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

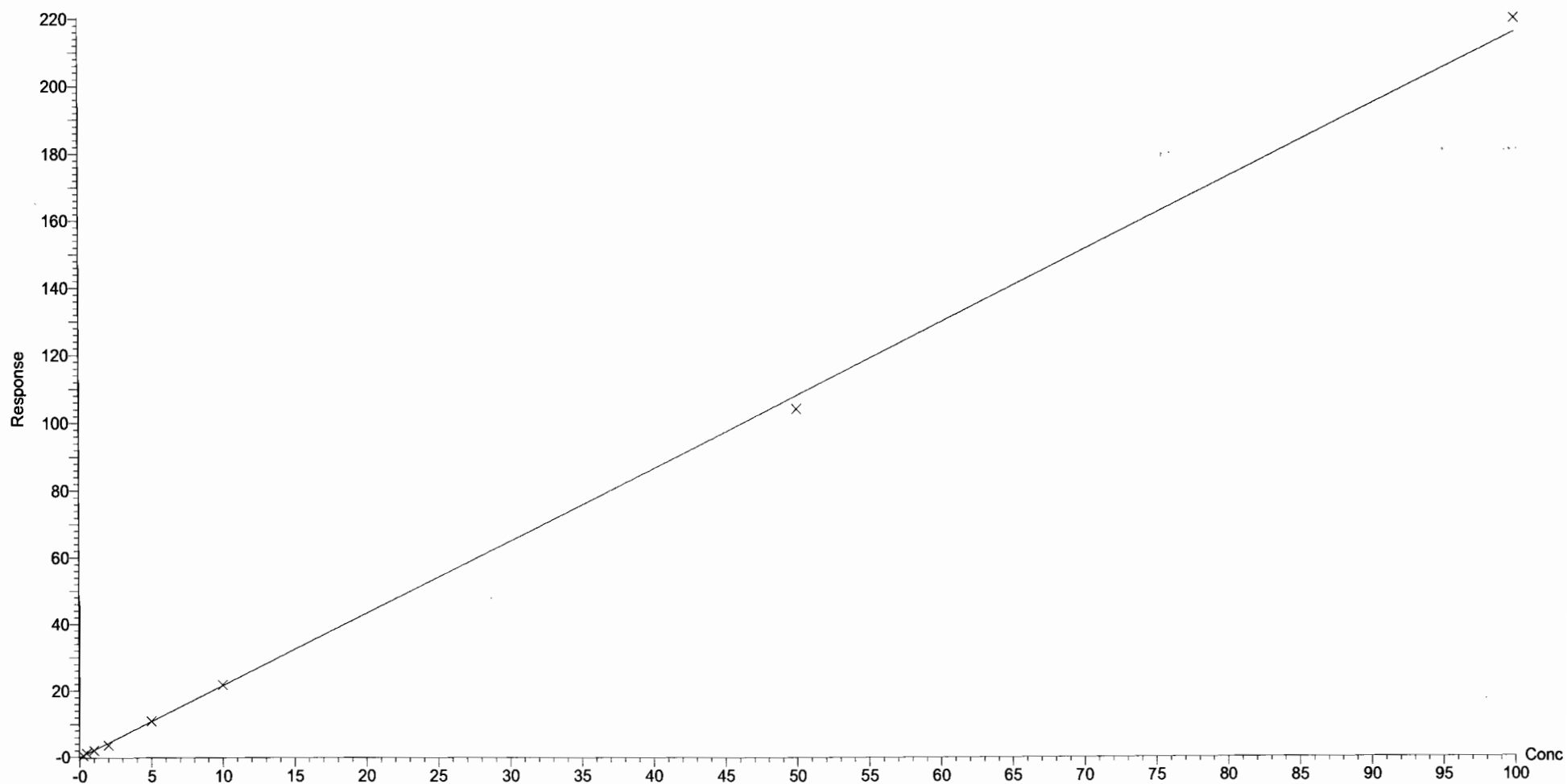
Compound name: PFBS

Correlation coefficient: $r = 0.999500$, $r^2 = 0.999001$

Calibration curve: $2.16257 * x + -0.0590175$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

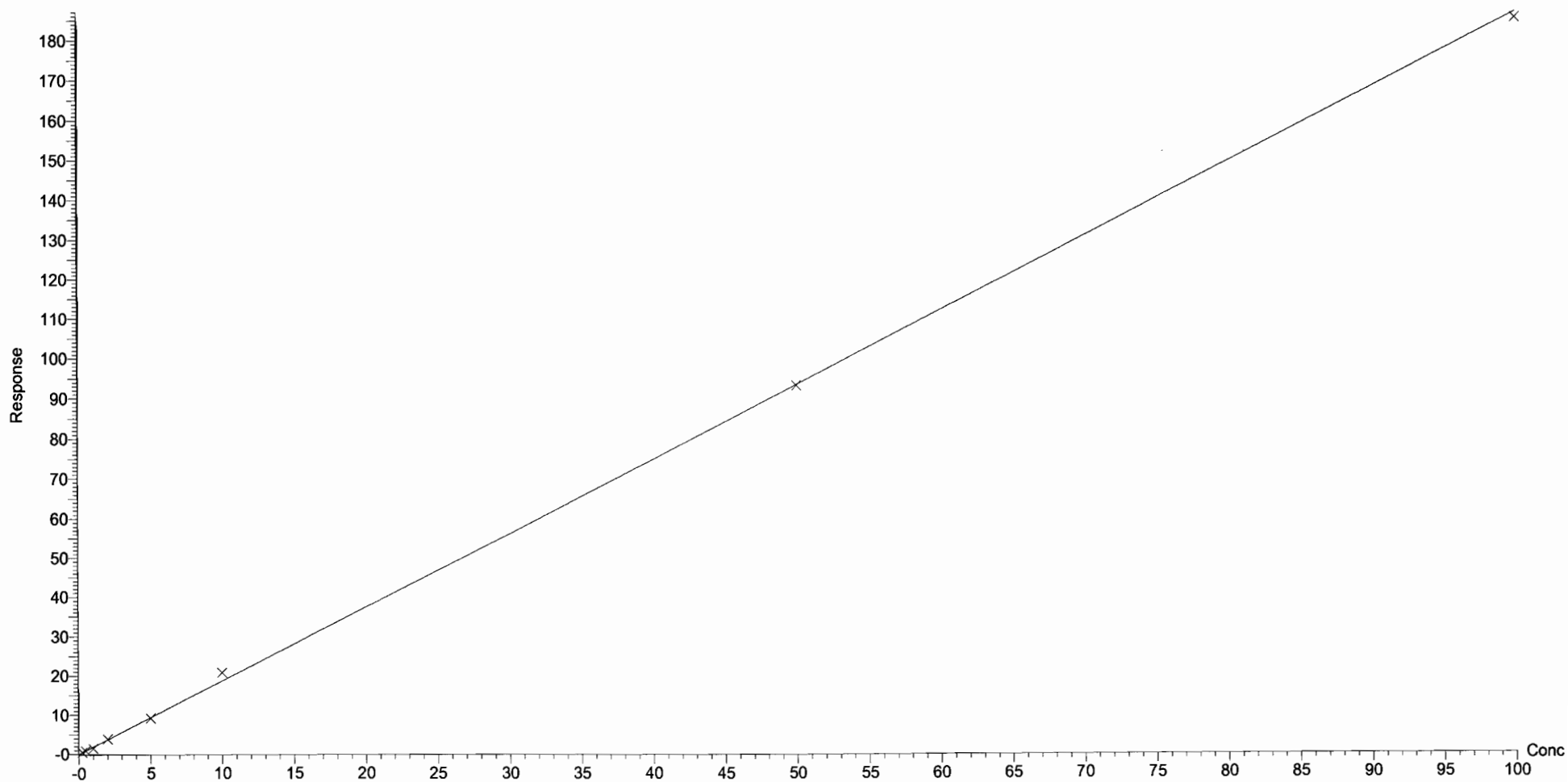
Compound name: PFHxA

Correlation coefficient: $r = 0.999421$, $r^2 = 0.998842$

Calibration curve: $1.87128 * x + -0.0343505$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

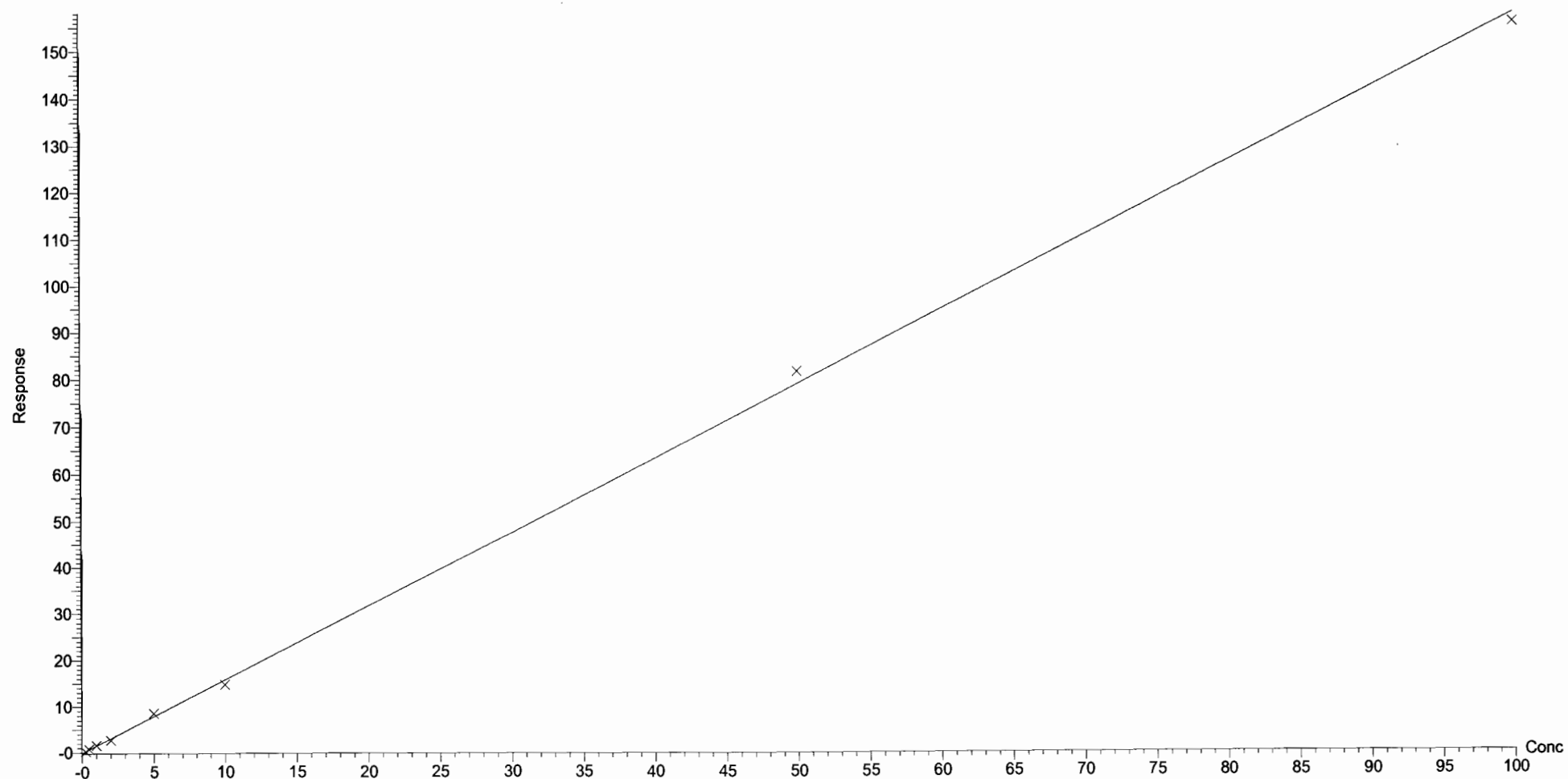
Compound name: PFHpA

Correlation coefficient: $r = 0.999428$, $r^2 = 0.998856$

Calibration curve: $1.58151 * x + -0.0944503$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

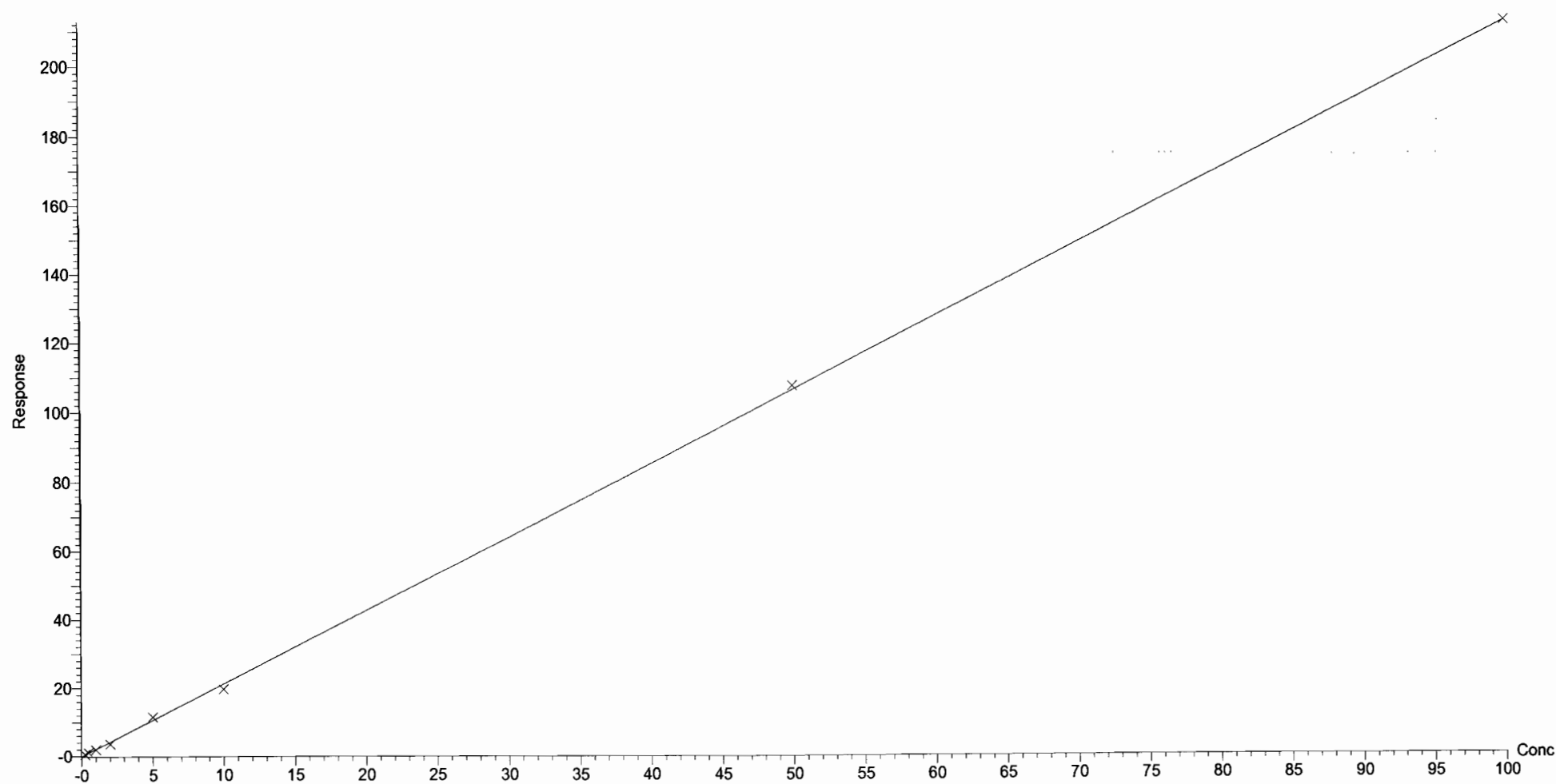
Compound name: L-PFHxS

Correlation coefficient: $r = 0.999540$, $r^2 = 0.999081$

Calibration curve: $2.12712 * x + -0.0697927$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

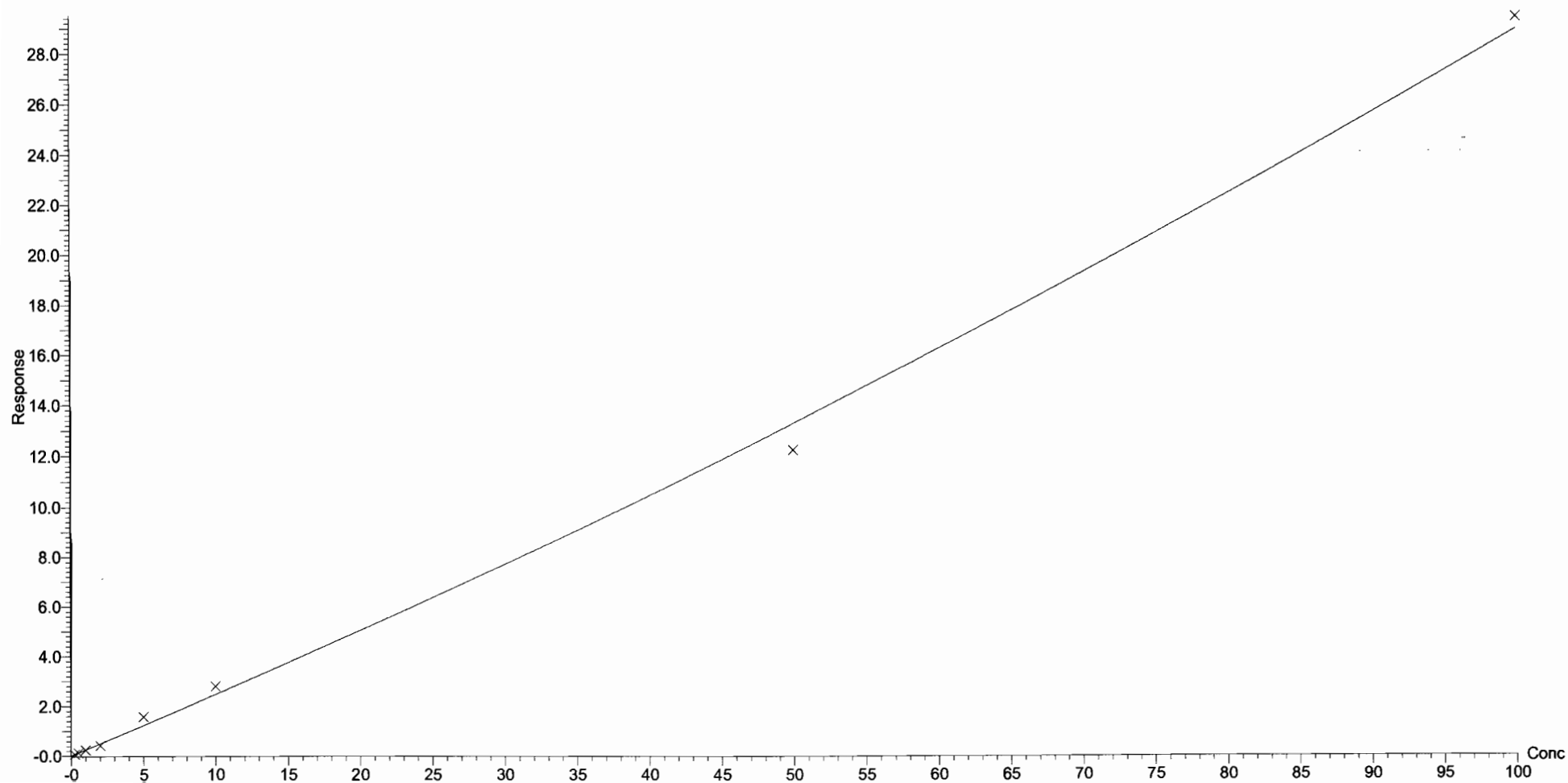
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.995124$

Calibration curve: $0.000489747 * x^2 + 0.24128 * x + 0.0169506$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

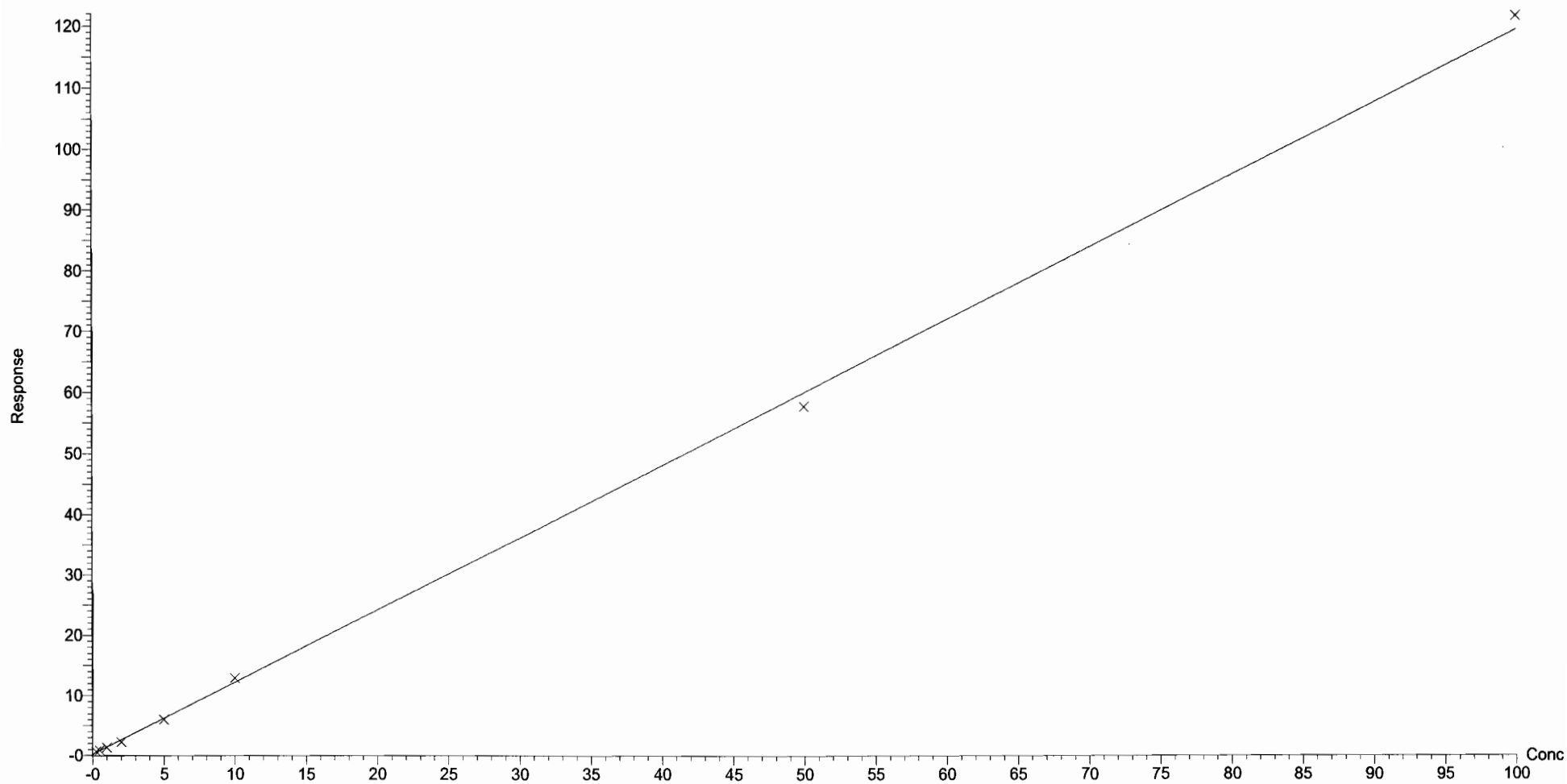
Compound name: L-PFOA

Correlation coefficient: $r = 0.999271$, $r^2 = 0.998543$

Calibration curve: $1.19548 * x + 0.228921$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

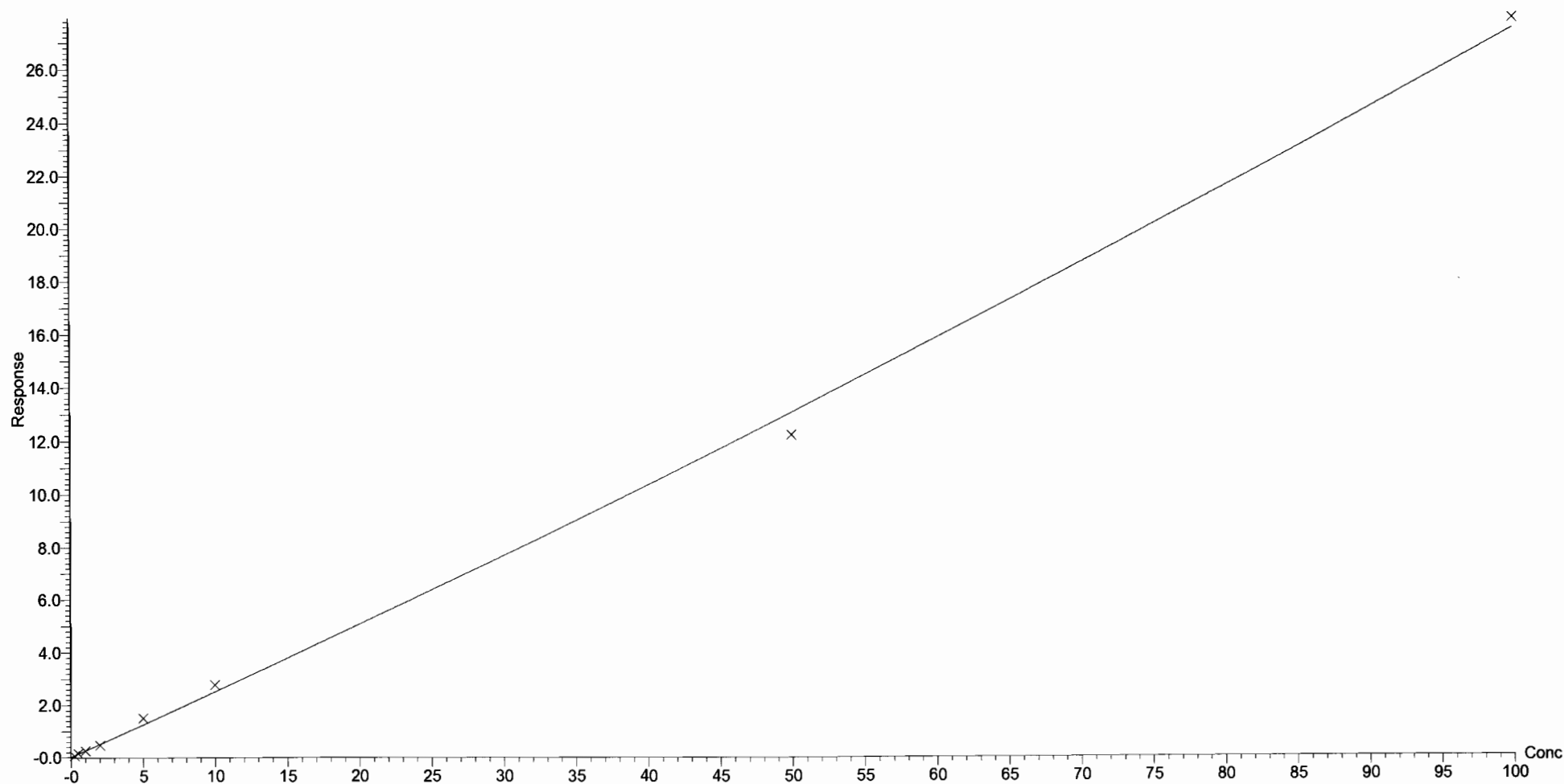
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.996923$

Calibration curve: $0.000286563 * x^2 + 0.246658 * x + 0.015286$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

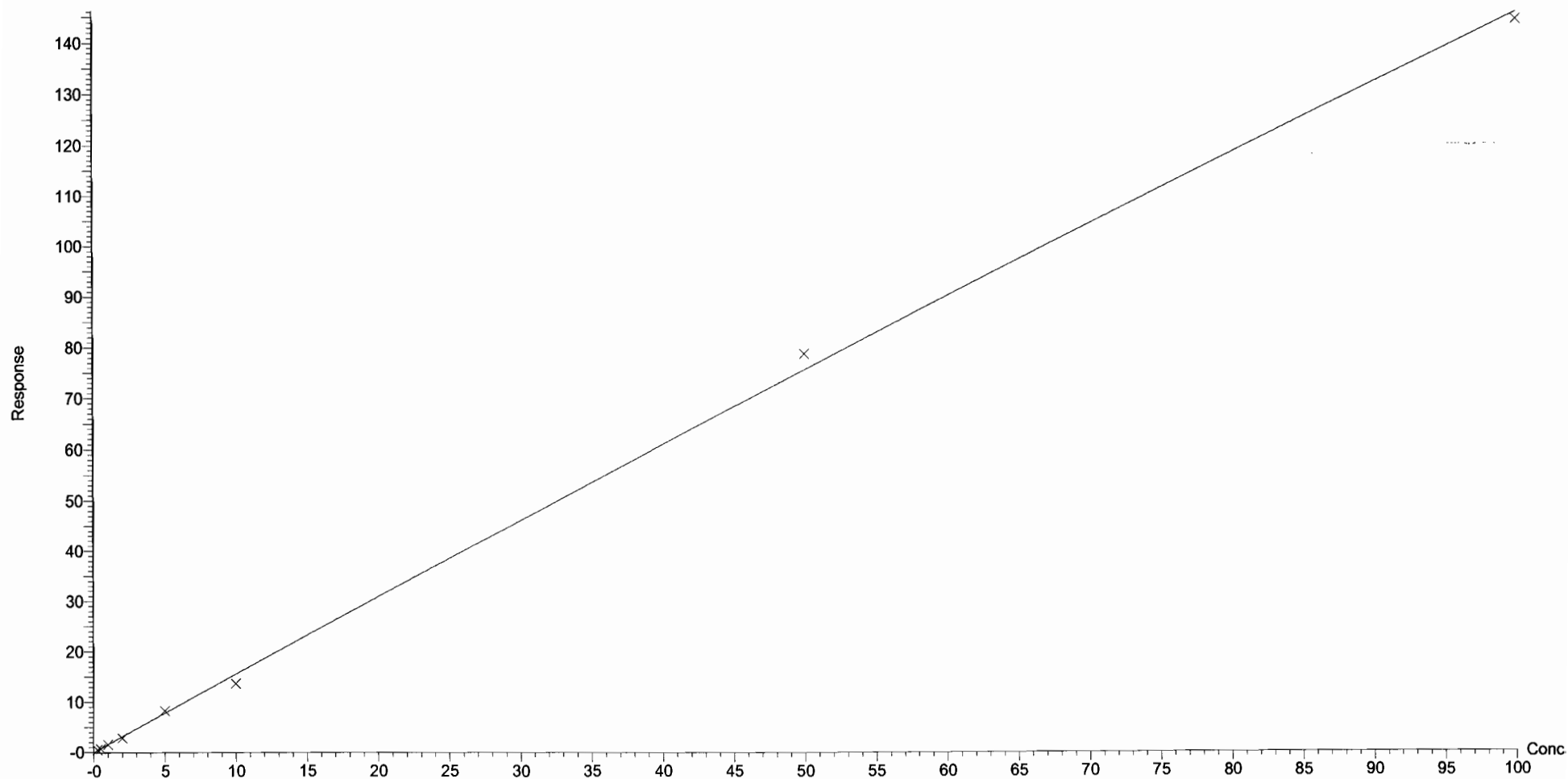
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.997989$

Calibration curve: $-0.00101357 * x^2 + 1.56335 * x + -0.000922713$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

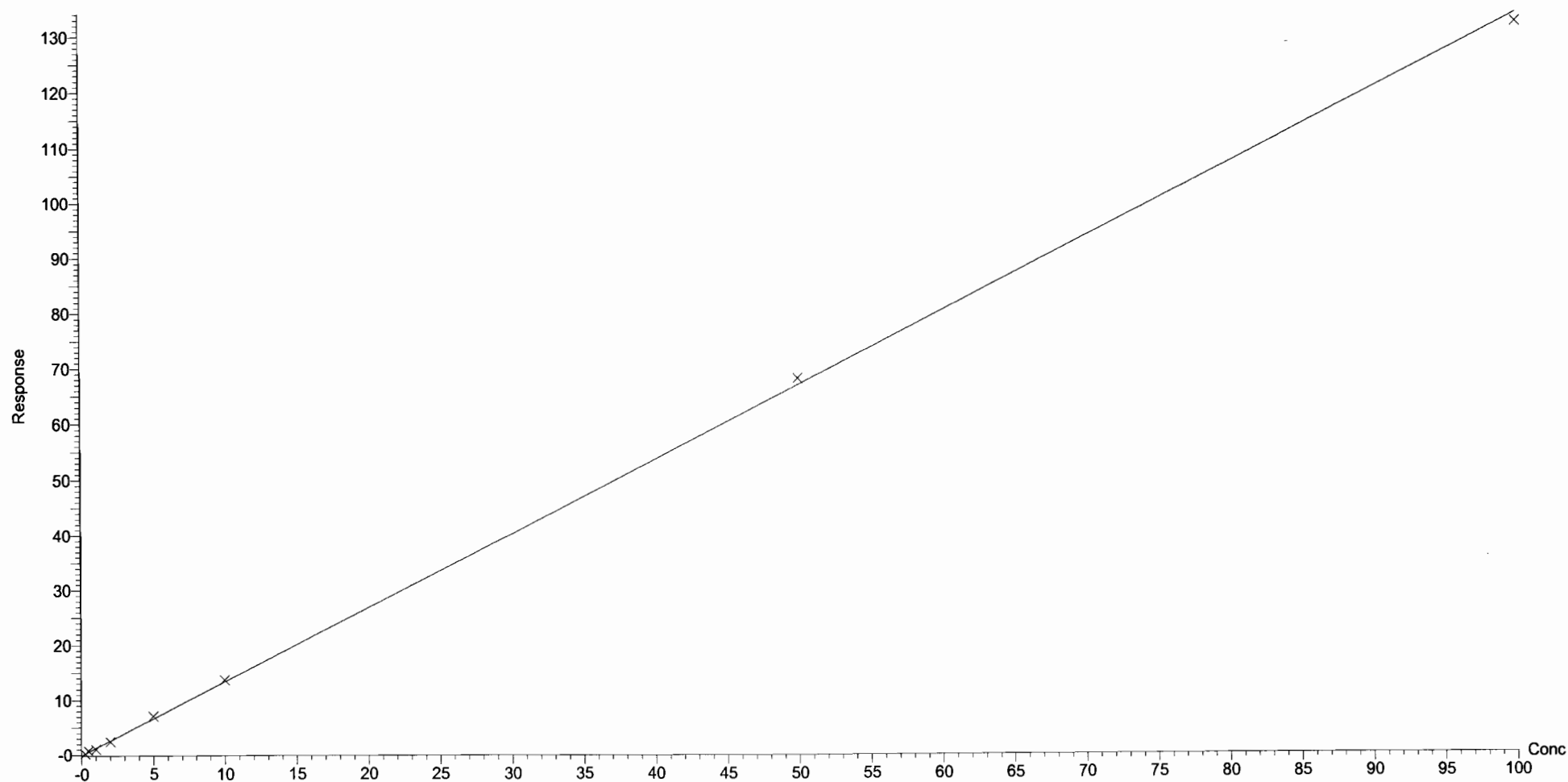
Compound name: PFOSA

Correlation coefficient: $r = 0.999632$, $r^2 = 0.999264$

Calibration curve: $1.34133 * x + -0.0872836$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

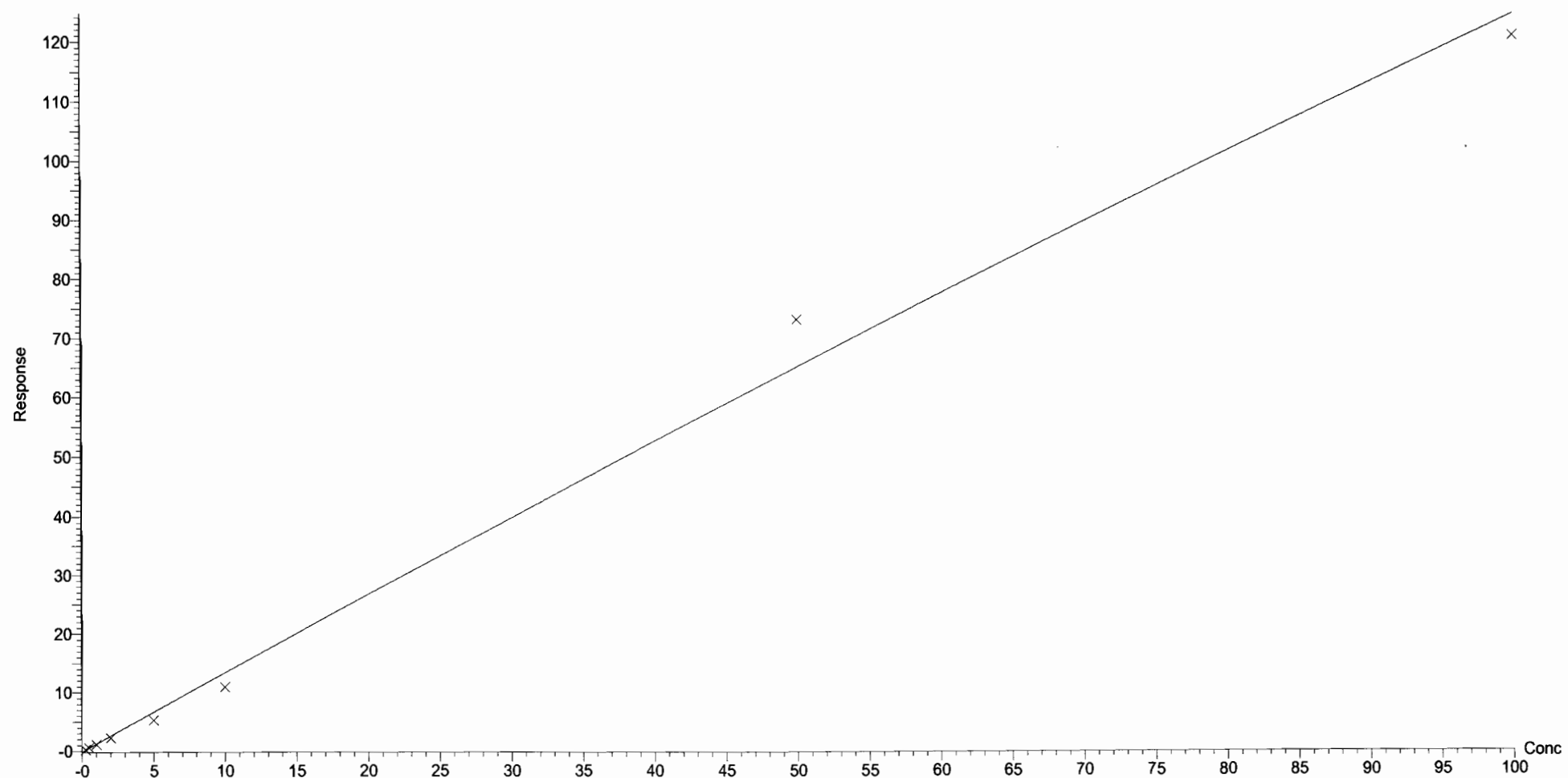
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.990401$

Calibration curve: $-0.00113144 * x^2 + 1.36155 * x + -0.136077$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

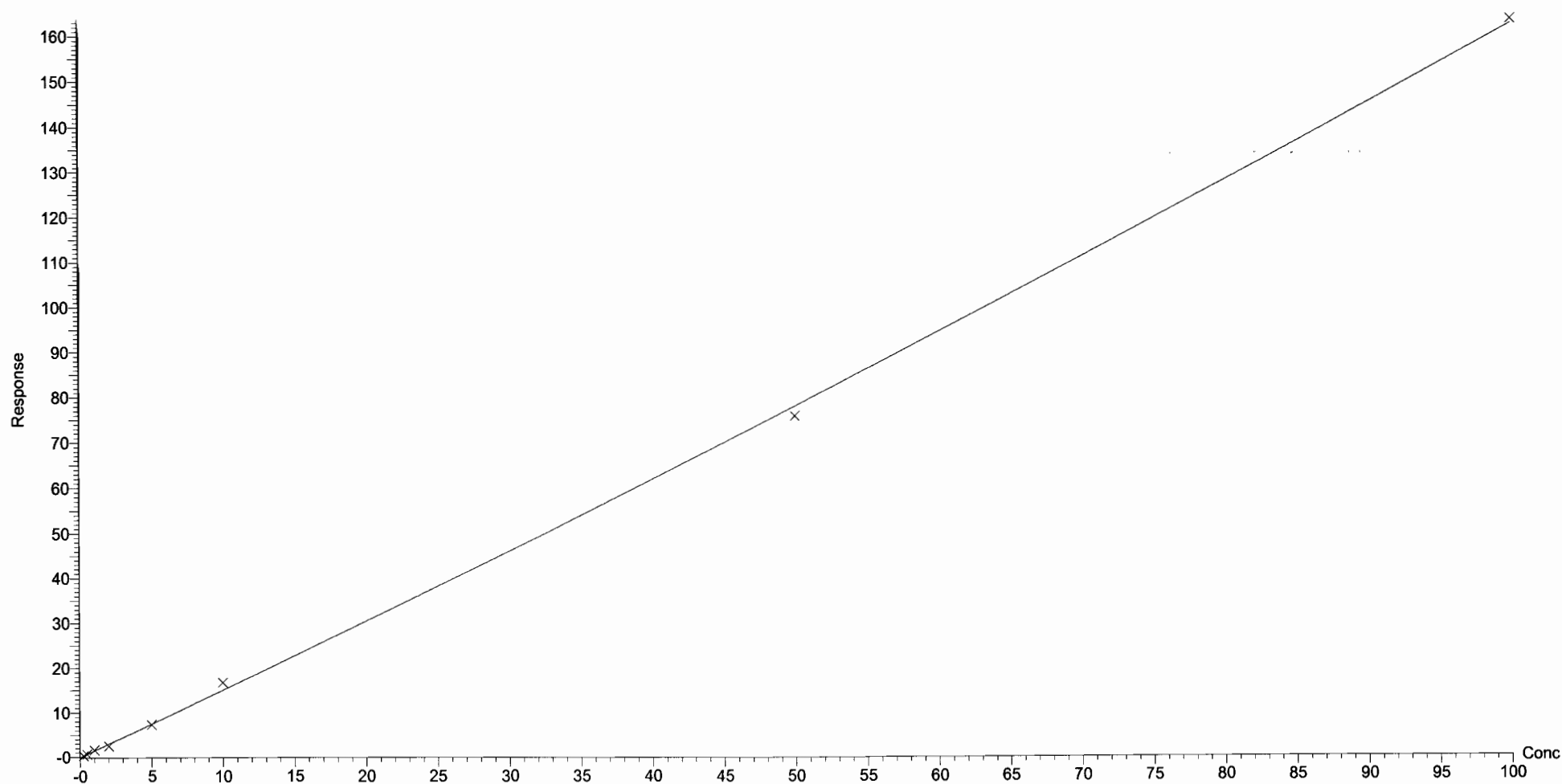
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.998686$

Calibration curve: $0.00134624 * x^2 + 1.49368 * x + -0.0435348$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

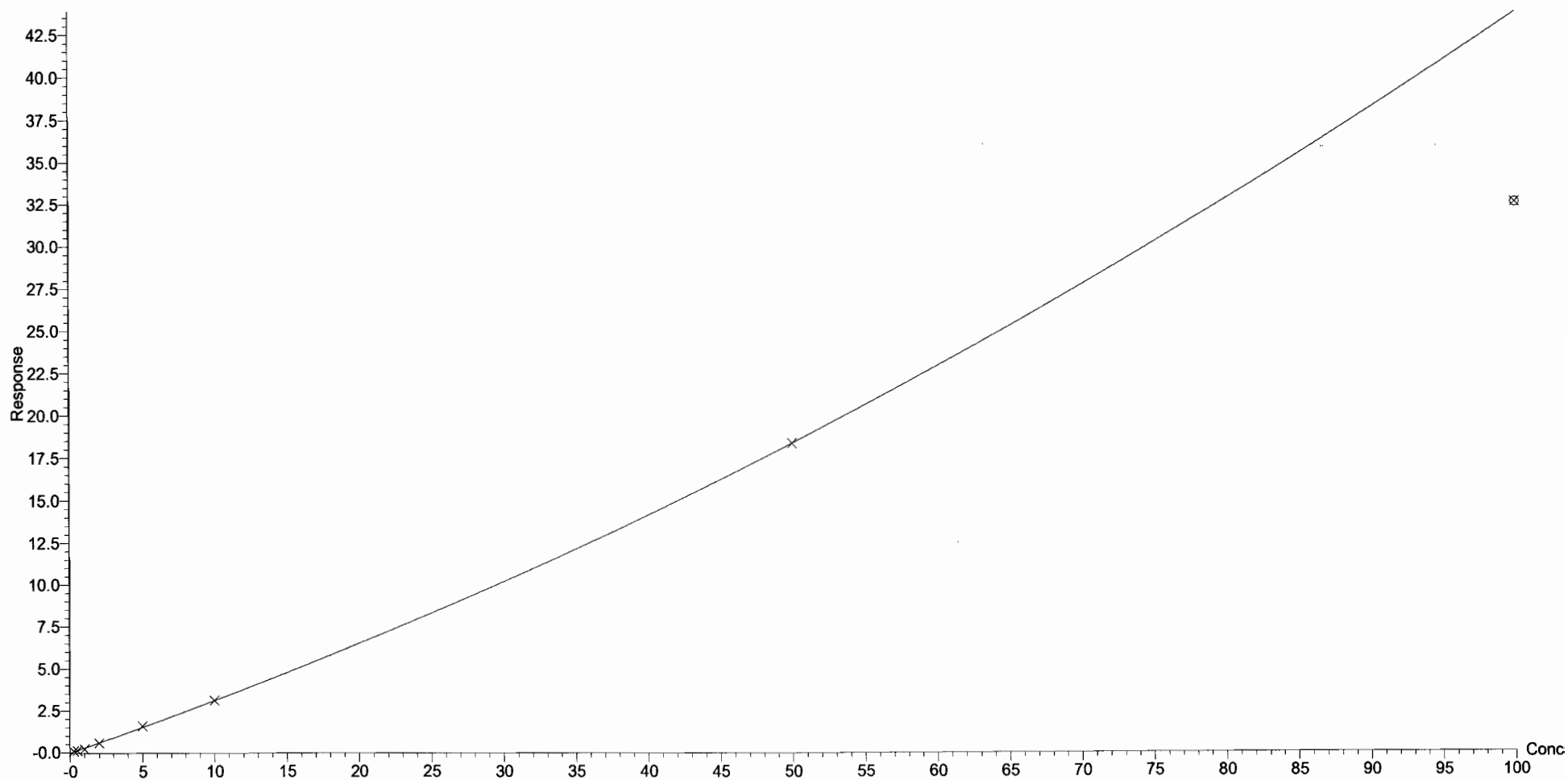
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time
Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

Compound name: 8:2 FTS
Coefficient of Determination: $R^2 = 0.998718$
Calibration curve: $0.00142024 * x^2 + 0.296775 * x + -0.0229517$
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

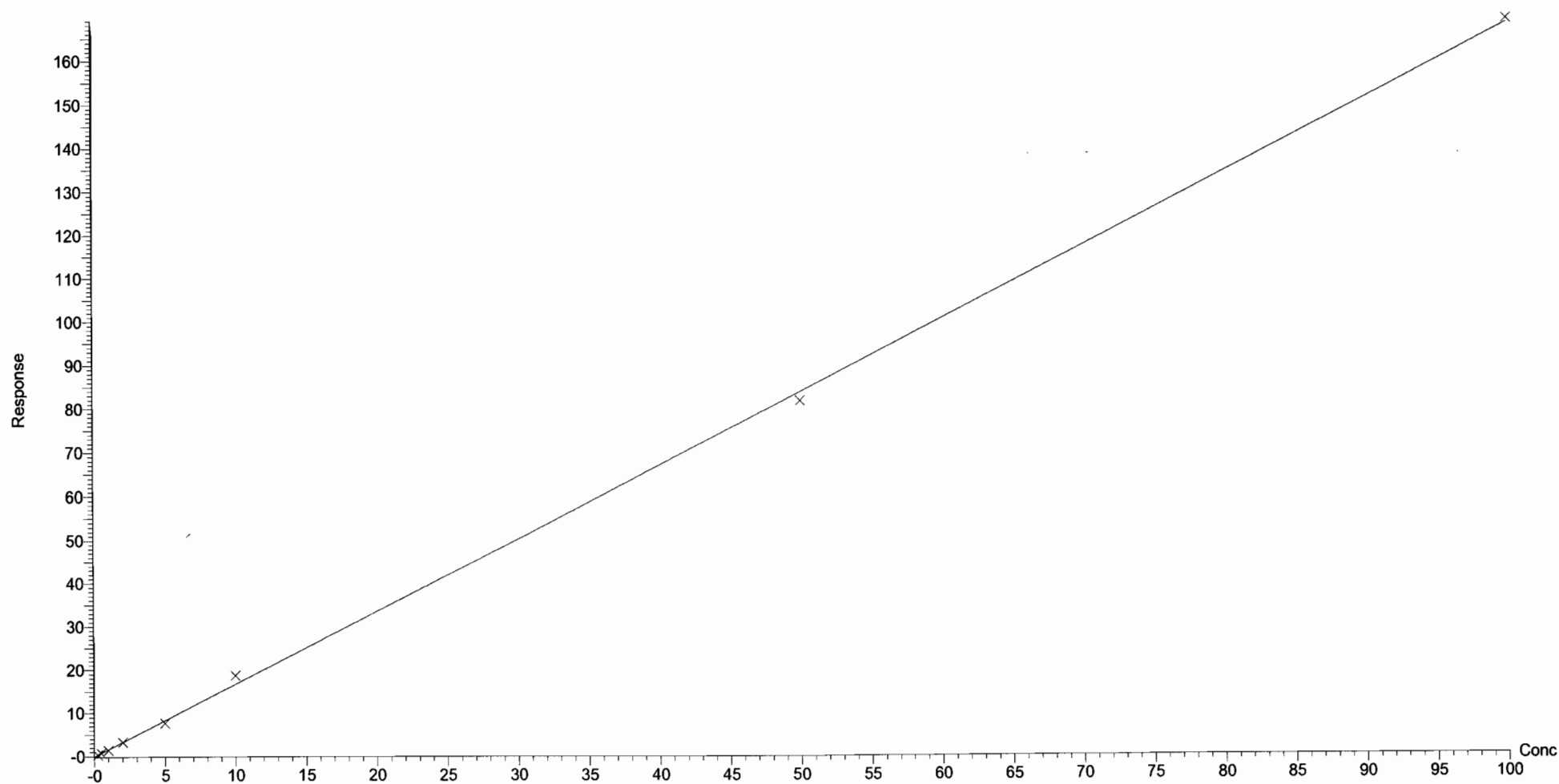
Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.998636$

Calibration curve: $0.000145261 * x^2 + 1.66875 * x + -0.0626511$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

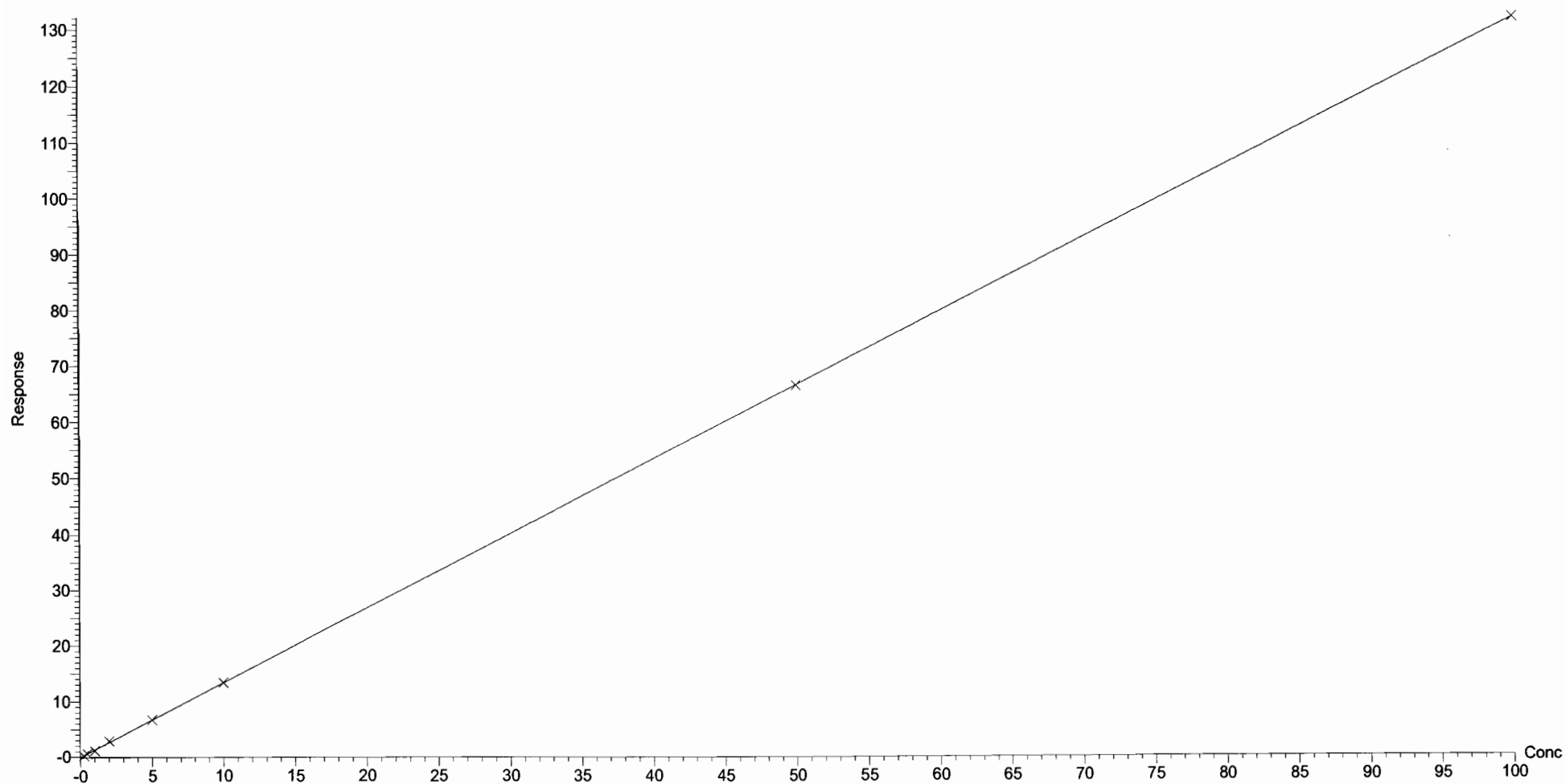
Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999635$

Calibration curve: $-0.000224178 * x^2 + 1.34483 * x + -0.0879337$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

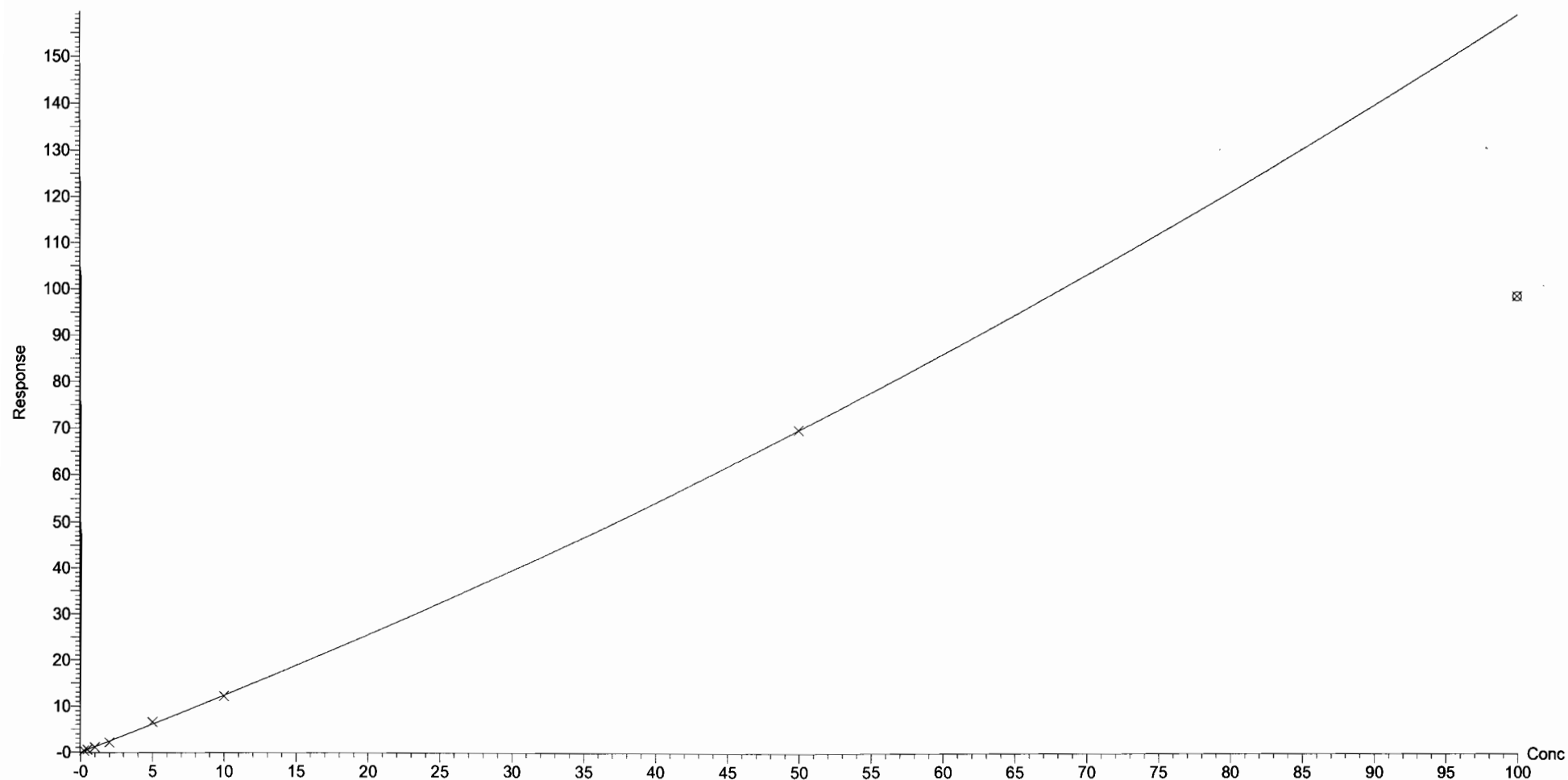
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.999185$

Calibration curve: $0.00400691 * x^2 + 1.19417 * x + 0.0119652$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 16:04:07 Pacific Standard Time

Printed: Friday, December 29, 2017 16:05:29 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122717.mdb 29 Dec 2017 11:28:58

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

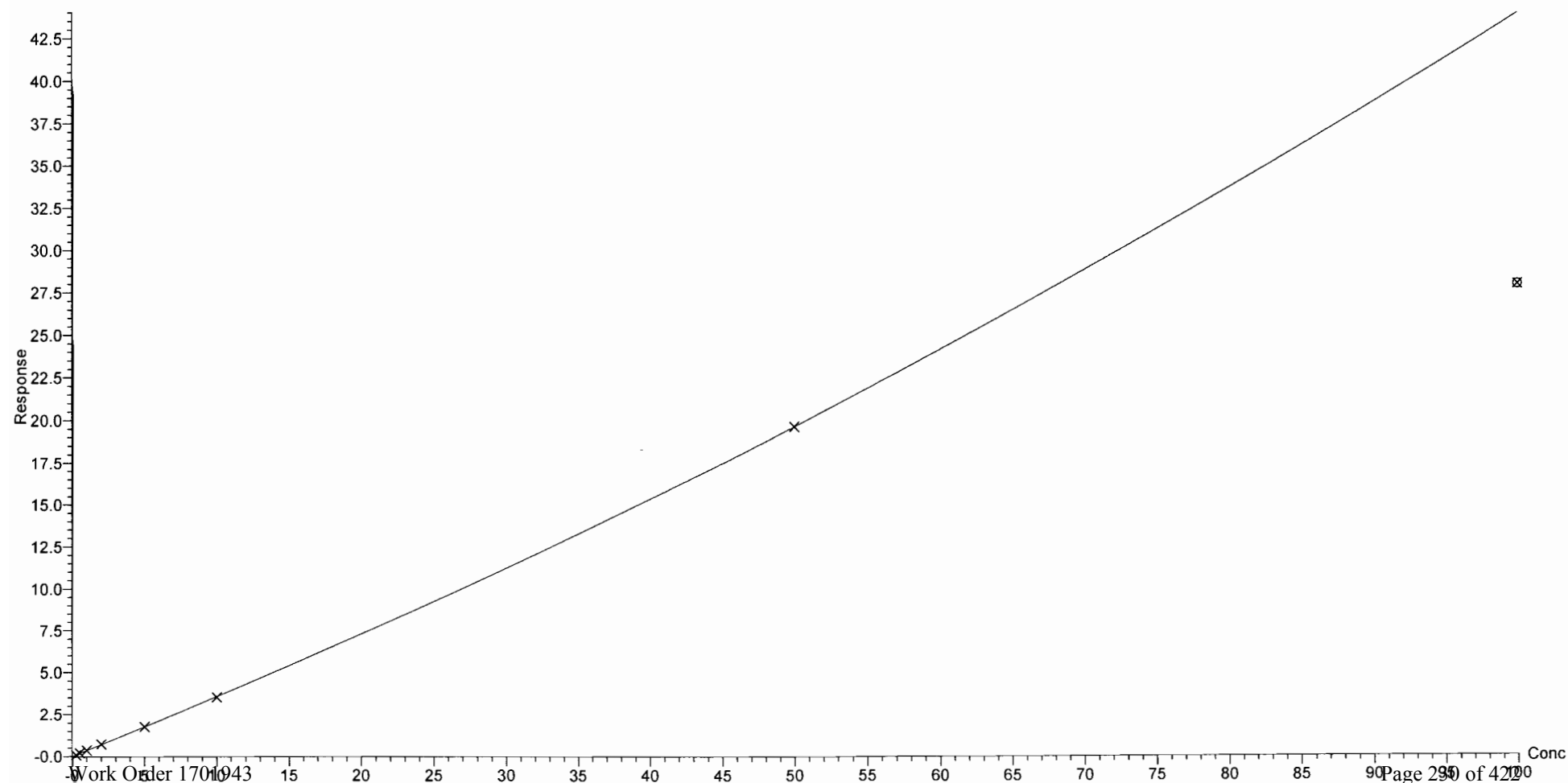
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999749$

Calibration curve: $0.000948867 * x^2 + 0.345044 * x + 0.010668$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 16:04:07 Pacific Standard Time

Printed: Friday, December 29, 2017 16:05:29 Pacific Standard Time

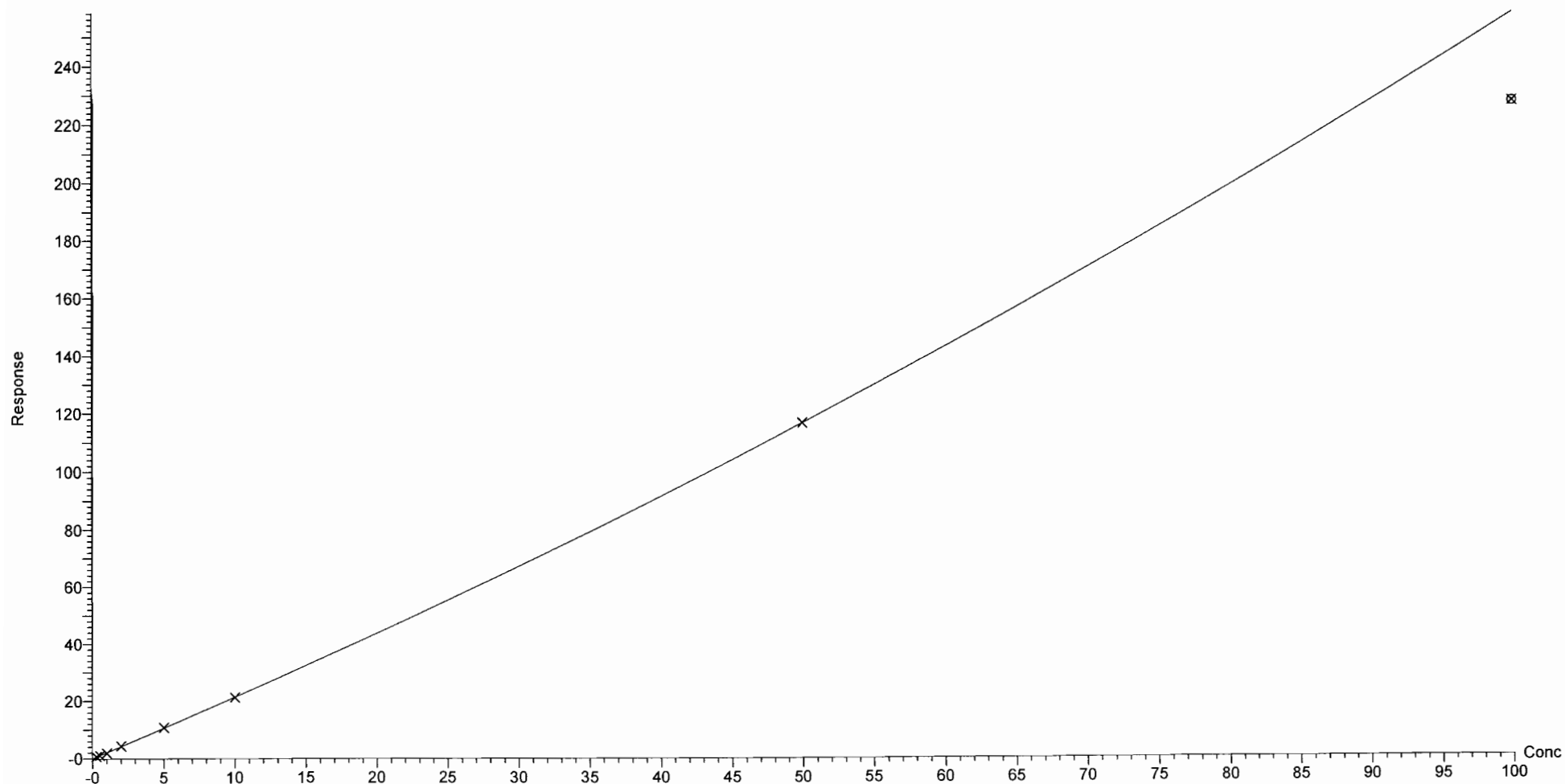
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999669$

Calibration curve: $0.00495795 * x^2 + 2.08516 * x + -0.00338272$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

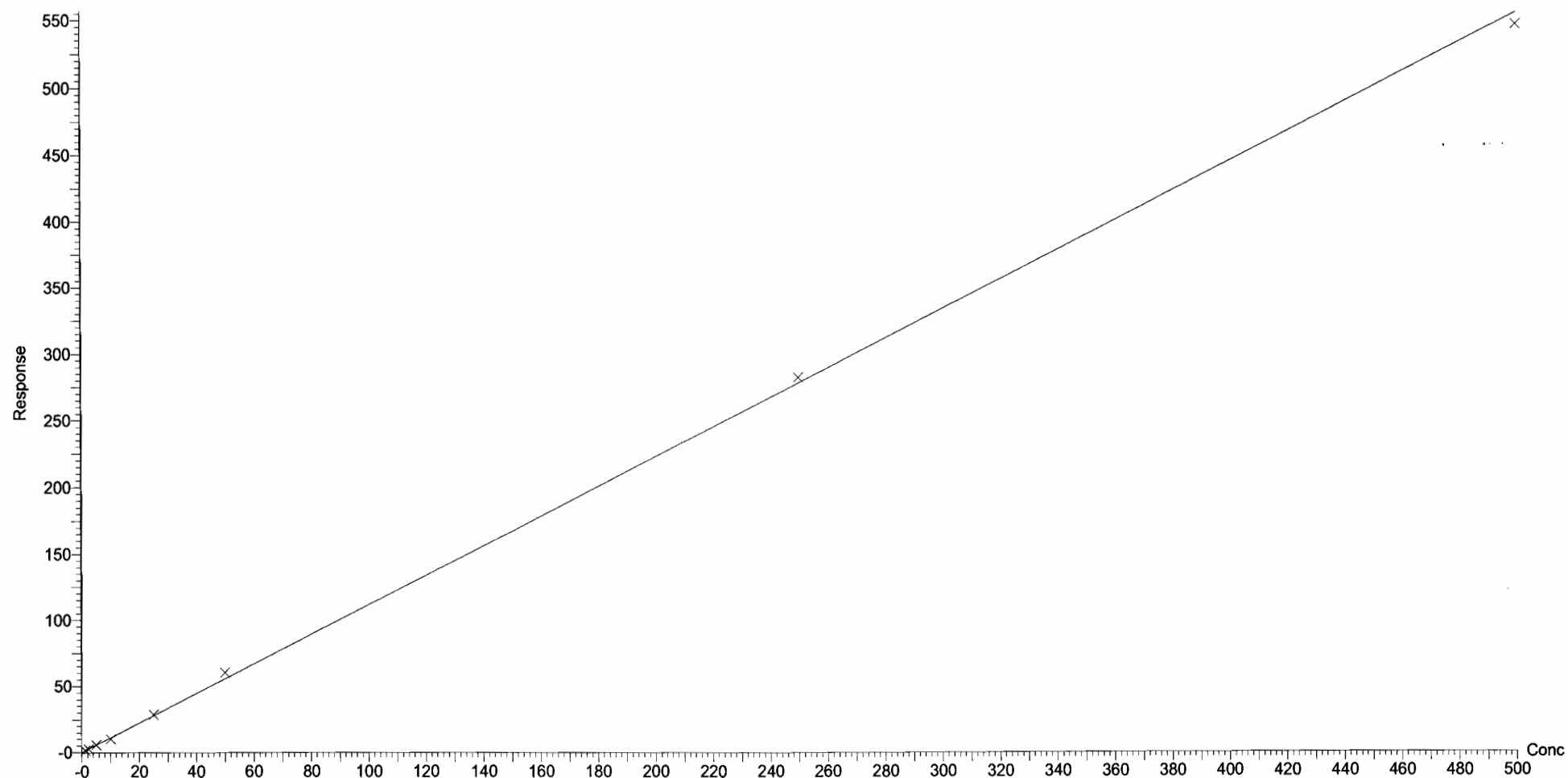
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time
Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

Compound name: N-MeFOSA
Correlation coefficient: $r = 0.999575$, $r^2 = 0.999151$
Calibration curve: $1.1137 * x + -0.0420228$
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

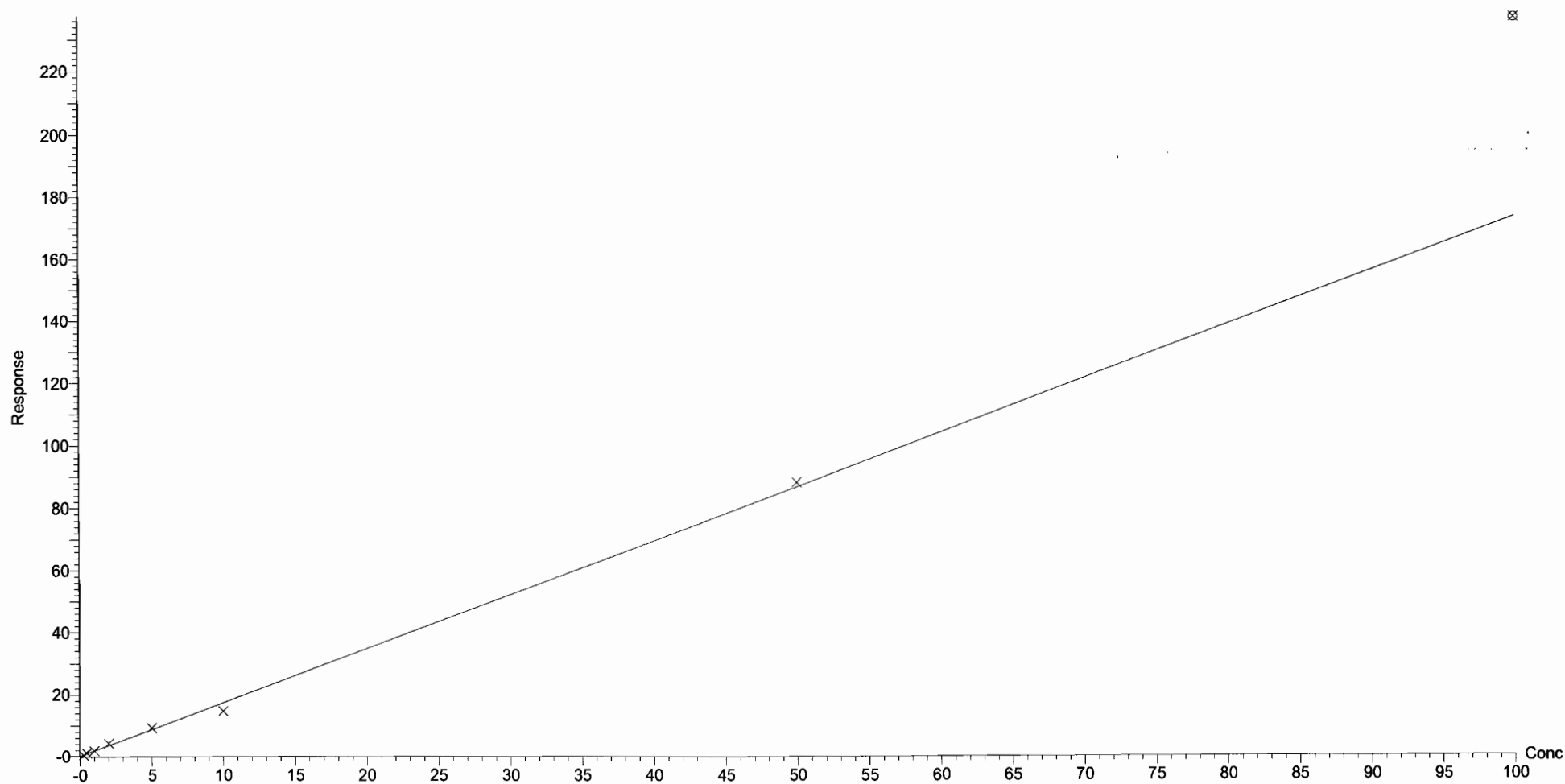
Compound name: PFTTrDA

Correlation coefficient: $r = 0.997052$, $r^2 = 0.994114$

Calibration curve: $1.7339 * x + 0.0945455$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

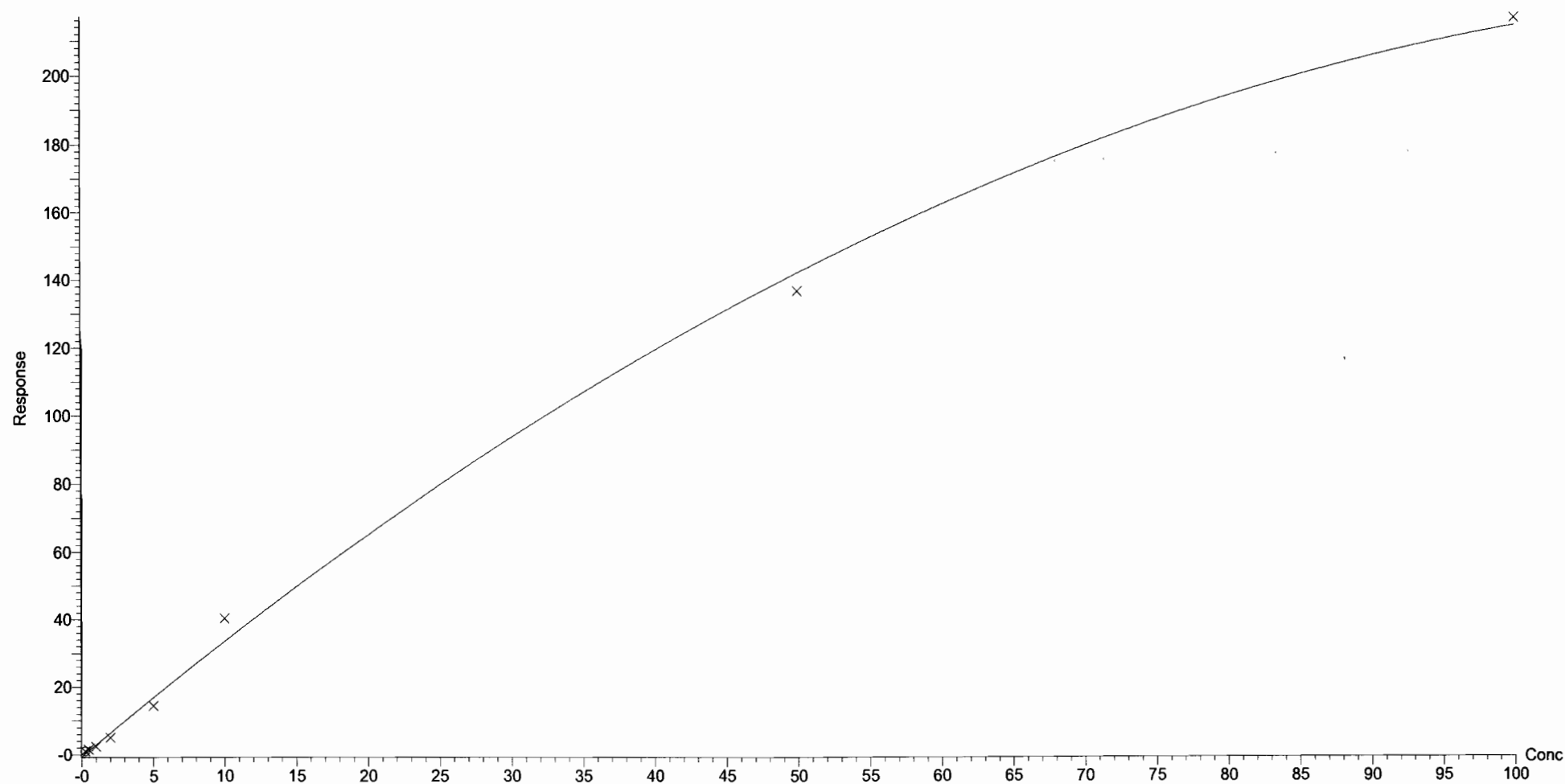
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.992136$

Calibration curve: $-0.0140955 * x^2 + 3.56538 * x + -0.690853$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

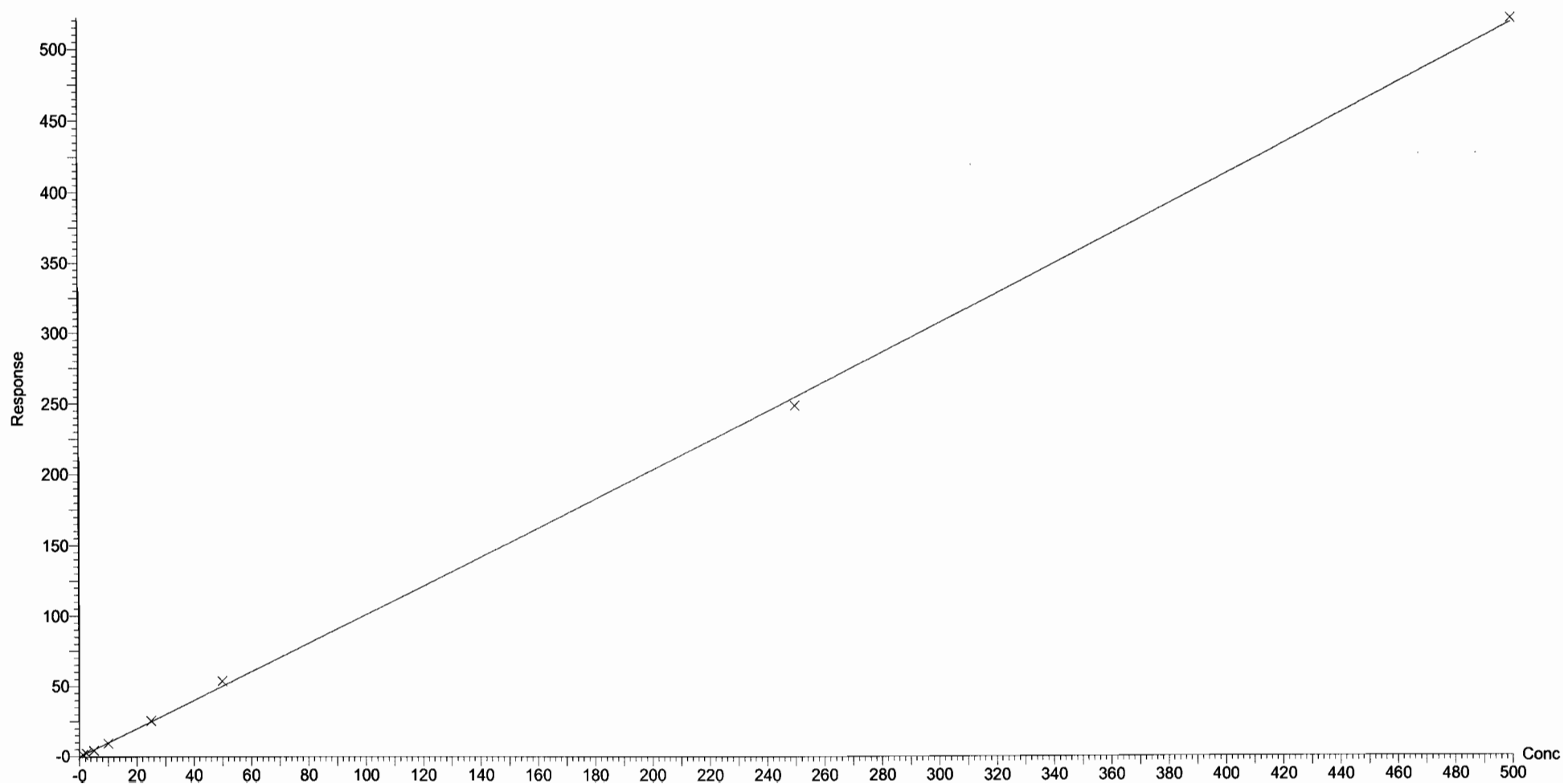
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999388$

Calibration curve: $7.91091e-005 * x^2 + 0.999512 * x + -0.30824$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

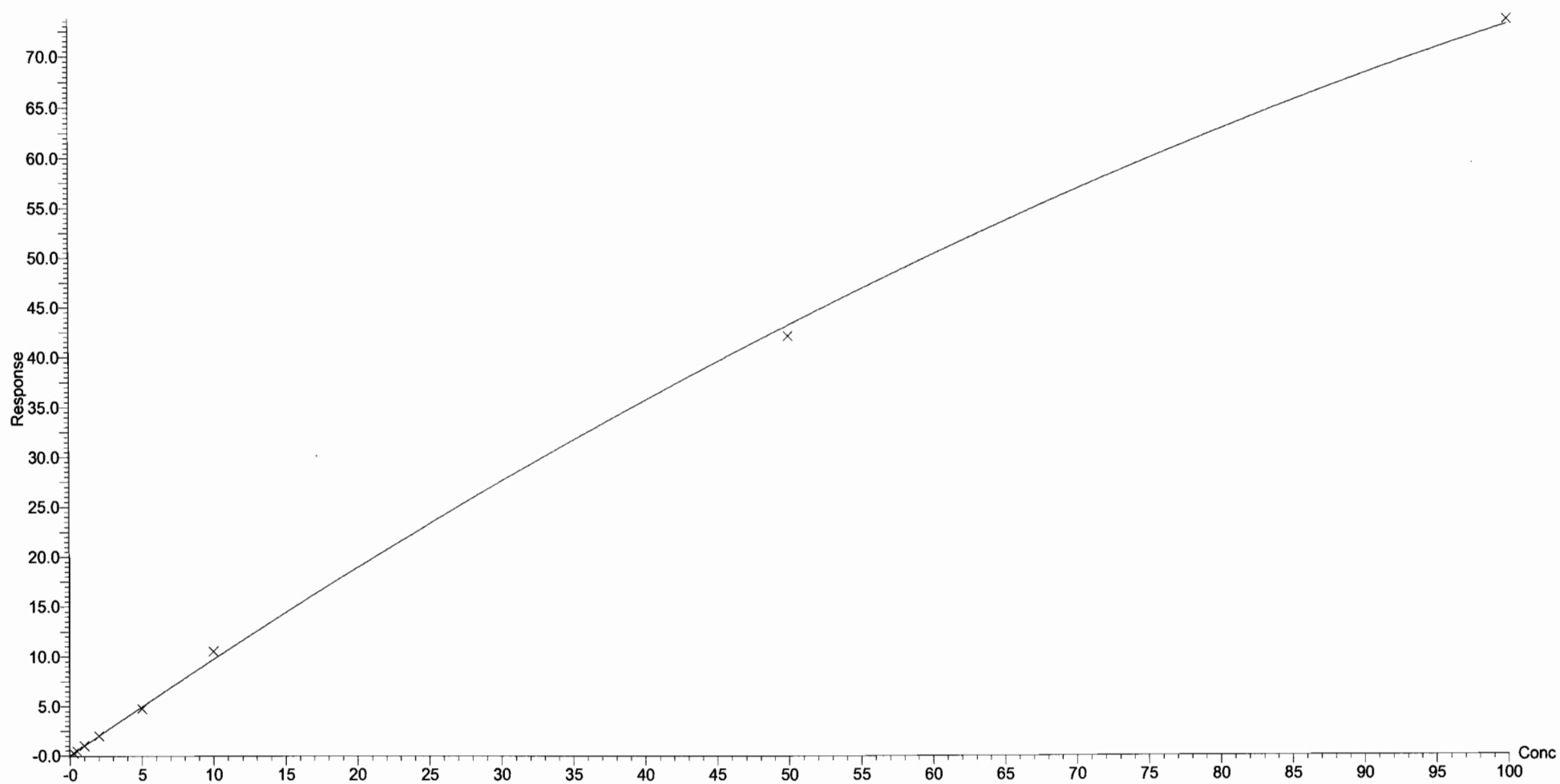
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998957$

Calibration curve: $-0.00263936 * x^2 + 0.996705 * x + 0.0130421$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

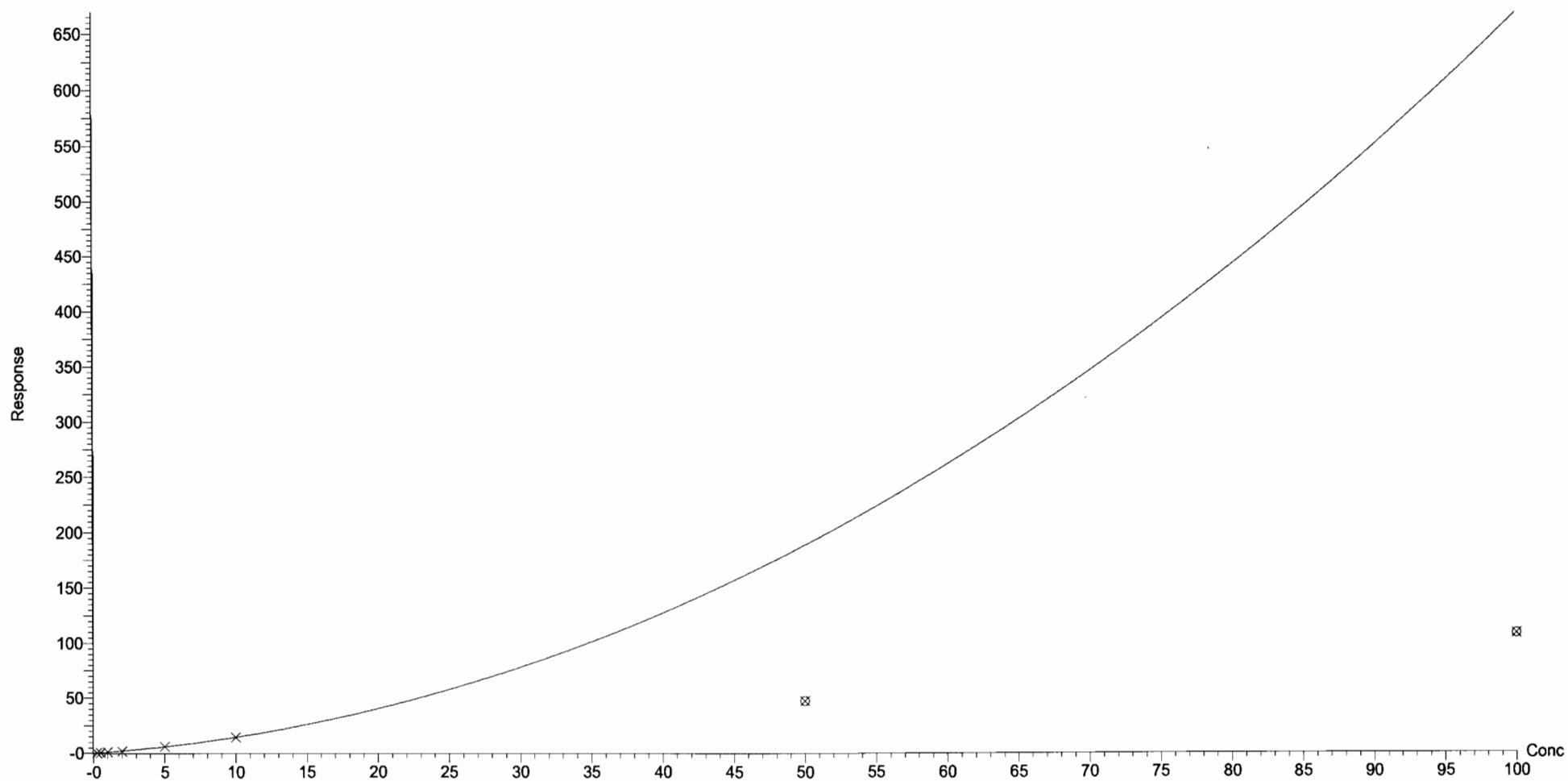
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.995499$

Calibration curve: $0.0585969 * x^2 + 0.831628 * x + 0.090875$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

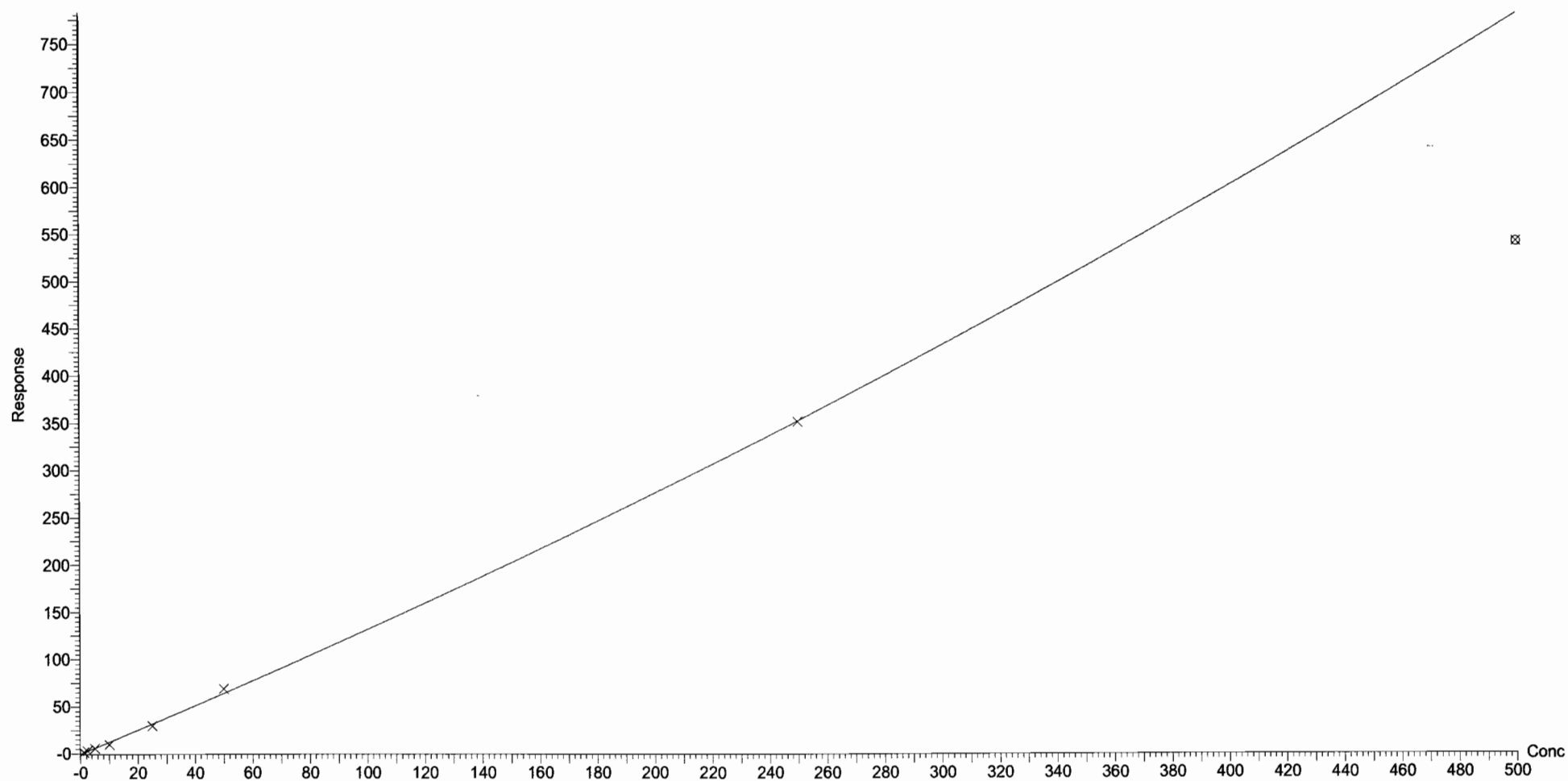
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.997660$

Calibration curve: $0.000615894 * x^2 + 1.25794 * x + -0.447176$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:33:15 Pacific Standard Time

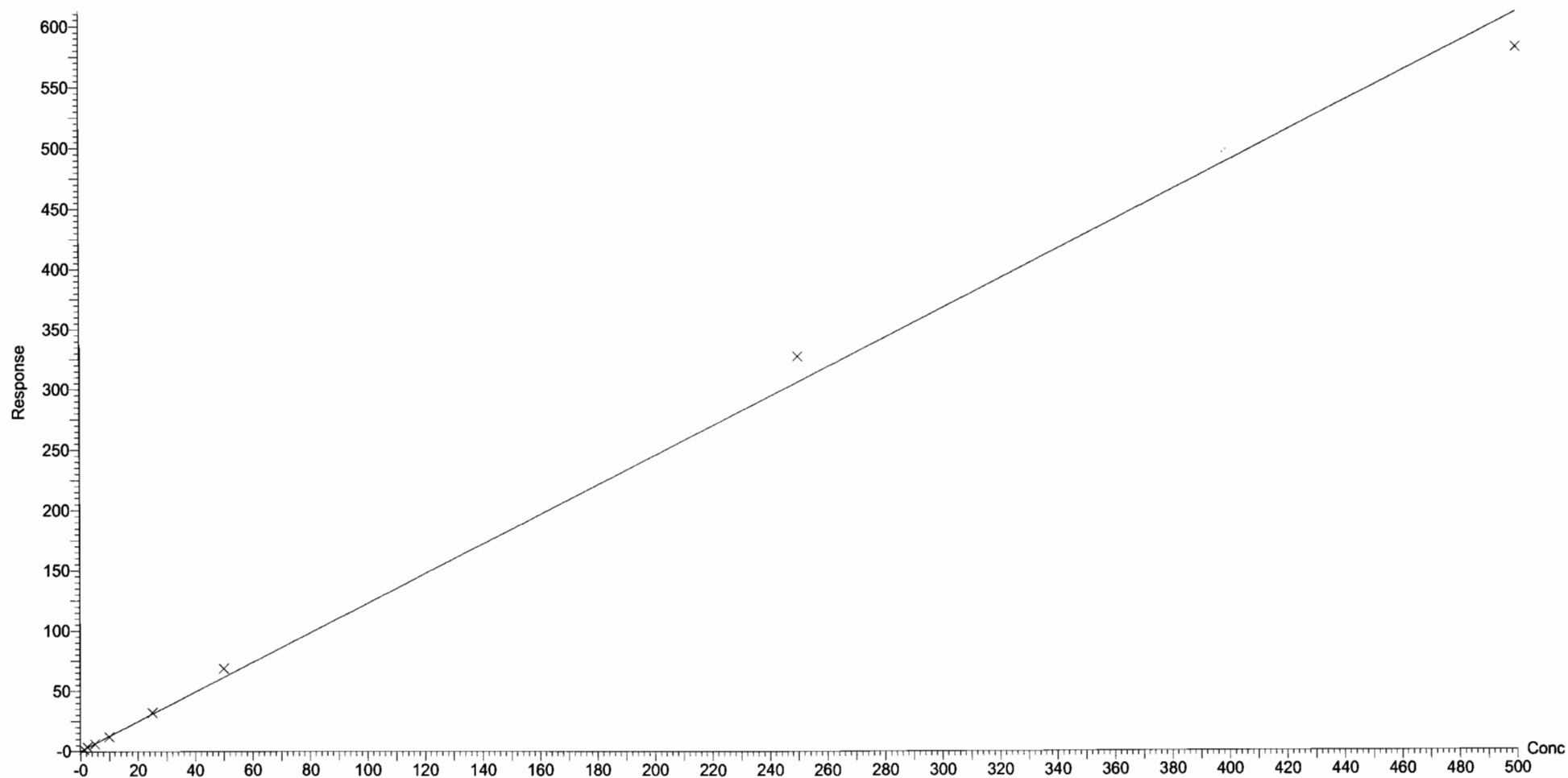
Compound name: N-EtFOSE

Correlation coefficient: $r = 0.998071$, $r^2 = 0.996146$

Calibration curve: $1.22487 * x + 0.0980341$

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\171229M2\171229M2-CRV.qld

Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

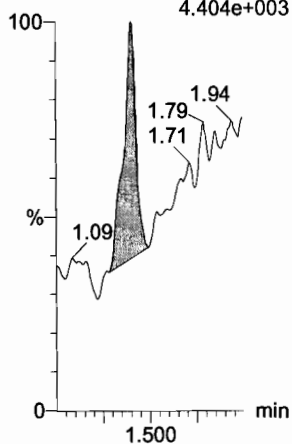
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 15:29:28

Name: 171229M2_2, Date: 29-Dec-2017, Time: 13:31:42, ID: ST171229M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

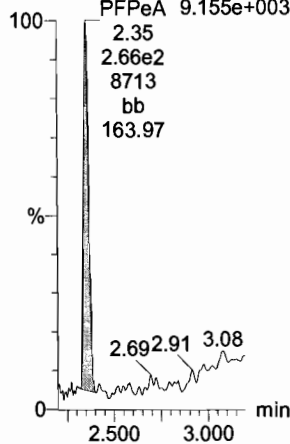
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
4.404e+003



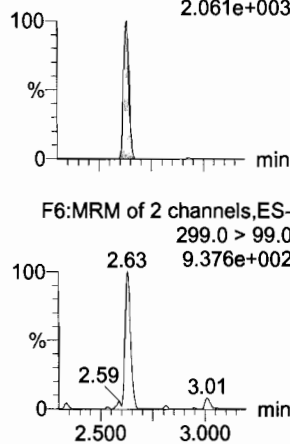
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
9.155e+003



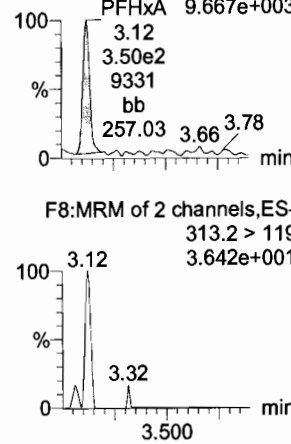
PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
2.061e+003



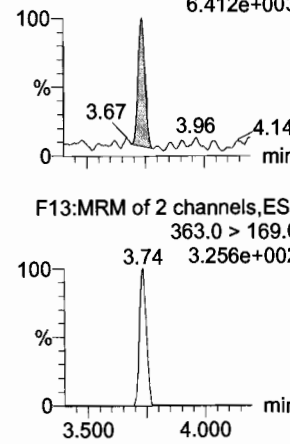
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
9.667e+003



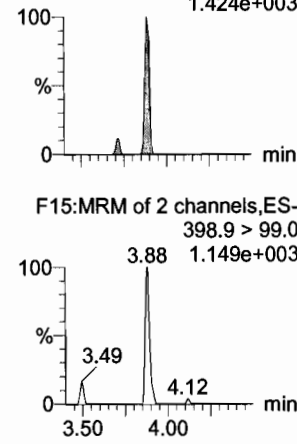
PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
6.412e+003



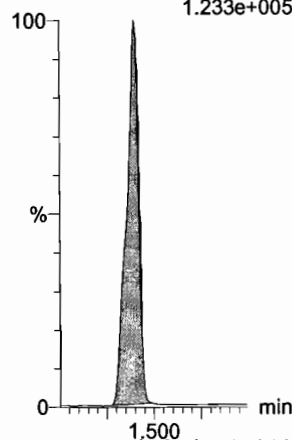
L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
1.424e+003



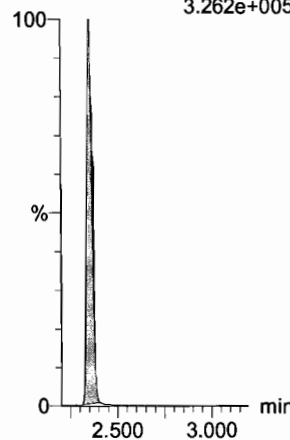
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.233e+005



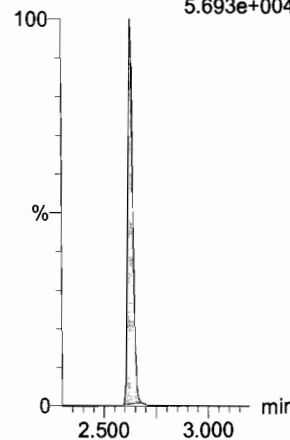
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.262e+005



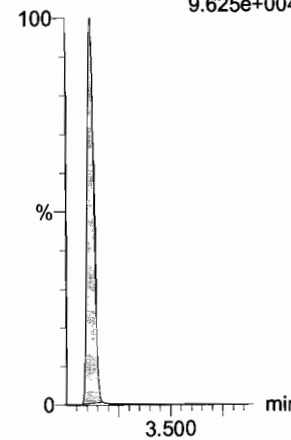
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.693e+004



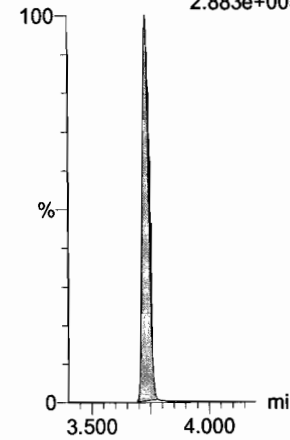
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
9.625e+004



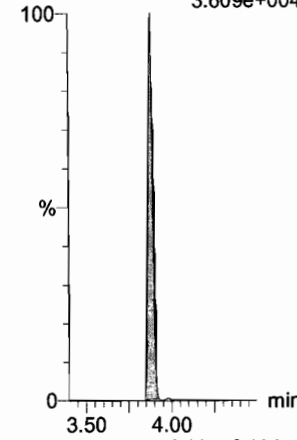
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
2.883e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
3.609e+004



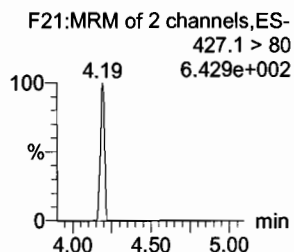
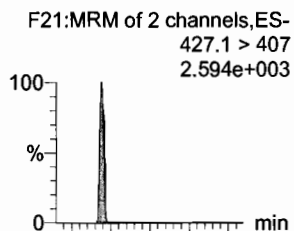
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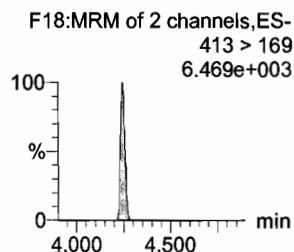
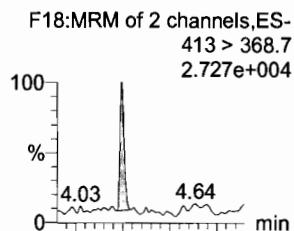
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Name: 171229M2_2, Date: 29-Dec-2017, Time: 13:31:42, ID: ST171229M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

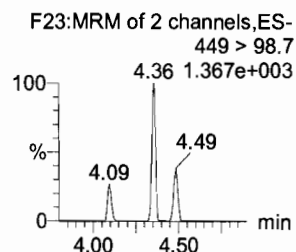
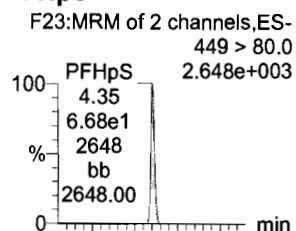
6:2 FTS



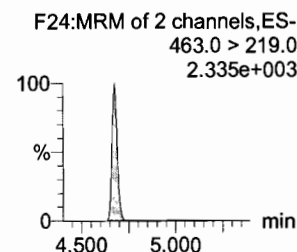
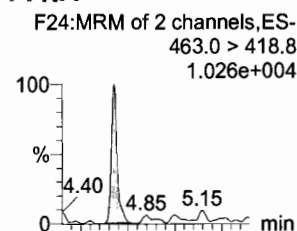
L-PFOA



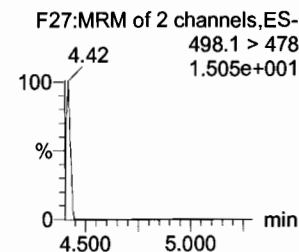
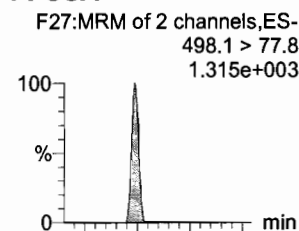
PFHpS



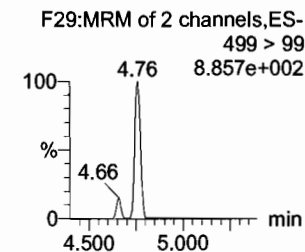
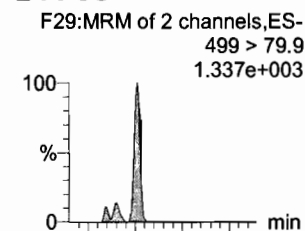
PFNA



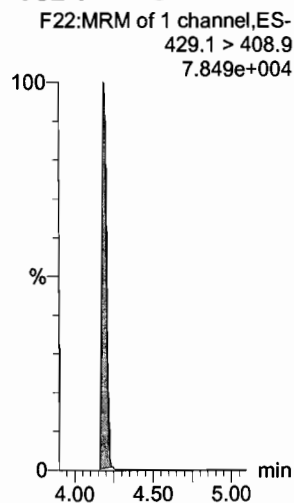
PFOSA



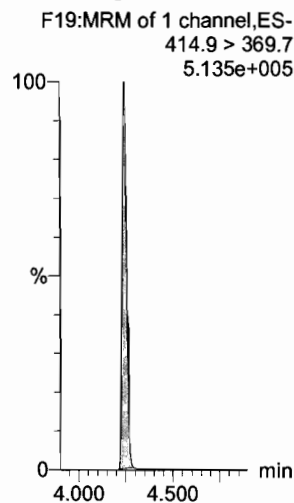
L-PFOS



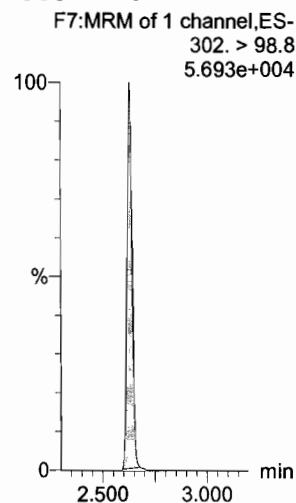
13C2-6:2 FTS



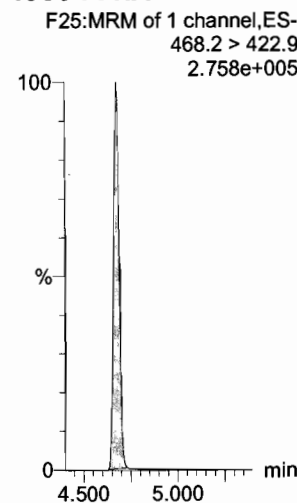
13C2-PFOA



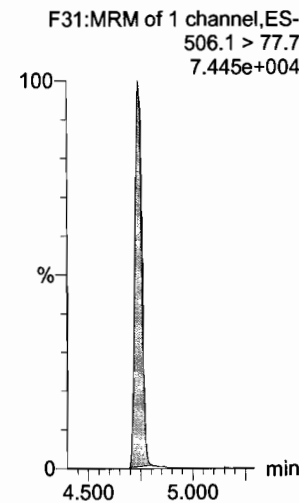
13C3-PFBS



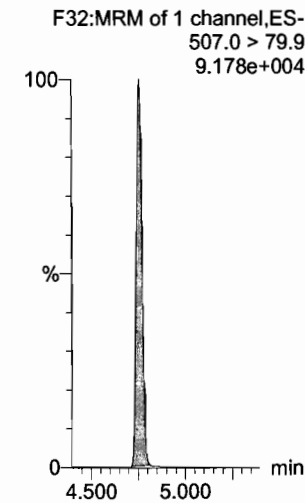
13C5-PFNA



13C8-PFOSA



13C8-PFOS



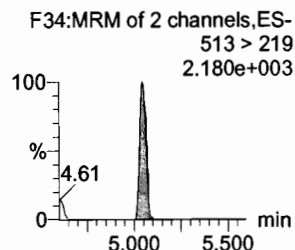
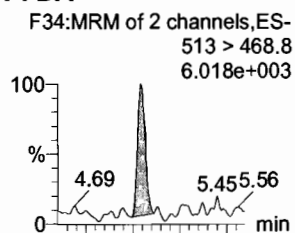
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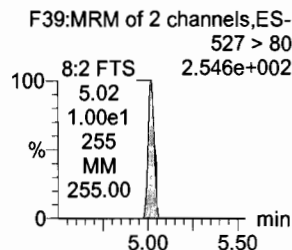
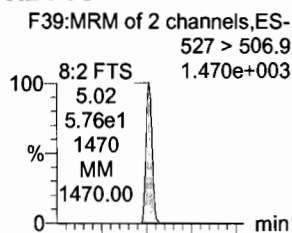
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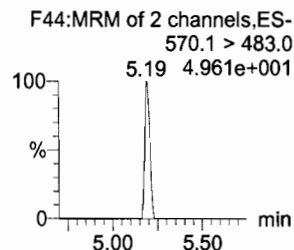
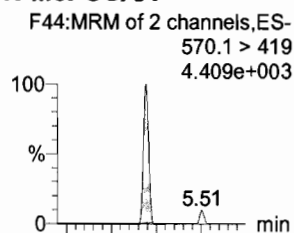
PFDA



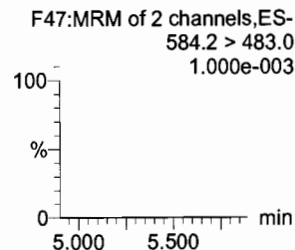
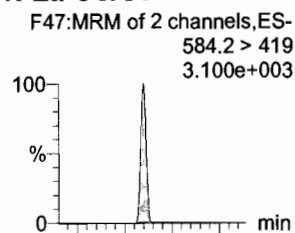
8:2 FTS



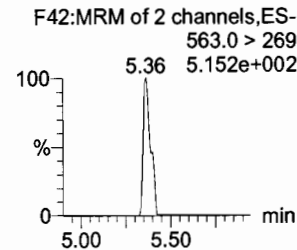
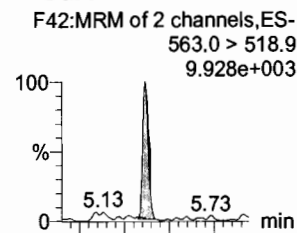
N-MeFOSAA



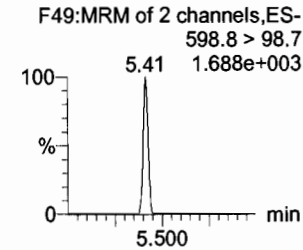
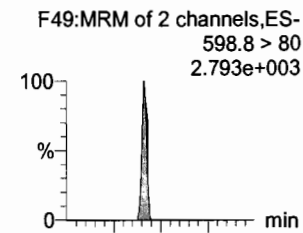
N-EtFOSAA



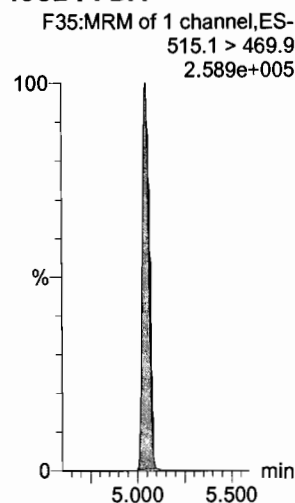
PFUdA



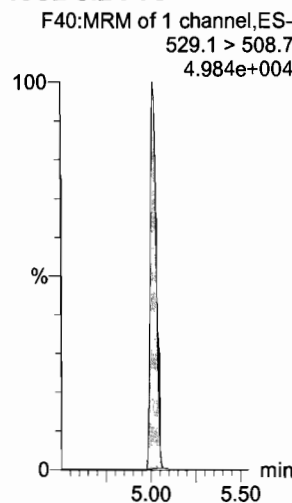
PFDS



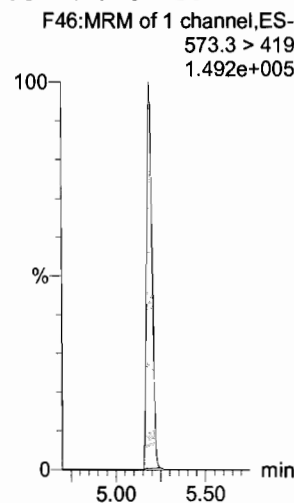
13C2-PFDA



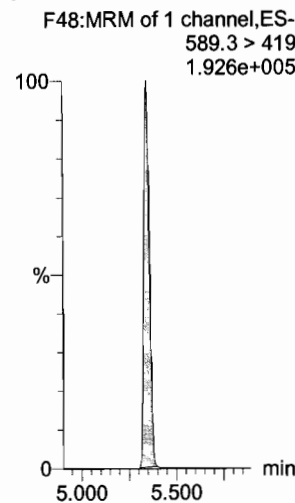
13C2-8:2 FTS



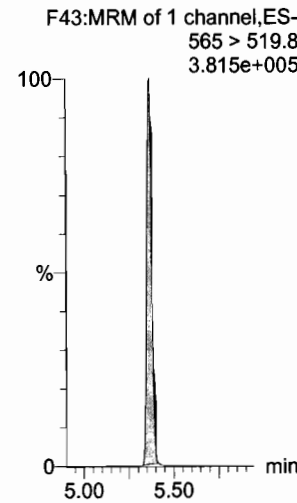
d3-N-MeFOSAA



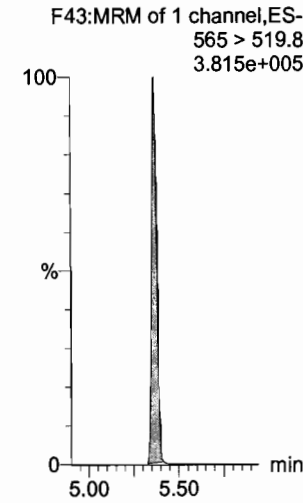
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



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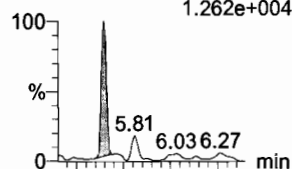
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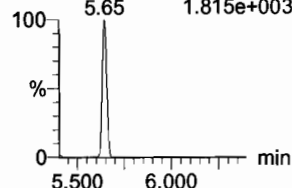
Name: 171229M2_2, Date: 29-Dec-2017, Time: 13:31:42, ID: ST171229M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

PFDaA

F50:MRM of 2 channels,ES-
612.9 > 569.0
1.262e+004

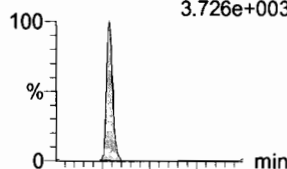


F50:MRM of 2 channels,ES-
612.9 > 318.8
1.815e+003

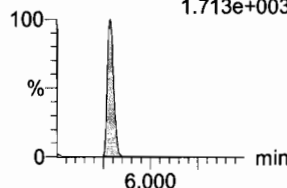


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
3.726e+003

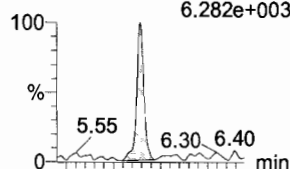


F33:MRM of 2 channels,ES-
512.1 > 219
1.713e+003

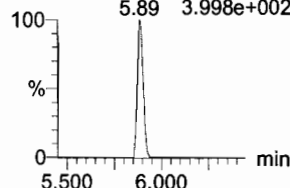


PFTTrDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
6.282e+003

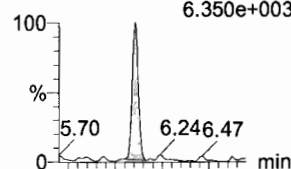


F56:MRM of 2 channels,ES-
662.9 > 319
3.998e+002

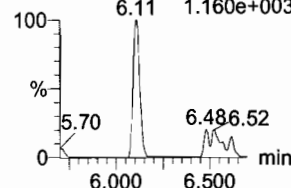


PFTeDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
6.350e+003

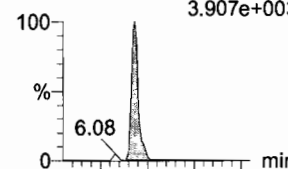


F57:MRM of 2 channels,ES-
712.9 > 369
1.160e+003

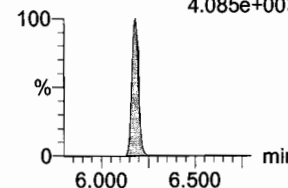


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
3.907e+003

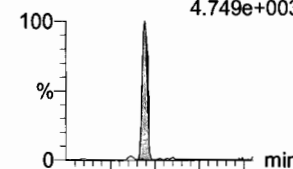


F38:MRM of 2 channels,ES-
526.1 > 219
4.085e+003

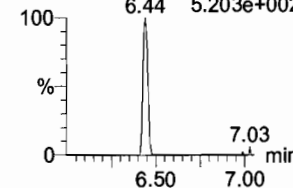


PFHxDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
4.749e+003

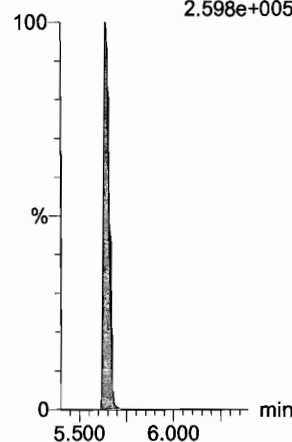


F59:MRM of 2 channels,ES-
813.1 > 219
5.203e+002



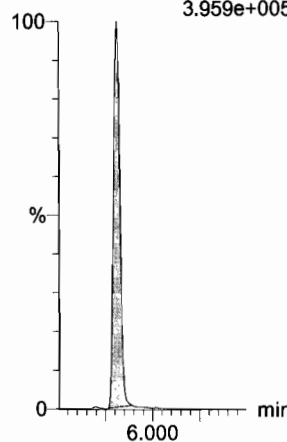
13C2-PFDaA

F51:MRM of 1 channel,ES-
615.0 > 569.7
2.598e+005



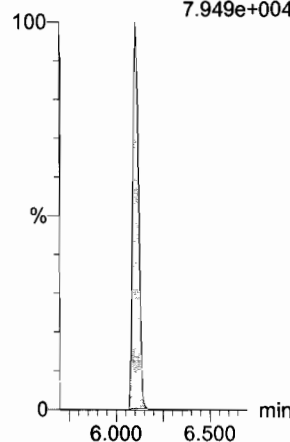
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
3.959e+005



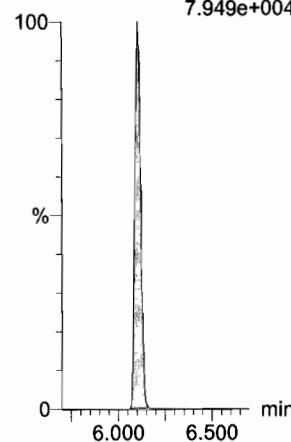
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.949e+004



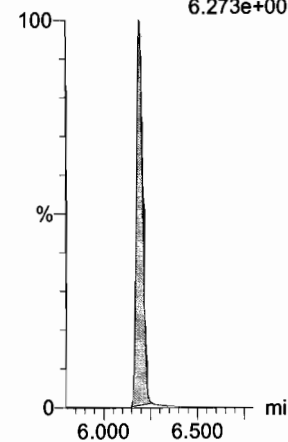
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.949e+004



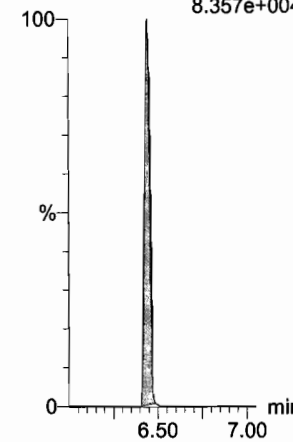
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
6.273e+005



13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.357e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

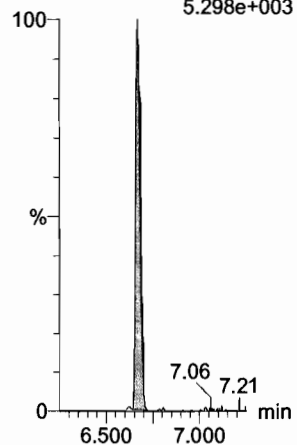
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_2, Date: 29-Dec-2017, Time: 13:31:42, ID: ST171229M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

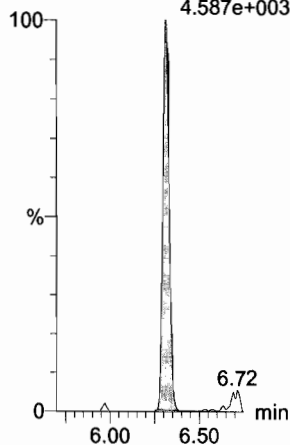
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
5.298e+003



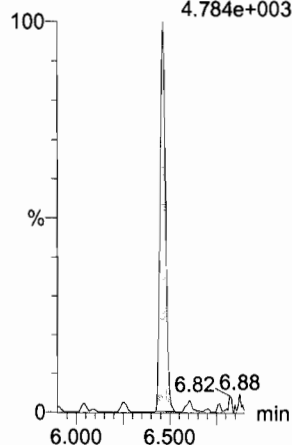
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
4.587e+003



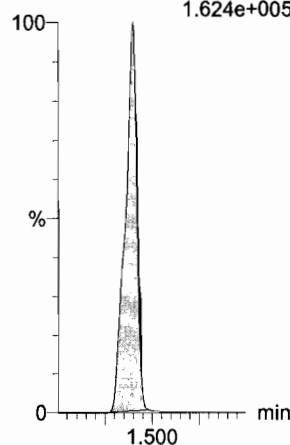
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
4.784e+003



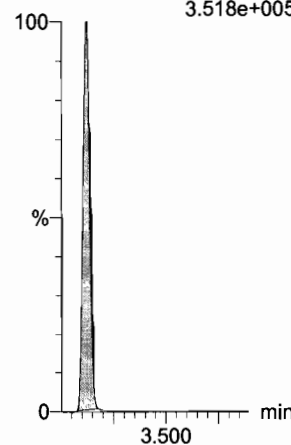
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.624e+005



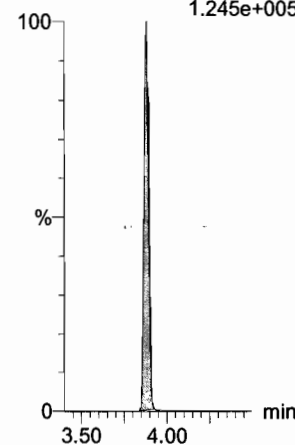
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
3.518e+005



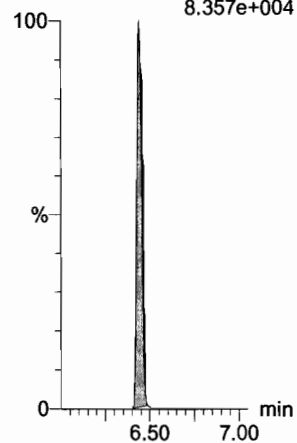
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.245e+005



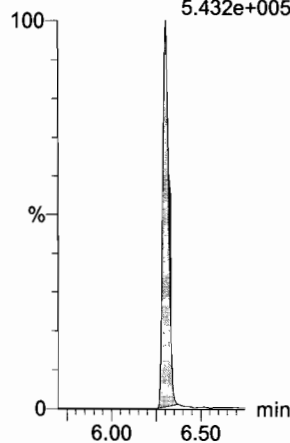
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.357e+004



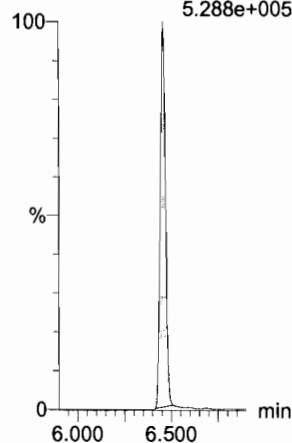
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.432e+005



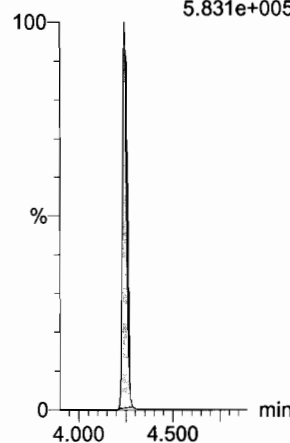
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.288e+005



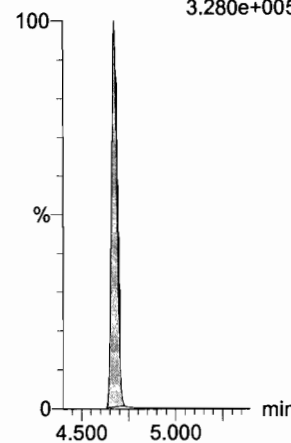
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.831e+005



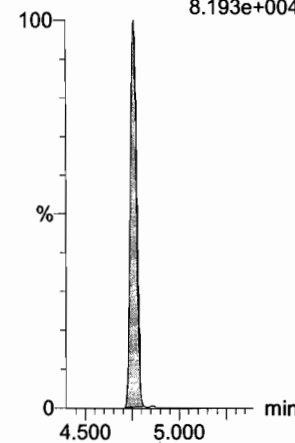
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.280e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
8.193e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

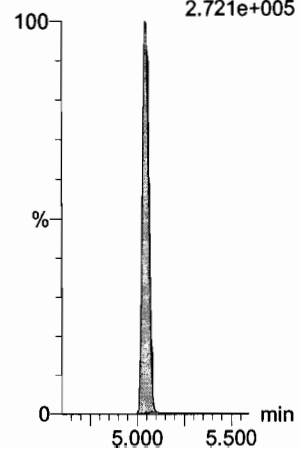
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

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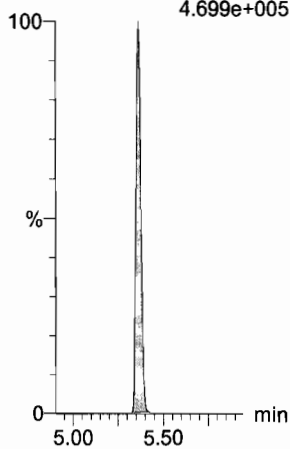
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
2.721e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.699e+005



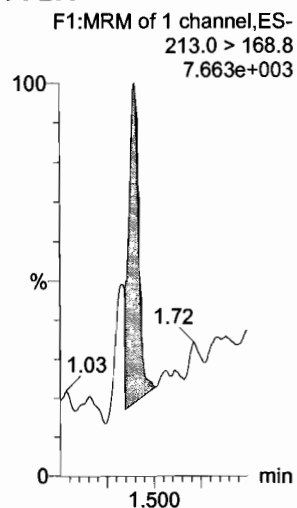
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Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

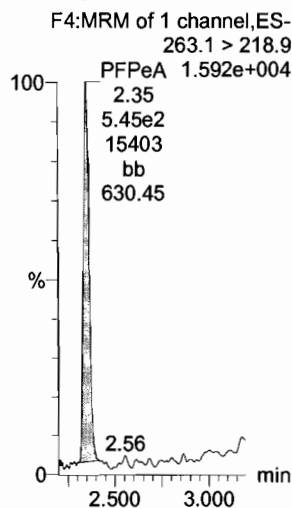
Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_3, Date: 29-Dec-2017, Time: 13:42:53, ID: ST171229M2-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

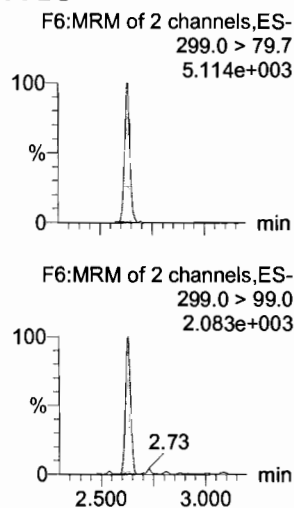
PFBA



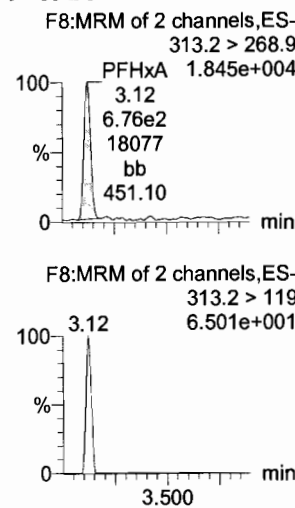
PFPeA



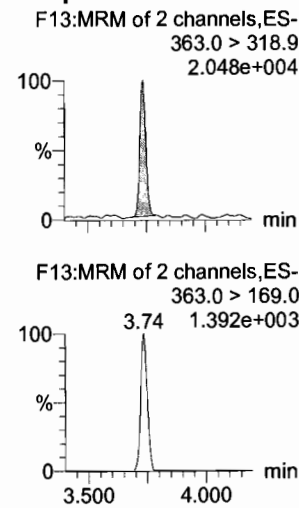
PFBS



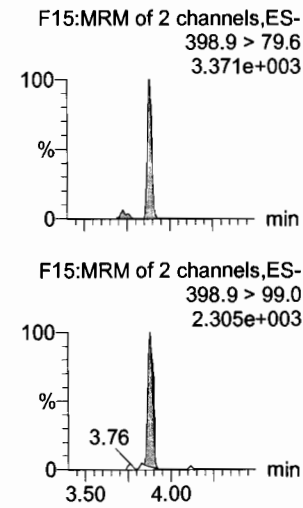
PFHxA



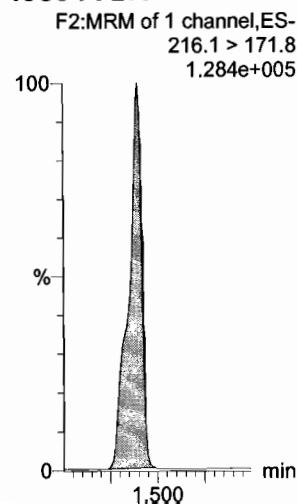
PFHpA



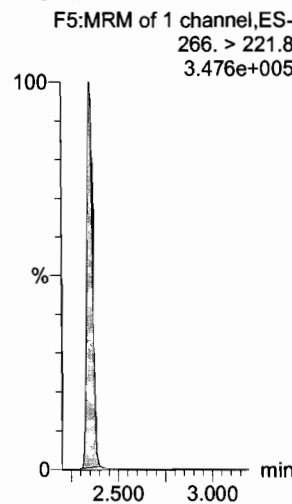
L-PFHxS



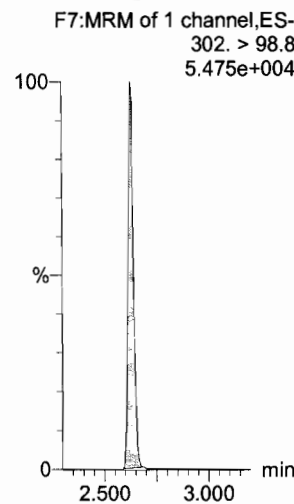
13C3-PFBA



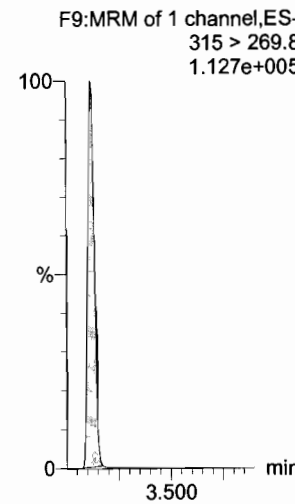
13C3-PFPeA



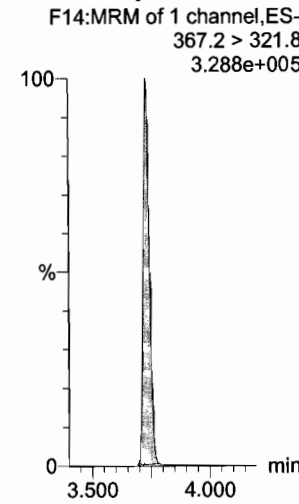
13C3-PFBS



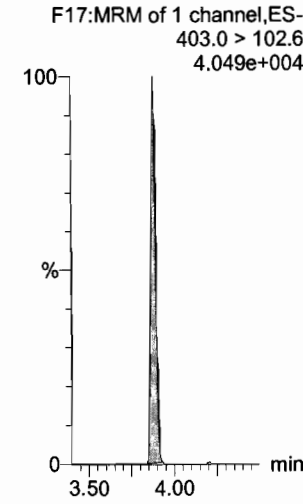
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



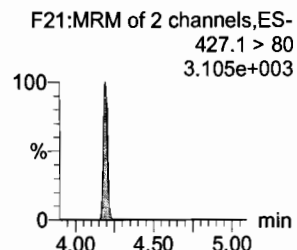
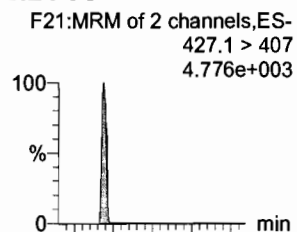
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Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

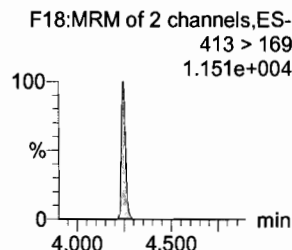
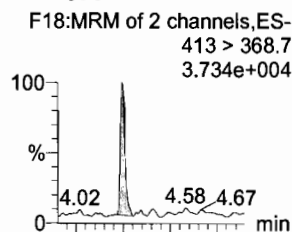
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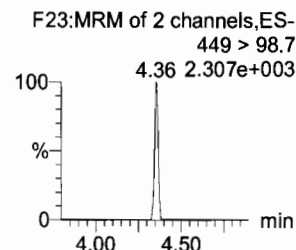
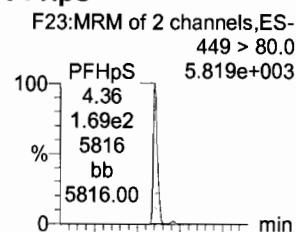
6:2 FTS



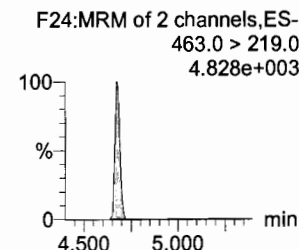
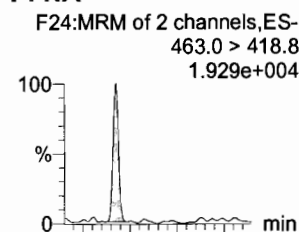
L-PFOA



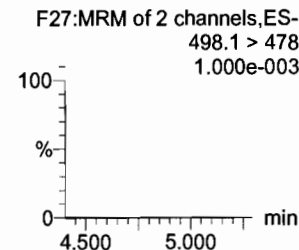
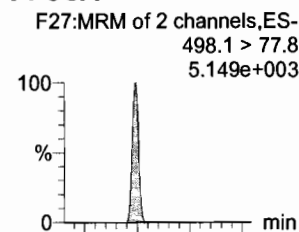
PFHpS



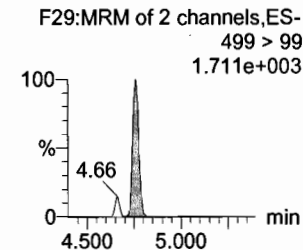
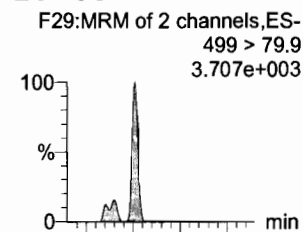
PFNA



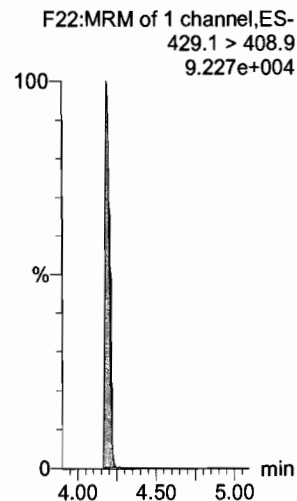
PFOSA



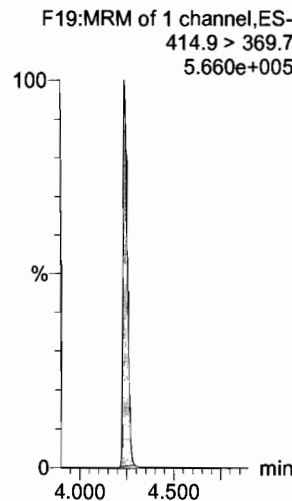
L-PFOS



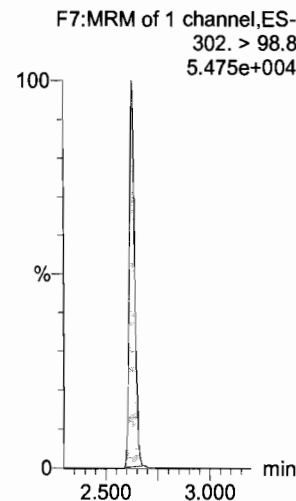
13C2-6:2 FTS



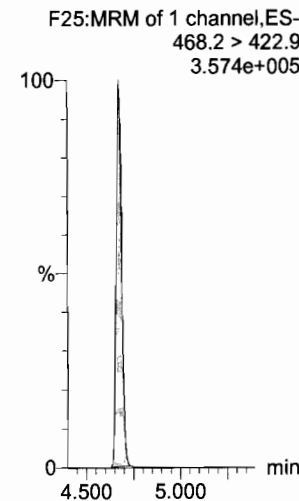
13C2-PFOA



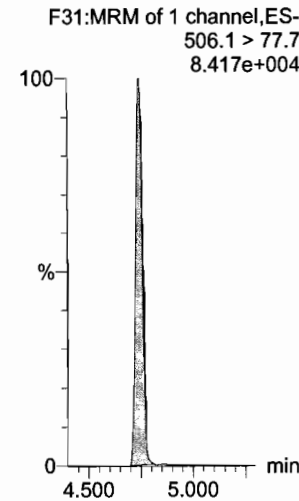
13C3-PFBS



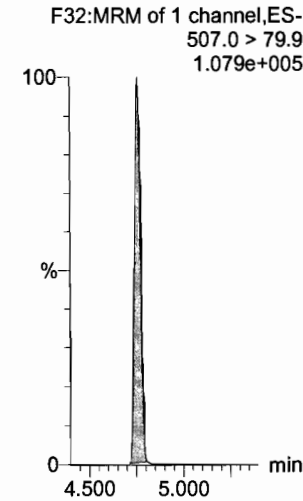
13C5-PFNA



13C8-PFOA



13C8-PFOS



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

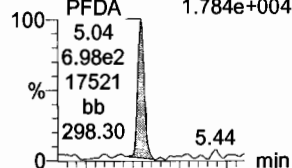
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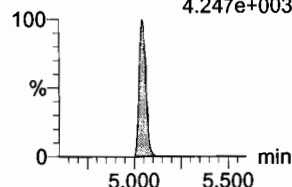
Name: 171229M2_3, Date: 29-Dec-2017, Time: 13:42:53, ID: ST171229M2-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
1.784e+004

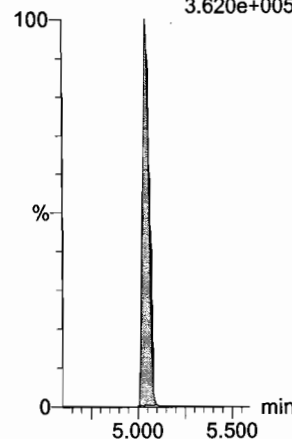


F34:MRM of 2 channels,ES-
513 > 219
4.247e+003



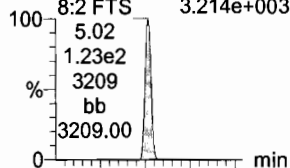
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.620e+005

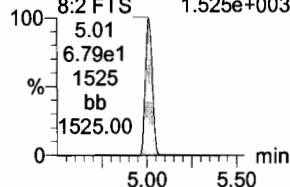


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
3.214e+003

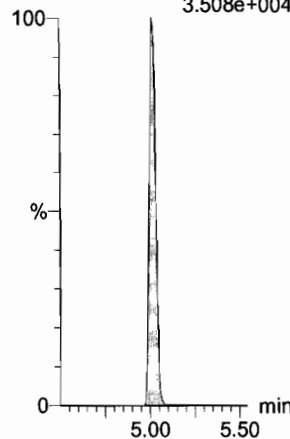


F39:MRM of 2 channels,ES-
527 > 80
1.525e+003



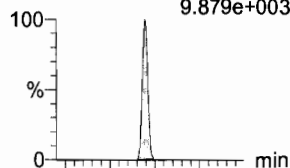
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
3.508e+004

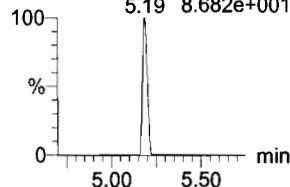


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
9.879e+003

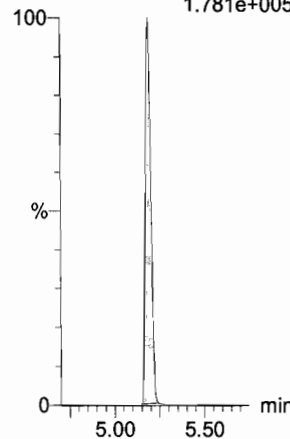


F44:MRM of 2 channels,ES-
570.1 > 483.0
8.682e+001



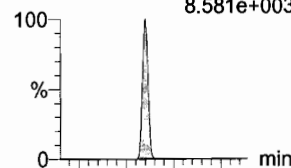
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.781e+005

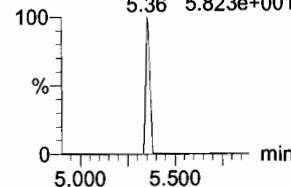


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
8.581e+003

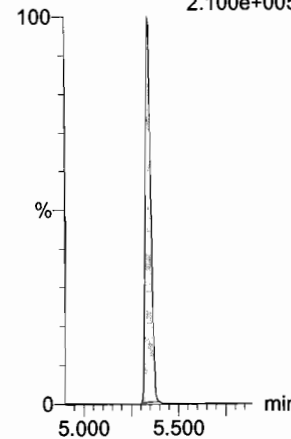


F47:MRM of 2 channels,ES-
584.2 > 483.0
5.823e+001



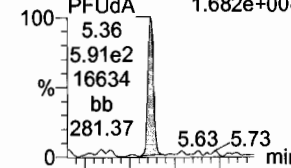
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.100e+005

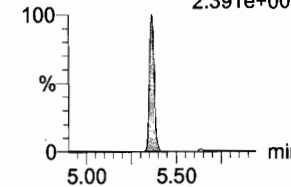


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
1.682e+004

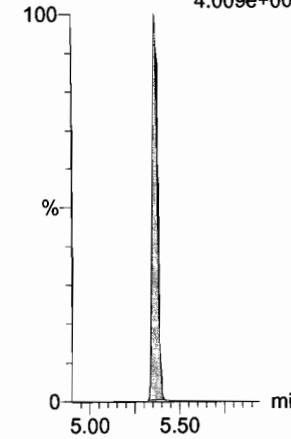


F42:MRM of 2 channels,ES-
563.0 > 269
2.391e+003



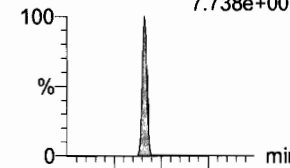
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.009e+005

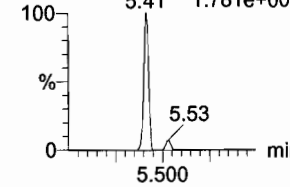


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
7.738e+003

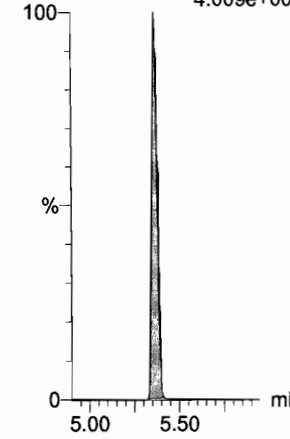


F49:MRM of 2 channels,ES-
598.8 > 98.7
1.781e+003



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.009e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

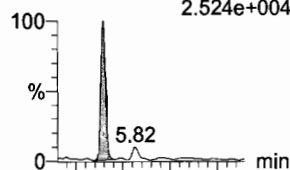
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

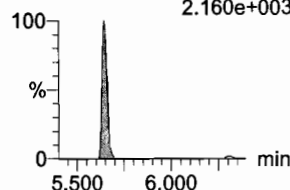
Name: 171229M2_3, Date: 29-Dec-2017, Time: 13:42:53, ID: ST171229M2-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

PFD_oA

F50:MRM of 2 channels,ES-
612.9 > 569.0
2.524e+004

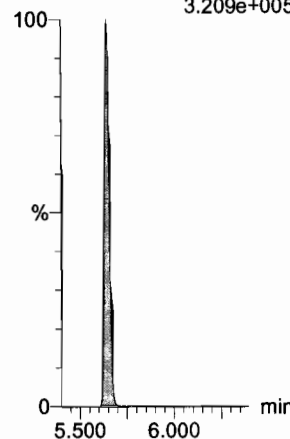


F50:MRM of 2 channels,ES-
612.9 > 318.8
2.160e+003



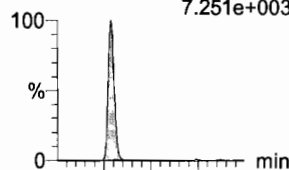
¹³C2-PFD_oA

F51:MRM of 1 channel,ES-
615.0 > 569.7
3.209e+005

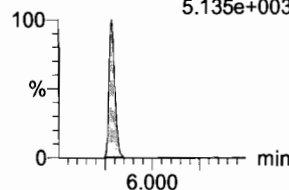


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
7.251e+003

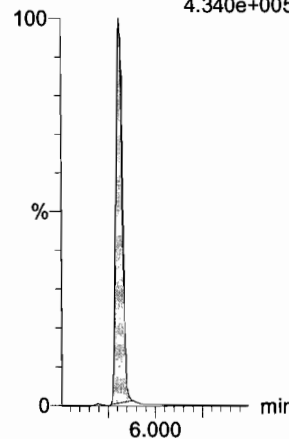


F33:MRM of 2 channels,ES-
512.1 > 219
5.135e+003



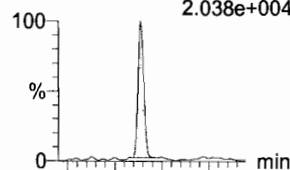
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.340e+005

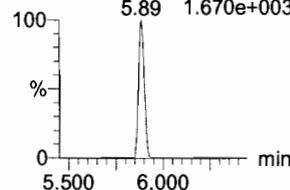


PFT_rDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
2.038e+004

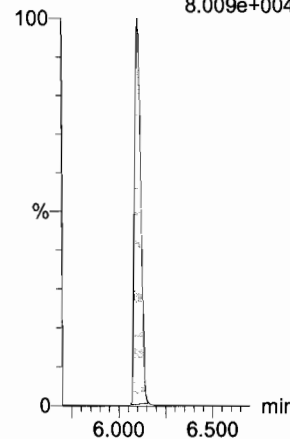


F56:MRM of 2 channels,ES-
662.9 > 319
1.670e+003



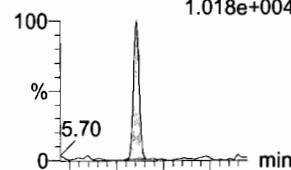
¹³C2-PFT_rDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
8.009e+004

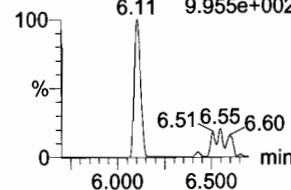


PFT_eDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
1.018e+004

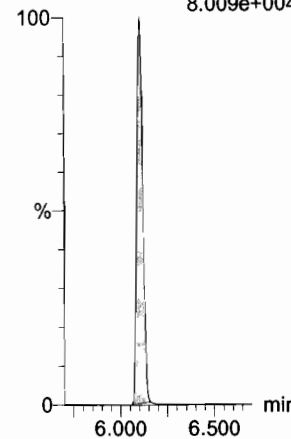


F57:MRM of 2 channels,ES-
712.9 > 369
9.955e+002



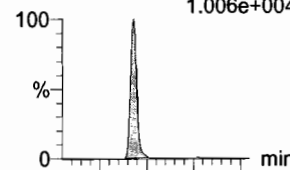
¹³C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
8.009e+004

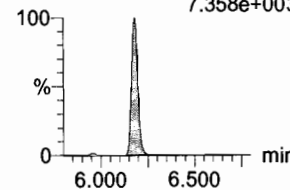


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
1.006e+004

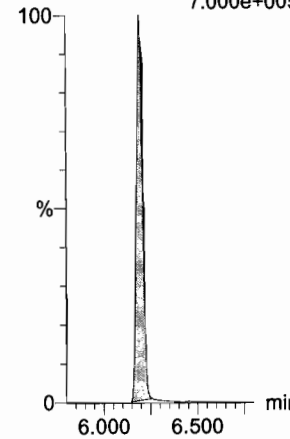


F38:MRM of 2 channels,ES-
526.1 > 219
7.358e+003



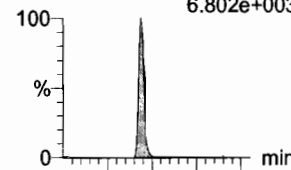
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
7.000e+005

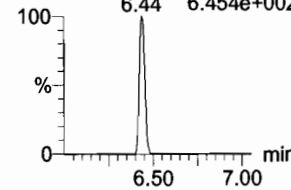


PFH_xDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
6.802e+003

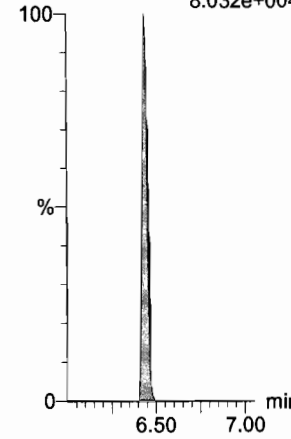


F59:MRM of 2 channels,ES-
813.1 > 219
6.454e+002



¹³C2-PFH_xDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.032e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

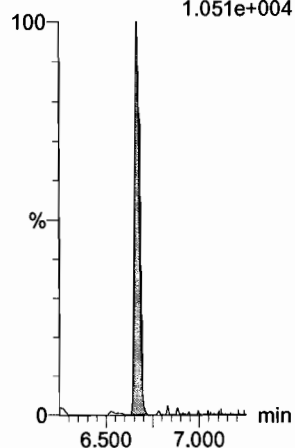
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_3, Date: 29-Dec-2017, Time: 13:42:53, ID: ST171229M2-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

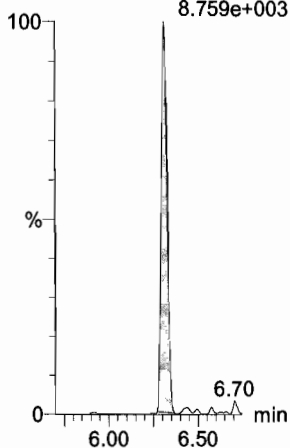
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.051e+004



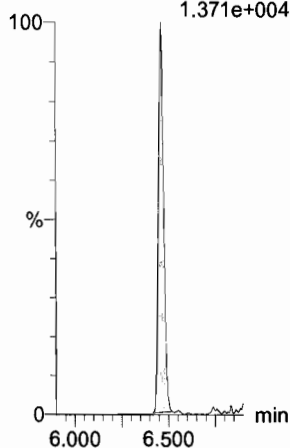
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
8.759e+003



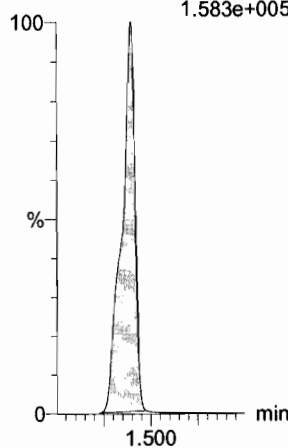
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.371e+004



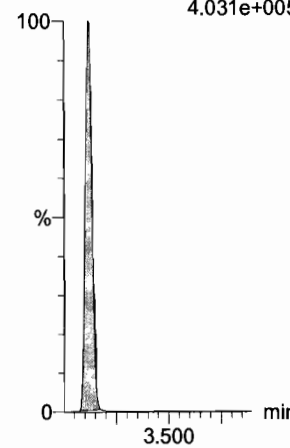
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.583e+005



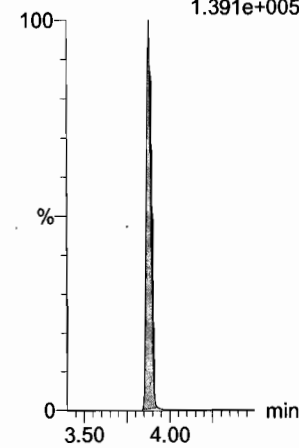
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.031e+005



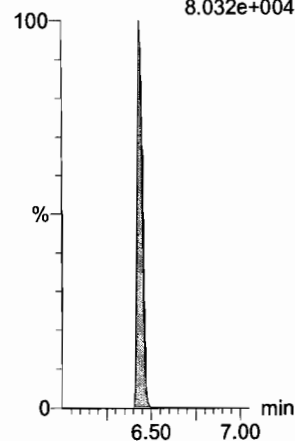
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.391e+005



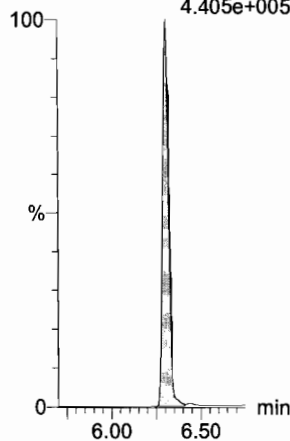
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.032e+004



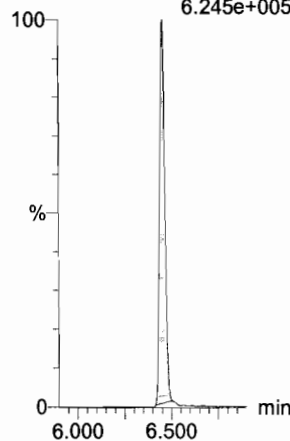
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.405e+005



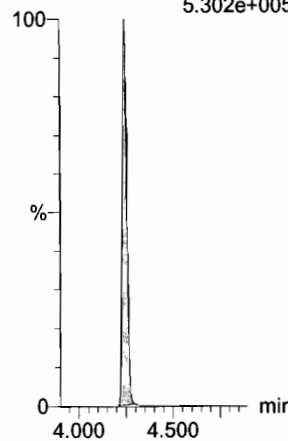
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.245e+005



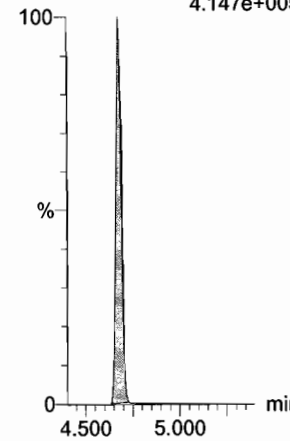
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.302e+005



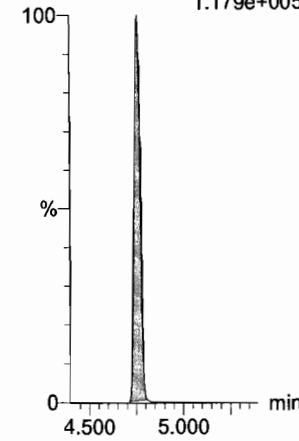
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.147e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.179e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

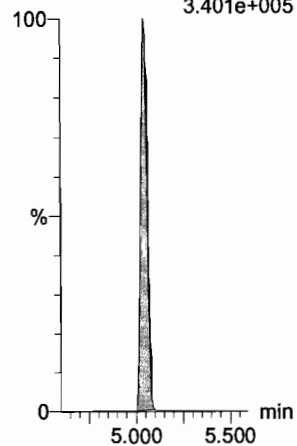
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_3, Date: 29-Dec-2017, Time: 13:42:53, ID: ST171229M2-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

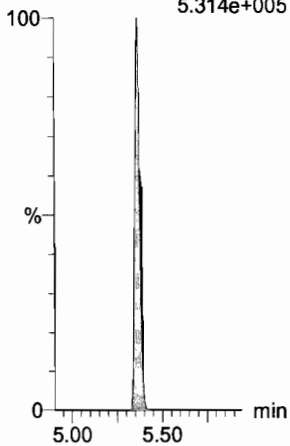
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.401e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.314e+005



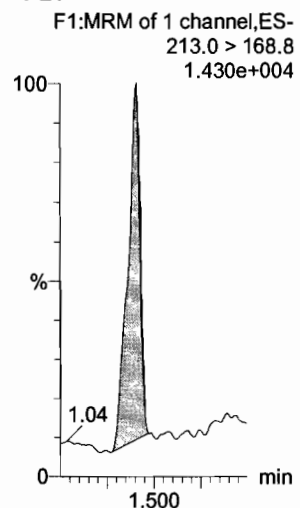
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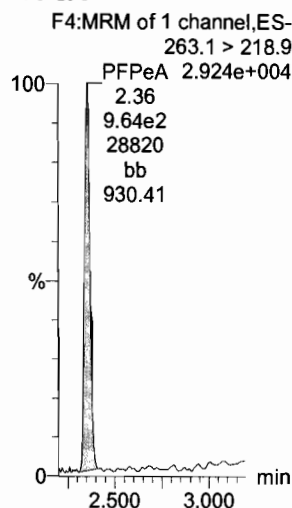
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Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

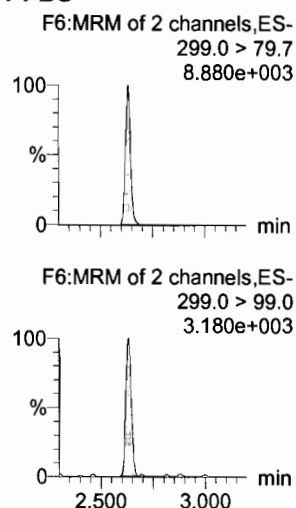
PFBA



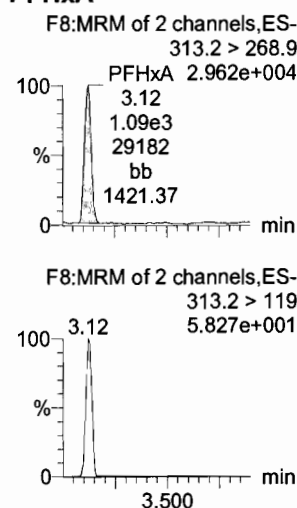
PFPeA



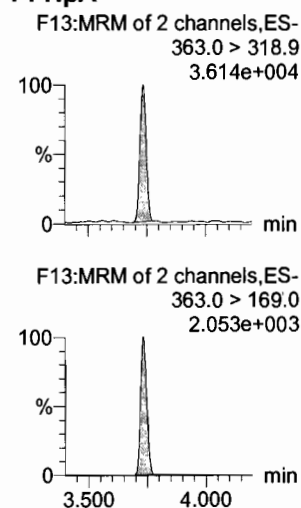
PFBS



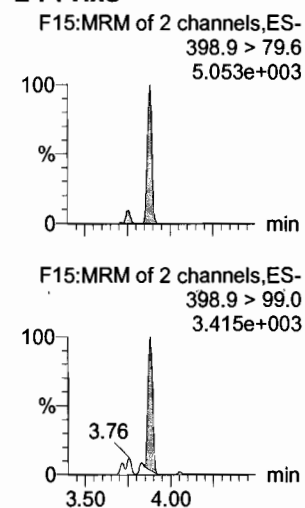
PFHxA



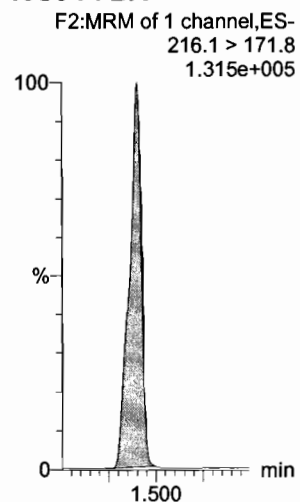
PFHpA



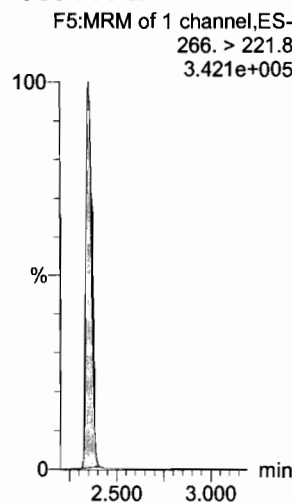
L-PFHxS



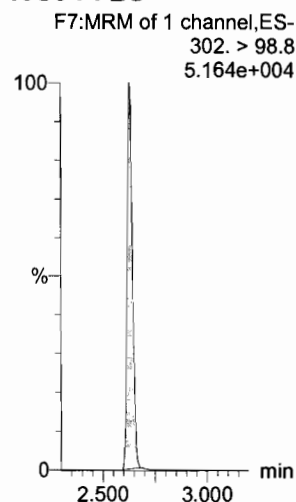
13C3-PFBA



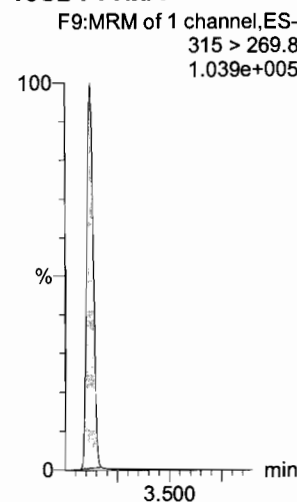
13C3-PFPeA



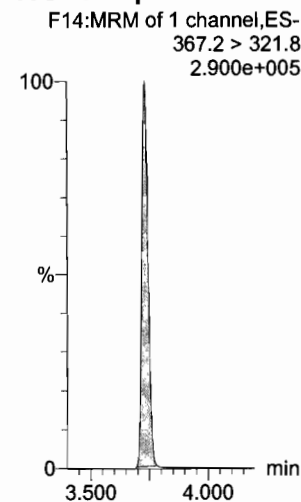
13C3-PFBS



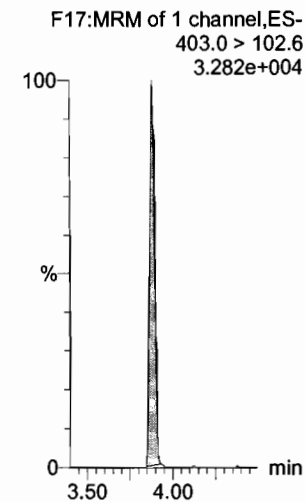
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

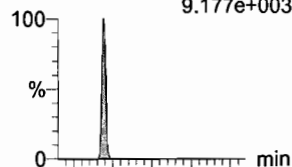
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

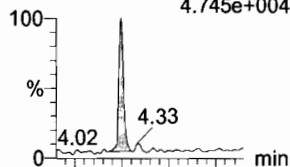
6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
9.177e+003



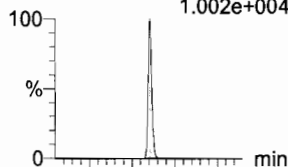
L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
4.745e+004



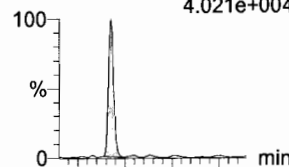
PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.002e+004



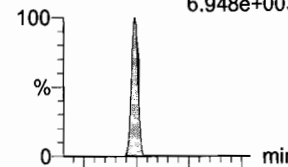
PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.021e+004



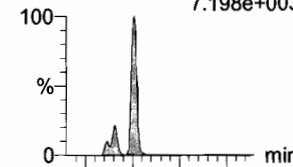
PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
6.948e+003

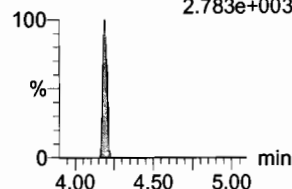


L-PFOS

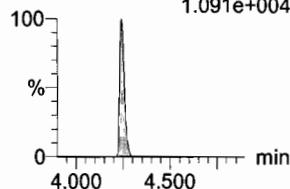
F29:MRM of 2 channels,ES-
499 > 79.9
7.198e+003



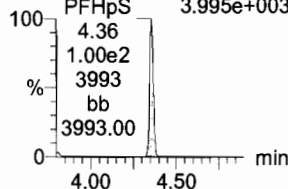
F21:MRM of 2 channels,ES-
427.1 > 80
2.783e+003



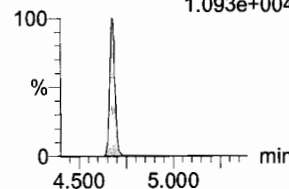
F18:MRM of 2 channels,ES-
413 > 169
1.091e+004



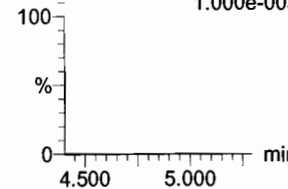
F23:MRM of 2 channels,ES-
449 > 98.7
3.995e+003



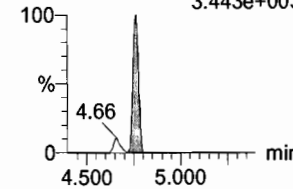
F24:MRM of 2 channels,ES-
463.0 > 219.0
1.093e+004



F27:MRM of 2 channels,ES-
498.1 > 478
1.000e-003

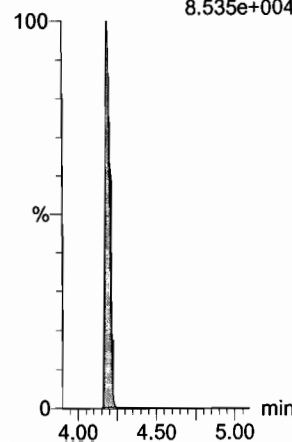


F29:MRM of 2 channels,ES-
499 > 99
3.443e+003



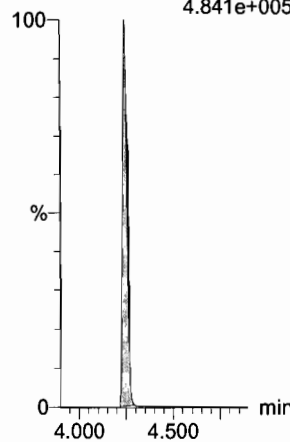
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
8.535e+004



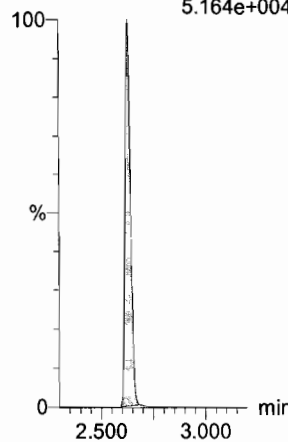
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
4.841e+005



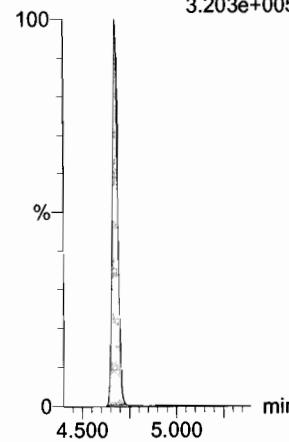
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.164e+004



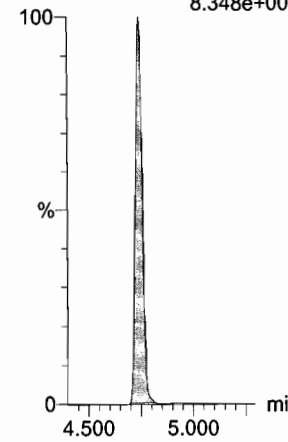
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
3.203e+005



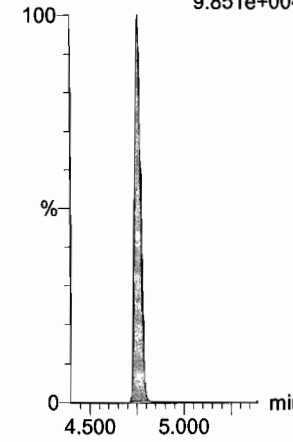
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.348e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
9.851e+004



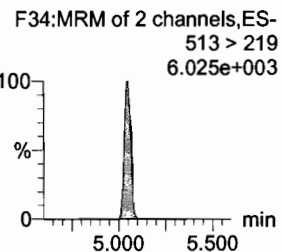
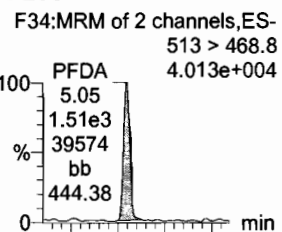
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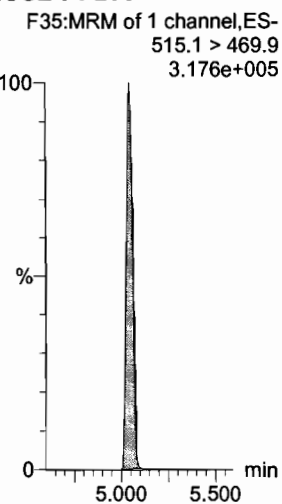
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Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

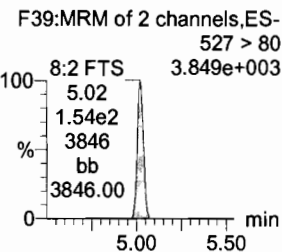
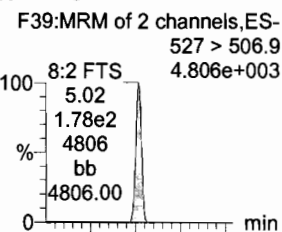
PFDA



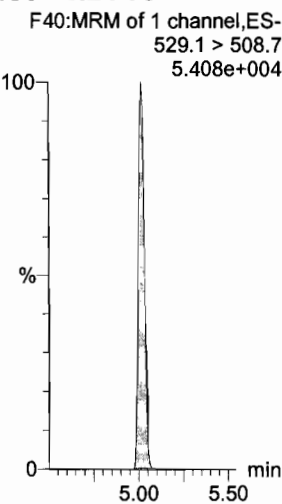
13C2-PFDA



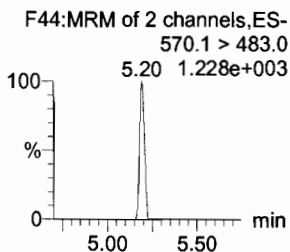
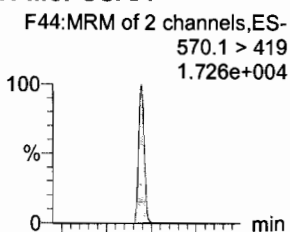
8:2 FTS



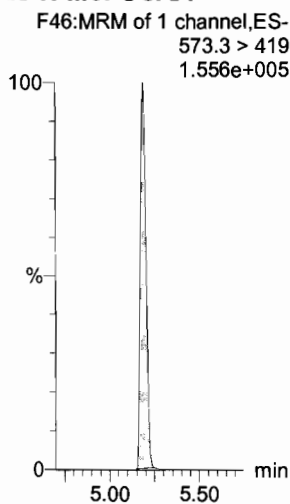
13C2-8:2 FTS



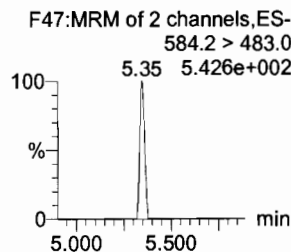
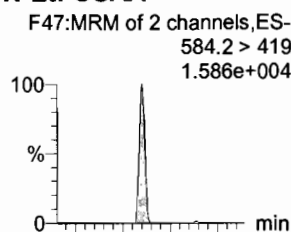
N-MeFOSAA



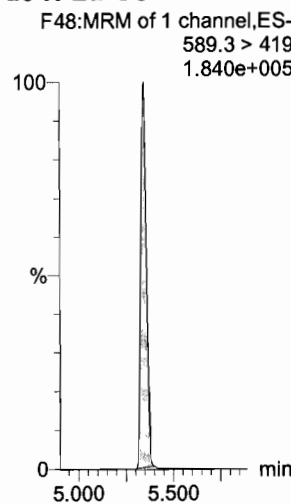
d3-N-MeFOSAA



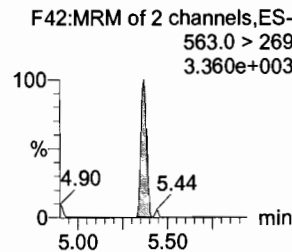
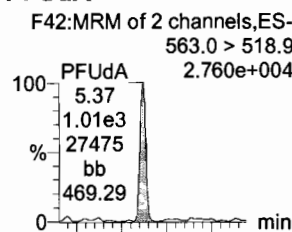
N-EtFOSAA



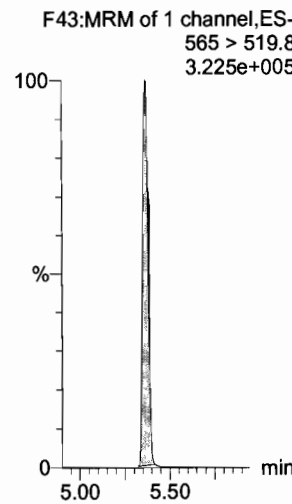
d5-N-EtFOSAA



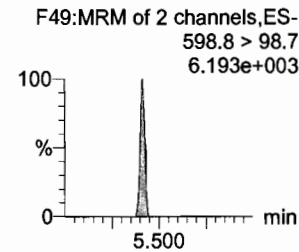
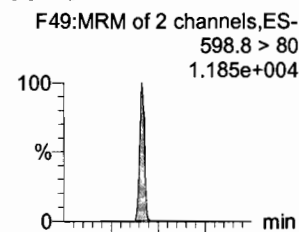
PFUdA



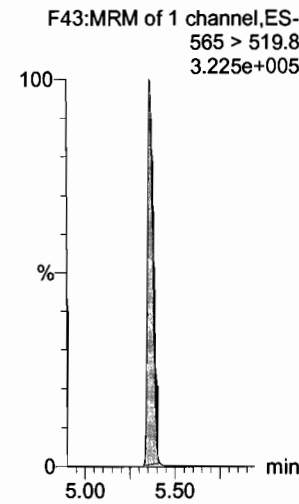
13C2-PFUdA



PFDS



13C2-PFUdA



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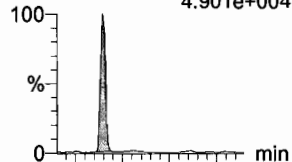
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

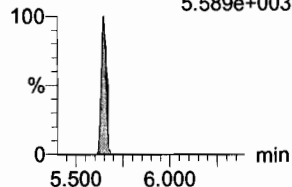
Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

PFD_oA

F50:MRM of 2 channels,ES-
612.9 > 569.0
4.901e+004

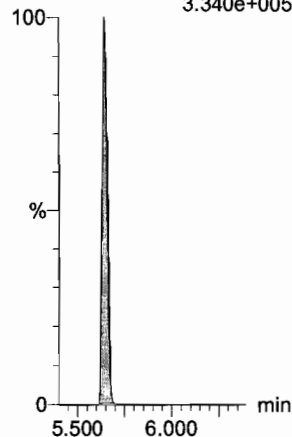


F50:MRM of 2 channels,ES-
612.9 > 318.8
5.589e+003



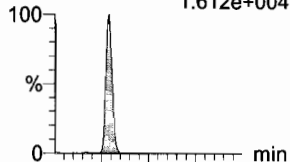
13C2-PFD_oA

F51:MRM of 1 channel,ES-
615.0 > 569.7
3.340e+005

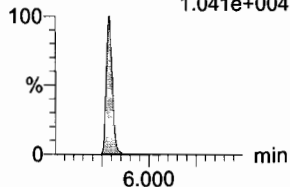


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.612e+004

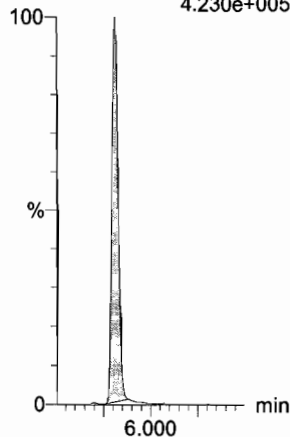


F33:MRM of 2 channels,ES-
512.1 > 219
1.041e+004



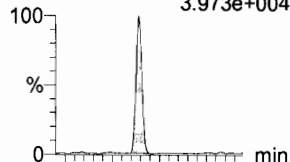
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.230e+005

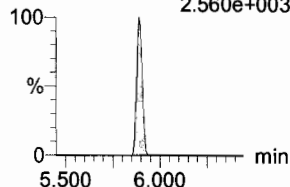


PFT_rDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
3.973e+004

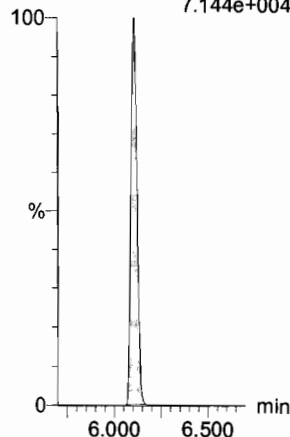


F56:MRM of 2 channels,ES-
662.9 > 319
2.560e+003



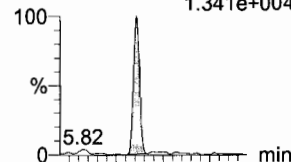
13C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.144e+004

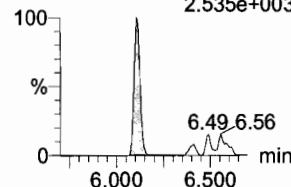


PFT_eDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
1.341e+004

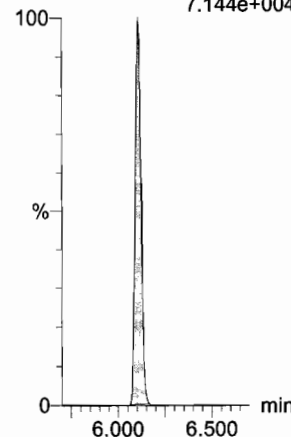


F57:MRM of 2 channels,ES-
712.9 > 369
2.535e+003



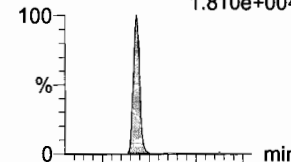
13C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.144e+004

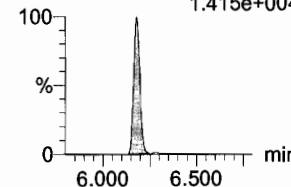


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
1.810e+004

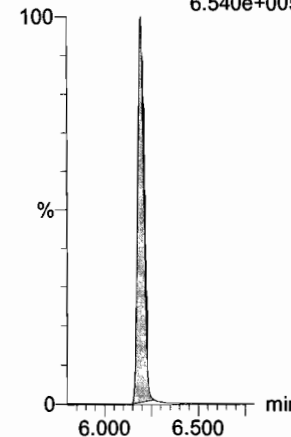


F38:MRM of 2 channels,ES-
526.1 > 219
1.415e+004



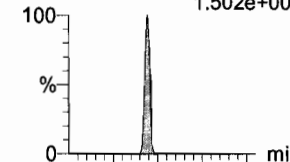
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
6.540e+005

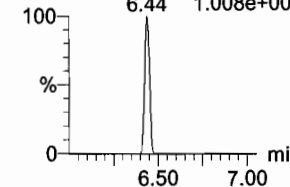


PFH_xDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.502e+004

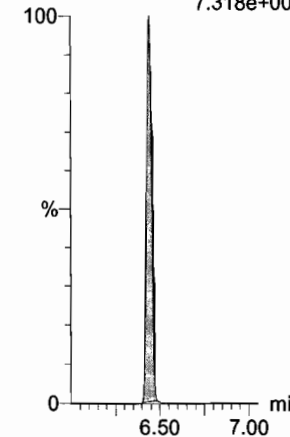


F59:MRM of 2 channels,ES-
813.1 > 219
1.008e+003



13C2-PFH_xDA

F60:MRM of 1 channel,ES-
815 > 769.7
7.318e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

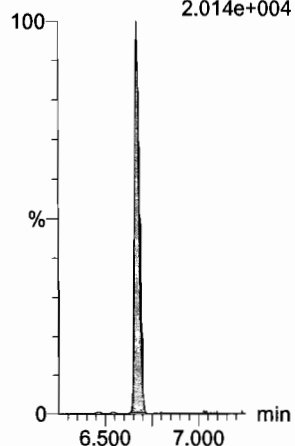
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

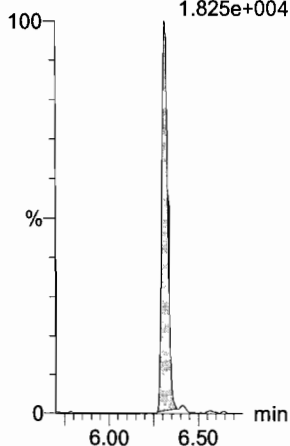
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.014e+004



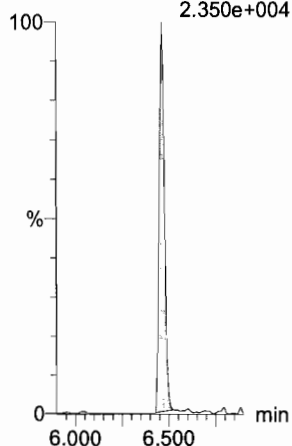
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.825e+004



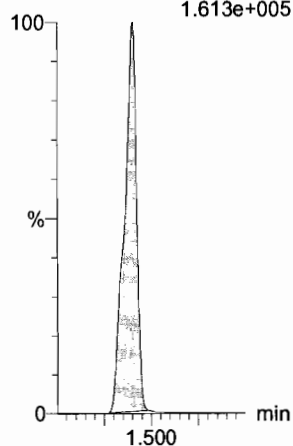
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.350e+004



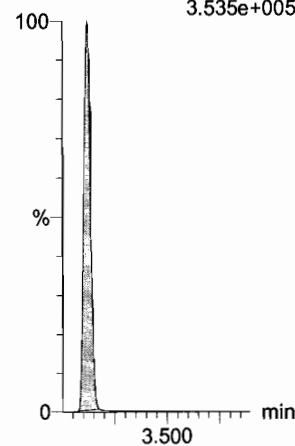
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.613e+005



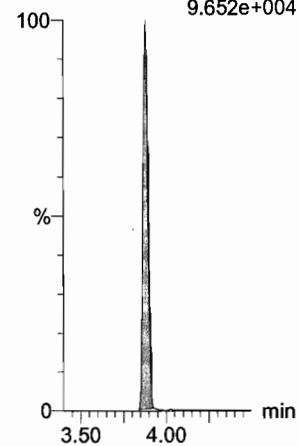
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
3.535e+005



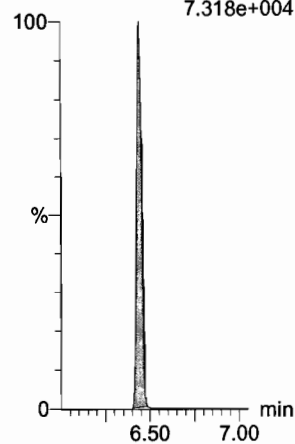
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
9.652e+004



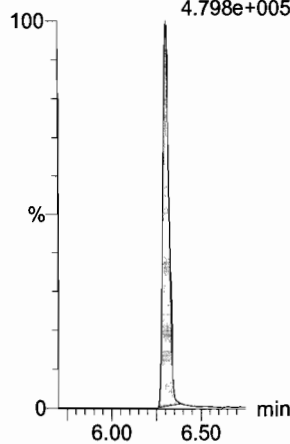
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
7.318e+004



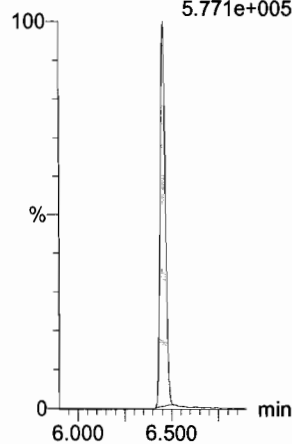
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.798e+005



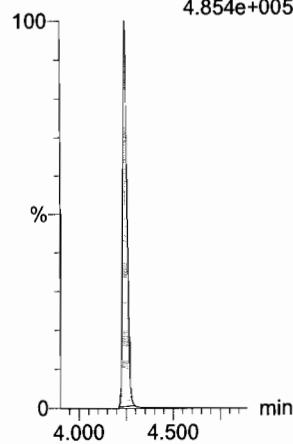
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.771e+005



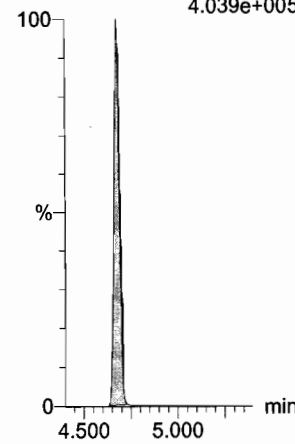
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
4.854e+005



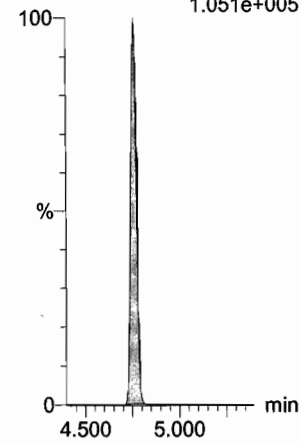
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.039e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.051e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

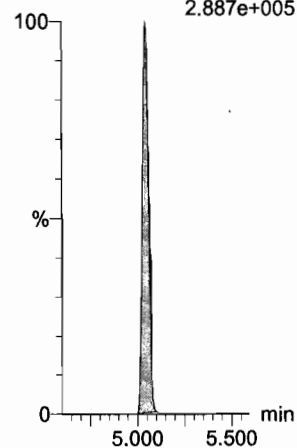
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_4, Date: 29-Dec-2017, Time: 13:54:04, ID: ST171229M2-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

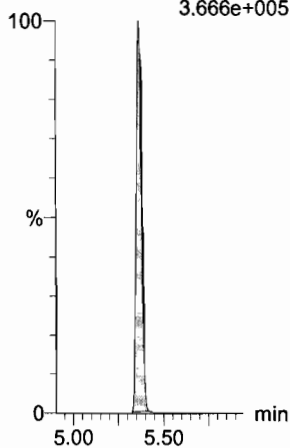
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
2.887e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
3.666e+005



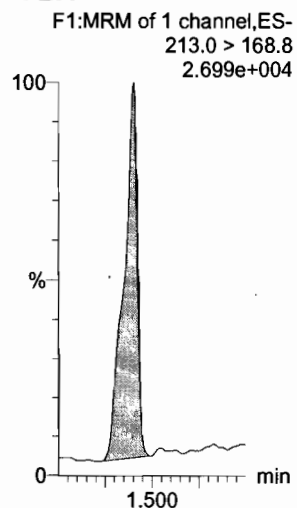
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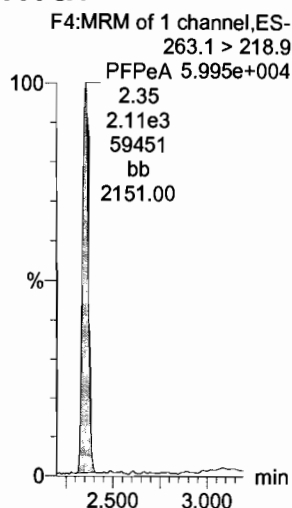
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Name: 171229M2_5, Date: 29-Dec-2017, Time: 14:05:15, ID: ST171229M2-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

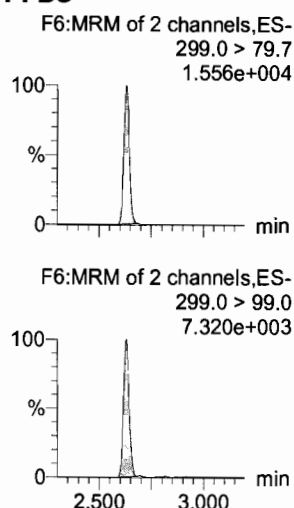
PFBA



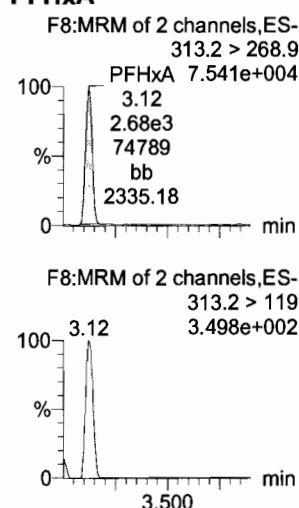
PFPeA



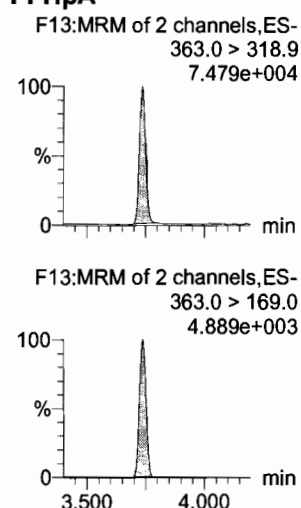
PFBS



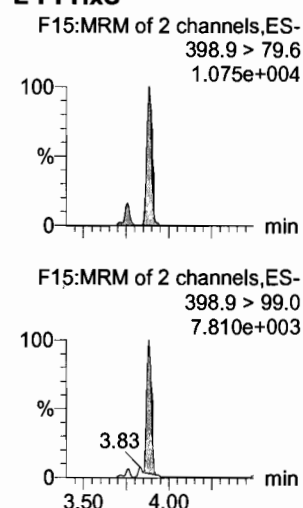
PFHxA



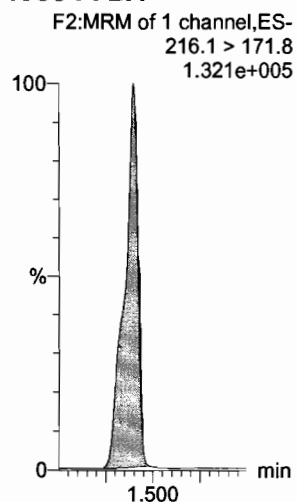
PFHpA



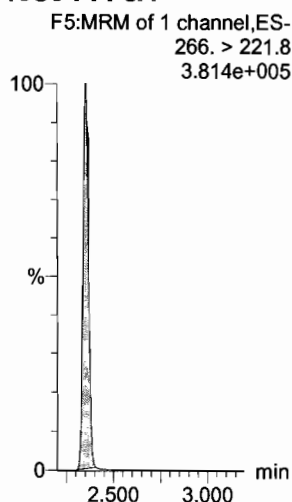
L-PFHxS



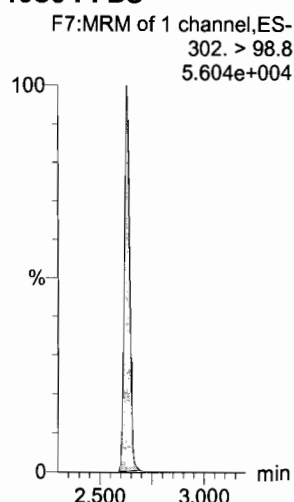
13C3-PFBA



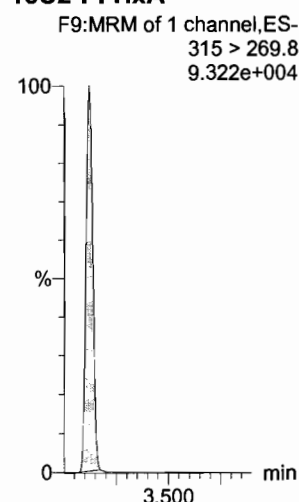
13C3-PFPeA



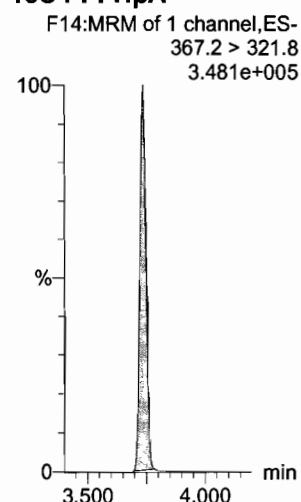
13C3-PFBS



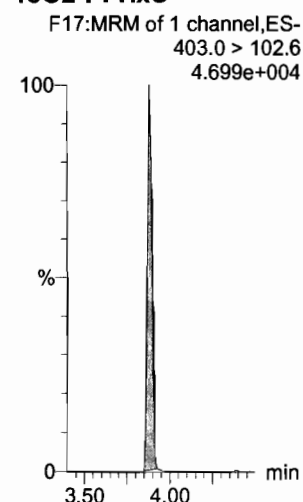
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



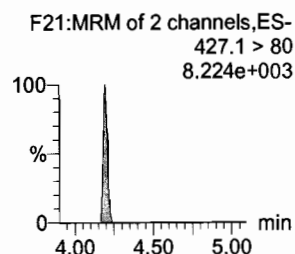
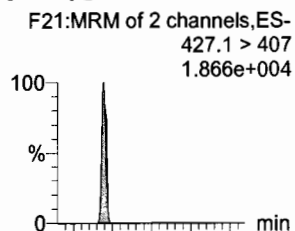
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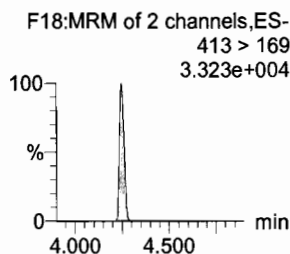
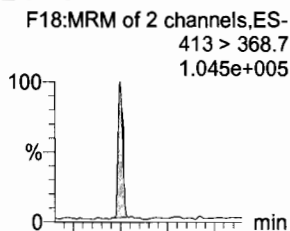
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Name: 171229M2_5, Date: 29-Dec-2017, Time: 14:05:15, ID: ST171229M2-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

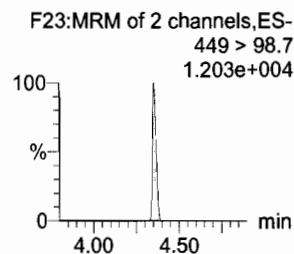
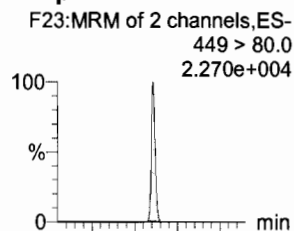
6:2 FTS



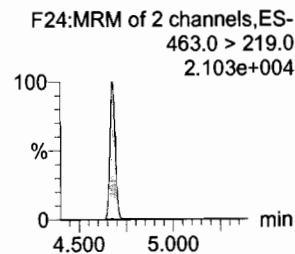
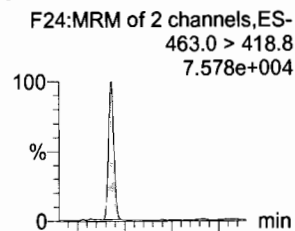
L-PFOA



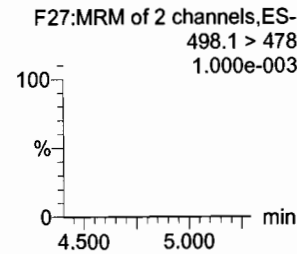
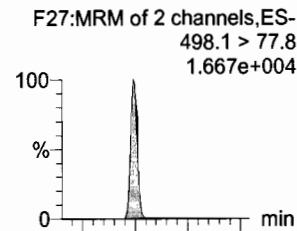
PFHpS



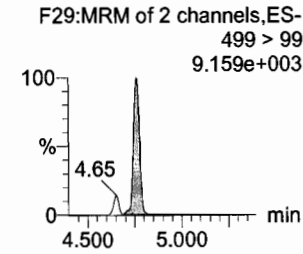
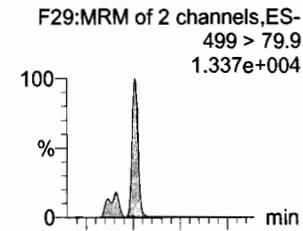
PFNA



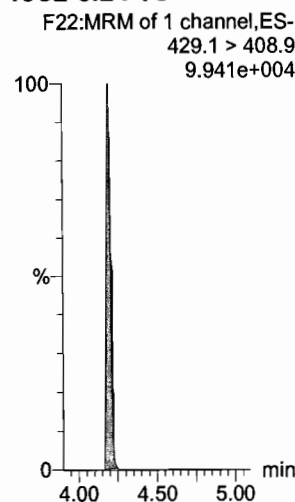
PFOSA



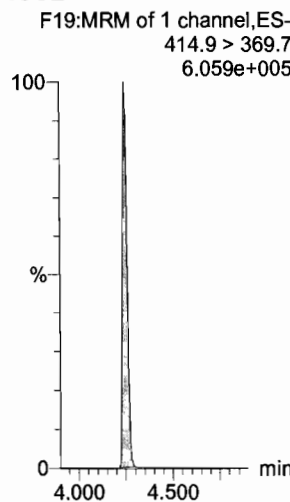
L-PFOS



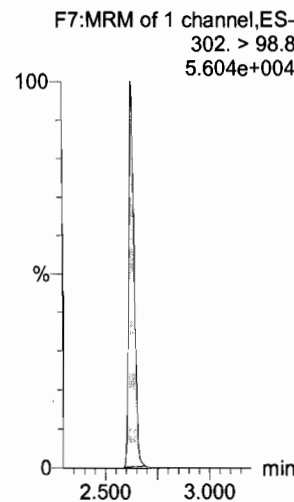
13C2-6:2 FTS



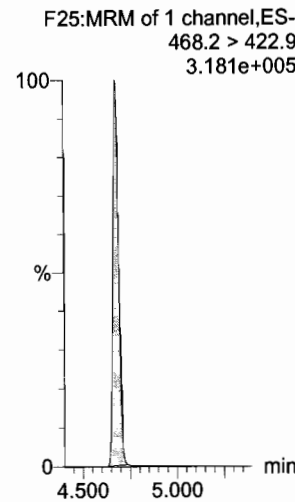
13C2-PFOA



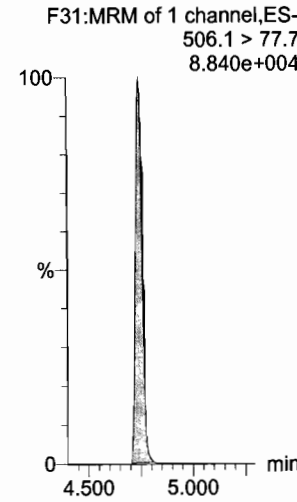
13C3-PFBS



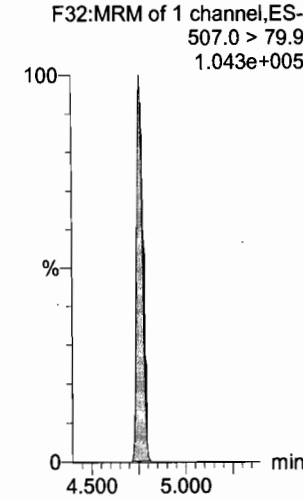
13C5-PFNA



13C8-PFOSA



13C8-PFOS



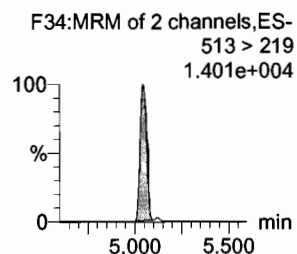
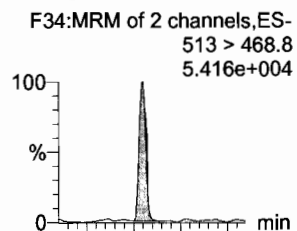
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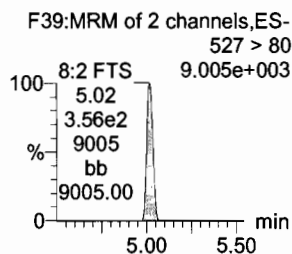
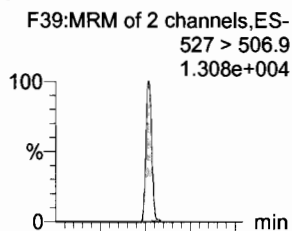
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Name: 171229M2_5, Date: 29-Dec-2017, Time: 14:05:15, ID: ST171229M2-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

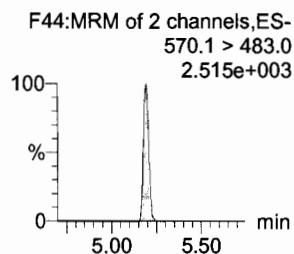
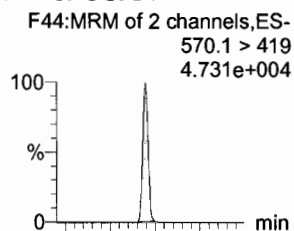
PFDA



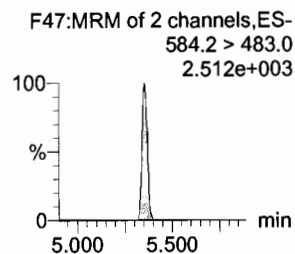
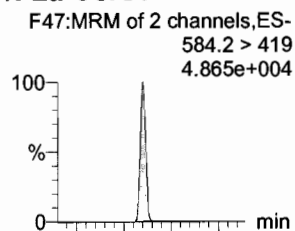
8:2 FTS



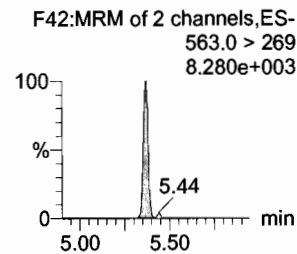
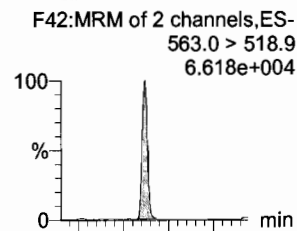
N-MeFOSAA



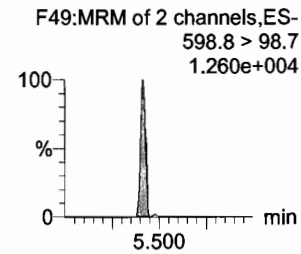
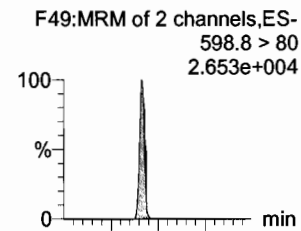
N-EtFOSAA



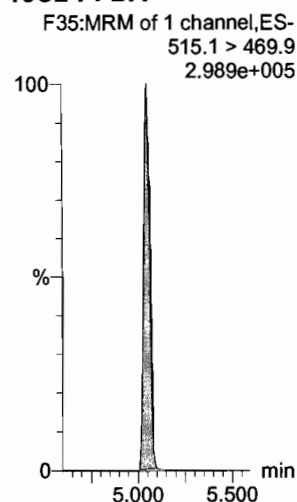
PFUdA



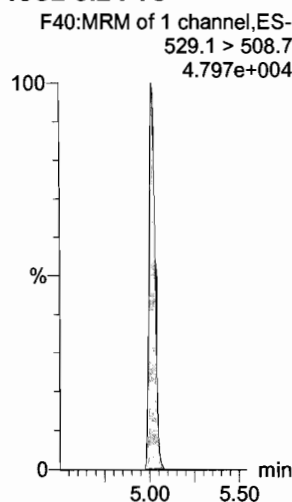
PFDS



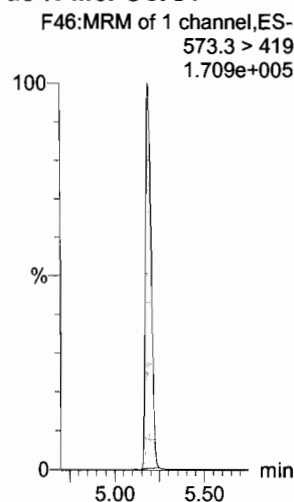
13C2-PFDA



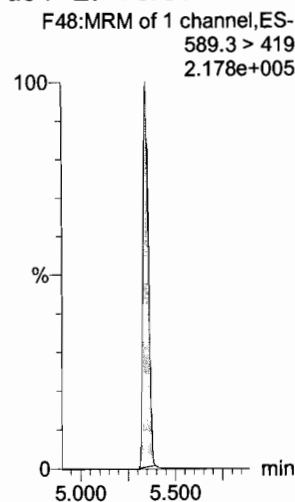
13C2-8:2 FTS



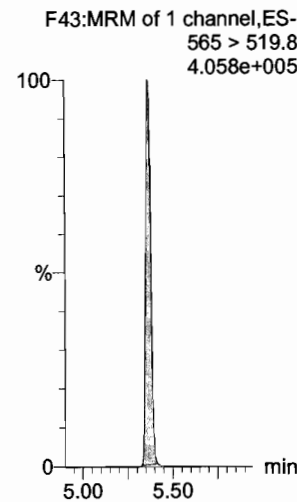
d3-N-MeFOSAA



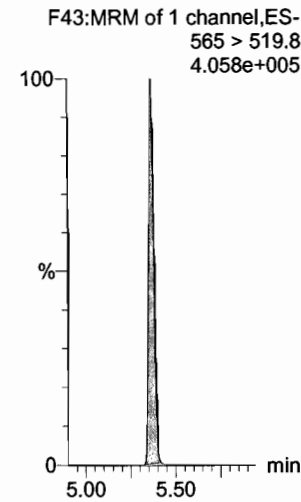
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



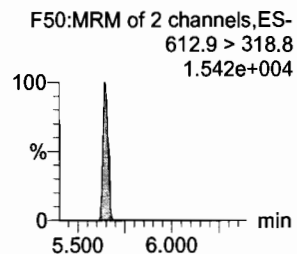
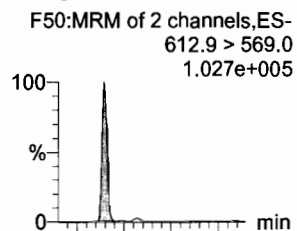
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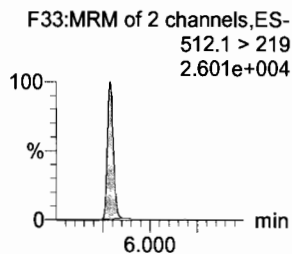
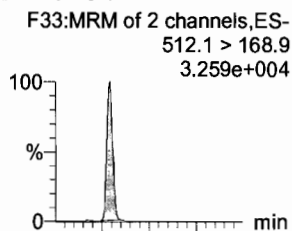
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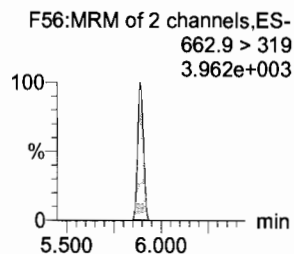
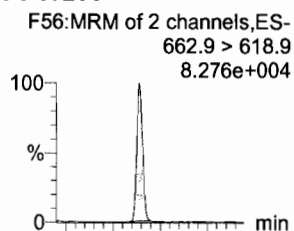
PFDaA



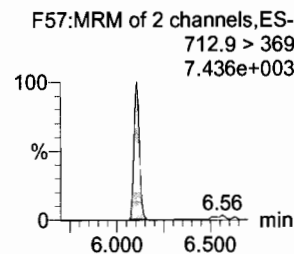
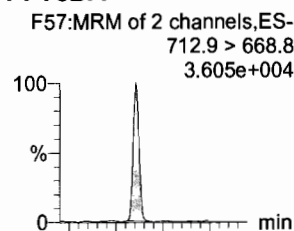
N-MeFOSA



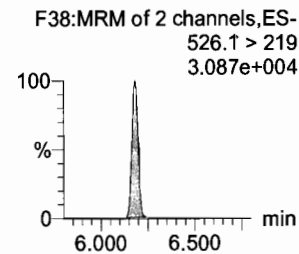
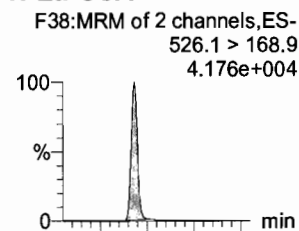
PFTTrDA



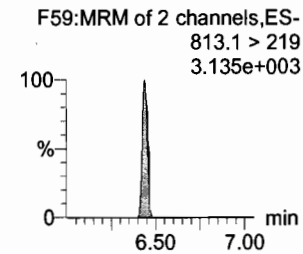
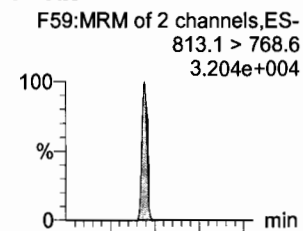
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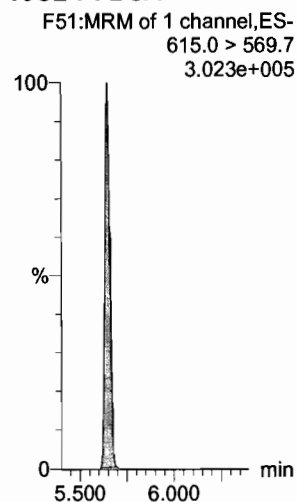
N-EtFOSA



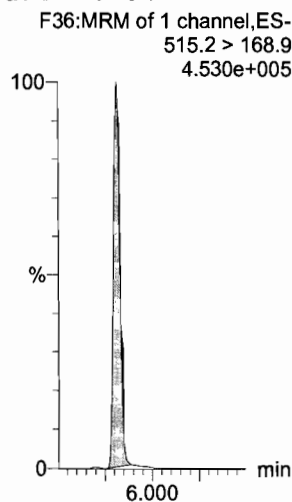
PFHxDA



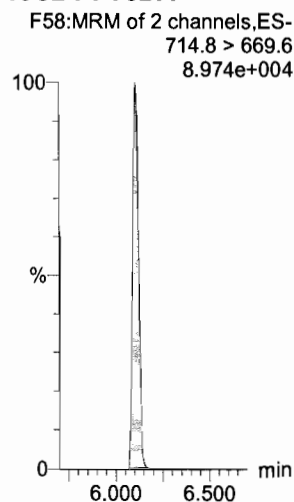
13C2-PFDaA



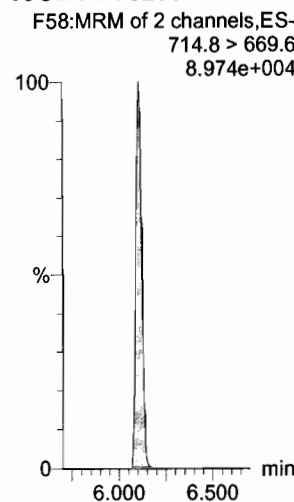
d3-N-MeFOSA



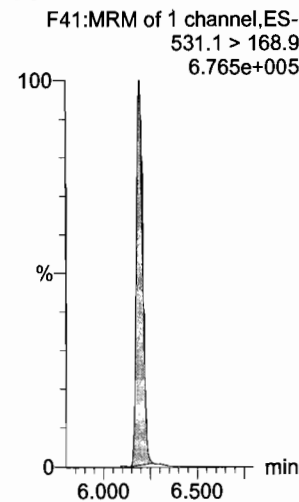
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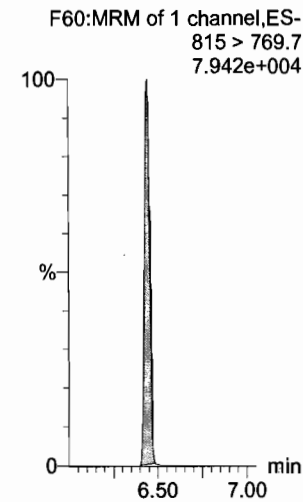
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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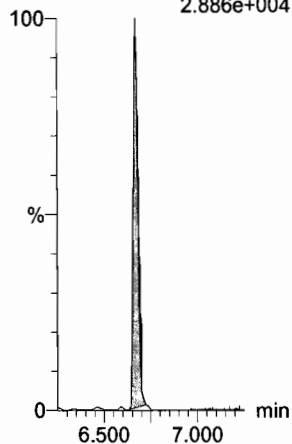
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Name: 171229M2_5, Date: 29-Dec-2017, Time: 14:05:15, ID: ST171229M2-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

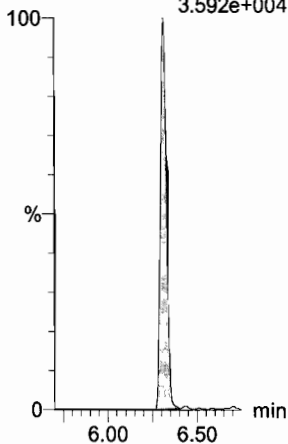
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.886e+004



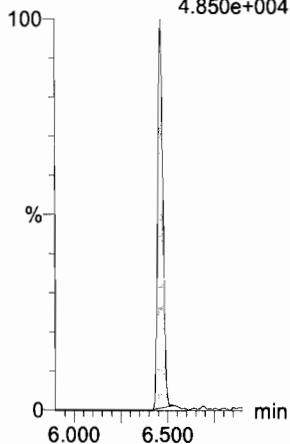
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
3.592e+004



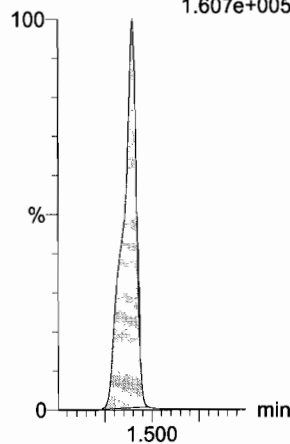
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
4.850e+004



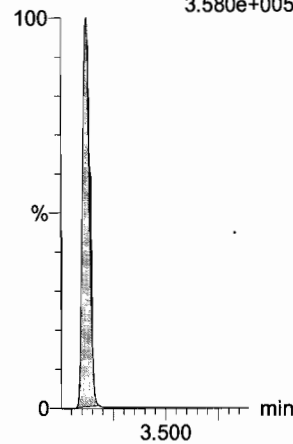
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.607e+005



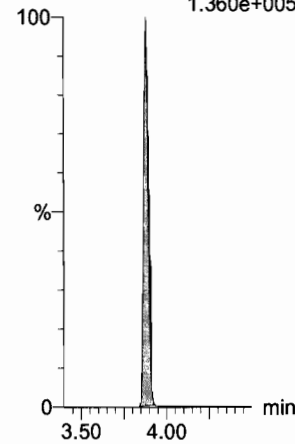
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
3.580e+005



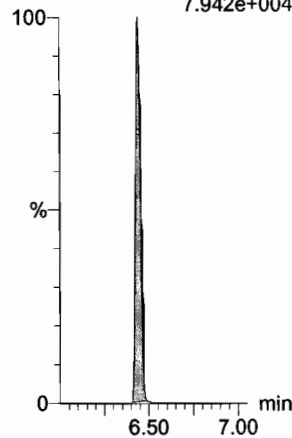
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.360e+005



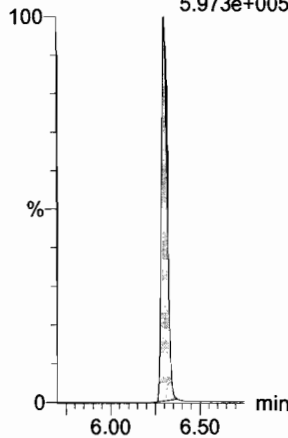
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
7.942e+004



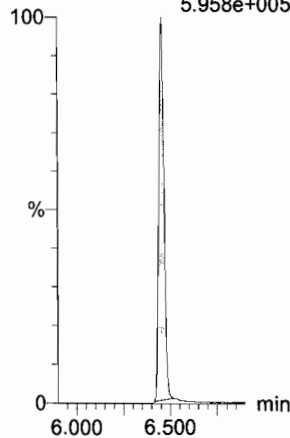
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.973e+005



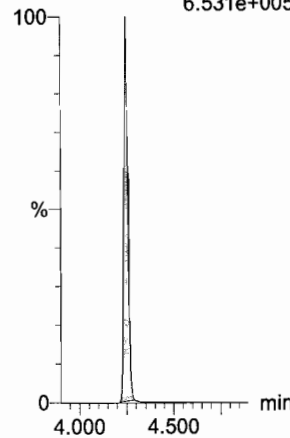
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.958e+005



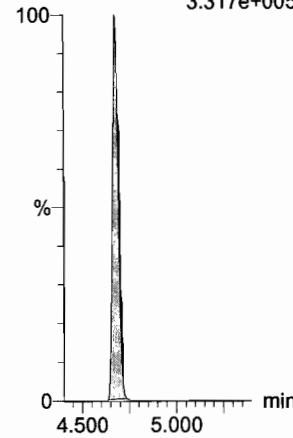
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
6.531e+005



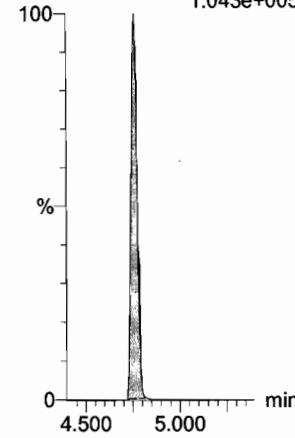
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.317e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.043e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

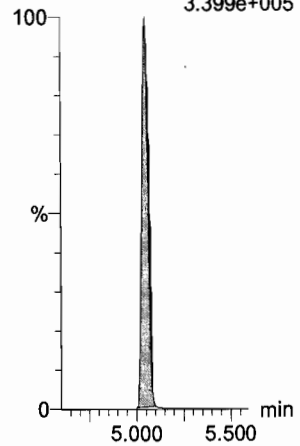
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_5, Date: 29-Dec-2017, Time: 14:05:15, ID: ST171229M2-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

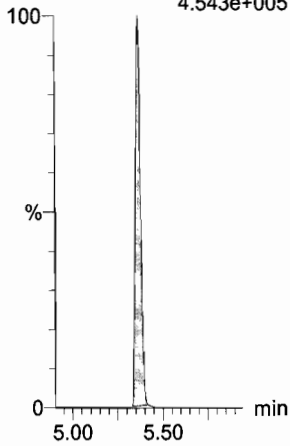
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.399e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.543e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

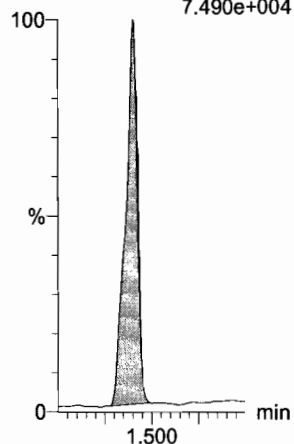
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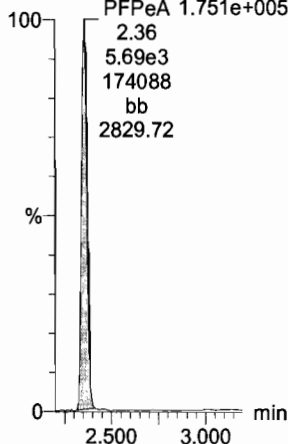
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
7.490e+004



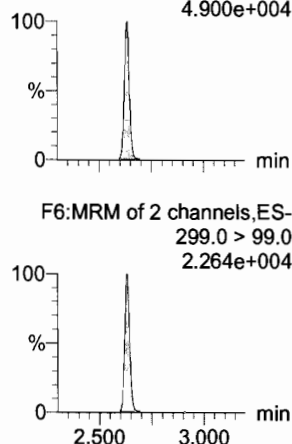
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
PFPeA 1.751e+005
2.36
5.69e3
174088
bb
2829.72



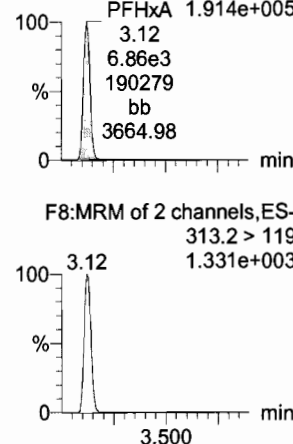
PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
4.900e+004



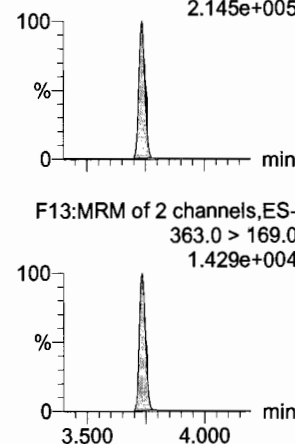
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
PFHxA 1.914e+005
3.12
6.86e3
190279
bb
3664.98



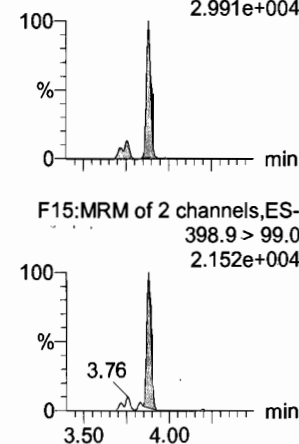
PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
2.145e+005



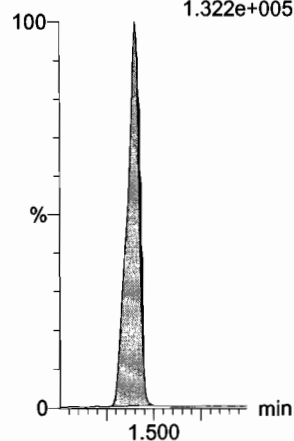
L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
2.991e+004



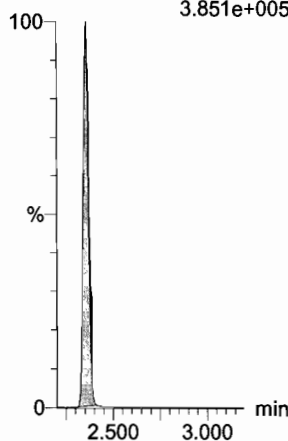
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.322e+005



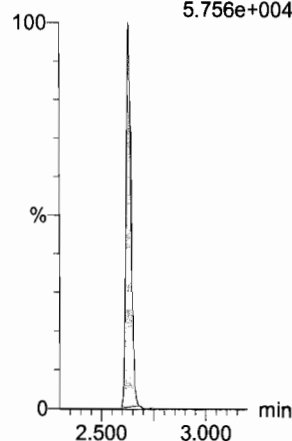
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.851e+005



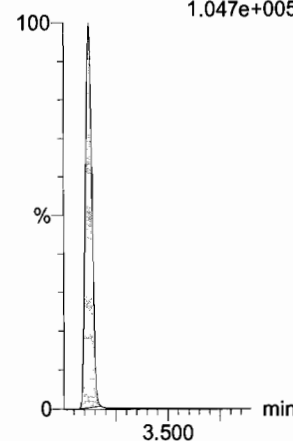
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.756e+004



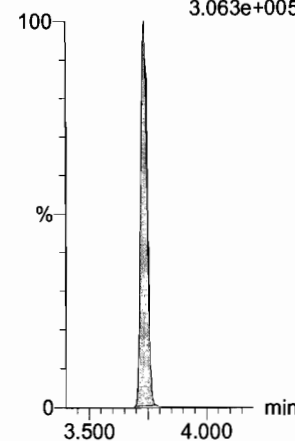
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.047e+005



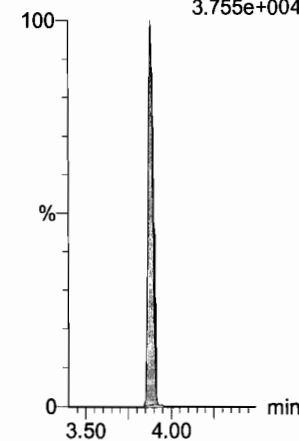
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
3.063e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
3.755e+004



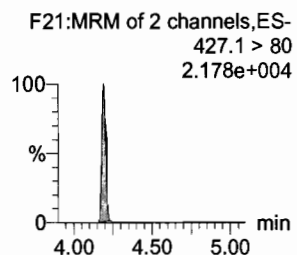
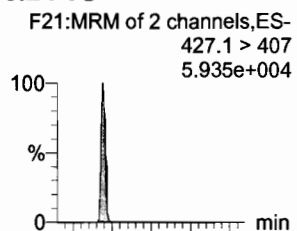
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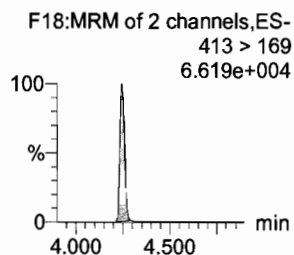
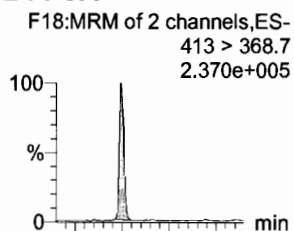
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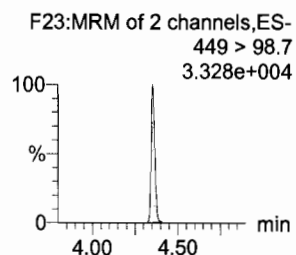
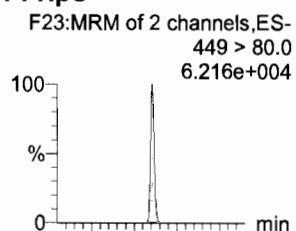
6:2 FTS



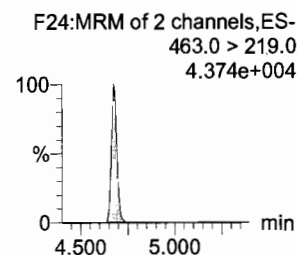
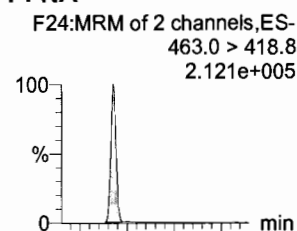
L-PFOA



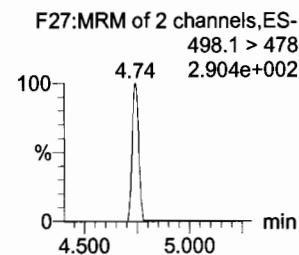
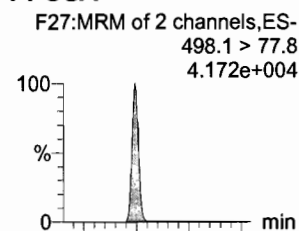
PFHpS



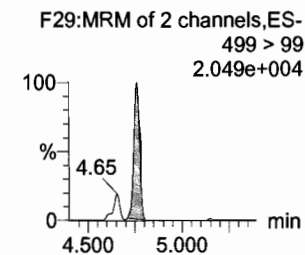
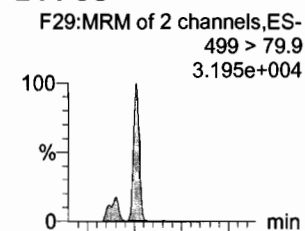
PFNA



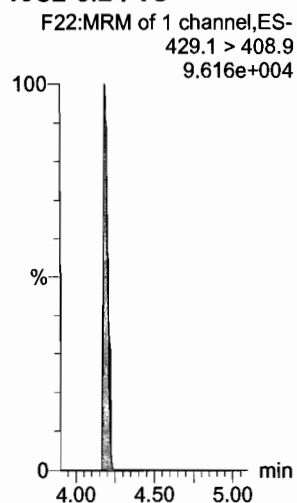
PFOSA



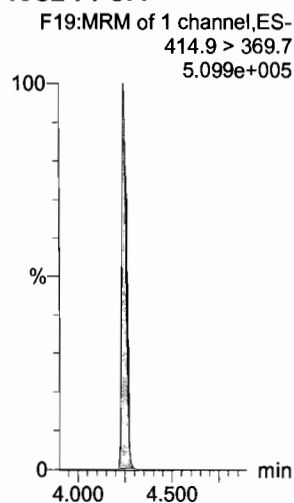
L-PFOS



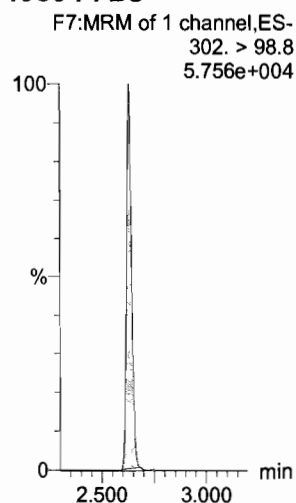
13C2-6:2 FTS



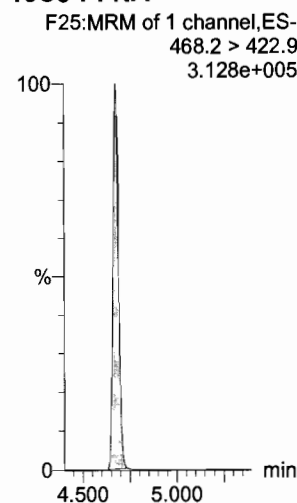
13C2-PFOA



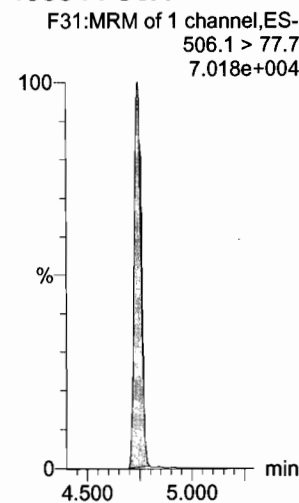
13C3-PFBS



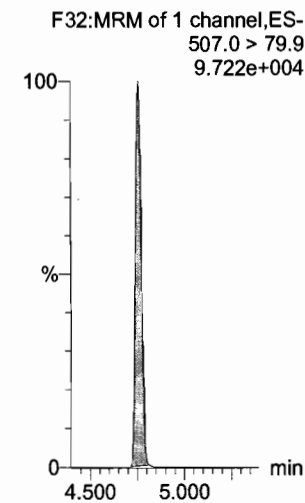
13C5-PFNA



13C8-PFOSA



13C8-PFOS



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

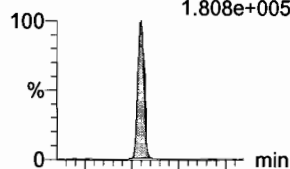
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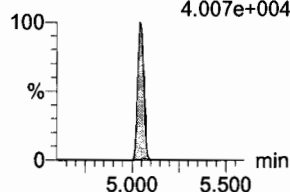
Name: 171229M2_6, Date: 29-Dec-2017, Time: 14:16:26, ID: ST171229M2-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
1.808e+005

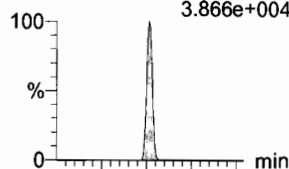


F34:MRM of 2 channels,ES-
513 > 219
4.007e+004

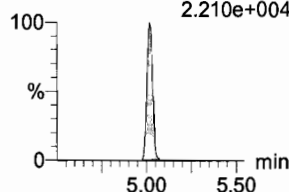


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
3.866e+004

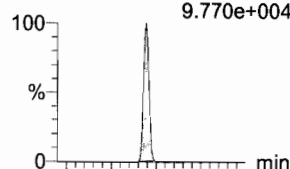


F39:MRM of 2 channels,ES-
527 > 80
2.210e+004

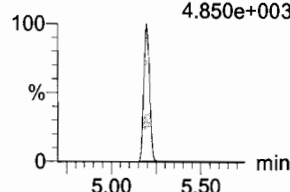


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
9.770e+004

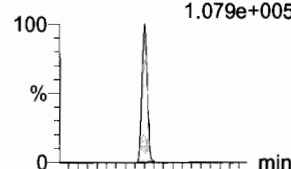


F44:MRM of 2 channels,ES-
570.1 > 483.0
4.850e+003

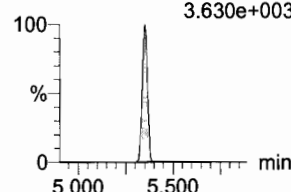


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
1.079e+005

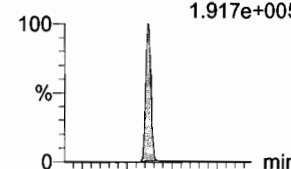


F47:MRM of 2 channels,ES-
584.2 > 483.0
3.630e+003

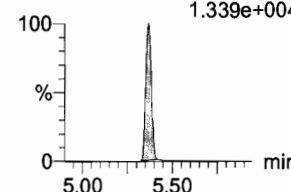


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
1.917e+005

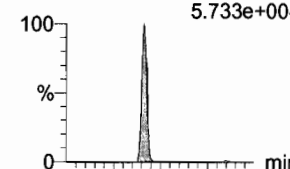


F42:MRM of 2 channels,ES-
563.0 > 269
1.339e+004

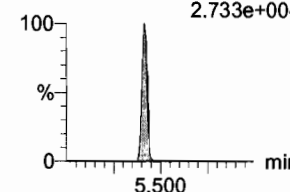


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
5.733e+004

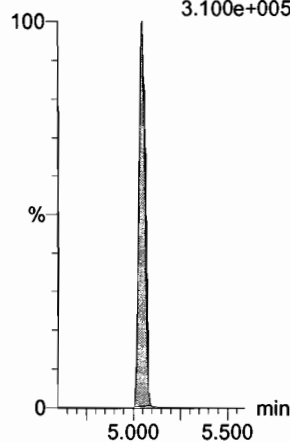


F49:MRM of 2 channels,ES-
598.8 > 98.7
2.733e+004



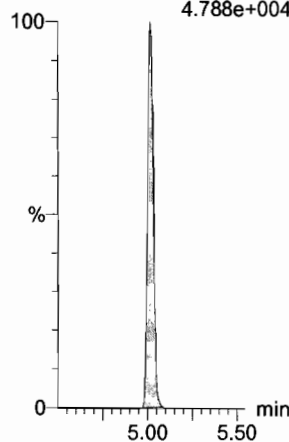
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.100e+005



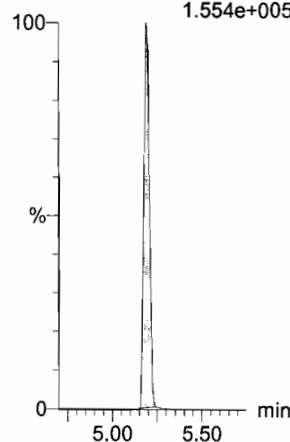
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
4.788e+004



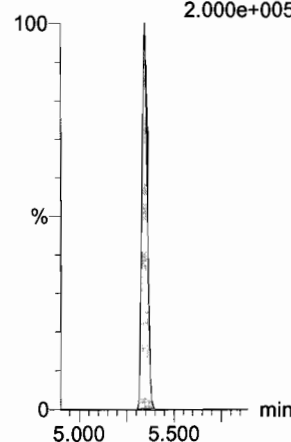
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.554e+005



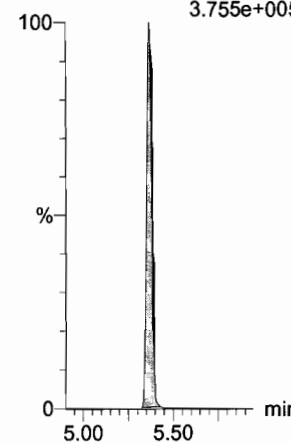
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.000e+005



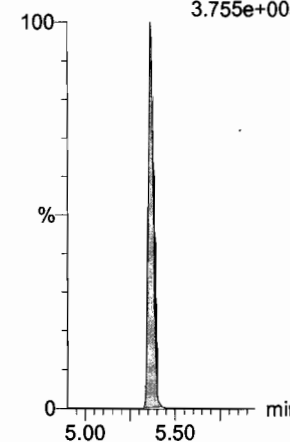
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
3.755e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
3.755e+005



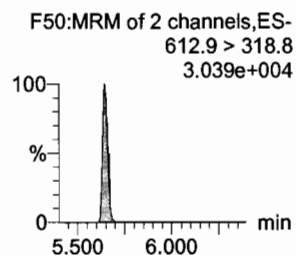
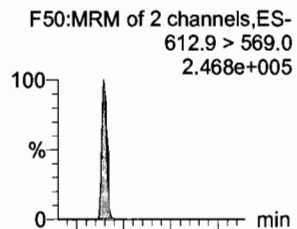
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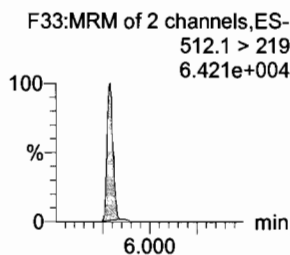
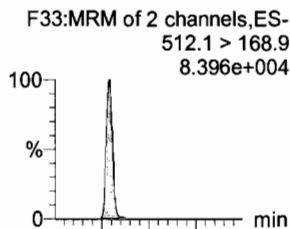
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Name: 171229M2_6, Date: 29-Dec-2017, Time: 14:16:26, ID: ST171229M2-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

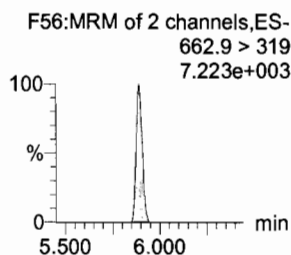
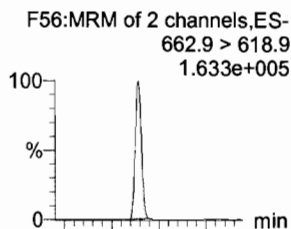
PFDaA



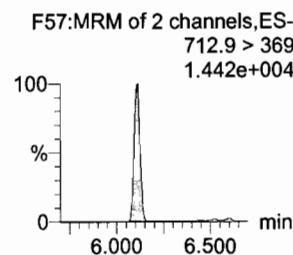
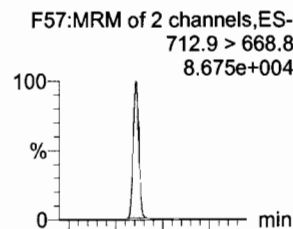
N-MeFOSA



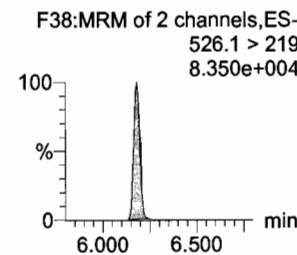
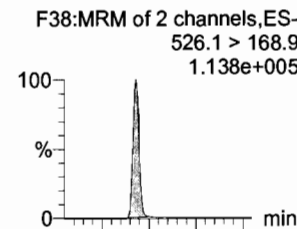
PFTrDA



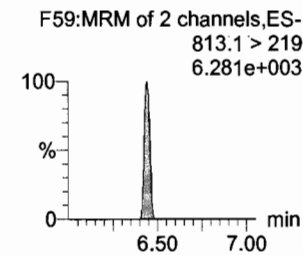
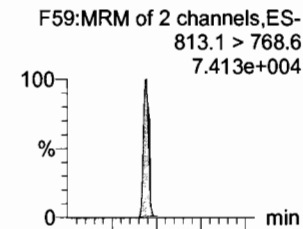
PFTeDA



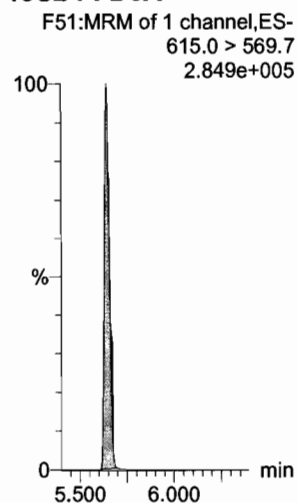
N-EtFOSA



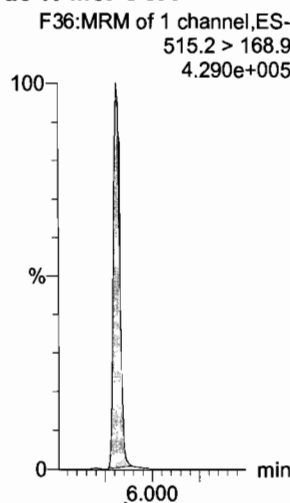
PFHxDA



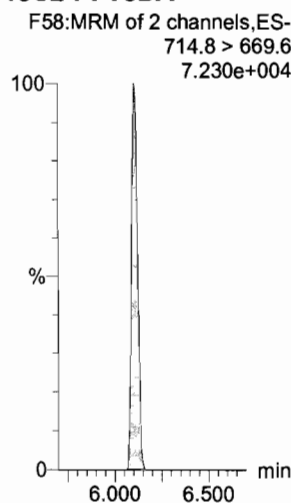
13C2-PFDaA



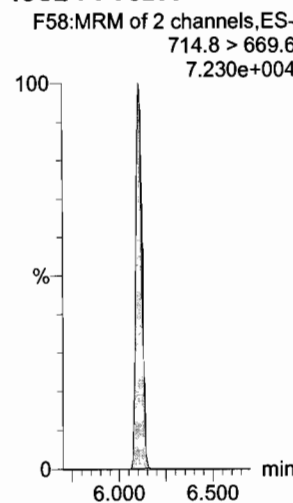
d3-N-MeFOSA



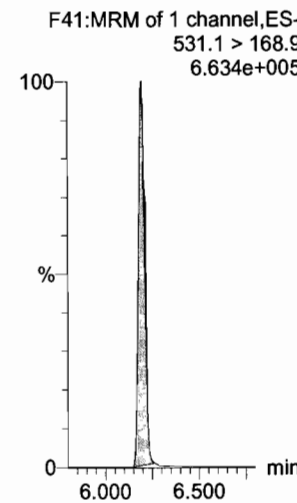
13C2-PFTeDA



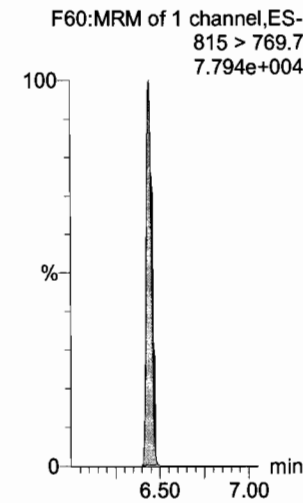
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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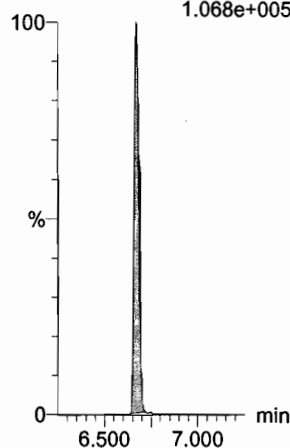
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Name: 171229M2_6, Date: 29-Dec-2017, Time: 14:16:26, ID: ST171229M2-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

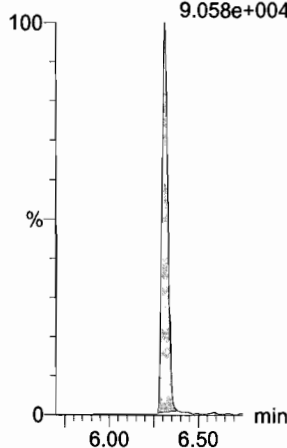
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.068e+005



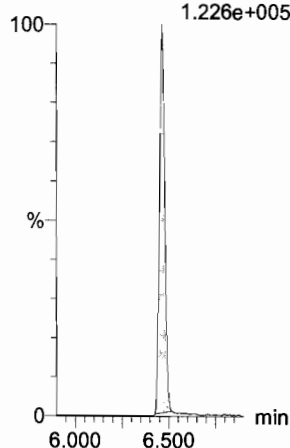
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
9.058e+004



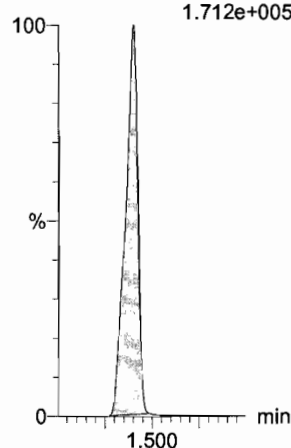
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.226e+005



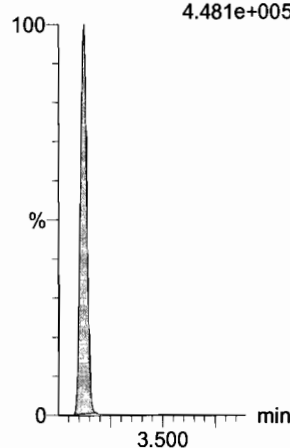
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.712e+005



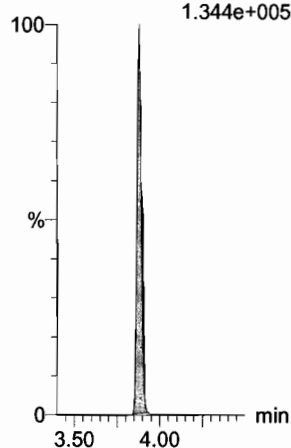
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.481e+005



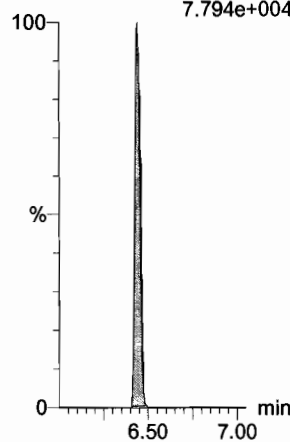
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.344e+005



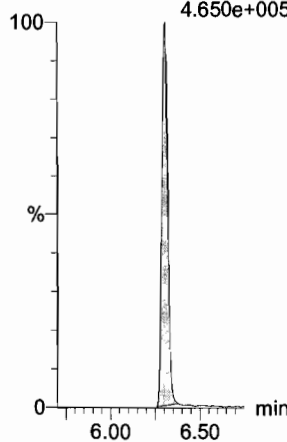
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
7.794e+004



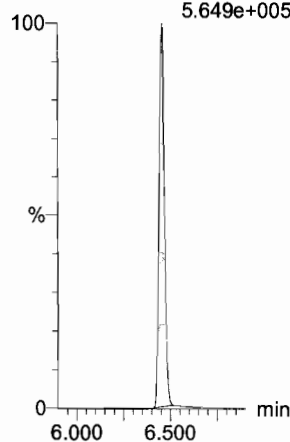
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.650e+005



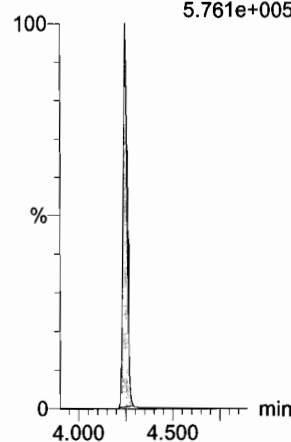
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.649e+005



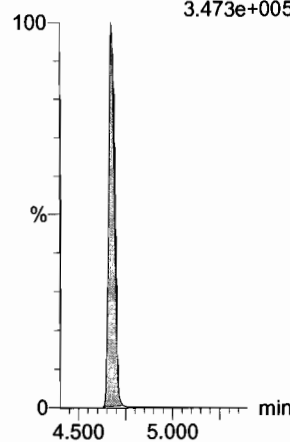
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.761e+005



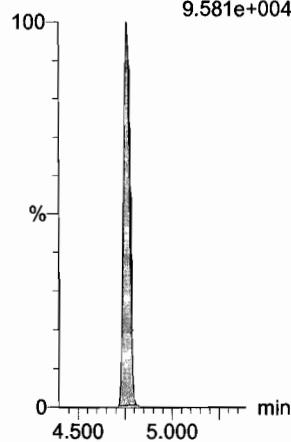
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.473e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
9.581e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

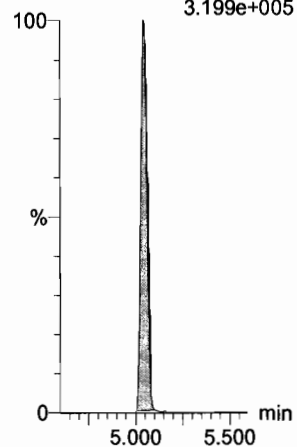
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_6, Date: 29-Dec-2017, Time: 14:16:26, ID: ST171229M2-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

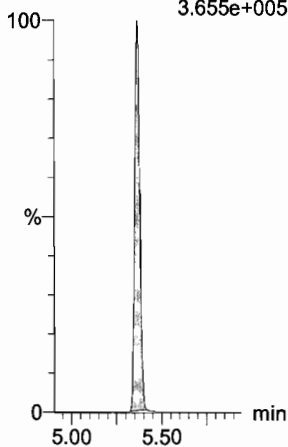
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.199e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
3.655e+005



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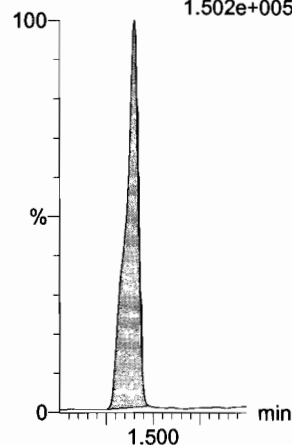
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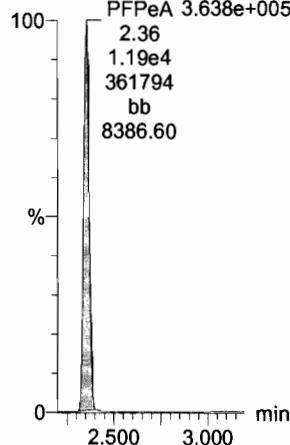
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.502e+005



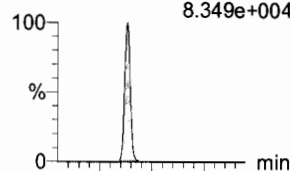
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
PFPeA 3.638e+005
2.36
1.19e4
361794
bb
8386.60

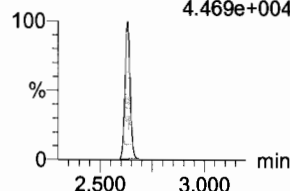


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
8.349e+004

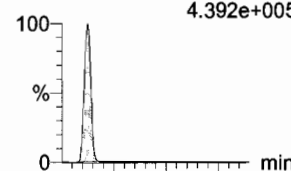


F6:MRM of 2 channels,ES-
299.0 > 99.0
4.469e+004

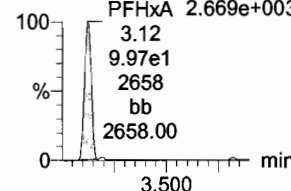


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
4.392e+005

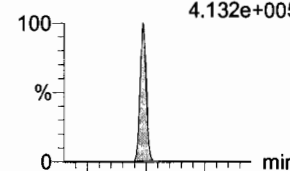


F8:MRM of 2 channels,ES-
313.2 > 119
PFHxA 2.669e+003
3.12
9.97e1
2658
bb
2658.00

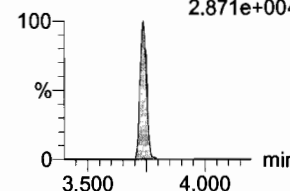


PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
4.132e+005

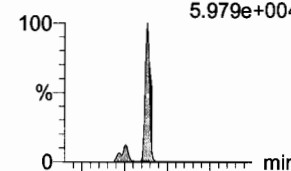


F13:MRM of 2 channels,ES-
363.0 > 169.0
2.871e+004

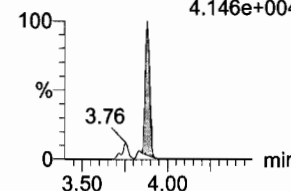


L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
5.979e+004

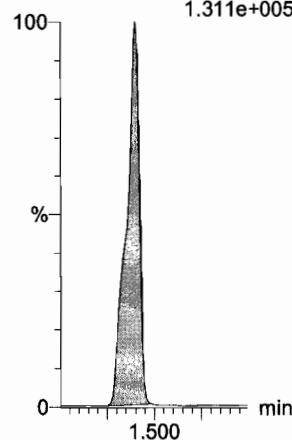


F15:MRM of 2 channels,ES-
398.9 > 99.0
4.146e+004



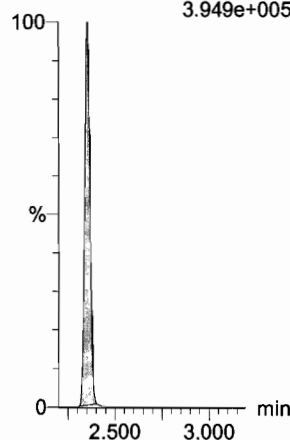
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.311e+005



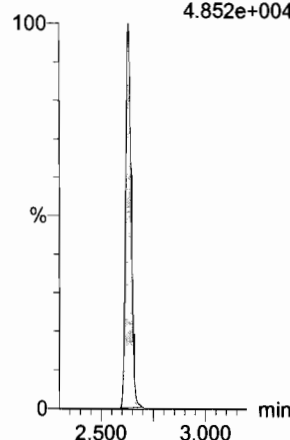
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.949e+005



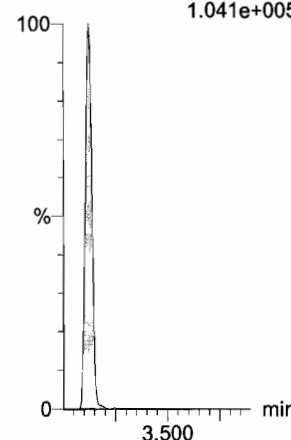
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.852e+004



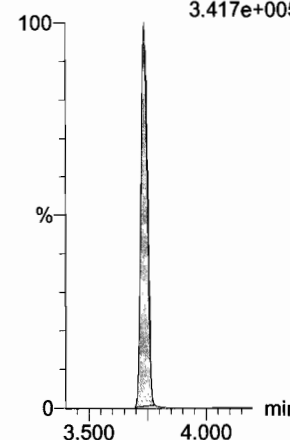
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.041e+005



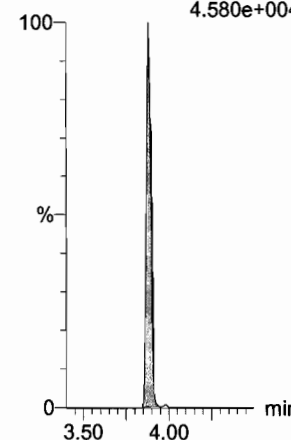
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
3.417e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
4.580e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

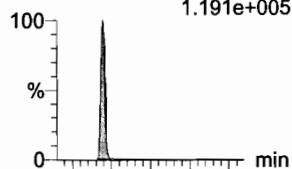
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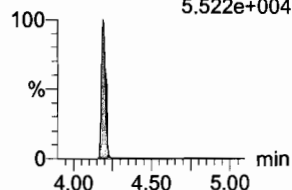
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.191e+005

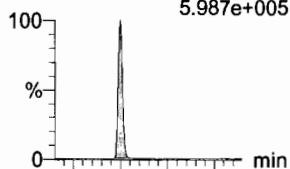


F21:MRM of 2 channels,ES-
427.1 > 80
5.522e+004

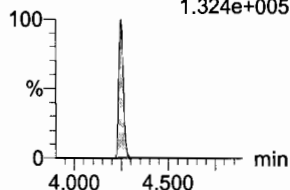


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
5.987e+005

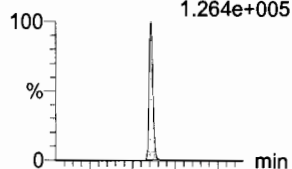


F18:MRM of 2 channels,ES-
413 > 169
1.324e+005

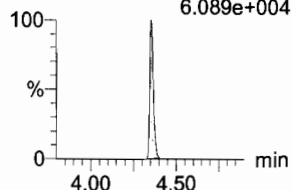


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.264e+005

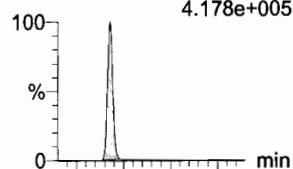


F23:MRM of 2 channels,ES-
449 > 98.7
6.089e+004

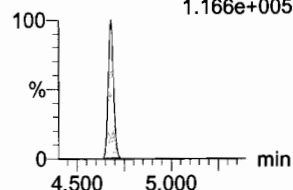


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.178e+005

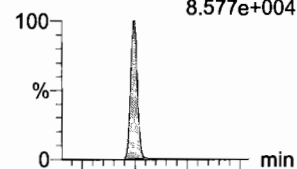


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.166e+005

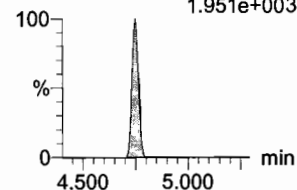


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
8.577e+004

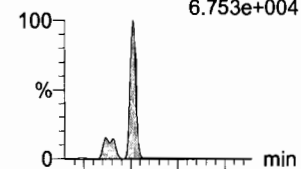


F27:MRM of 2 channels,ES-
498.1 > 478
1.951e+003

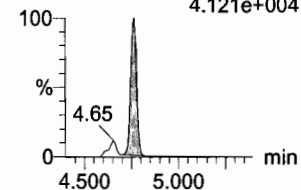


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
6.753e+004

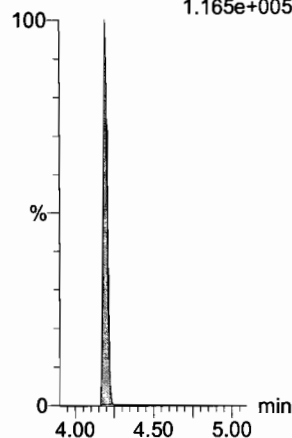


F29:MRM of 2 channels,ES-
499 > 99
4.121e+004



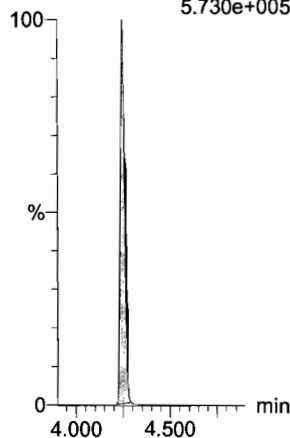
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.165e+005



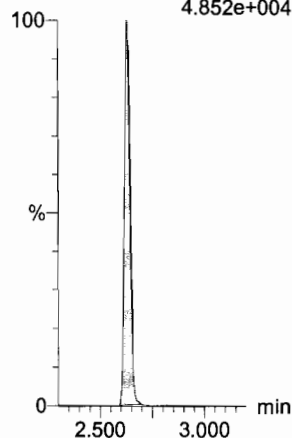
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.730e+005



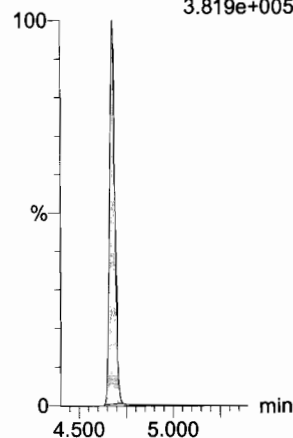
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.852e+004



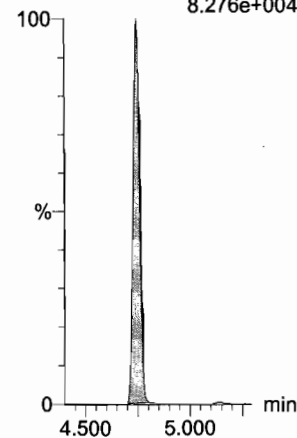
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
3.819e+005



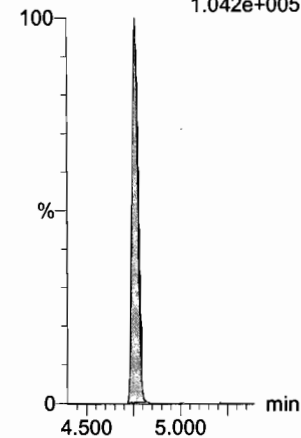
13C8-PFOA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.276e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.042e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

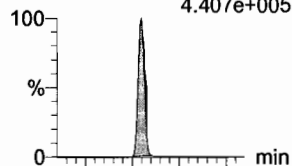
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

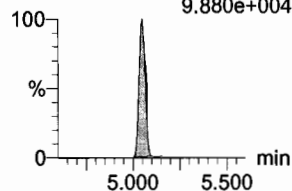
Name: 171229M2_7, Date: 29-Dec-2017, Time: 14:27:38, ID: ST171229M2-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.407e+005

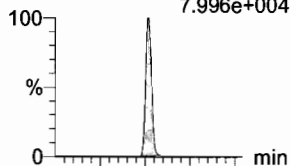


F34:MRM of 2 channels,ES-
513 > 219
9.880e+004

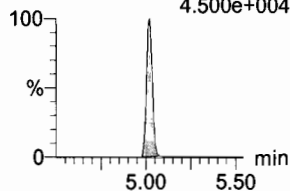


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
7.996e+004

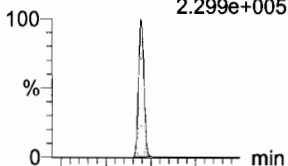


F39:MRM of 2 channels,ES-
527 > 80
4.500e+004

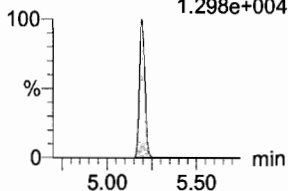


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.299e+005

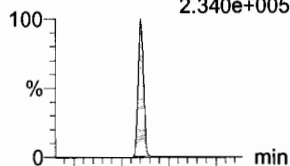


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.298e+004

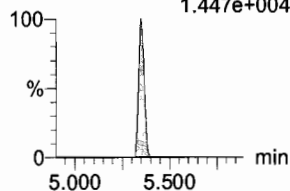


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.340e+005

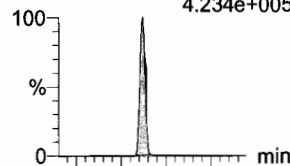


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.447e+004

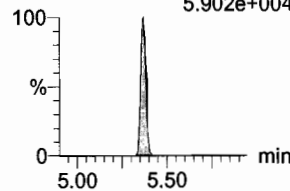


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.234e+005

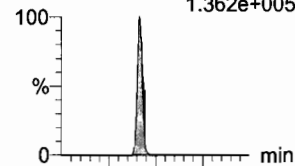


F42:MRM of 2 channels,ES-
563.0 > 269
5.902e+004

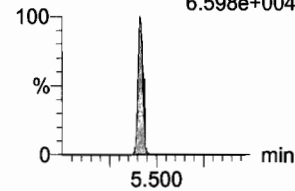


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.362e+005

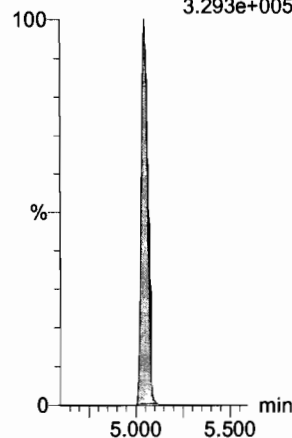


F49:MRM of 2 channels,ES-
598.8 > 98.7
6.598e+004



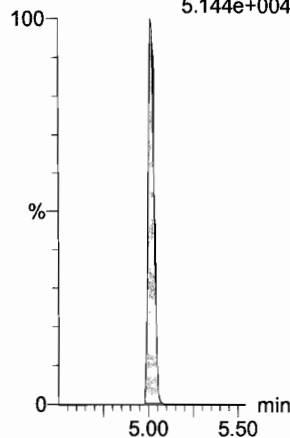
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.293e+005



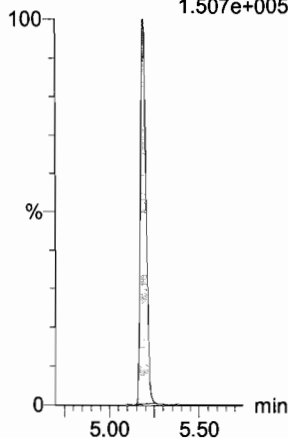
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
5.144e+004



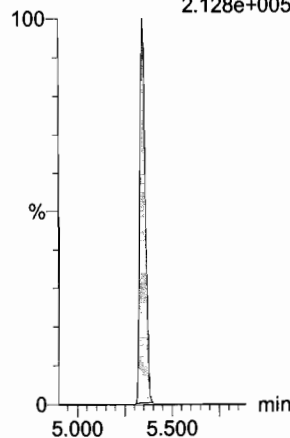
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.507e+005



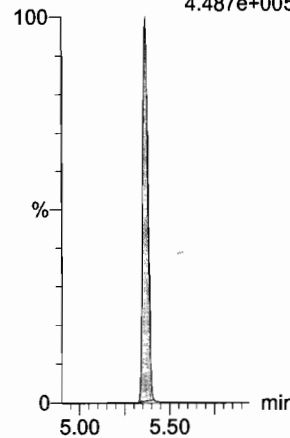
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.128e+005



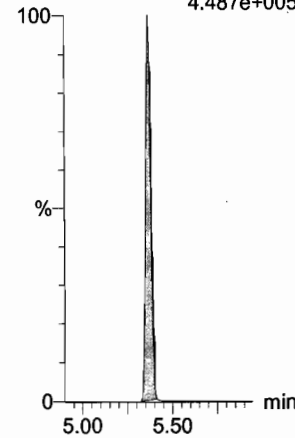
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.487e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.487e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

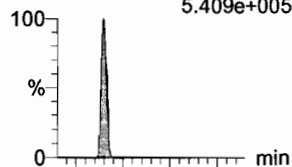
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_7, Date: 29-Dec-2017, Time: 14:27:38, ID: ST171229M2-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

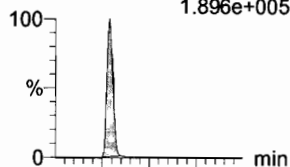
PFDaA

F50:MRM of 2 channels,ES-
612.9 > 569.0
5.409e+005



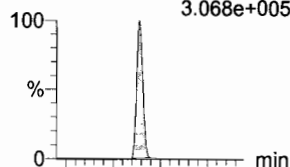
N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
1.896e+005



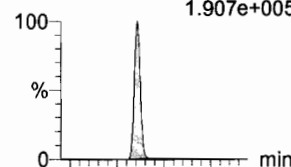
PFTTrDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
3.068e+005



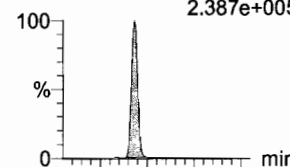
PFTeDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
1.907e+005



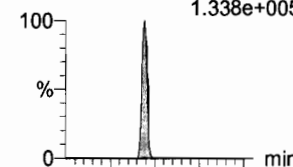
N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
2.387e+005

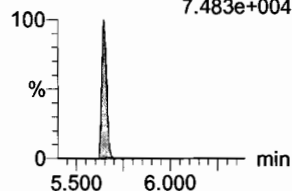


PFHxDA

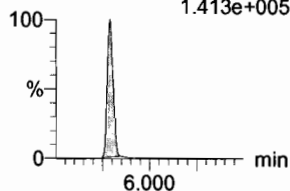
F59:MRM of 2 channels,ES-
813.1 > 768.6
1.338e+005



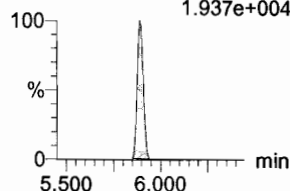
F50:MRM of 2 channels,ES-
612.9 > 318.8
7.483e+004



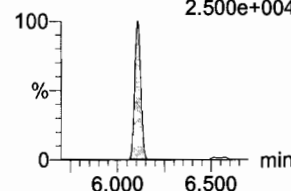
F33:MRM of 2 channels,ES-
512.1 > 219
1.413e+005



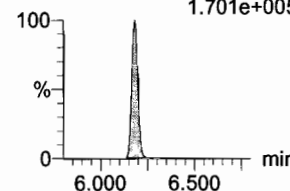
F56:MRM of 2 channels,ES-
662.9 > 319
1.937e+004



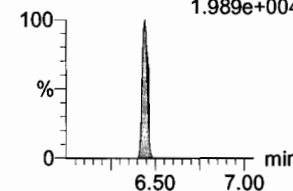
F57:MRM of 2 channels,ES-
712.9 > 369
2.500e+004



F38:MRM of 2 channels,ES-
526.1 > 219
1.701e+005

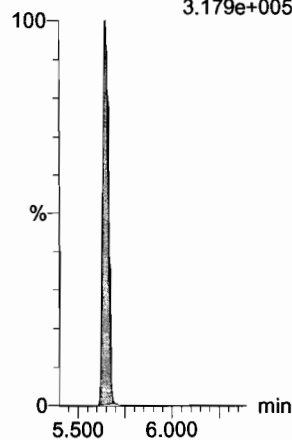


F59:MRM of 2 channels,ES-
813.1 > 219
1.989e+004



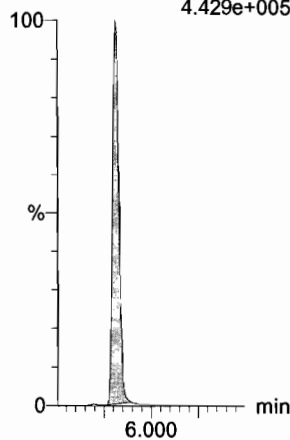
13C2-PFDaA

F51:MRM of 1 channel,ES-
615.0 > 569.7
3.179e+005



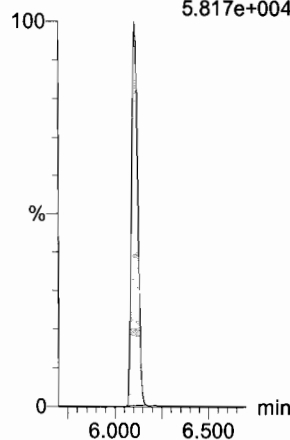
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.429e+005



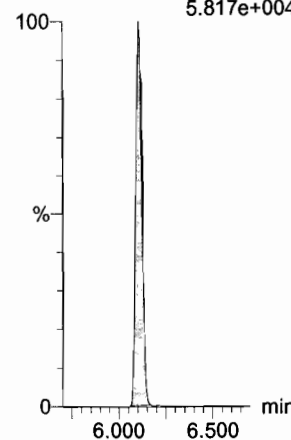
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
5.817e+004



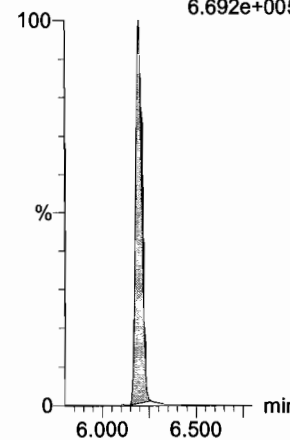
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
5.817e+004



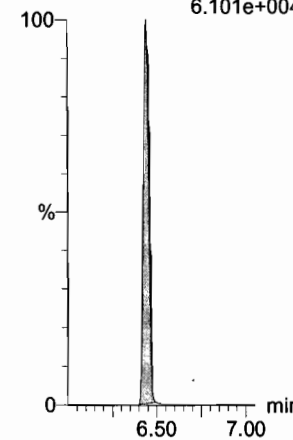
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
6.692e+005



13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
6.101e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

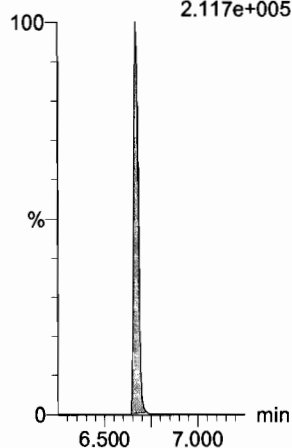
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_7, Date: 29-Dec-2017, Time: 14:27:38, ID: ST171229M2-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

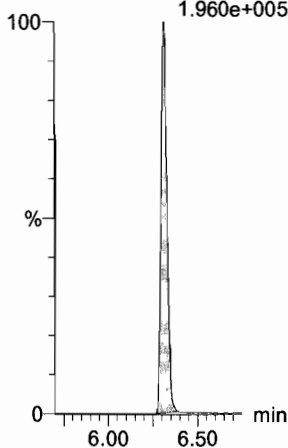
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.117e+005



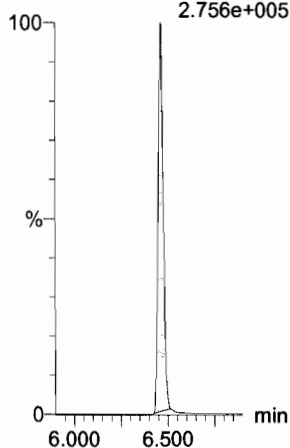
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.960e+005



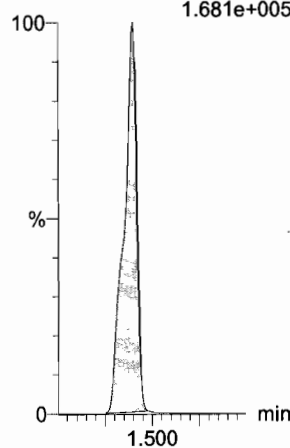
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.756e+005



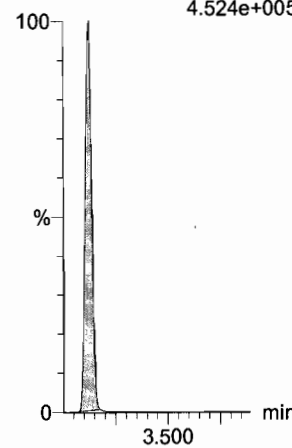
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.681e+005



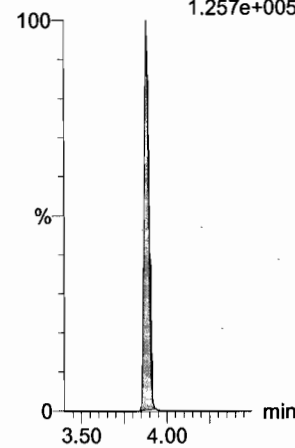
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.524e+005



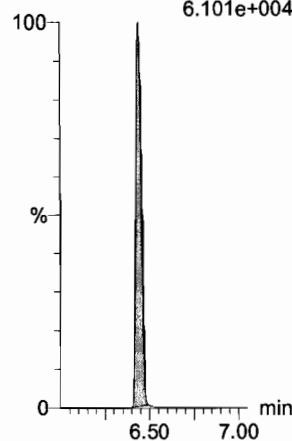
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.257e+005



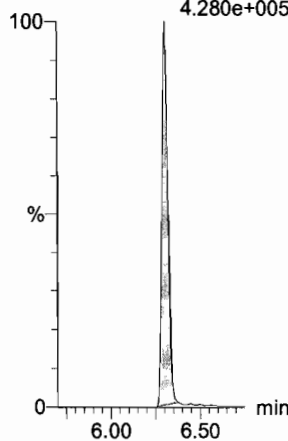
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
6.101e+004



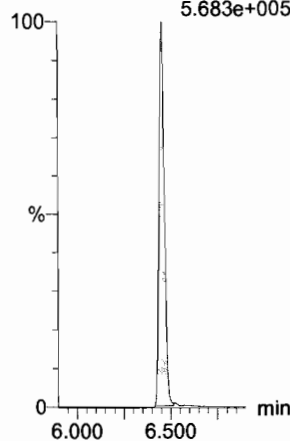
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.280e+005



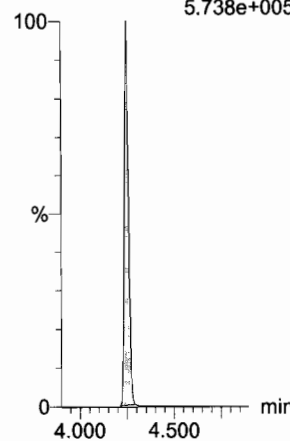
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.683e+005



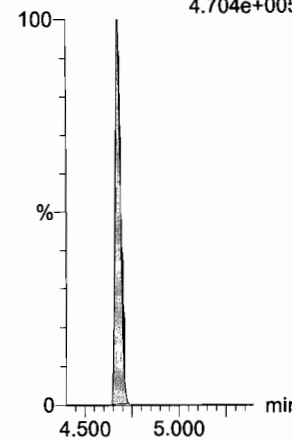
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.738e+005



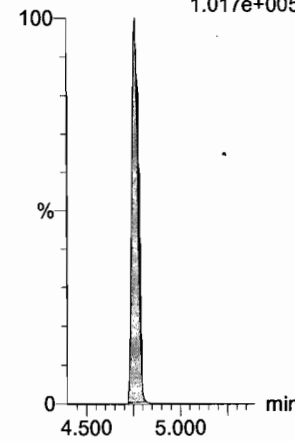
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.704e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.017e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

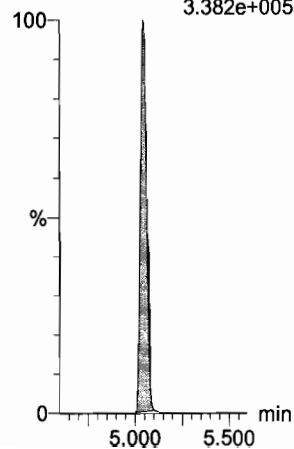
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_7, Date: 29-Dec-2017, Time: 14:27:38, ID: ST171229M2-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

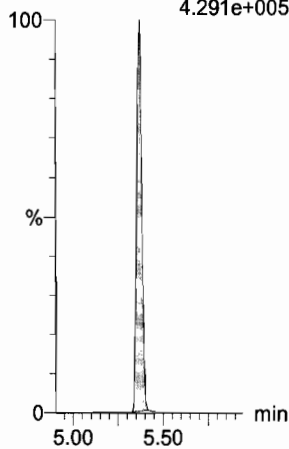
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.382e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.291e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

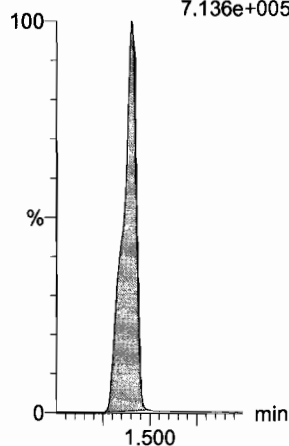
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

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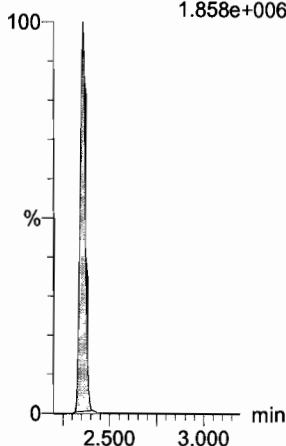
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
7.136e+005



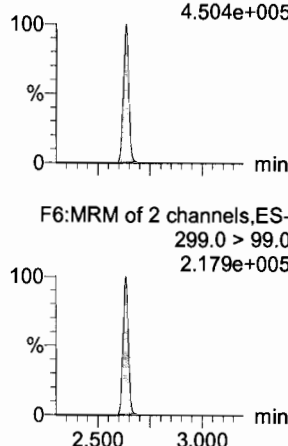
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
1.858e+006



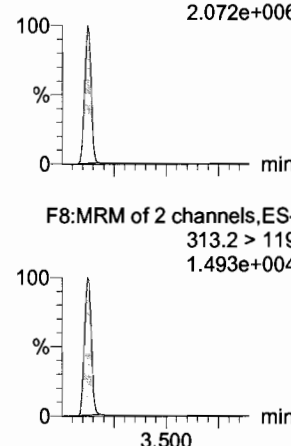
PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
4.504e+005



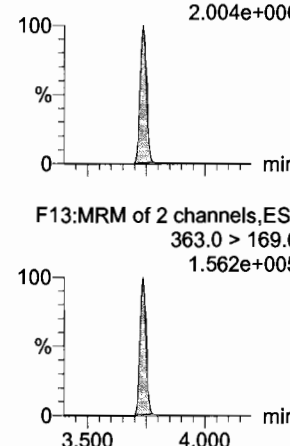
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
2.072e+006



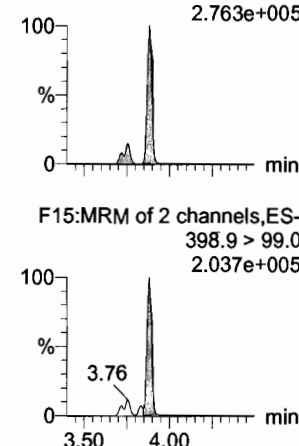
PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
2.004e+006



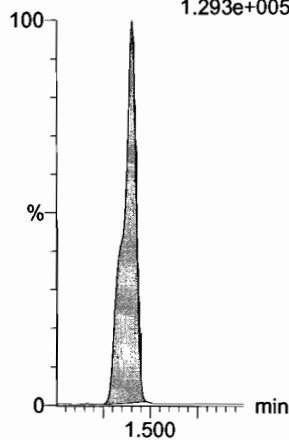
L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
2.763e+005



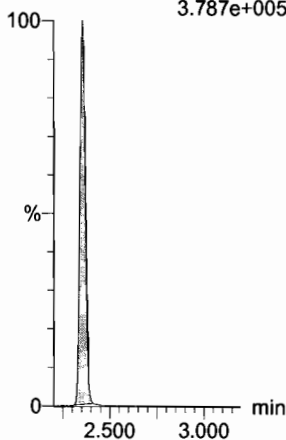
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.293e+005



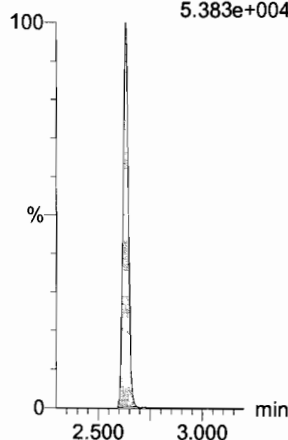
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.787e+005



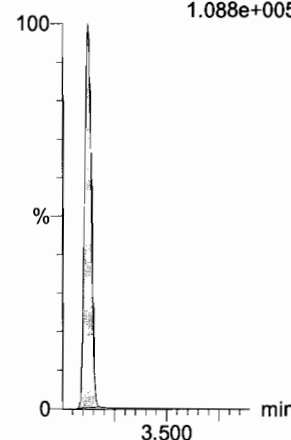
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.383e+004



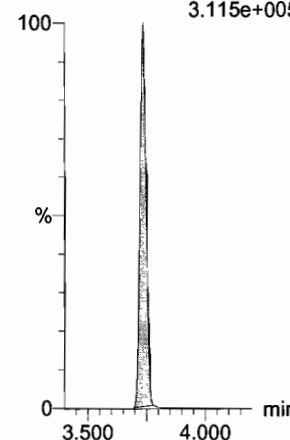
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.088e+005



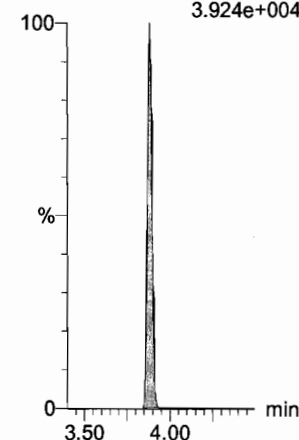
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
3.115e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
3.924e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

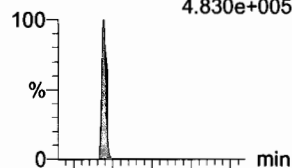
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

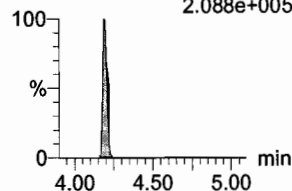
Name: 171229M2_8, Date: 29-Dec-2017, Time: 14:38:48, ID: ST171229M2-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
4.830e+005

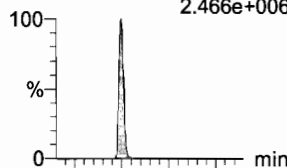


F21:MRM of 2 channels,ES-
427.1 > 80
2.088e+005

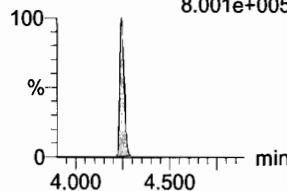


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
2.466e+006

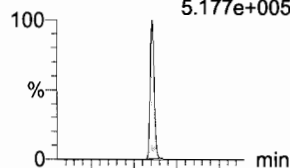


F18:MRM of 2 channels,ES-
413 > 169
8.001e+005

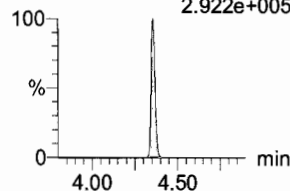


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
5.177e+005

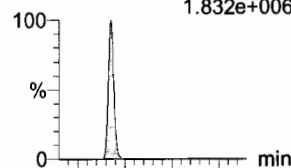


F23:MRM of 2 channels,ES-
449 > 98.7
2.922e+005

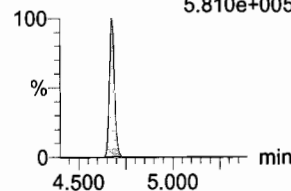


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
1.832e+006

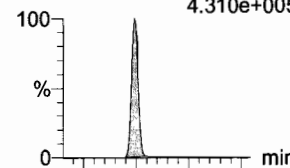


F24:MRM of 2 channels,ES-
463.0 > 219.0
5.810e+005

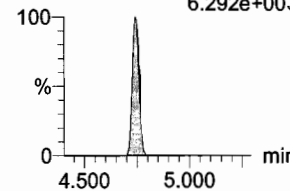


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
4.310e+005

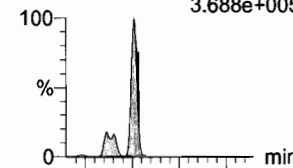


F27:MRM of 2 channels,ES-
498.1 > 478
6.292e+003

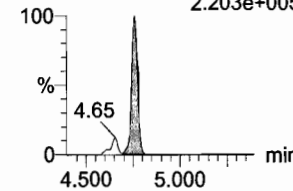


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
3.688e+005

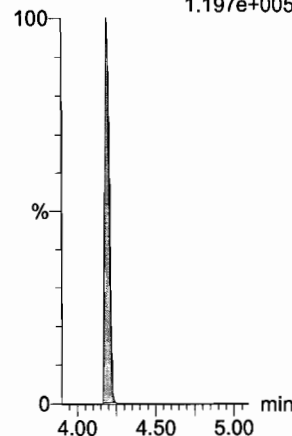


F29:MRM of 2 channels,ES-
499 > 99
2.203e+005



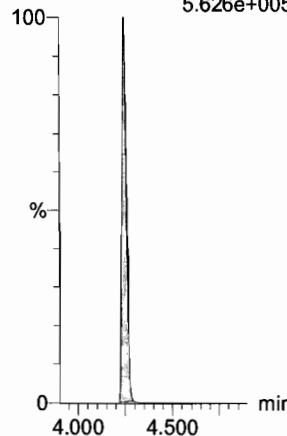
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.197e+005



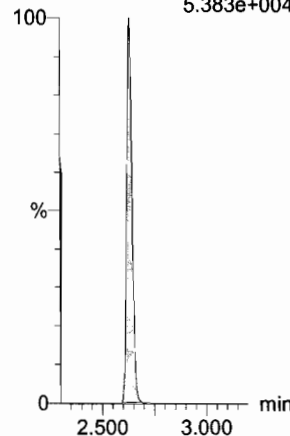
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.626e+005



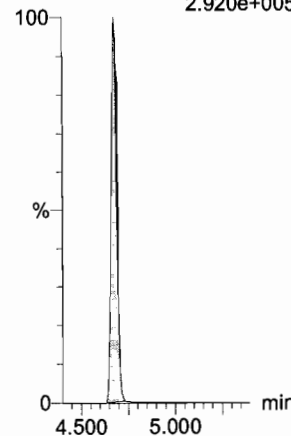
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.383e+004



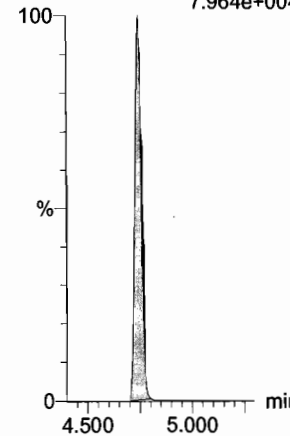
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
2.920e+005



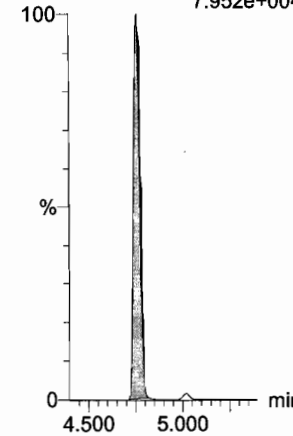
13C8-PFOA

F31:MRM of 1 channel,ES-
506.1 > 77.7
7.964e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
7.952e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

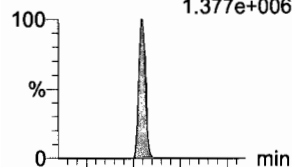
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

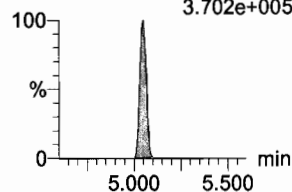
Name: 171229M2_8, Date: 29-Dec-2017, Time: 14:38:48, ID: ST171229M2-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
1.377e+006

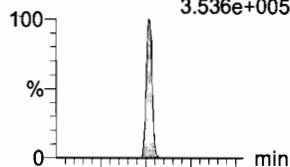


F34:MRM of 2 channels,ES-
513 > 219
3.702e+005

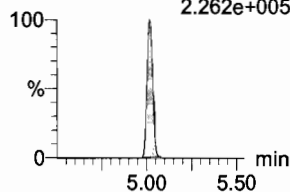


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
3.536e+005

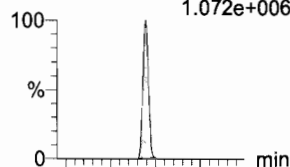


F39:MRM of 2 channels,ES-
527 > 80
2.262e+005

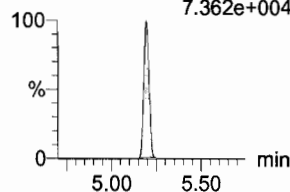


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
1.072e+006

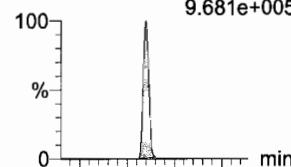


F44:MRM of 2 channels,ES-
570.1 > 483.0
7.362e+004

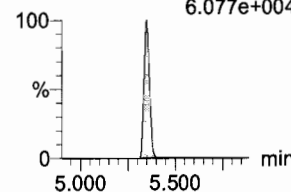


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
9.681e+005

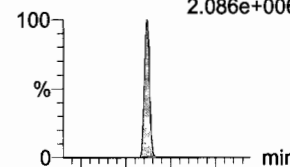


F47:MRM of 2 channels,ES-
584.2 > 483.0
6.077e+004

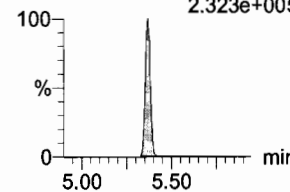


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
2.086e+006

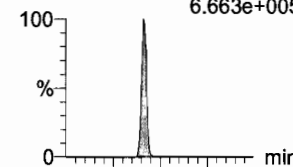


F42:MRM of 2 channels,ES-
563.0 > 269
2.323e+005

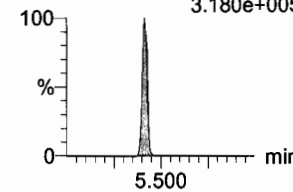


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
6.663e+005

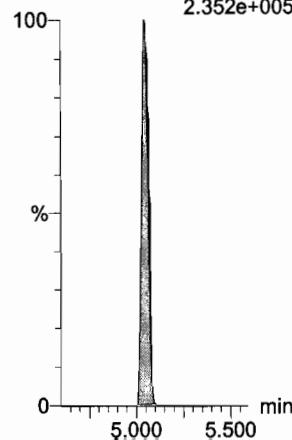


F49:MRM of 2 channels,ES-
598.8 > 98.7
3.180e+005



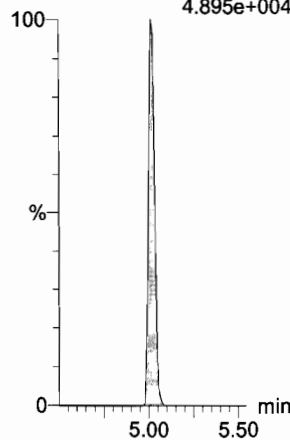
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
2.352e+005



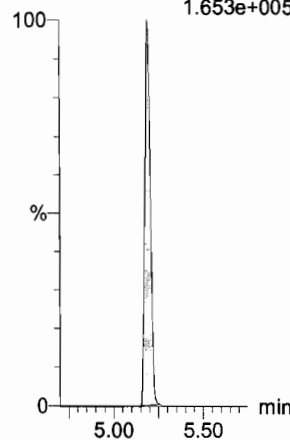
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
4.895e+004



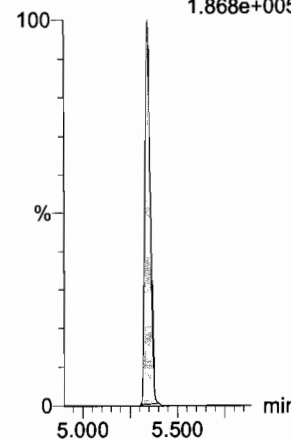
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.653e+005



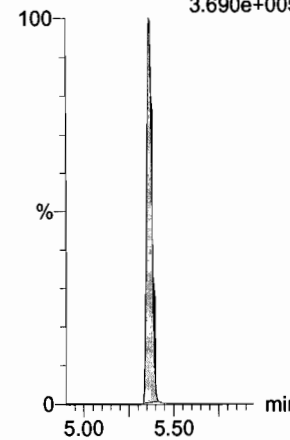
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
1.868e+005



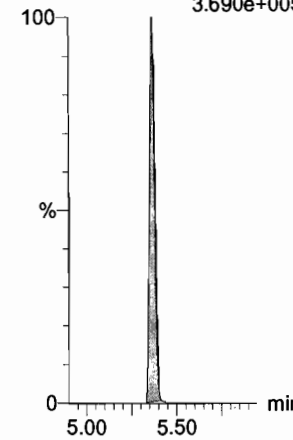
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
3.690e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
3.690e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

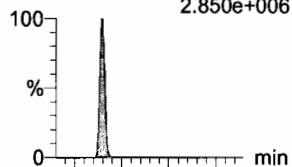
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

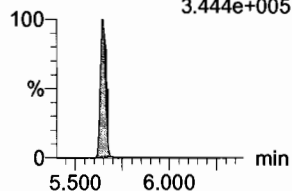
Name: 171229M2_8, Date: 29-Dec-2017, Time: 14:38:48, ID: ST171229M2-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

PFDaA

F50:MRM of 2 channels,ES-
612.9 > 569.0
2.850e+006

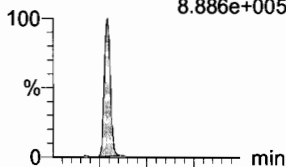


F50:MRM of 2 channels,ES-
612.9 > 318.8
3.444e+005

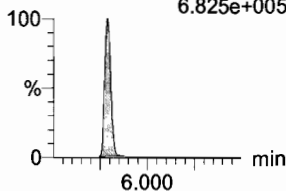


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
8.886e+005

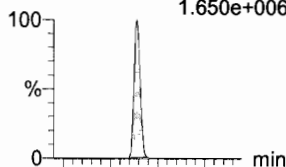


F33:MRM of 2 channels,ES-
512.1 > 219
6.825e+005

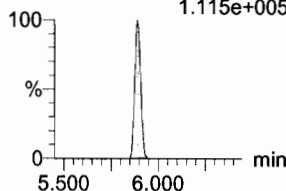


PFTrDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
1.650e+006

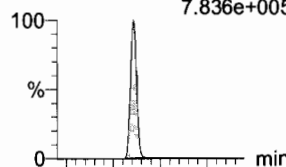


F56:MRM of 2 channels,ES-
662.9 > 319
1.115e+005

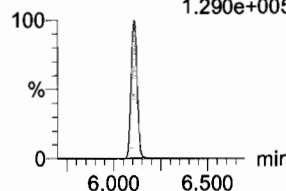


PFTeDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
7.836e+005

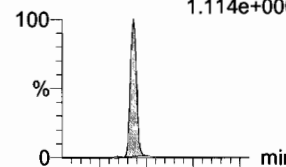


F57:MRM of 2 channels,ES-
712.9 > 369
1.290e+005

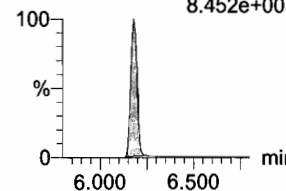


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
1.114e+006

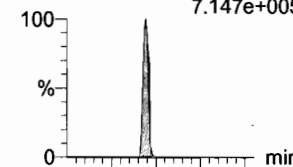


F38:MRM of 2 channels,ES-
526.1 > 219
8.452e+005

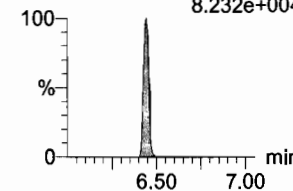


PFHxDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
7.147e+005

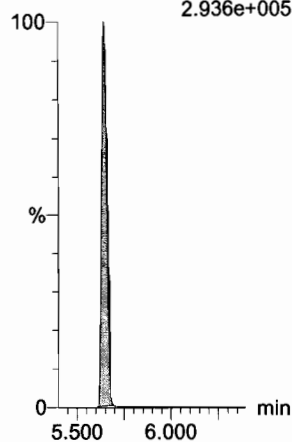


F59:MRM of 2 channels,ES-
813.1 > 219
8.232e+004



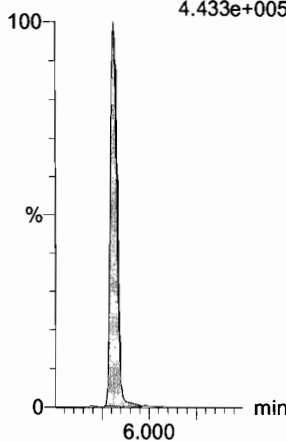
13C2-PFDaA

F51:MRM of 1 channel,ES-
615.0 > 569.7
2.936e+005



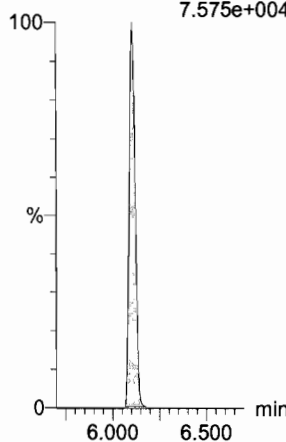
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.433e+005



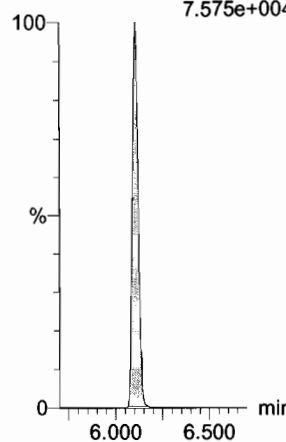
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.575e+004



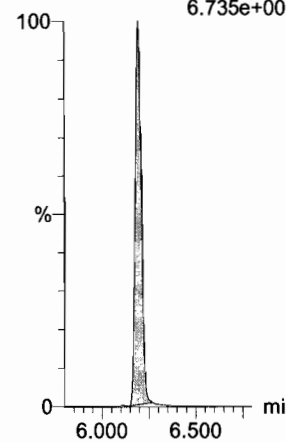
13C2-PFTeDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
7.575e+004



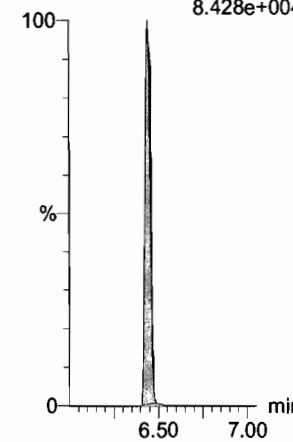
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
6.735e+005



13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.428e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

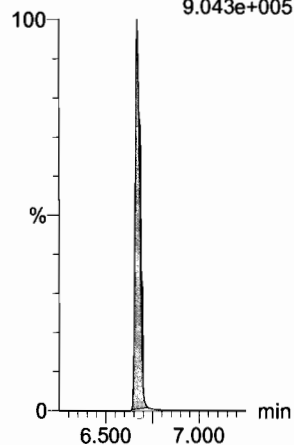
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_8, Date: 29-Dec-2017, Time: 14:38:48, ID: ST171229M2-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

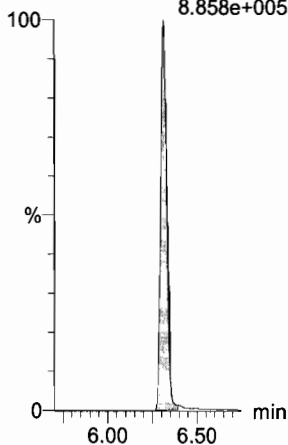
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
9.043e+005



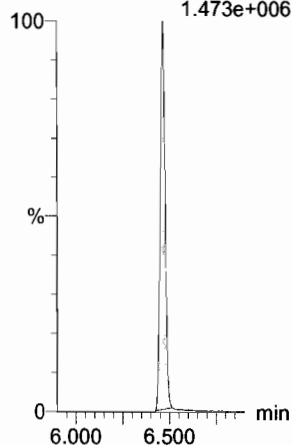
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
8.858e+005



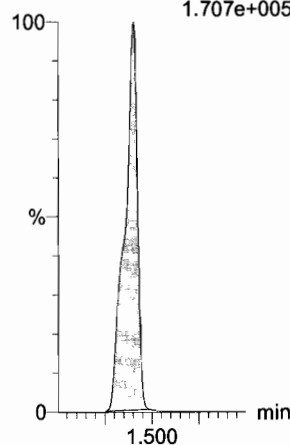
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.473e+006



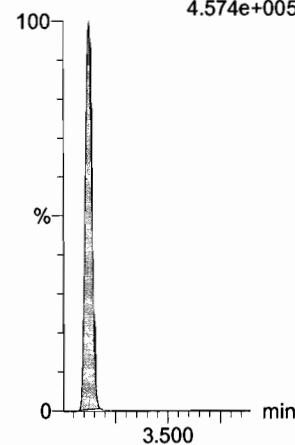
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.707e+005



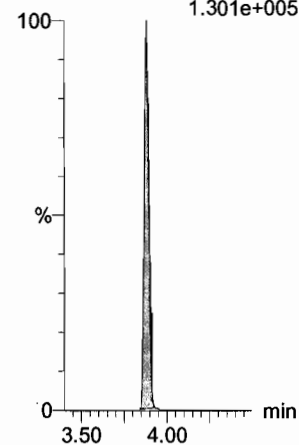
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.574e+005



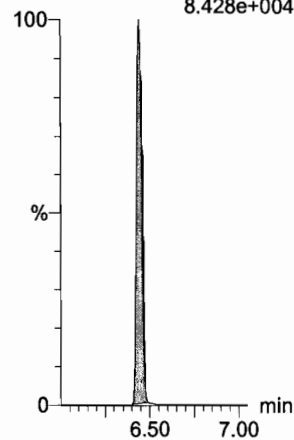
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.301e+005



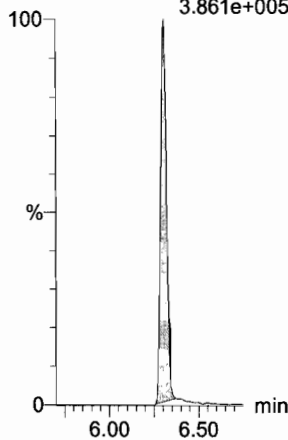
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.428e+004



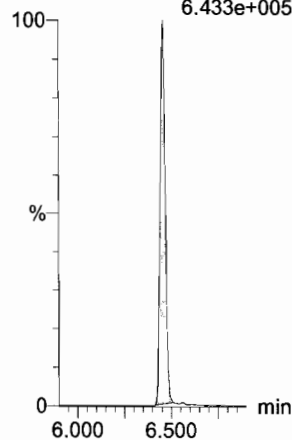
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
3.861e+005



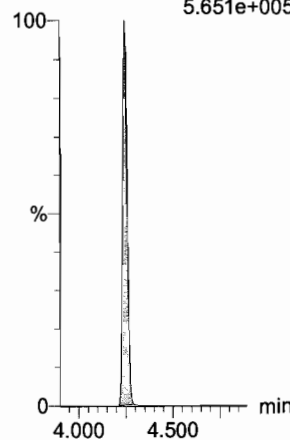
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.433e+005



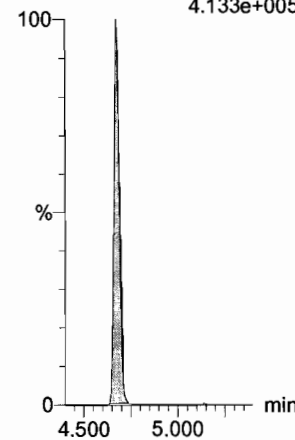
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.651e+005



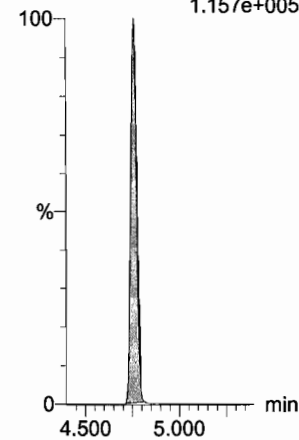
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.133e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.157e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

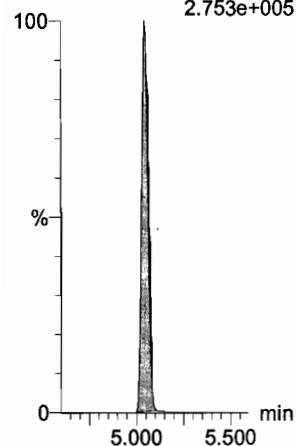
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Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

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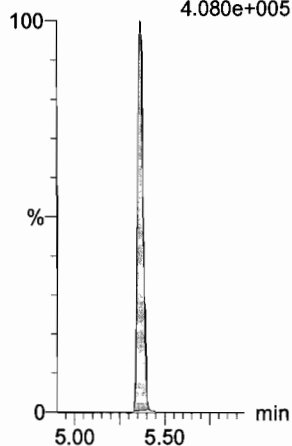
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
2.753e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.080e+005



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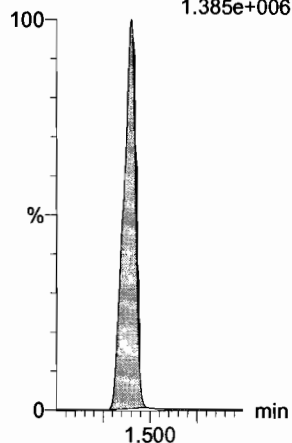
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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

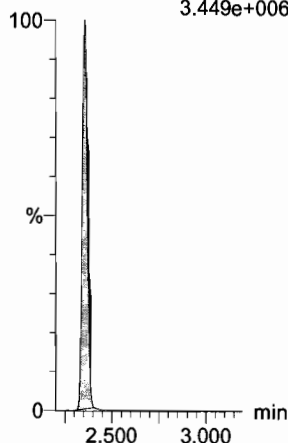
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.385e+006



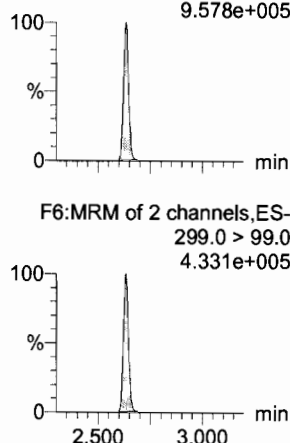
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
3.449e+006



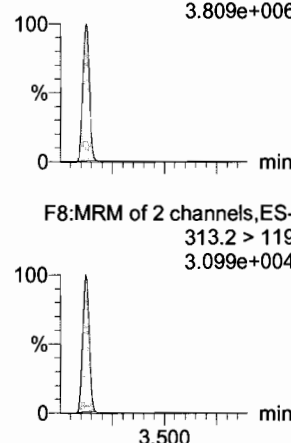
PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
9.578e+005



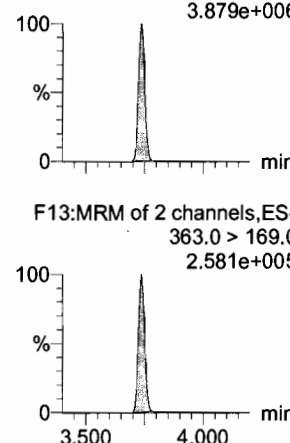
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
3.809e+006



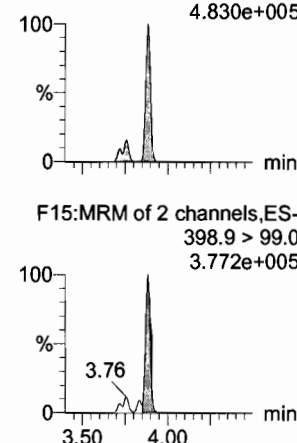
PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
3.879e+006



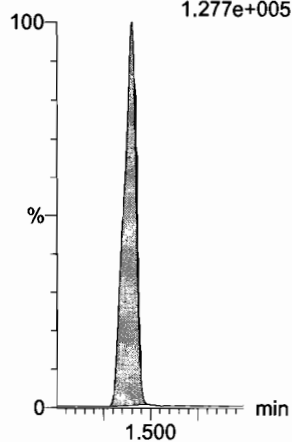
L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
4.830e+005



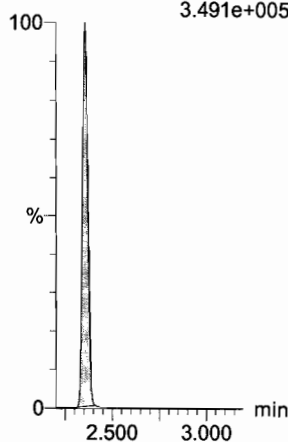
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.277e+005



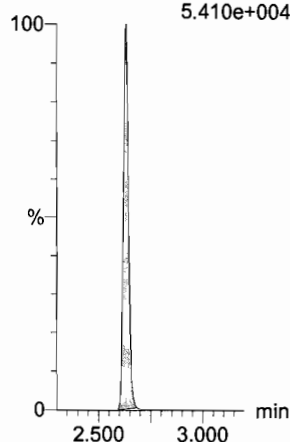
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.491e+005



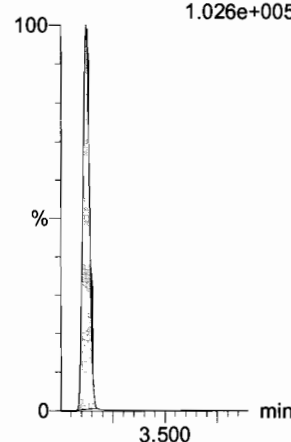
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.410e+004



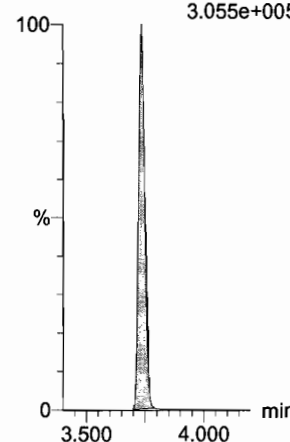
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.026e+005



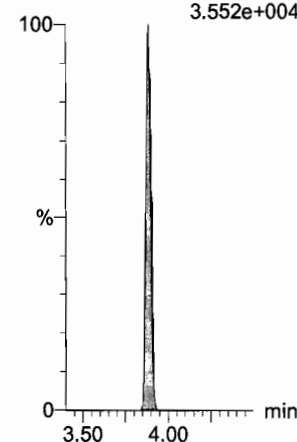
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
3.055e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
3.552e+004



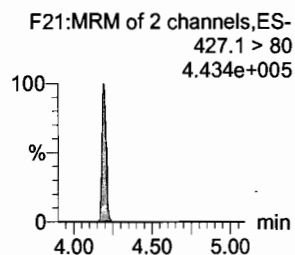
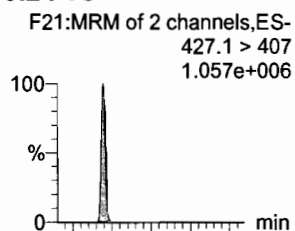
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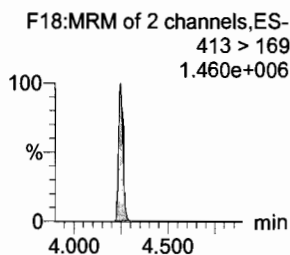
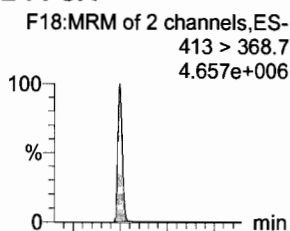
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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

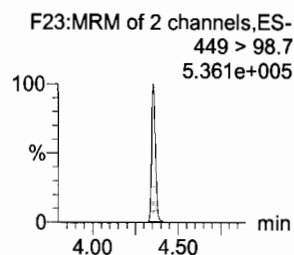
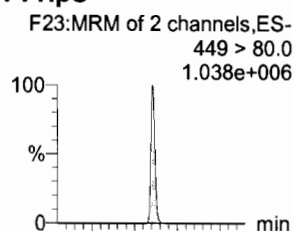
6:2 FTS



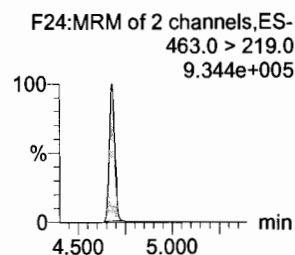
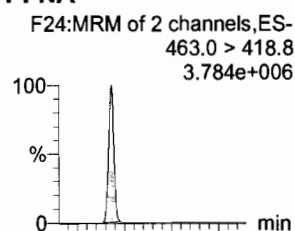
L-PFOA



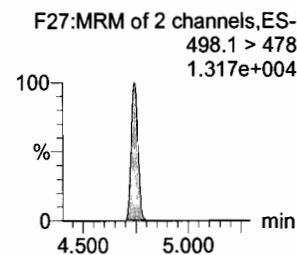
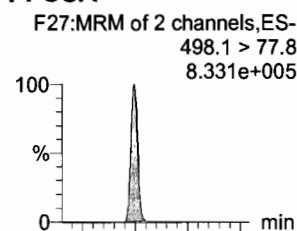
PFHpS



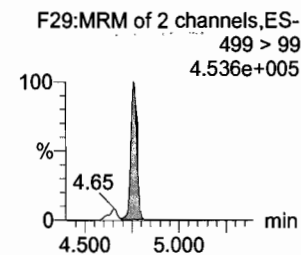
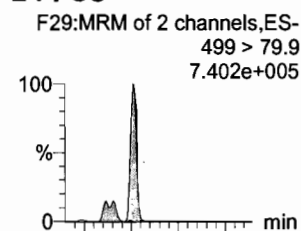
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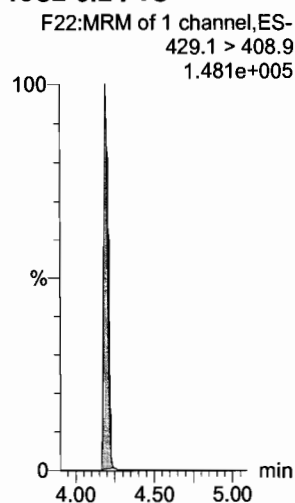
PFOSA



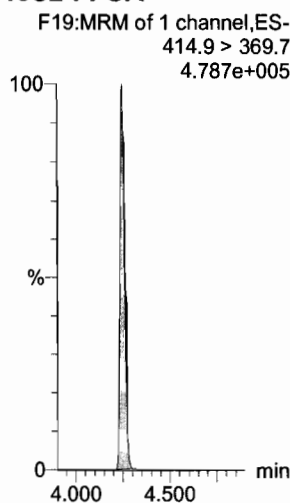
L-PFOS



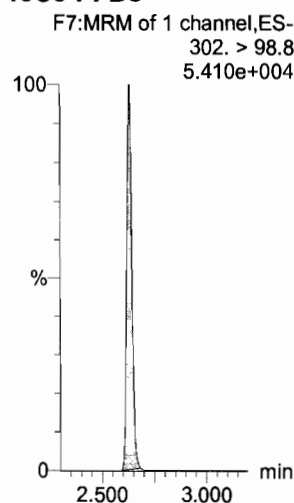
13C2-6:2 FTS



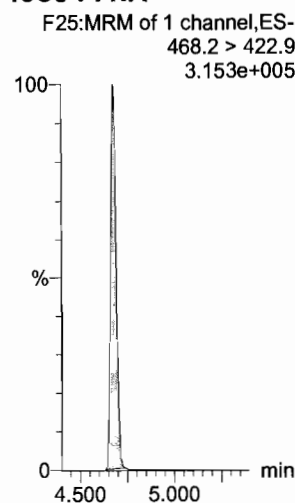
13C2-PFOA



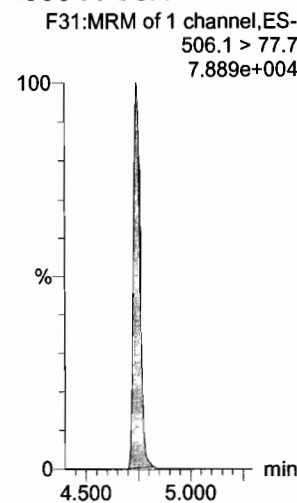
13C3-PFBS



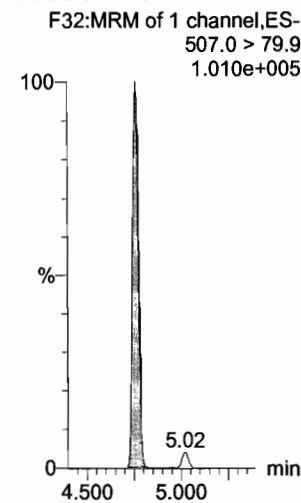
13C5-PFNA



13C8-PFOSA



13C8-PFOS



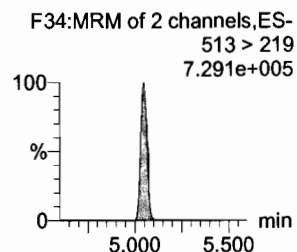
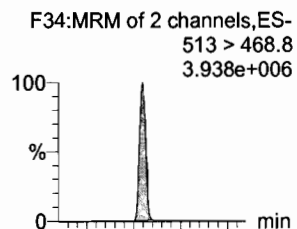
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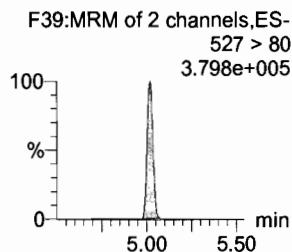
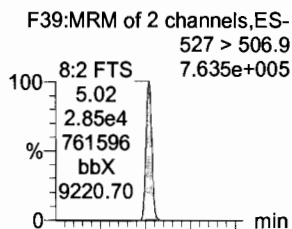
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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

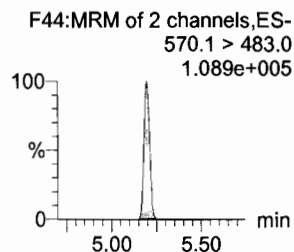
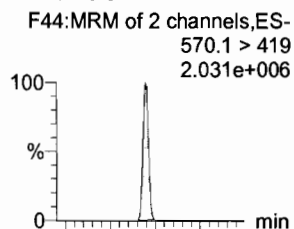
PFDA



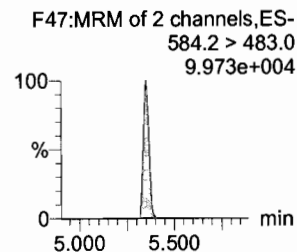
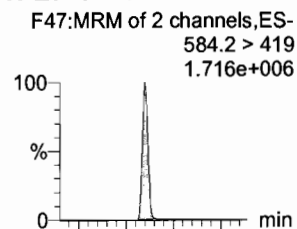
8:2 FTS



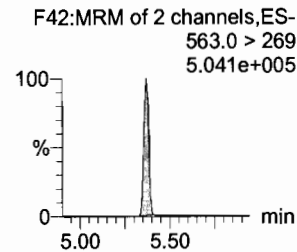
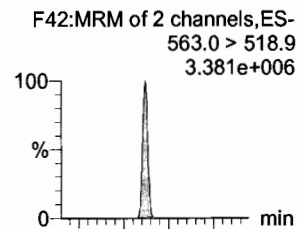
N-MeFOSAA



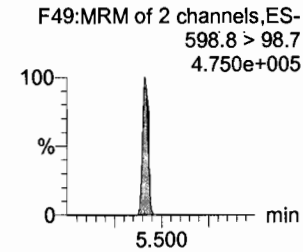
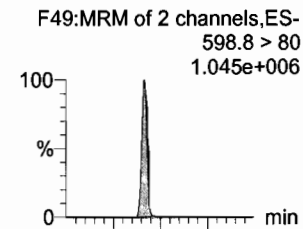
N-EtFOSAA



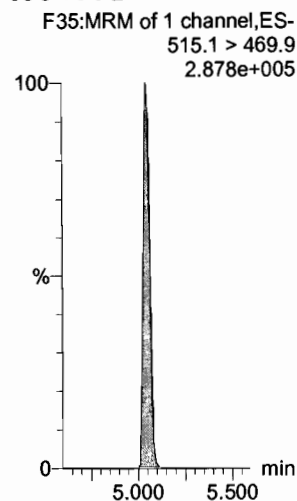
PFUdA



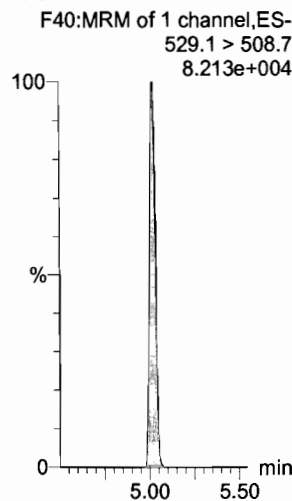
PFDS



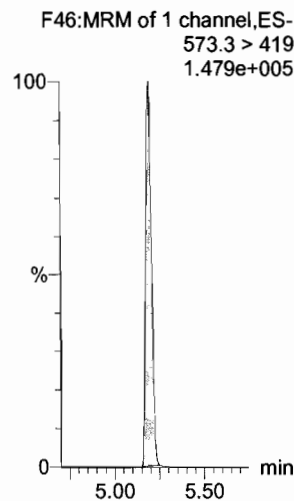
13C2-PFDA



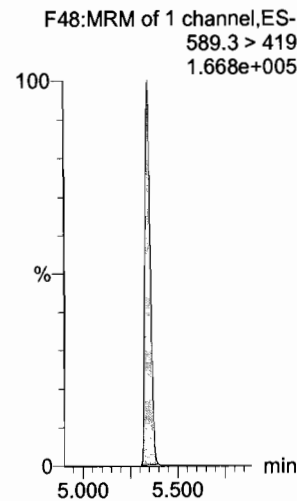
13C2-8:2 FTS



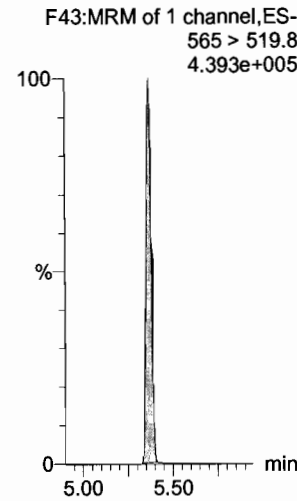
d3-N-MeFOSAA



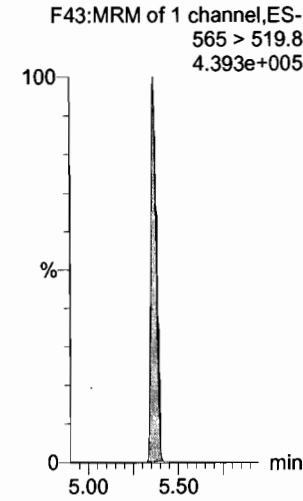
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



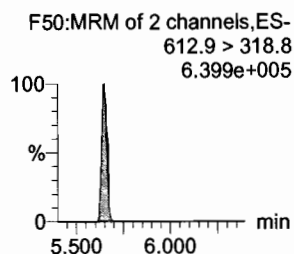
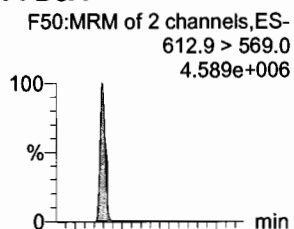
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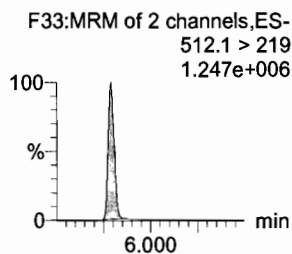
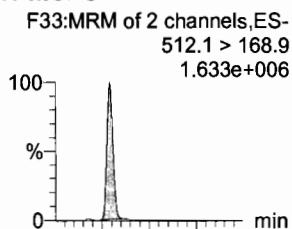
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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

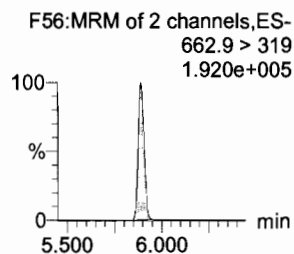
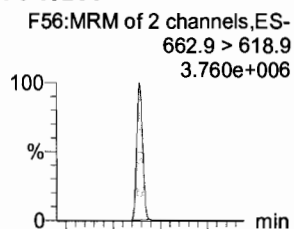
PFDaA



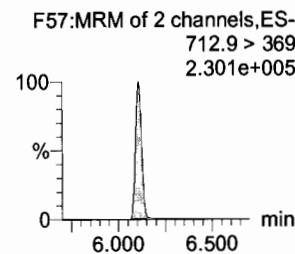
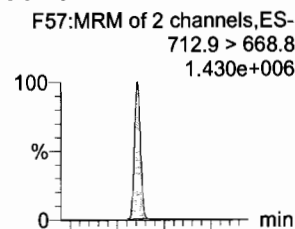
N-MeFOSA



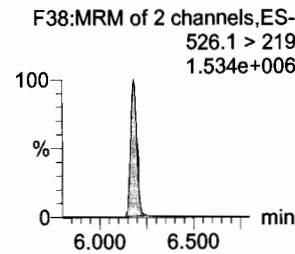
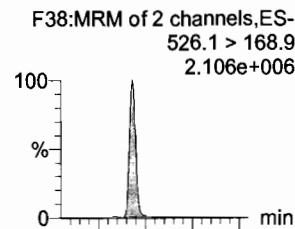
PFTrDA



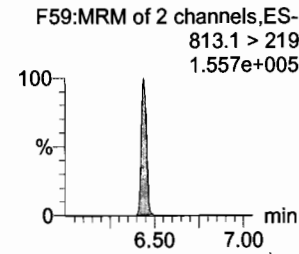
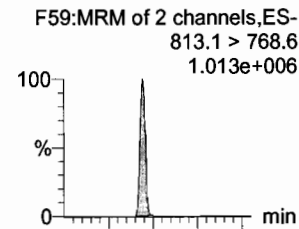
PFTeDA



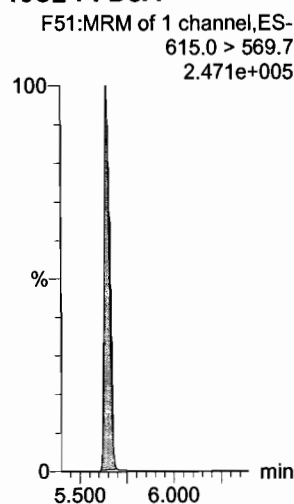
N-EtFOSA



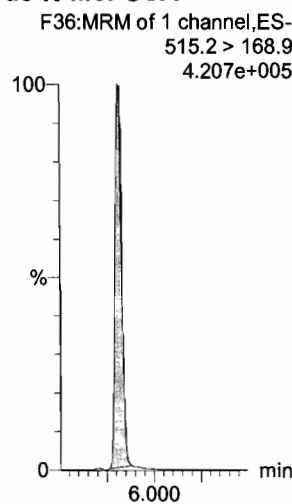
PFHxDA



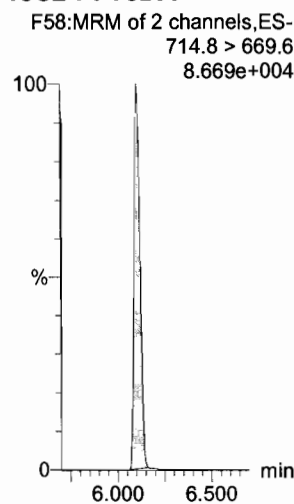
13C2-PFDaA



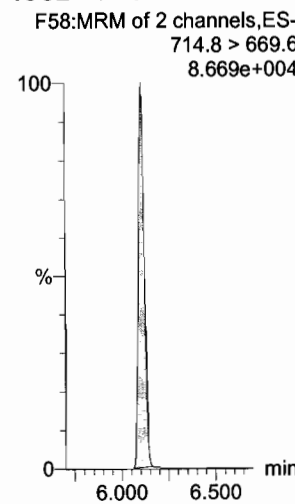
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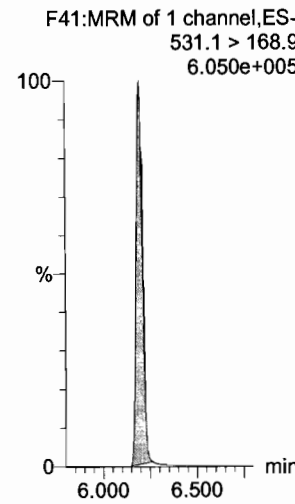
13C2-PFTeDA



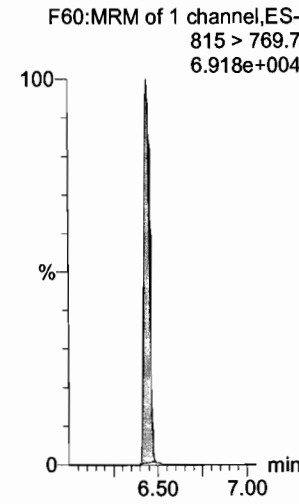
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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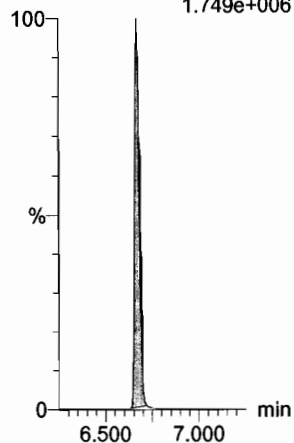
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Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

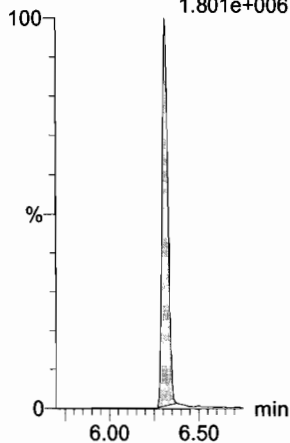
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.749e+006



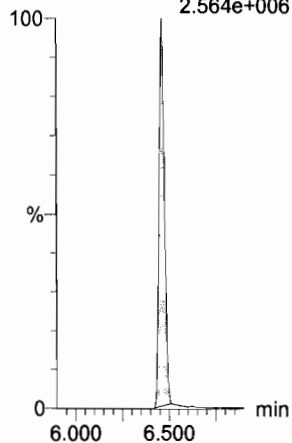
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.801e+006



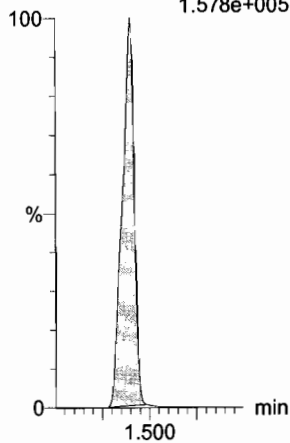
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.564e+006



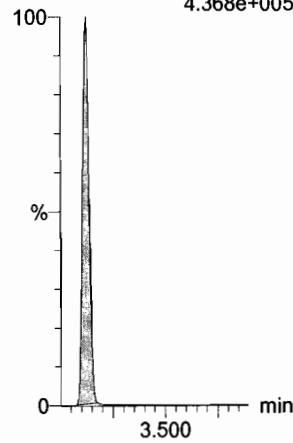
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.578e+005



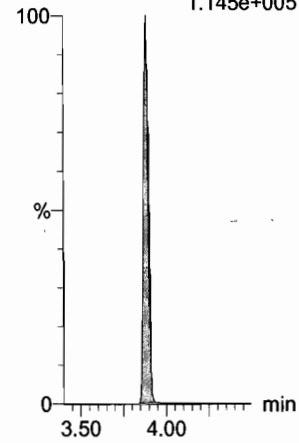
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.368e+005



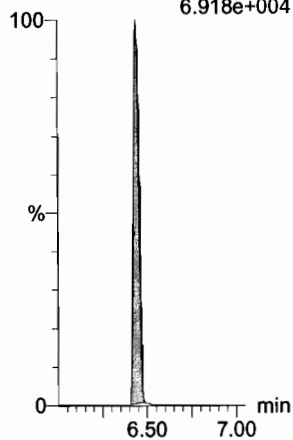
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.145e+005



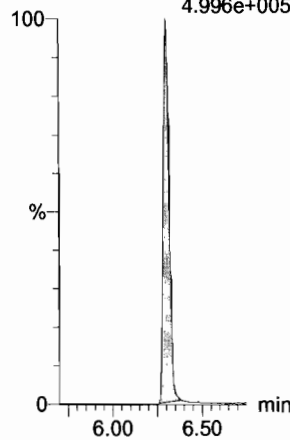
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
6.918e+004



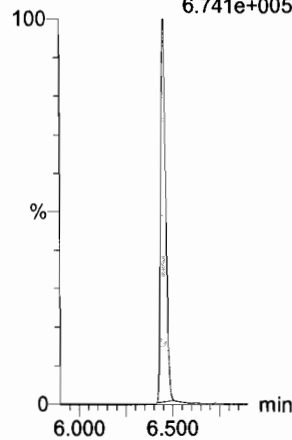
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.996e+005



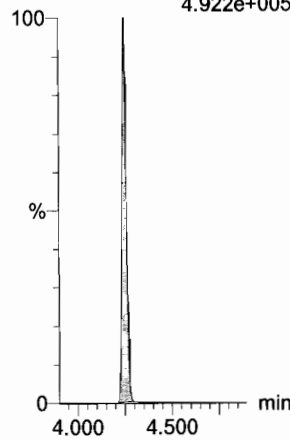
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.741e+005



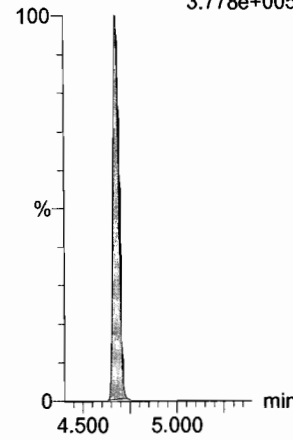
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
4.922e+005



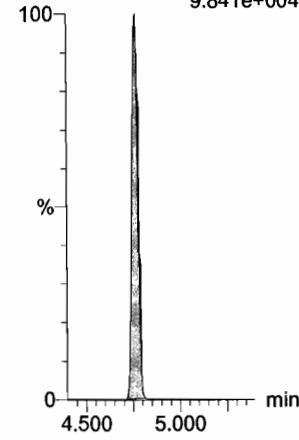
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.778e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
9.841e+004



Dataset: U:\Q4.PRO\results\171229M2\171229M2-CRV.qld

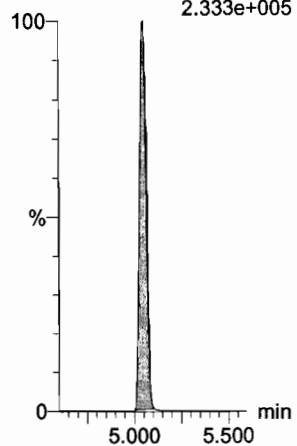
Last Altered: Friday, December 29, 2017 15:29:28 Pacific Standard Time

Printed: Friday, December 29, 2017 15:32:14 Pacific Standard Time

Name: 171229M2_9, Date: 29-Dec-2017, Time: 14:49:59, ID: ST171229M2-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

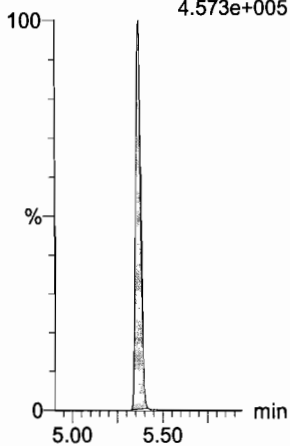
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
2.333e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.573e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-14.qld

Ⓐ No SS available.

Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 29 Dec 2017 15:16:53

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171229M2_14, Date: 29-Dec-2017, Time: 15:54:47, ID: ICV171229M2-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

AC
12/29/17
✓ 12/30/2017

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.10e4	1.11e4	1.0000		1.47	1.41	12.4	9.096	91.0
2	2 PFPeA	263.1 > 218.9	1.15e4	1.33e4	1.0000		2.35	2.34	10.7	9.012	90.1
3	3 PFBS	299.0 > 79.7	2.33e3	1.87e3	1.0000		2.70	2.62	15.6	7.234	72.3
4	4 PFHxA	313.2 > 268.9	1.43e4	4.43e3	1.0000		3.12	3.12	16.2	8.656	86.6
5	5 PFHpA	363.0 > 318.9	1.18e4	1.18e4	1.0000		3.75	3.73	12.5	7.948	79.5
6	6 L-PFHxS	398.9 > 79.6	1.76e3	1.34e3	1.0000		3.85	3.88	16.5	7.782	77.8
7	8 6:2 FTS	427.1 > 407	2.92e3	1.55e4	1.0000		4.20	4.19	2.35	9.502	95.0
8	9 L-PFOA	413 > 368.7	1.26e4	1.55e4	1.0000		4.25	4.24	10.2	8.343	83.4
9	11 PFHpS	449 > 80.0	2.75e3	1.55e4	1.0000		4.35	4.35	2.22	8.862	88.6
10	12 PFNA	463.0 > 418.8	1.35e4	1.39e4	1.0000		4.70	4.68	12.2	7.836	78.4
11	13 PFOSA	498.1 > 77.8	3.29e3	3.47e3	1.0000		4.81	4.74	11.9	8.918	89.2
12	14 L-PFOS	499 > 79.9	3.02e3	3.75e3	1.0000		4.75	4.76	10.1	7.552	75.5
13	16 PFDA	513 > 468.8	1.46e4	1.50e4	1.0000		5.05	5.04	12.2	8.126	81.3
14	17 8:2 FTS	527 > 506.9	3.58e3	1.50e4	1.0000		5.02	5.01	2.99	9.704	97.0
15	18 N-MeFOSAA	570.1 > 419	7.78e3	5.75e3	1.0000		5.20	5.19	16.9	10.158	101.6
16	19 N-EtFOSAA	584.2 > 419	6.67e3	7.14e3	1.0000		5.42	5.35	11.7	8.765	87.6
17	20 PFUdA	563.0 > 518.9	1.36e4	1.68e4	1.0000		5.35	5.36	10.1	8.257	82.6
18	21 PFDS	598.8 > 80	3.62e3	1.68e4	1.0000		5.50	5.41	2.69	7.609	76.1
19	22 PFDoA	612.9 > 569.0	1.46e4	1.22e4	1.0000		5.70	5.64	14.9	7.029	70.3
20	23 N-MeFOSA	512.1 > 168.9		1.85e4	1.0000		5.77				Ⓐ 87.7
21	24 PFTrDA	662.9 > 618.9	1.50e4	1.22e4	1.0000		5.95	5.89	15.3	8.772	
22	25 PFTeDA	712.9 > 668.8	9.12e3	4.47e3	1.0000		6.16	6.11	25.5	7.569	75.7
23	26 N-EtFOSA	526.1 > 168.9		2.71e4	1.0000		6.15				Ⓐ
24	27 PFHxDA	813.1 > 768.6		3.00e3	1.0000		6.48				
25	28 PFODA	913.1 > 868.8		3.00e3	1.0000		6.70				
26	29 N-MeFOSE	616.1 > 58.9		2.36e4	1.0000		6.30				
27	30 N-EtFOSE	630.1 > 58.9		2.02e4	1.0000		6.42				
28	31 13C3-PFBA	216.1 > 171.8	1.11e4	1.24e4	1.0000	0.783	1.47	1.41	11.2	14.247	114.0
29	32 13C3-PFPeA	266. > 221.8	1.33e4	1.56e4	1.0000	0.807	2.44	2.34	10.7	13.218	105.7
30	33 13C3-PFBS	302. > 98.8	1.87e3	1.56e4	1.0000	0.108	2.70	2.62	1.49	13.836	110.7
31	34 13C3-PFHxA	315 > 269.8	4.43e3	1.56e4	1.0000	0.636	3.20	3.12	3.54	5.563	111.3

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Dataset: U:\Q4.PRO\results\171229M2\171229M2-14.qld

Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

Name: 171229M2_14, Date: 29-Dec-2017, Time: 15:54:47, ID: ICV171229M2-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.18e4	1.56e4	1.0000	0.652	3.80	3.73	9.45	14.492	115.9
33	36	18O2-PFHxS	403.0 > 102.6	1.34e3	3.38e3	1.0000	0.321	3.95	3.88	4.95	15.442	123.5
34	37	13C2-6:2 FTS	429.1 > 408.9	3.58e3	1.44e4	1.0000	0.192	4.26	4.19	3.10	16.139	129.1
35	38	13C2-PFOA	414.9 > 369.7	1.55e4	1.44e4	1.0000	0.945	4.32	4.24	13.4	14.215	113.7
36	39	13C5-PFNA	468.2 > 422.9	1.39e4	1.26e4	1.0000	0.832	4.75	4.67	13.8	16.588	132.7
37	40	13C8-PFOSA	506.1 > 77.7	3.47e3	1.37e4	1.0000	0.204	4.81	4.74	3.15	15.470	123.8
38	41	13C8-PFOS	507.0 > 79.9	3.75e3	3.55e3	1.0000	0.948	4.83	4.76	13.2	13.934	111.5
39	42	13C2-PFDA	515.1 > 469.9	1.50e4	1.34e4	1.0000	0.986	5.11	5.04	13.9	14.119	112.9
40	43	13C2-8:2 FTS	529.1 > 508.7	2.41e3	1.56e4	1.0000	0.124	5.09	5.01	1.93	15.476	123.8
41	44	d3-N-MeFOSAA	573.3 > 419	5.75e3	1.37e4	1.0000	0.391	5.26	5.19	5.23	13.377	107.0
42	45	d5-N-EtFOSAA	589.3 > 419	7.14e3	1.37e4	1.0000	0.451	5.42	5.34	6.49	14.381	115.0
43	46	13C2-PFUdA	565 > 519.8	1.68e4	1.37e4	1.0000	0.900	5.43	5.36	15.3	16.966	135.7
44	47	13C2-PFDoA	615.0 > 569.7	1.22e4	1.37e4	1.0000	0.617	5.70	5.64	11.1	18.058	144.5
45	48	d3-N-MeFOSA	515.2 > 168.9	1.85e4	1.37e4	1.0000	0.097	5.80	5.81	16.8	172.209	114.8
46	49	13C2-PFTeDA	714.8 > 669.6	4.47e3	1.37e4	1.0000	0.196	6.16	6.11	4.07	20.760	166.1
47	50	d5-N-ETFOSA	531.1 > 168.9	2.71e4	1.37e4	1.0000	0.147	6.16	6.19	24.6	167.987	112.0
48	51	13C2-PFHxDA	815 > 769.7	3.00e3	1.37e4	1.0000	0.435	6.48	6.44	2.73	6.269	125.4
49	52	d7-N-MeFOSE	623.1 > 58.9	2.36e4	1.37e4	1.0000	0.108	6.30	6.31	21.5	198.590	132.4
50	53	d9-N-EtFOSE	639.2 > 58.8	2.02e4	1.37e4	1.0000	0.116	6.42	6.45	18.4	158.938	106.0
51	54	13C4-PFBA	217. > 171.8	1.24e4	1.24e4	1.0000	1.000	1.47	1.41	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.56e4	1.56e4	1.0000	1.000	3.20	3.12	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	3.38e3	3.38e3	1.0000	1.000	3.95	3.88	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.44e4	1.44e4	1.0000	1.000	4.32	4.24	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.26e4	1.26e4	1.0000	1.000	4.75	4.67	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	3.55e3	3.55e3	1.0000	1.000	4.83	4.75	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	1.34e4	1.34e4	1.0000	1.000	5.11	5.04	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.37e4	1.37e4	1.0000	1.000	5.43	5.37	12.5	12.500	100.0

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Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

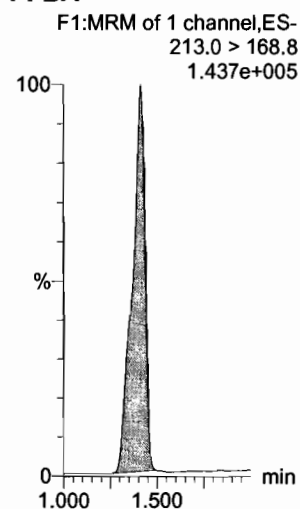
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 29 Dec 2017 15:16:53

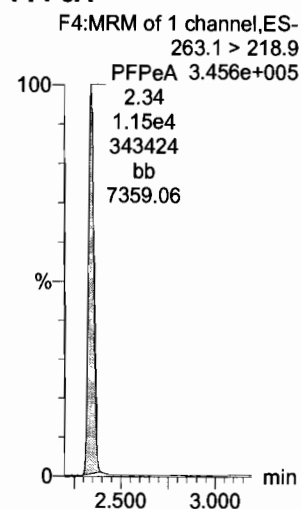
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171229M2_14, Date: 29-Dec-2017, Time: 15:54:47, ID: ICV171229M2-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

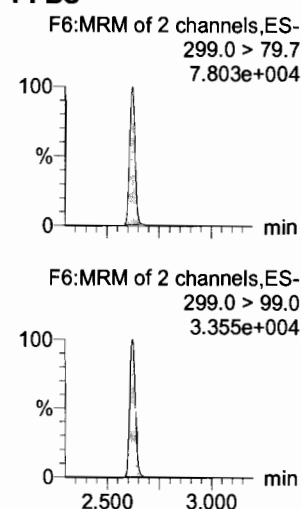
PFBA



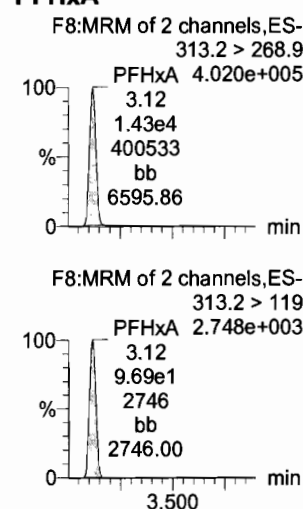
PFPeA



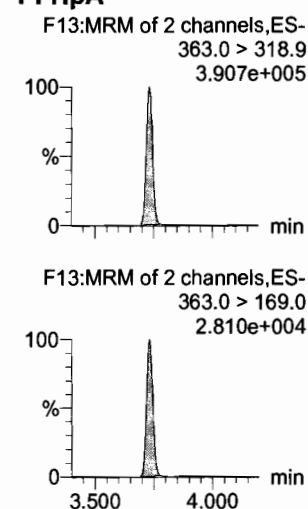
PFBS



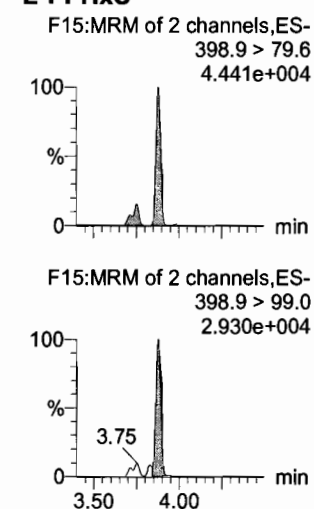
PFHxA



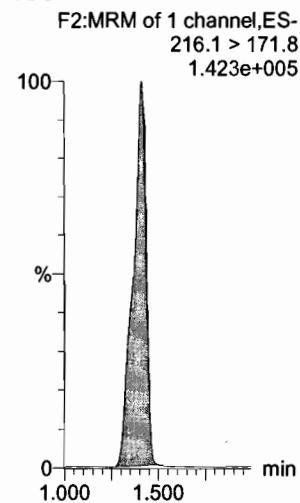
PFHpA



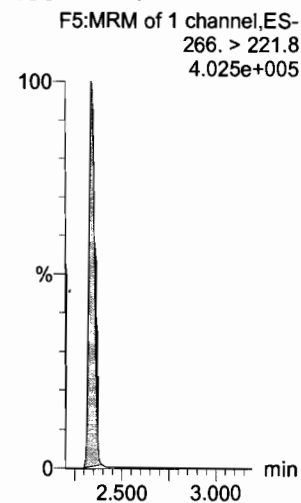
L-PFHxS



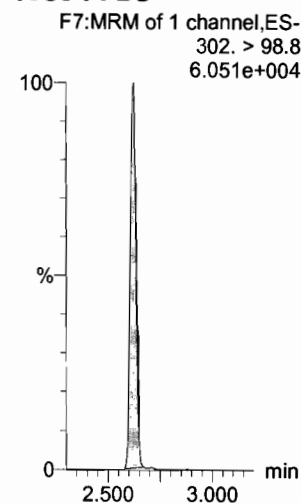
13C3-PFBA



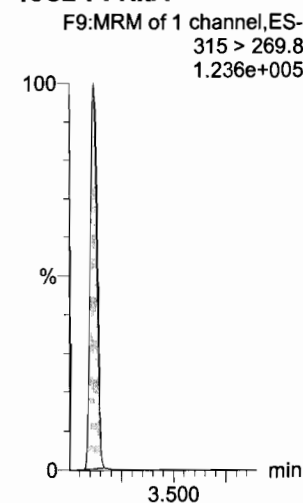
13C3-PFPeA



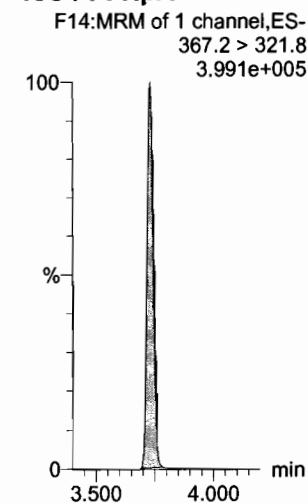
13C3-PFBS



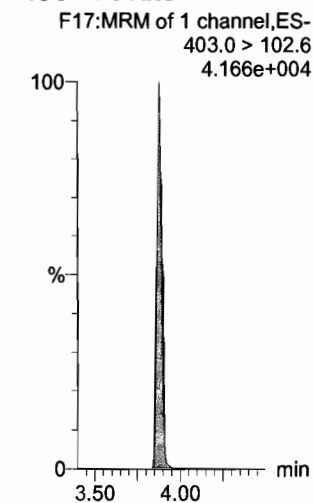
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171229M2\171229M2-14.qld

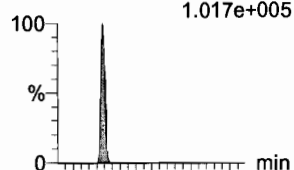
Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

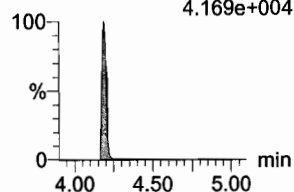
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.017e+005

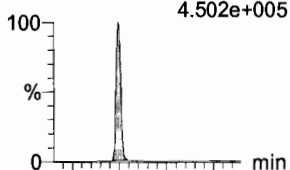


F21:MRM of 2 channels,ES-
427.1 > 80
4.169e+004

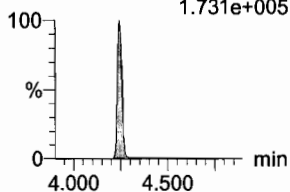


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
4.502e+005

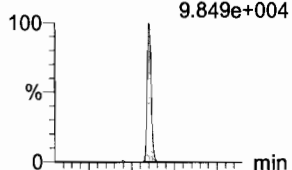


F18:MRM of 2 channels,ES-
413 > 169
1.731e+005

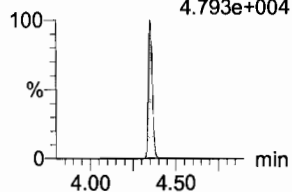


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
9.849e+004

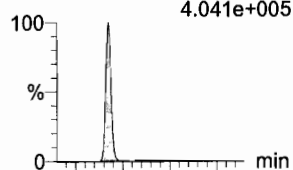


F23:MRM of 2 channels,ES-
449 > 98.7
4.793e+004

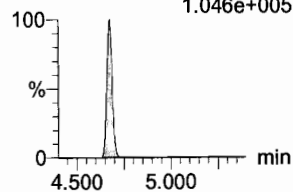


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.041e+005

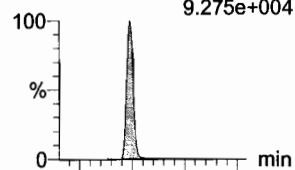


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.046e+005

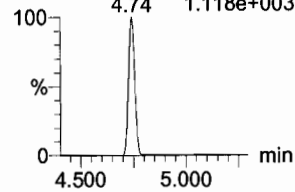


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
9.275e+004

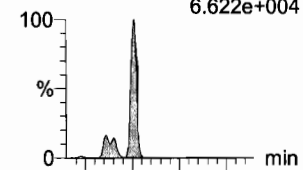


F27:MRM of 2 channels,ES-
498.1 > 478
1.118e+003

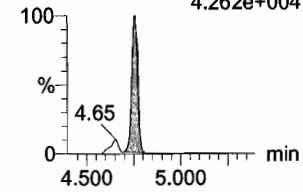


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
6.622e+004

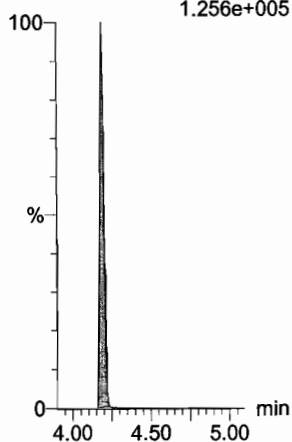


F29:MRM of 2 channels,ES-
499 > 99
4.262e+004



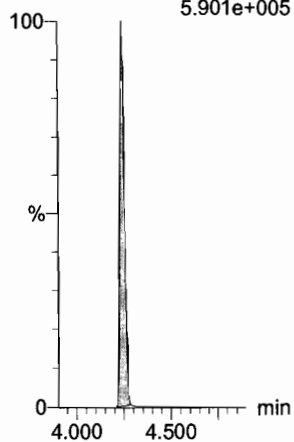
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.256e+005



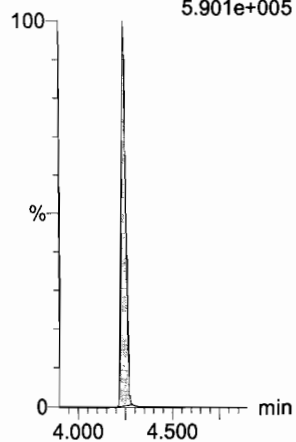
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.901e+005



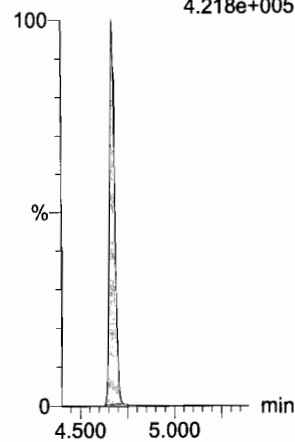
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.901e+005



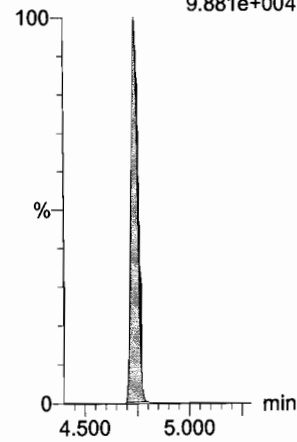
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.218e+005



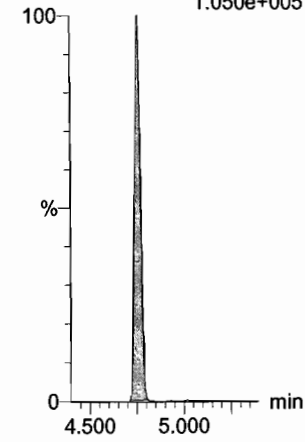
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
9.881e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.050e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-14.qld

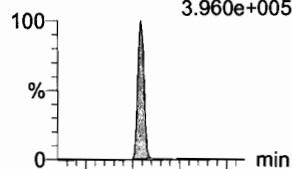
Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

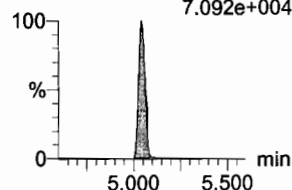
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
3.960e+005

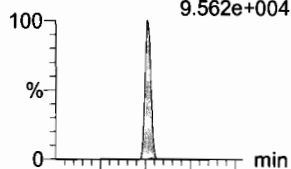


F34:MRM of 2 channels,ES-
513 > 219
7.092e+004

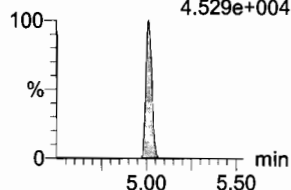


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
9.562e+004

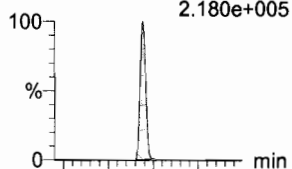


F39:MRM of 2 channels,ES-
527 > 80
4.529e+004

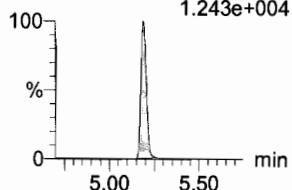


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.180e+005

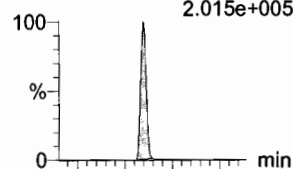


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.243e+004

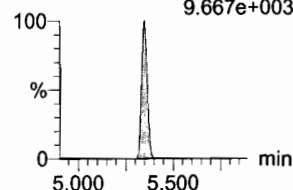


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.015e+005

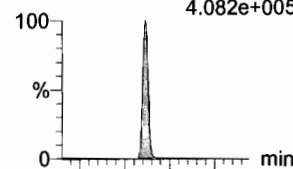


F47:MRM of 2 channels,ES-
584.2 > 483.0
9.667e+003

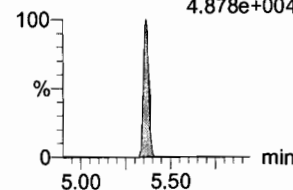


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
4.082e+005

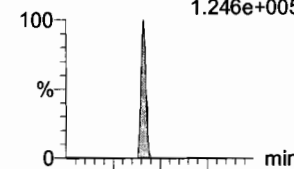


F42:MRM of 2 channels,ES-
563.0 > 269
4.878e+004

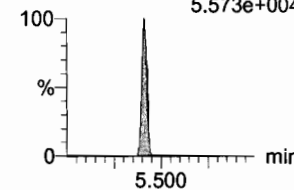


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.246e+005

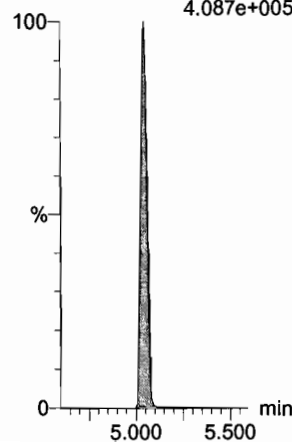


F49:MRM of 2 channels,ES-
598.8 > 98.7
5.573e+004



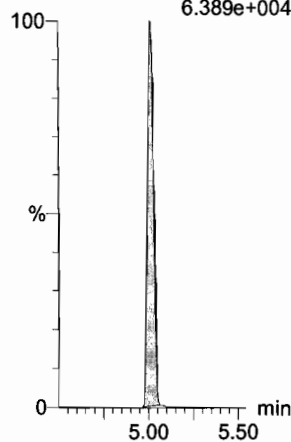
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
4.087e+005



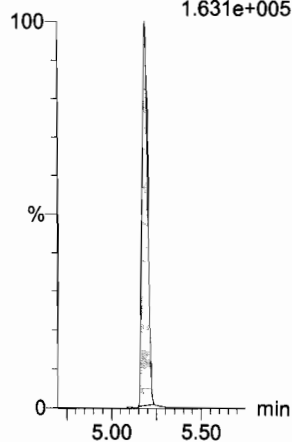
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.389e+004



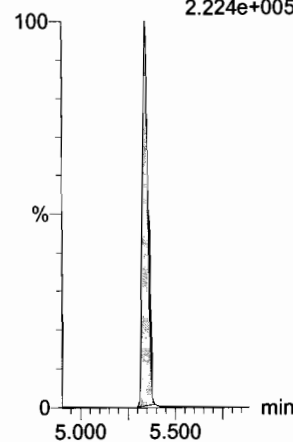
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.631e+005



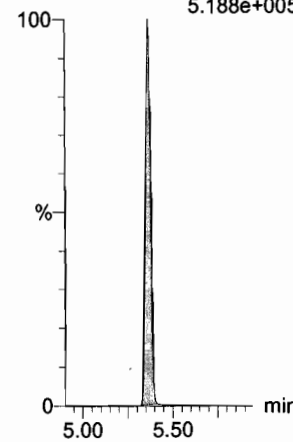
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.224e+005



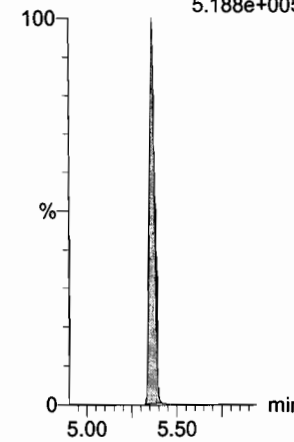
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.188e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.188e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-14.qld

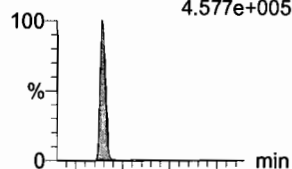
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Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

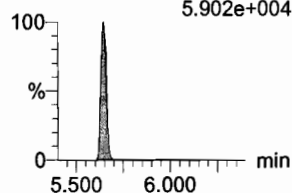
Name: 171229M2_14, Date: 29-Dec-2017, Time: 15:54:47, ID: ICV171229M2-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

PFD_oA

F50:MRM of 2 channels,ES-
612.9 > 569.0
4.577e+005

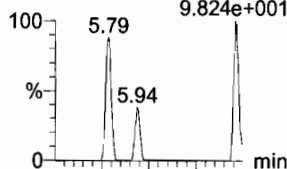


F50:MRM of 2 channels,ES-
612.9 > 318.8
5.902e+004

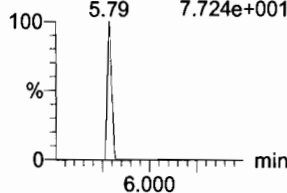


N-MeFOSA

F33:MRM of 2 channels,ES-
512.1 > 168.9
9.824e+001

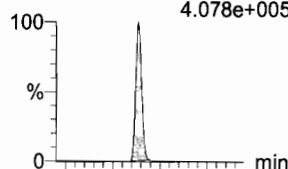


F33:MRM of 2 channels,ES-
512.1 > 219
7.724e+001

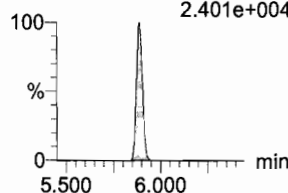


PFT_rDA

F56:MRM of 2 channels,ES-
662.9 > 618.9
4.078e+005

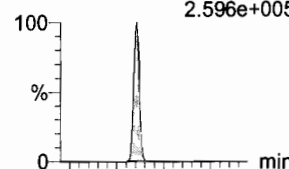


F56:MRM of 2 channels,ES-
662.9 > 319
2.401e+004

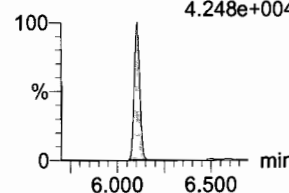


PFT_eDA

F57:MRM of 2 channels,ES-
712.9 > 668.8
2.596e+005

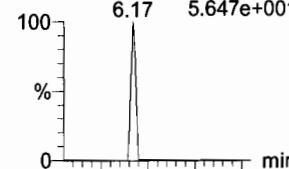


F57:MRM of 2 channels,ES-
712.9 > 369
4.248e+004

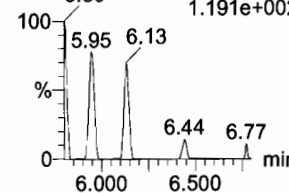


N-EtFOSA

F38:MRM of 2 channels,ES-
526.1 > 168.9
5.647e+001

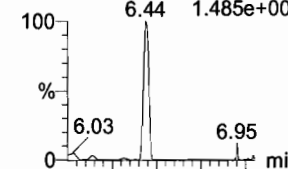


F38:MRM of 2 channels,ES-
526.1 > 219
1.191e+002

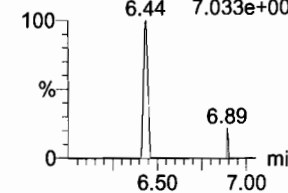


PFH_xDA

F59:MRM of 2 channels,ES-
813.1 > 768.6
1.485e+003

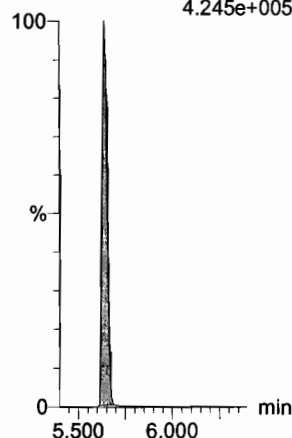


F59:MRM of 2 channels,ES-
813.1 > 219
7.033e+001



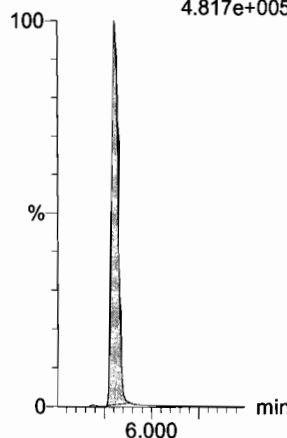
¹³C2-PFD_oA

F51:MRM of 1 channel,ES-
615.0 > 569.7
4.245e+005



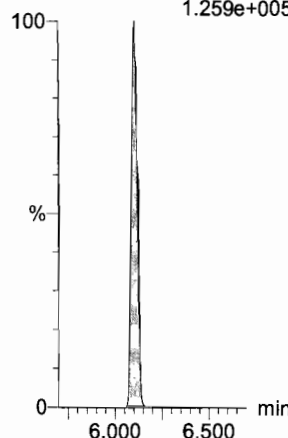
d3-N-MeFOSA

F36:MRM of 1 channel,ES-
515.2 > 168.9
4.817e+005



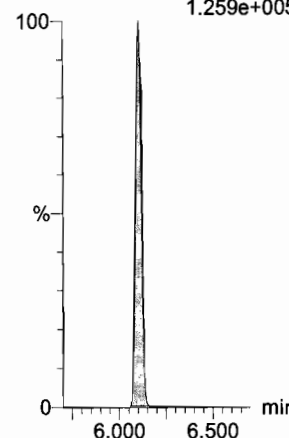
¹³C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.259e+005



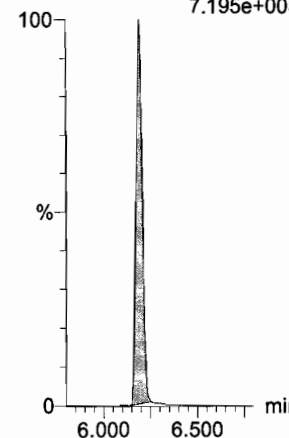
¹³C2-PFT_eDA

F58:MRM of 2 channels,ES-
714.8 > 669.6
1.259e+005



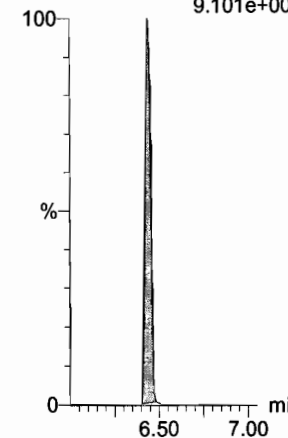
d5-N-ETFOSA

F41:MRM of 1 channel,ES-
531.1 > 168.9
7.195e+005



¹³C2-PFH_xDA

F60:MRM of 1 channel,ES-
815 > 769.7
9.101e+004



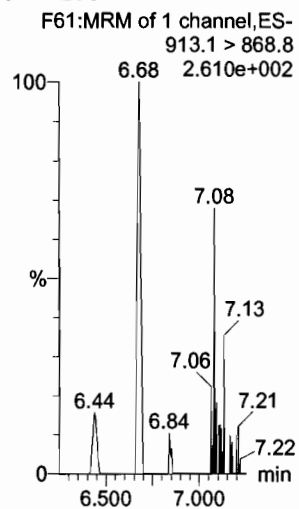
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Last Altered: Friday, December 29, 2017 16:10:03 Pacific Standard Time

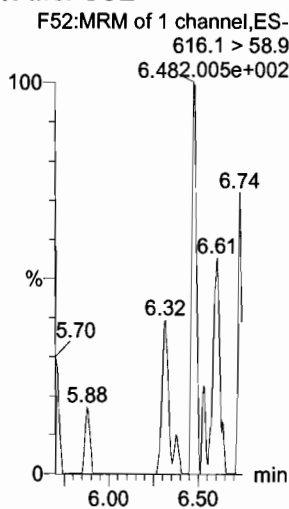
Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

Name: 171229M2_14, Date: 29-Dec-2017, Time: 15:54:47, ID: ICV171229M2-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

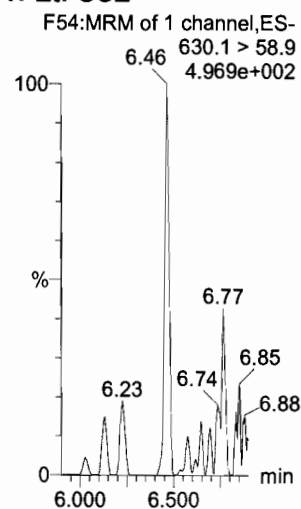
PFODA



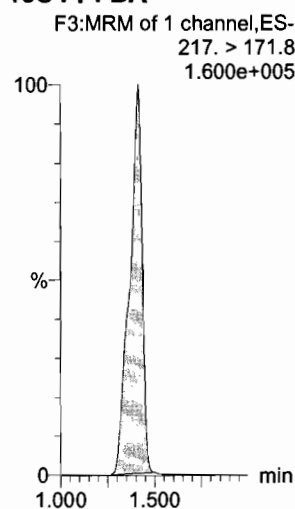
N-MeFOSE



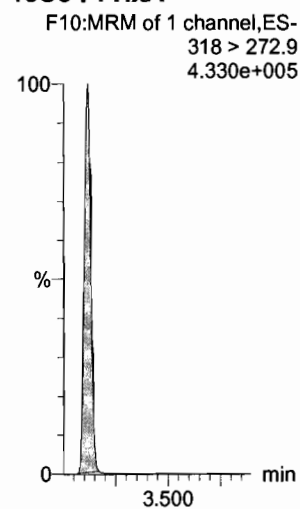
N-EtFOSE



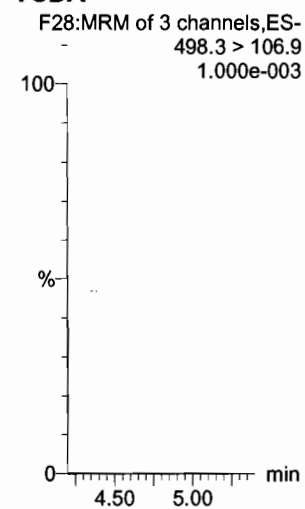
13C4-PFBA



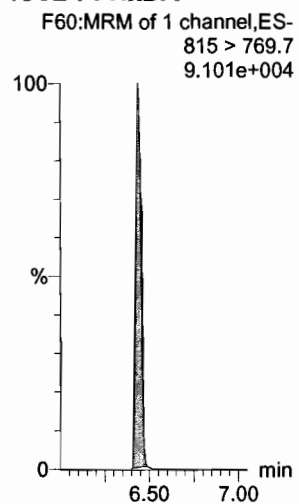
13C5-PFHxA



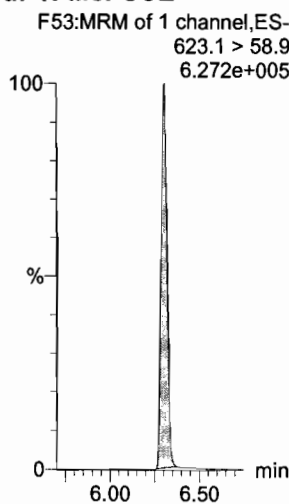
TCDA



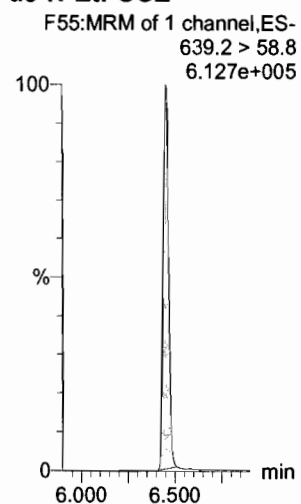
13C2-PFHxDA



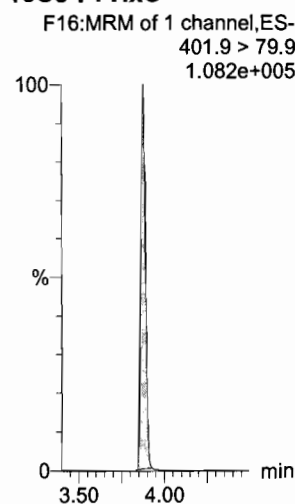
d7-N-MeFOSE



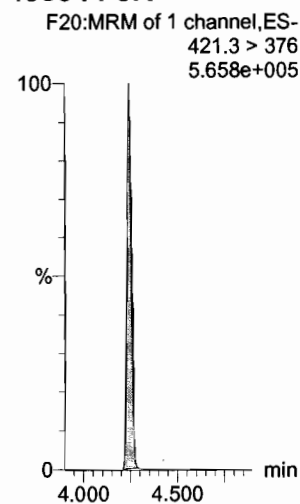
d9-N-EtFOSE



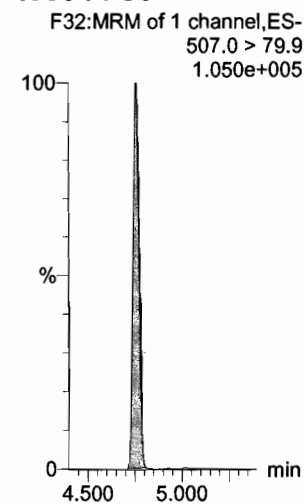
13C3-PFHxS



13C8-PFOA



13C8-PFOS



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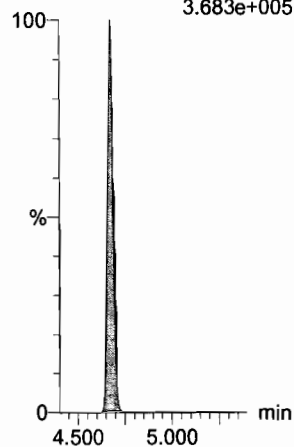
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Printed: Friday, December 29, 2017 16:10:34 Pacific Standard Time

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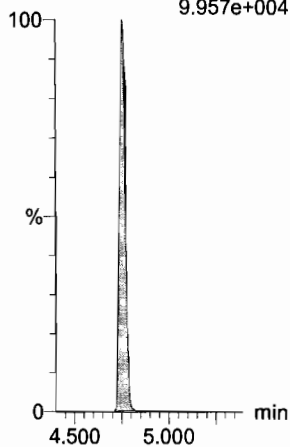
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.683e+005



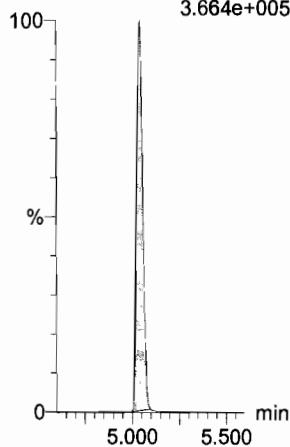
13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
9.957e+004



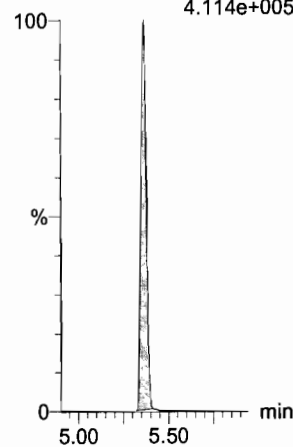
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.664e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.114e+005



Dataset: U:\Q4.PRO\results\171229M2\171229M2-12.qld

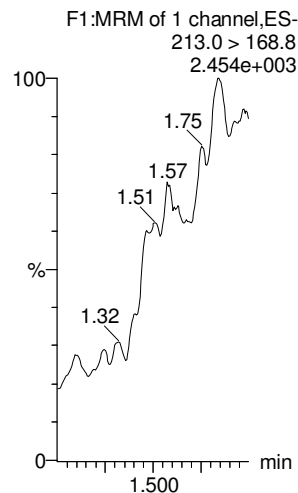
Last Altered: Saturday, December 30, 2017 10:26:21 Pacific Standard Time

Printed: Saturday, December 30, 2017 10:27:32 Pacific Standard Time

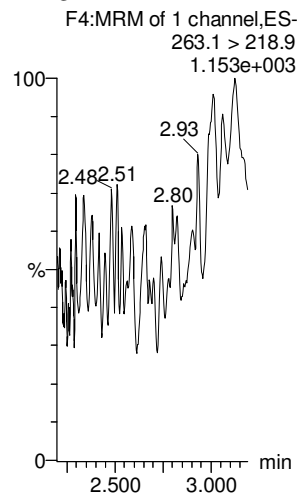
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-29-17_FULL.cdb 29 Dec 2017 16:04:07

Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA

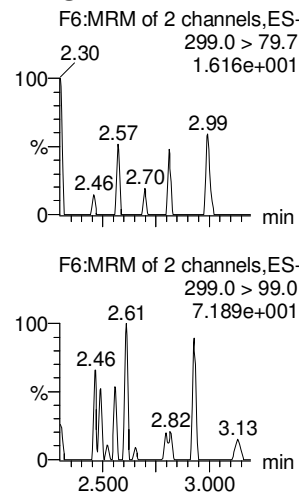
PFBA



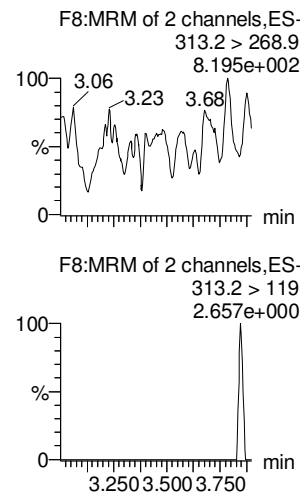
PFPeA



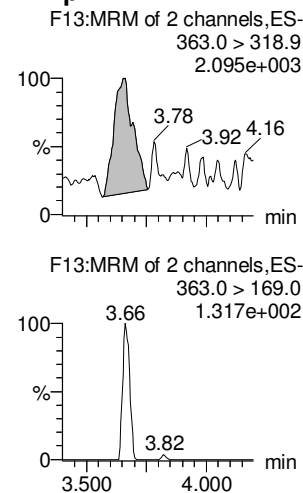
PFBS



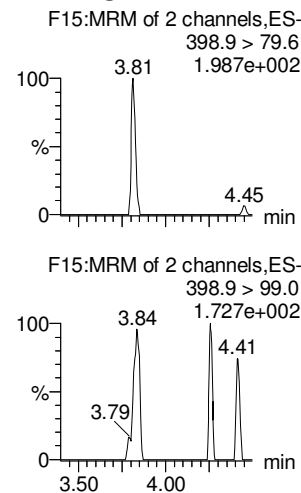
PFHxA



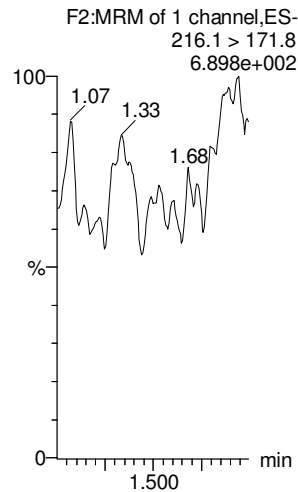
PFHpA



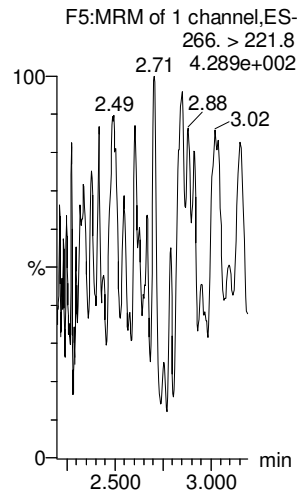
L-PFHxS



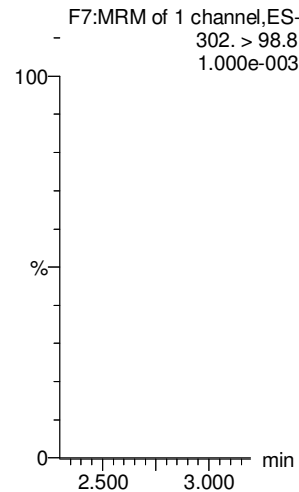
13C3-PFBA



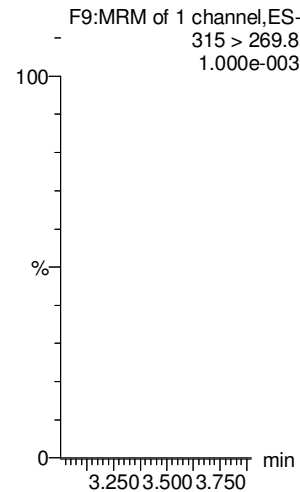
13C3-PFPeA



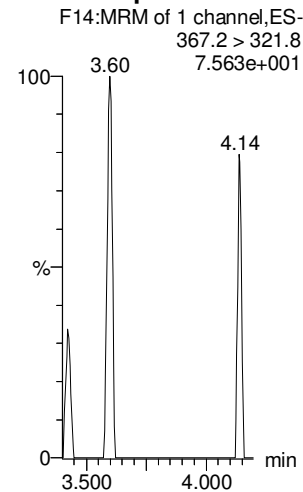
13C3-PFBS



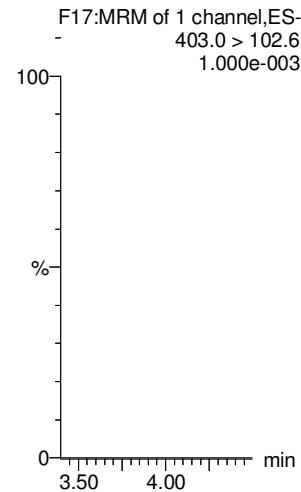
13C2-PFHxA



13C4-PFHpA



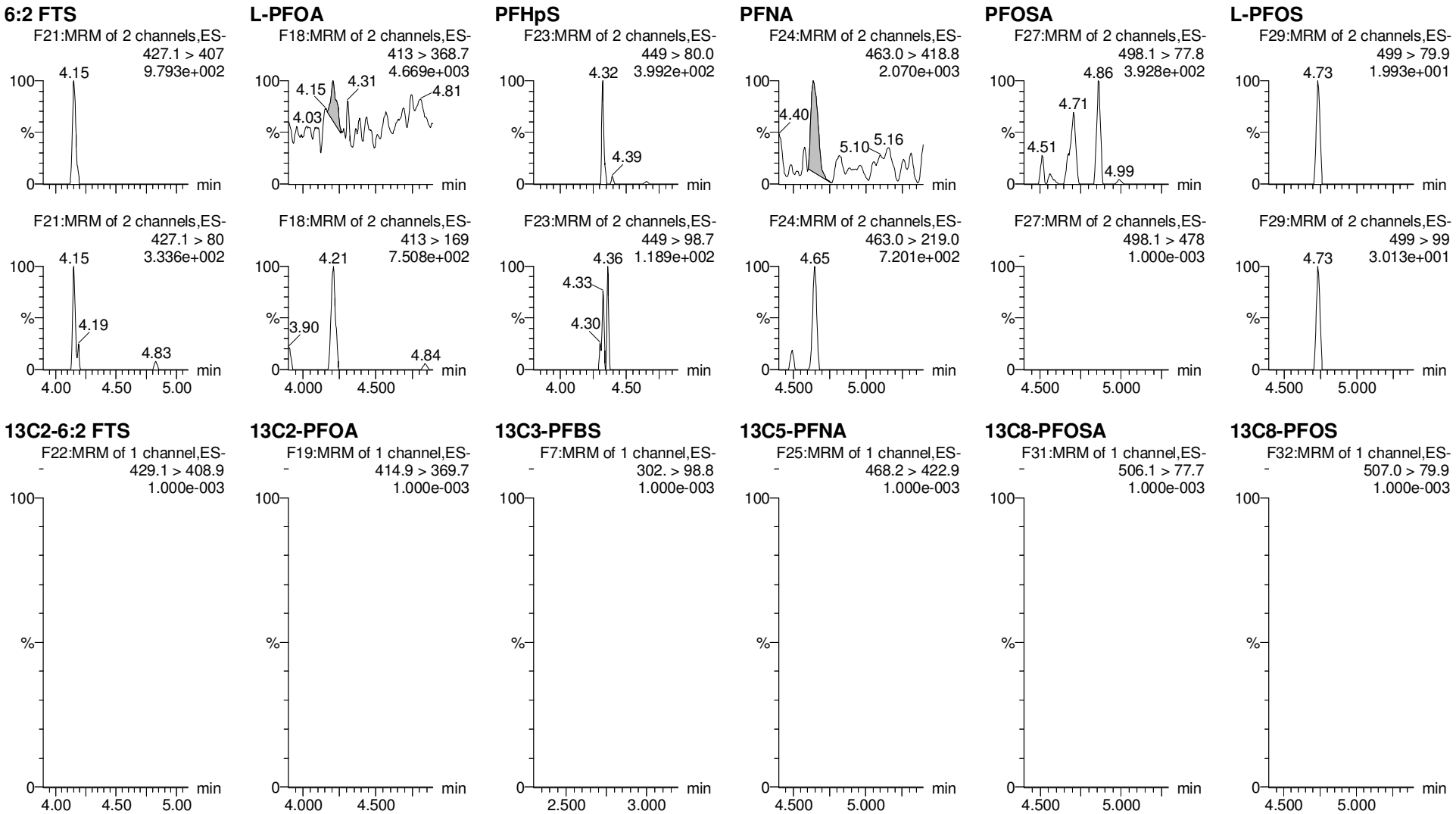
18O2-PFHxS



Dataset: U:\Q4.PRO\results\171229M2\171229M2-12.qld

Last Altered: Saturday, December 30, 2017 10:26:21 Pacific Standard Time
Printed: Saturday, December 30, 2017 10:27:32 Pacific Standard Time

Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA

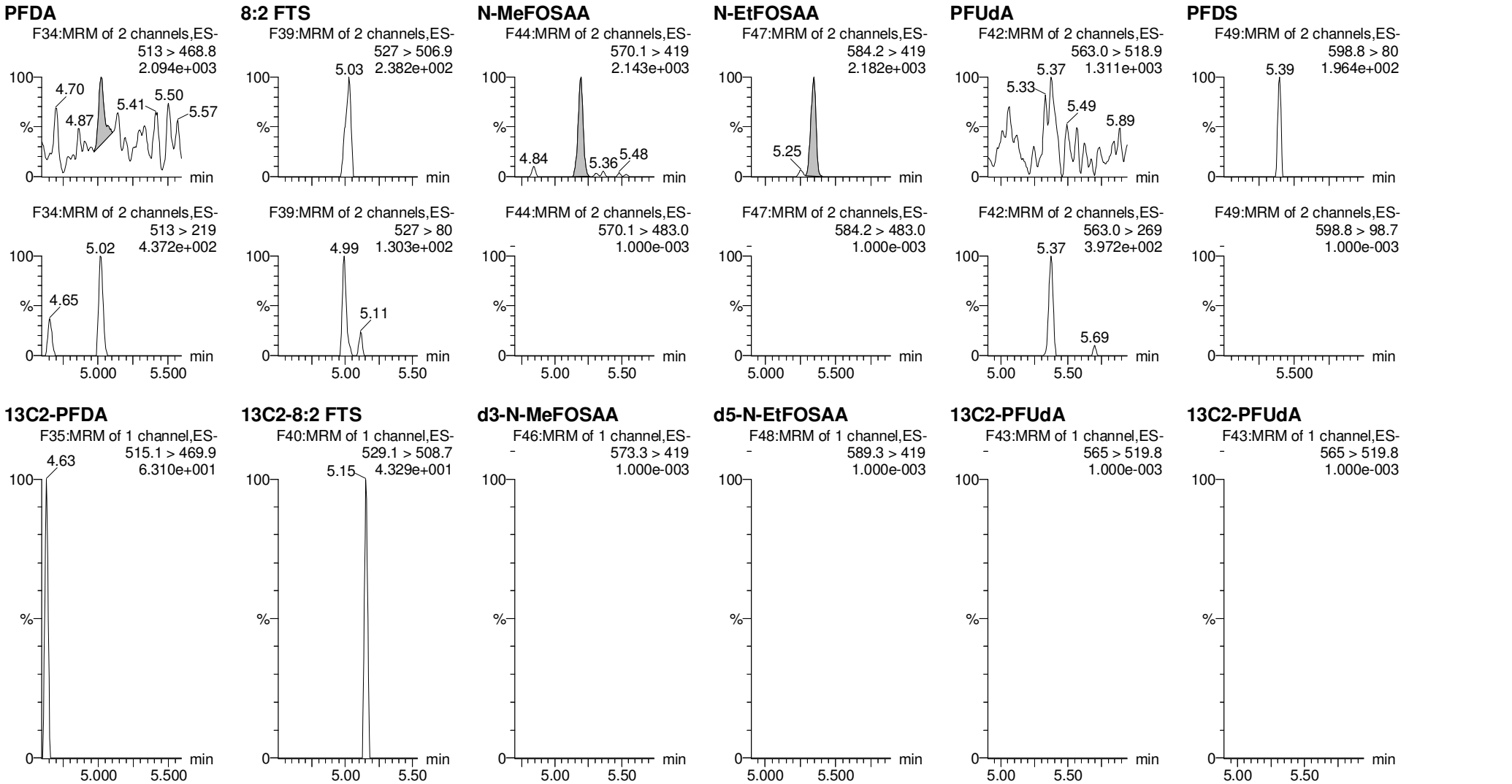


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171229M2\171229M2-12.qld

Last Altered: Saturday, December 30, 2017 10:26:21 Pacific Standard Time
Printed: Saturday, December 30, 2017 10:27:32 Pacific Standard Time

Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA



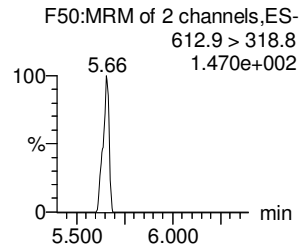
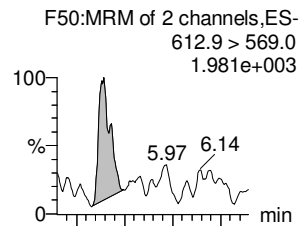
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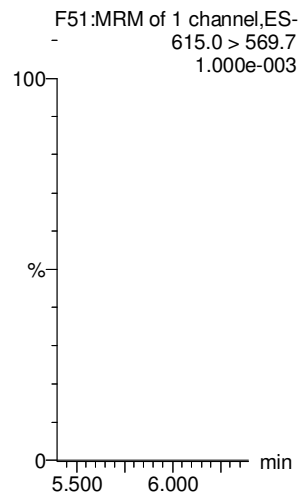
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Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA

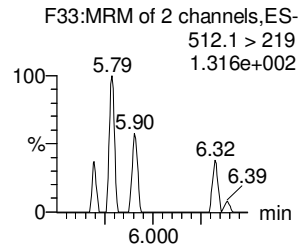
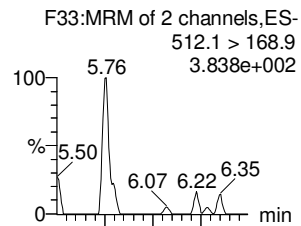
PFD_oA



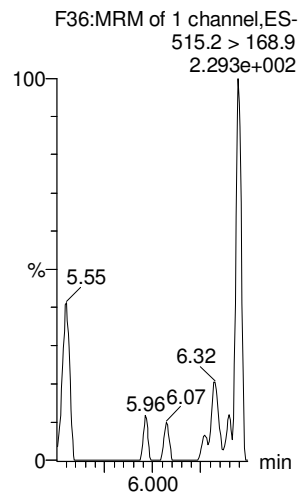
13C2-PFD_oA



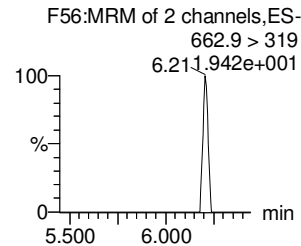
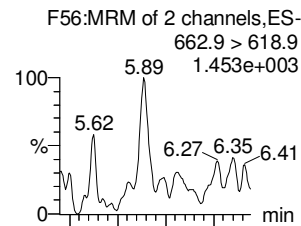
N-MeFOSA



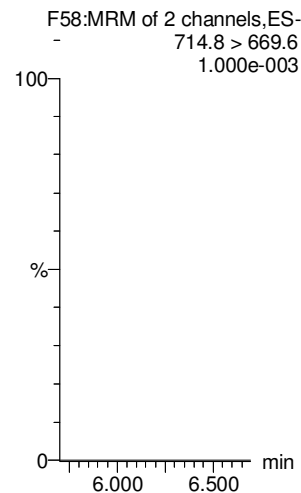
d3-N-MeFOSA



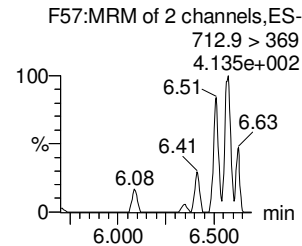
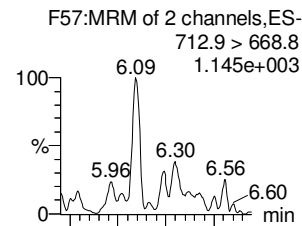
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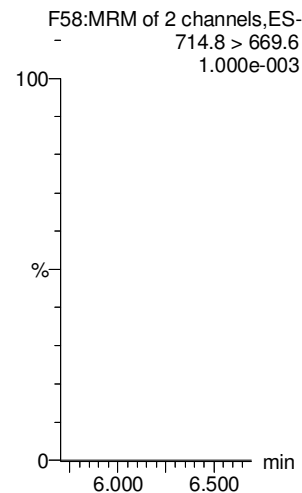
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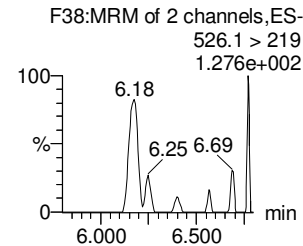
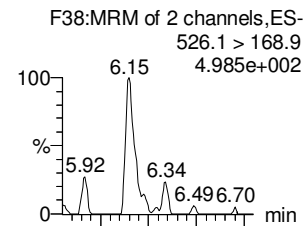
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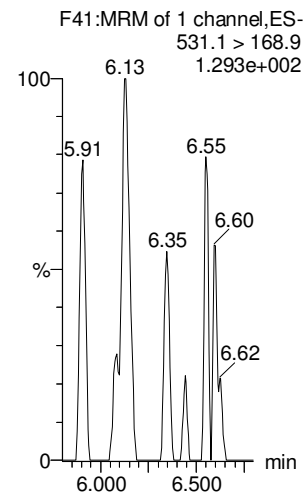
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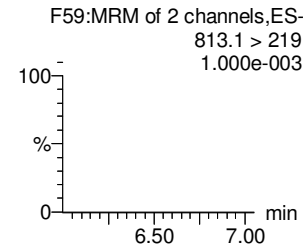
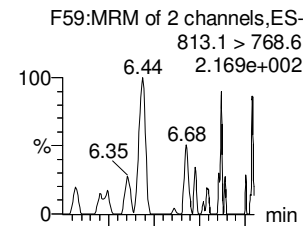
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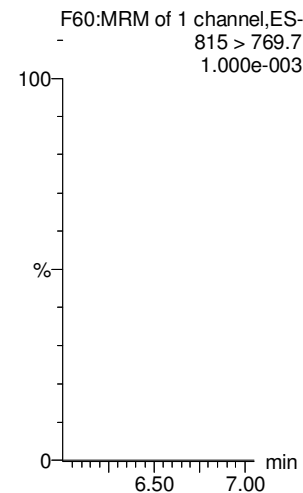
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PFH_xDA



13C2-PFH_xDA

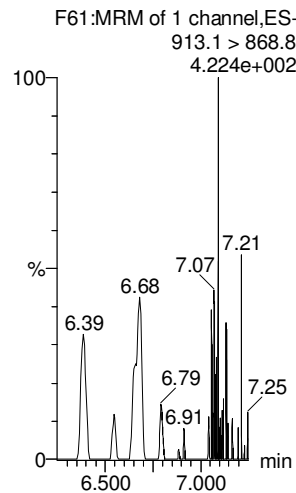


Dataset: U:\Q4.PRO\results\171229M2\171229M2-12.qld

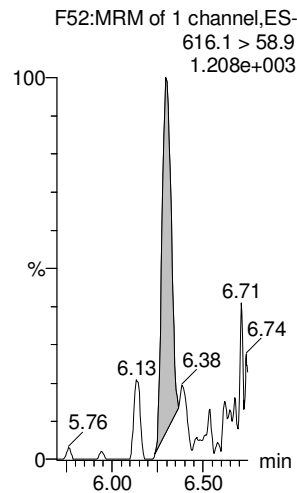
Last Altered: Saturday, December 30, 2017 10:26:21 Pacific Standard Time
Printed: Saturday, December 30, 2017 10:27:32 Pacific Standard Time

Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA

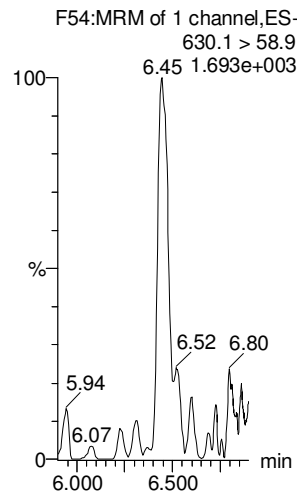
PFODA



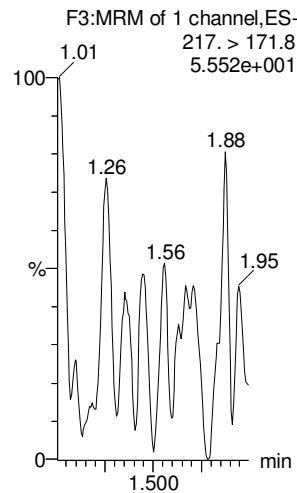
N-MeFOSE



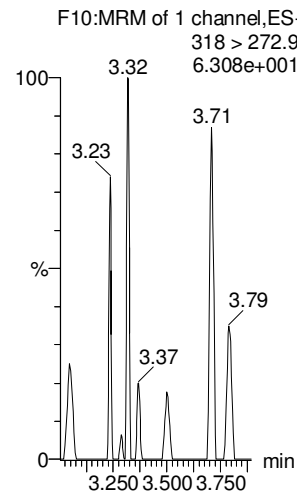
N-EtFOSE



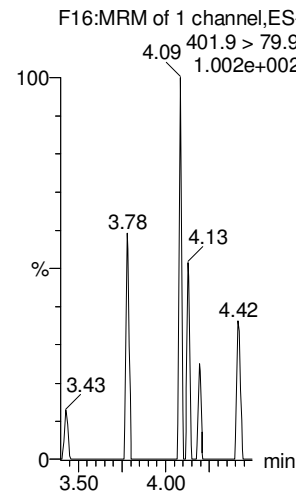
13C4-PFBA



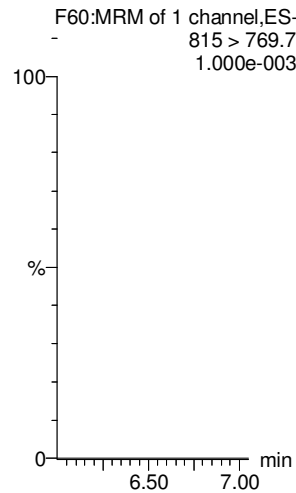
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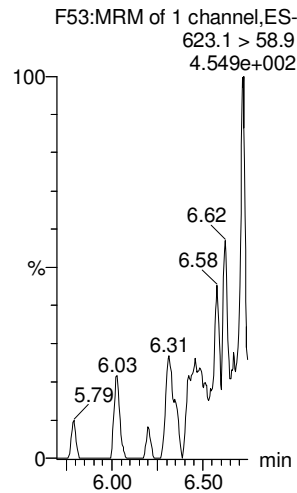
13C3-PFHxS



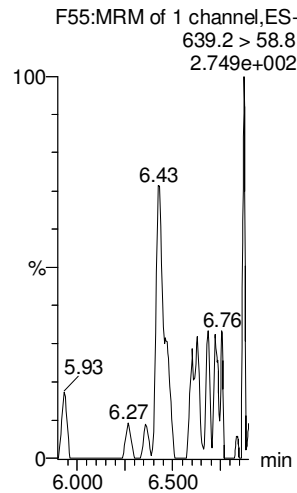
13C2-PFHxDA



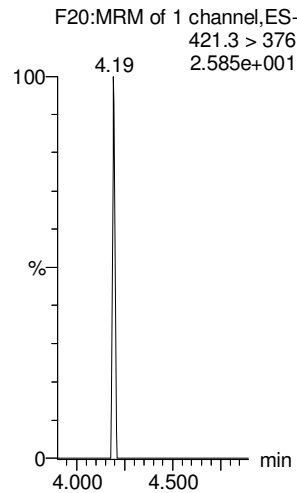
d7-N-MeFOSE



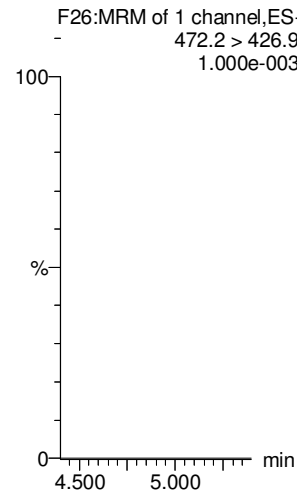
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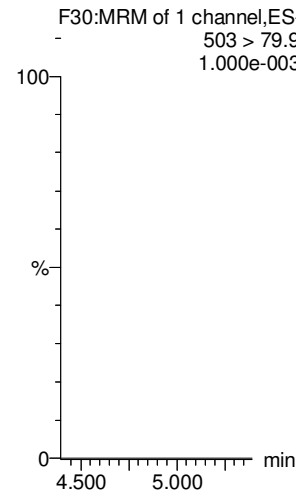
13C8-PFOA



13C9-PFNA



13C4-PFOS

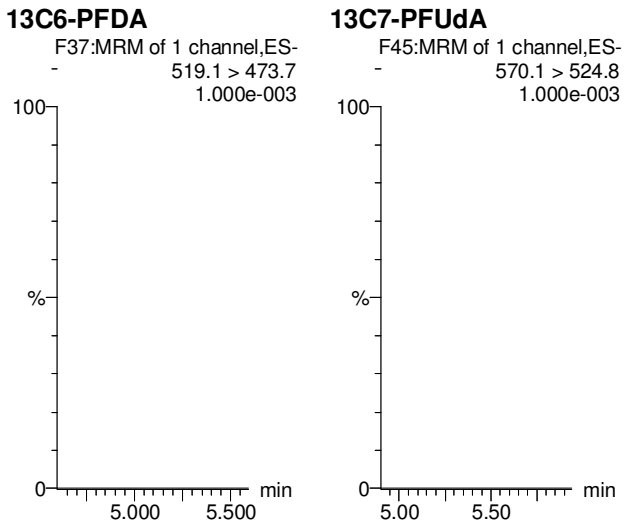


Dataset: U:\Q4.PRO\results\171229M2\171229M2-12.qld

Last Altered: Saturday, December 30, 2017 10:26:21 Pacific Standard Time

Printed: Saturday, December 30, 2017 10:27:32 Pacific Standard Time

Name: 171229M2_12, Date: 29-Dec-2017, Time: 15:23:31, ID: IPA, Description: IPA



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:46:37 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:48:35 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Compound name: PFBA

Correlation coefficient: $r = 0.999916$, $r^2 = 0.999832$

Calibration curve: $1.40326 * x + -0.0463085$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

AC
12/31/17
rHA
12/31/2017

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	1.40	275.997	10590.634	0.326	0.3	6.1	NO	1.000	NO	bb
2	2 171230M3_3	Standard	0.500	1.40	549.379	10700.368	0.642	0.5	-1.9	NO	1.000	NO	bb
3	3 171230M3_4	Standard	1.000	1.40	1058.451	10778.936	1.227	0.9	-9.2	NO	1.000	NO	bb
4	4 171230M3_5	Standard	2.000	1.41	2291.203	11055.444	2.591	1.9	-6.0	NO	1.000	NO	bb
5	5 171230M3_6	Standard	5.000	1.41	5613.746	10223.187	6.864	4.9	-1.5	NO	1.000	NO	bb
6	6 171230M3_7	Standard	10.000	1.41	12225.308	10998.330	13.895	9.9	-0.7	NO	1.000	NO	bb
7	7 171230M3_8	Standard	50.000	1.41	58865.125	10544.371	69.783	49.8	-0.5	NO	1.000	NO	bb
8	8 171230M3_9	Standard	100.000	1.41	120380.750	10664.267	141.103	100.6	0.6	NO	1.000	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.999838$, $r^2 = 0.999676$

Calibration curve: $1.25863 * x + -0.0561556$

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	1 171230M3_2	Standard	0.250	2.36	313.461	12830.407	0.305	0.3	14.9	NO	1.000	NO	bb
2	2 171230M3_3	Standard	0.500	2.36	585.697	12739.582	0.575	0.5	0.2	NO	1.000	NO	bb
3	3 171230M3_4	Standard	1.000	2.36	1218.109	12601.388	1.208	1.0	0.5	NO	1.000	NO	bb
4	4 171230M3_5	Standard	2.000	2.37	2386.153	13559.735	2.200	1.8	-10.4	NO	1.000	NO	bb
5	5 171230M3_6	Standard	5.000	2.37	6043.357	12517.433	6.035	4.8	-3.2	NO	1.000	NO	bb
6	6 171230M3_7	Standard	10.000	2.37	13297.950	13543.172	12.274	9.8	-2.0	NO	1.000	NO	bb
7	7 171230M3_8	Standard	50.000	2.36	63378.121	12727.579	62.245	49.5	-1.0	NO	1.000	NO	bb
8	8 171230M3_9	Standard	100.000	2.36	131357.063	12918.356	127.103	101.0	1.0	NO	1.000	NO	bb

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Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

Compound name: PFBSCorrelation coefficient: $r = 0.999434$, $r^2 = 0.998868$ Calibration curve: $2.22069 * x + -0.183022$

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	1 171230M3_2	Standard	0.250	2.63	68.355	1730.699	0.494	0.3	21.9	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	2.64	131.600	1855.926	0.886	0.5	-3.7	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	2.64	273.834	1744.564	1.962	1.0	-3.4	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	2.64	563.062	1773.955	3.968	1.9	-6.5	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	2.64	1357.268	1643.731	10.322	4.7	-5.4	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	2.64	3114.063	1792.845	21.712	9.9	-1.4	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	2.64	14100.912	1656.078	106.433	48.0	-4.0	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	2.64	29395.707	1615.137	227.502	102.5	2.5	NO	0.999	NO	bb

Compound name: PFHxACorrelation coefficient: $r = 0.999700$, $r^2 = 0.999400$ Calibration curve: $1.95668 * x + -0.0594756$

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	1 171230M3_2	Standard	0.250	3.13	404.181	4345.656	0.465	0.3	7.2	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	3.13	755.698	4117.409	0.918	0.5	-0.1	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	3.13	1558.861	4098.995	1.902	1.0	0.2	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	3.13	3196.715	4464.987	3.580	1.9	-7.0	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	3.13	7510.283	3678.770	10.208	5.2	4.9	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	3.13	16818.920	4631.413	18.157	9.3	-6.9	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	3.13	77264.398	3868.221	99.871	51.1	2.1	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	3.13	155495.484	3994.966	194.614	99.5	-0.5	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

Compound name: PFHpA

Correlation coefficient: $r = 0.999344$, $r^2 = 0.998689$

Calibration curve: $1.53884 * x + -0.0806046$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171230M3_2	Standard	0.250	3.74	324.098	10628.602	0.381	0.3	20.0	NO	0.999	NO	bb
2	2	171230M3_3	Standard	0.500	3.74	623.692	10972.185	0.711	0.5	2.8	NO	0.999	NO	bb
3	3	171230M3_4	Standard	1.000	3.74	1131.954	10844.437	1.305	0.9	-10.0	NO	0.999	NO	bb
4	4	171230M3_5	Standard	2.000	3.75	2416.023	9994.996	3.022	2.0	0.8	NO	0.999	NO	bb
5	5	171230M3_6	Standard	5.000	3.75	6170.000	10840.354	7.115	4.7	-6.5	NO	0.999	NO	bb
6	6	171230M3_7	Standard	10.000	3.75	12471.019	11361.731	13.720	9.0	-10.3	NO	0.999	NO	bb
7	7	171230M3_8	Standard	50.000	3.74	66771.766	10491.151	79.557	51.8	3.5	NO	0.999	NO	bb
8	8	171230M3_9	Standard	100.000	3.74	120224.938	9807.888	153.225	99.6	-0.4	NO	0.999	NO	bb

Compound name: L-PFHxS

Correlation coefficient: $r = 0.999556$, $r^2 = 0.999113$

Calibration curve: $2.07297 * x + -0.115432$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171230M3_2	Standard	0.250	3.88	47.887	1363.239	0.439	0.3	7.0	NO	0.999	NO	MM
2	2	171230M3_3	Standard	0.500	3.89	102.524	1442.194	0.889	0.5	-3.1	NO	0.999	NO	MM
3	3	171230M3_4	Standard	1.000	3.89	190.595	1307.153	1.823	0.9	-6.5	NO	0.999	NO	MM
4	4	171230M3_5	Standard	2.000	3.89	453.045	1348.822	4.199	2.1	4.1	NO	0.999	NO	MM
5	5	171230M3_6	Standard	5.000	3.89	963.724	1296.596	9.291	4.5	-9.2	NO	0.999	NO	MM
6	6	171230M3_7	Standard	10.000	3.89	2111.817	1174.549	22.475	10.9	9.0	NO	0.999	NO	MM
7	7	171230M3_8	Standard	50.000	3.89	10954.550	1341.063	102.107	49.3	-1.4	NO	0.999	NO	MM
8	8	171230M3_9	Standard	100.000	3.89	20557.797	1237.411	207.669	100.2	0.2	NO	0.999	NO	MM

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.997647$

Calibration curve: $-0.000403433 * x^2 + 0.31611 * x + -0.016104$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	4.20	83.922	15722.004	0.067	0.3	4.8	NO	0.998	NO	bb
2	2 171230M3_3	Standard	0.500	4.20	226.057	14936.890	0.189	0.6	30.0	NO	0.998	NO	bb
3	3 171230M3_4	Standard	1.000	4.20	310.754	15544.537	0.250	0.8	-15.8	NO	0.998	NO	bb
4	4 171230M3_5	Standard	2.000	4.21	664.325	16356.577	0.508	1.7	-17.0	NO	0.998	NO	bb
5	5 171230M3_6	Standard	5.000	4.21	2019.823	15570.807	1.621	5.2	4.3	NO	0.998	NO	bb
6	6 171230M3_7	Standard	10.000	4.21	3546.097	15790.786	2.807	9.0	-9.6	NO	0.998	NO	bb
7	7 171230M3_8	Standard	50.000	4.20	19513.193	15843.892	15.395	52.2	4.5	NO	0.998	NO	bb
8	8 171230M3_9	Standard	100.000	4.20	33101.109	15165.988	27.282	98.8	-1.2	NO	0.998	NO	bb

Compound name: L-PFOA

Correlation coefficient: $r = 0.997521$, $r^2 = 0.995048$

Calibration curve: $1.09349 * x + 0.337952$

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 171230M3_2	Standard	0.250	4.25	721.795	15722.004	0.574	0.2	-13.7	NO	0.995	NO	bb
2	2 171230M3_3	Standard	0.500	4.26	1001.076	14936.890	0.838	0.5	-8.6	NO	0.995	NO	bb
3	3 171230M3_4	Standard	1.000	4.26	1747.621	15544.537	1.405	1.0	-2.4	NO	0.995	NO	bb
4	4 171230M3_5	Standard	2.000	4.26	3141.246	16356.577	2.401	1.9	-5.7	NO	0.995	NO	bb
5	5 171230M3_6	Standard	5.000	4.26	7712.174	15570.807	6.191	5.4	7.1	NO	0.995	NO	bb
6	6 171230M3_7	Standard	10.000	4.26	17745.244	15790.786	14.047	12.5	25.4	NO	0.995	NO	bb
7	7 171230M3_8	Standard	50.000	4.26	70571.055	15843.892	55.677	50.6	1.2	NO	0.995	NO	bb
8	8 171230M3_9	Standard	100.000	4.25	128726.258	15165.988	106.098	96.7	-3.3	NO	0.995	NO	bb

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Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.997563$

Calibration curve: $5.37943e-006 * x^2 + 0.266569 * x + -0.00415487$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	4.36	70.269	15722.004	0.056	0.2	-9.9	NO	0.998	NO	bb
2	2 171230M3_3	Standard	0.500	4.36	155.368	14936.890	0.130	0.5	0.7	NO	0.998	NO	bb
3	3 171230M3_4	Standard	1.000	4.36	327.150	15544.537	0.263	1.0	0.2	NO	0.998	NO	bb
4	4 171230M3_5	Standard	2.000	4.37	661.404	16356.577	0.505	1.9	-4.4	NO	0.998	NO	bb
5	5 171230M3_6	Standard	5.000	4.37	1702.867	15570.807	1.367	5.1	2.9	NO	0.998	NO	bb
6	6 171230M3_7	Standard	10.000	4.37	3861.786	15790.786	3.057	11.5	14.8	NO	0.998	NO	bb
7	7 171230M3_8	Standard	50.000	4.37	15984.057	15843.892	12.611	47.3	-5.4	NO	0.998	NO	bb
8	8 171230M3_9	Standard	100.000	4.36	32793.961	15165.988	27.029	101.2	1.2	NO	0.998	NO	bb

Compound name: PFNA

Coefficient of Determination: $R^2 = 0.998614$

Calibration curve: $-0.00399158 * x^2 + 1.78875 * x + -0.552669$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	4.69	426.963	13858.102	0.385	0.5	110.0	NO	0.999	NO	bbX
2	2 171230M3_3	Standard	0.500	4.69	717.199	15927.060	0.563	0.6	24.9	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	4.69	1335.866	14404.834	1.159	1.0	-4.1	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	4.70	2721.185	14435.547	2.356	1.6	-18.4	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	4.69	8281.717	12619.688	8.203	4.9	-1.0	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	4.69	17042.129	13060.321	16.311	9.6	-3.7	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	4.69	76975.008	11852.702	81.179	51.6	3.3	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	4.69	156877.641	14277.241	137.349	98.9	-1.1	NO	0.999	NO	bb

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Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999310$

Calibration curve: $0.00540399 * x^2 + 1.12028 * x + 0.108059$

Response type: Internal Std (Ref 40), 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 171230M3_2	Standard	0.250	4.75	112.388	3183.584	0.441	0.3	18.8	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	4.75	136.044	2998.887	0.567	0.4	-18.2	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	4.75	257.200	2849.953	1.128	0.9	-9.3	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	4.76	613.524	2931.823	2.616	2.2	10.7	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	4.76	1409.433	3092.321	5.697	4.9	-2.5	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	4.76	3101.081	3253.921	11.913	10.1	0.5	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	4.75	16789.861	3014.224	69.628	50.0	-0.0	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	4.75	34168.512	2894.700	147.548	91.4	-8.6	NO	0.999	NO	bbX

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.996695$

Calibration curve: $-0.00134849 * x^2 + 1.2979 * x + -0.114204$

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 171230M3_2	Standard	0.250	4.76	86.461	3346.149	0.323	0.3	34.8	NO	0.997	NO	MMX
2	2 171230M3_3	Standard	0.500	4.76	165.830	3122.687	0.664	0.6	20.0	NO	0.997	NO	MM
3	3 171230M3_4	Standard	1.000	4.77	297.424	3525.735	1.054	0.9	-9.9	NO	0.997	NO	MM
4	4 171230M3_5	Standard	2.000	4.78	721.628	4035.167	2.235	1.8	-9.3	NO	0.997	NO	MM
5	5 171230M3_6	Standard	5.000	4.78	1515.002	3635.138	5.210	4.1	-17.6	NO	0.997	NO	MM
6	6 171230M3_7	Standard	10.000	4.78	3234.487	3368.915	12.001	9.4	-5.7	NO	0.997	NO	MM
7	7 171230M3_8	Standard	50.000	4.77	19653.742	3759.934	65.339	53.4	6.8	NO	0.997	NO	MM
8	8 171230M3_9	Standard	100.000	4.76	32763.500	3581.165	114.360	98.2	-1.8	NO	0.997	NO	MM

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Compound name: PFDA

Coefficient of Determination: $R^2 = 0.997594$

Calibration curve: $0.00111351 * x^2 + 1.67605 * x - 0.298586$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	5.06	451.697	11396.063	0.495	0.5	89.4	NO	0.998	NO	bbX
2	2 171230M3_3	Standard	0.500	5.06	738.525	12214.988	0.756	0.6	25.8	NO	0.998	NO	bb
3	3 171230M3_4	Standard	1.000	5.06	1374.049	13065.430	1.315	1.0	-3.8	NO	0.998	NO	bb
4	4 171230M3_5	Standard	2.000	5.06	3420.243	15245.605	2.804	1.8	-7.5	NO	0.998	NO	bb
5	5 171230M3_6	Standard	5.000	5.06	6332.755	10477.484	7.555	4.7	-6.6	NO	0.998	NO	bb
6	6 171230M3_7	Standard	10.000	5.06	15665.607	13506.891	14.498	8.8	-12.2	NO	0.998	NO	bb
7	7 171230M3_8	Standard	50.000	5.06	81247.406	11127.295	91.270	52.8	5.6	NO	0.998	NO	bb
8	8 171230M3_9	Standard	100.000	5.06	152270.188	10803.009	176.190	98.8	-1.2	NO	0.998	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.997475$

Calibration curve: $0.000346834 * x^2 + 0.357879 * x - 0.0189768$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	5.02	56.078	11396.063	0.062	0.2	-10.1	NO	0.997	NO	MM
2	2 171230M3_3	Standard	0.500	5.03	166.183	12214.988	0.170	0.5	5.6	NO	0.997	NO	bb
3	3 171230M3_4	Standard	1.000	5.03	261.788	13065.430	0.250	0.8	-24.8	NO	0.997	NO	bb
4	4 171230M3_5	Standard	2.000	5.03	713.724	15245.605	0.585	1.7	-15.7	NO	0.997	NO	bb
5	5 171230M3_6	Standard	5.000	5.03	1779.926	10477.484	2.124	6.0	19.0	NO	0.997	NO	bb
6	6 171230M3_7	Standard	10.000	5.03	4191.860	13506.891	3.879	10.8	7.8	NO	0.997	NO	bb
7	7 171230M3_8	Standard	50.000	5.03	15996.738	11127.295	17.970	48.0	-3.9	NO	0.997	NO	bb
8	8 171230M3_9	Standard	100.000	5.03	34207.176	10803.009	39.581	100.8	0.8	NO	0.997	NO	bb

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Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.999652$

Calibration curve: $0.00378022 * x^2 + 1.56644 * x + -0.06001$

Response type: Internal Std (Ref 44), 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 171230M3_2	Standard	0.250	5.21	160.754	5518.691	0.364	0.3	8.2	NO	1.000	NO	bb
2	2 171230M3_3	Standard	0.500	5.21	283.075	5810.836	0.609	0.4	-14.7	NO	1.000	NO	bb
3	3 171230M3_4	Standard	1.000	5.21	668.158	6177.302	1.352	0.9	-10.1	NO	1.000	NO	bb
4	4 171230M3_5	Standard	2.000	5.21	1486.781	6081.363	3.056	2.0	-1.0	NO	1.000	NO	bb
5	5 171230M3_6	Standard	5.000	5.21	3431.470	5138.831	8.347	5.3	6.0	NO	1.000	NO	bb
6	6 171230M3_7	Standard	10.000	5.21	7507.504	6165.212	15.222	9.5	-4.6	NO	1.000	NO	bb
7	7 171230M3_8	Standard	50.000	5.21	38983.484	5493.052	88.711	50.5	1.0	NO	1.000	NO	bb
8	8 171230M3_9	Standard	100.000	5.21	82192.547	5297.485	193.942	99.8	-0.2	NO	1.000	NO	bb

Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999425$

Calibration curve: $-0.000739055 * x^2 + 1.32527 * x + -0.0579014$

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 171230M3_2	Standard	0.250	5.36	147.507	6870.466	0.268	0.2	-1.5	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	5.36	301.207	6798.414	0.554	0.5	-7.7	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	5.37	542.127	6614.306	1.025	0.8	-18.3	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	5.37	1288.860	6103.646	2.640	2.0	1.9	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	5.37	3119.677	5599.027	6.965	5.3	6.3	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	5.37	7402.977	6844.808	13.519	10.3	3.0	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	5.36	32858.422	6483.990	63.345	49.2	-1.6	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	5.36	61678.703	6142.020	125.526	100.4	0.4	NO	0.999	NO	bb

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Compound name: PFUDa

Coefficient of Determination: $R^2 = 0.999814$

Calibration curve: $-6.41044e-005 * x^2 + 1.14422 * x + 0.0911568$

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 171230M3_2	Standard	0.250	5.37	389.329	12694.194	0.383	0.3	2.2	NO	1.000	NO	bb
2	2 171230M3_3	Standard	0.500	5.38	742.726	13733.104	0.676	0.5	2.2	NO	1.000	NO	bb
3	3 171230M3_4	Standard	1.000	5.38	1620.543	18060.582	1.122	0.9	-9.9	NO	1.000	NO	bb
4	4 171230M3_5	Standard	2.000	5.38	3123.625	16289.948	2.397	2.0	0.8	NO	1.000	NO	bb
5	5 171230M3_6	Standard	5.000	5.38	6331.628	13179.254	6.005	5.2	3.4	NO	1.000	NO	bb
6	6 171230M3_7	Standard	10.000	5.38	16312.573	17291.234	11.793	10.2	2.3	NO	1.000	NO	bb
7	7 171230M3_8	Standard	50.000	5.38	79564.445	17619.236	56.447	49.4	-1.2	NO	1.000	NO	bb
8	8 171230M3_9	Standard	100.000	5.37	157071.859	17195.029	114.184	100.3	0.3	NO	1.000	NO	bb

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.995645$

Calibration curve: $-0.00208251 * x^2 + 0.338053 * x + -0.0343255$

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 171230M3_2	Standard	0.250	5.43	67.322	12694.194	0.066	0.3	19.3	NO	0.996	NO	bb
2	2 171230M3_3	Standard	0.500	5.43	148.741	13733.104	0.135	0.5	0.7	NO	0.996	NO	bb
3	3 171230M3_4	Standard	1.000	5.43	360.215	18060.582	0.249	0.8	-15.7	NO	0.996	NO	bb
4	4 171230M3_5	Standard	2.000	5.43	697.250	16289.948	0.535	1.7	-14.9	NO	0.996	NO	bb
5	5 171230M3_6	Standard	5.000	5.43	1909.957	13179.254	1.812	5.7	13.1	NO	0.996	NO	bb
6	6 171230M3_7	Standard	10.000	5.43	4239.656	17291.234	3.065	9.8	-2.5	NO	0.996	NO	bb
7	7 171230M3_8	Standard	50.000	5.43	16436.338	17619.236	11.661	50.0	-0.0	NO	0.996	NO	bb
8	8 171230M3_9	Standard	100.000	5.42	39730.289	17195.029	28.882			NO	0.996	YES	bbXI

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Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.998836$

Calibration curve: $0.00218241 * x^2 + 1.50665 * x + -0.0562005$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	5.65	422.768	12525.502	0.422	0.3	26.9	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	5.66	638.600	13131.589	0.608	0.4	-11.9	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	5.66	1196.452	12932.541	1.156	0.8	-19.6	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	5.66	3507.546	14817.573	2.959	2.0	-0.2	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	5.66	8197.292	12853.370	7.972	5.3	5.8	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	5.67	18362.766	15211.739	15.089	9.9	-0.9	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	5.66	81592.328	12634.695	80.722	50.0	-0.0	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	5.65	160221.000	12666.770	158.112	92.6	-7.4	NO	0.999	NO	bbX

Compound name: N-MeFOSA

Correlation coefficient: $r = 0.999764$, $r^2 = 0.999529$

Calibration curve: $1.15109 * x + -0.214856$

Response type: Internal Std (Ref 48), 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 171230M3_2	Standard	1.250	5.80	164.023	16714.852	1.472	1.5	17.2	NO	1.000	NO	bb
2	2 171230M3_3	Standard	2.500	5.80	288.761	17982.373	2.409	2.3	-8.8	NO	1.000	NO	bb
3	3 171230M3_4	Standard	5.000	5.80	610.111	17483.596	5.234	4.7	-5.3	NO	1.000	NO	bb
4	4 171230M3_5	Standard	10.000	5.81	1139.646	18091.666	9.449	8.4	-16.0	NO	1.000	NO	bb
5	5 171230M3_6	Standard	25.000	5.81	3130.164	16698.209	28.118	24.6	-1.5	NO	1.000	NO	bb
6	6 171230M3_7	Standard	50.000	5.81	6692.014	17743.270	56.574	49.3	-1.3	NO	1.000	NO	bb
7	7 171230M3_8	Standard	250.000	5.80	33214.535	17214.338	289.420	251.6	0.6	NO	1.000	NO	bb
8	8 171230M3_9	Standard	500.000	5.80	66163.352	17205.000	576.838	501.3	0.3	NO	1.000	NO	bb

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Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.998861$

Calibration curve: $0.0031192 * x^2 + 1.39506 * x + 0.0280022$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	5.90	333.219	12525.502	0.333	0.2	-12.7	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	5.90	911.072	13131.589	0.867	0.6	20.2	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	5.90	1240.892	12932.541	1.199	0.8	-16.2	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	5.91	3508.982	14817.573	2.960	2.1	4.6	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	5.91	8239.135	12853.370	8.013	5.7	13.0	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	5.91	15675.203	15211.739	12.881	9.0	-9.7	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	5.90	79194.125	12634.695	78.350	50.5	0.9	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	5.90	172707.484	12666.770	170.434	99.9	-0.1	NO	0.999	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999178$

Calibration curve: $0.0252471 * x^2 + 2.47541 * x + 0.208919$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171230M3_2	Standard	0.250	6.12	239.412	3563.046	0.840	0.3	1.7	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	6.12	392.611	3501.355	1.402	0.5	-4.1	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	6.12	958.802	3793.233	3.160	1.2	17.8	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	6.12	1943.328	5426.529	4.476	1.7	-15.3	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	6.12	5481.264	5365.466	12.770	4.8	-3.3	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	6.13	12733.240	5598.277	28.431	10.3	3.2	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	6.12	61944.117	4141.186	186.976	50.0	-0.0	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	6.12	88027.773	4343.655	253.323	62.5	-37.5	NO	0.999	NO	bbX

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Compound name: N-EtFOSACoefficient of Determination: $R^2 = 0.999799$ Calibration curve: $-7.56946e-005 * x^2 + 1.06415 * x + -0.388028$

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 171230M3_2	Standard	1.250	6.19	180.606	25881.516	1.047	1.3	7.9	NO	1.000	NO	bb
2	2 171230M3_3	Standard	2.500	6.19	416.304	25449.146	2.454	2.7	6.8	NO	1.000	NO	bb
3	3 171230M3_4	Standard	5.000	6.19	732.302	25814.051	4.255	4.4	-12.7	NO	1.000	NO	bb
4	4 171230M3_5	Standard	10.000	6.20	1692.493	25987.154	9.769	9.6	-4.5	NO	1.000	NO	bb
5	5 171230M3_6	Standard	25.000	6.19	4311.340	24649.652	26.236	25.1	0.3	NO	1.000	NO	bb
6	6 171230M3_7	Standard	50.000	6.20	9326.233	25935.475	53.939	51.2	2.5	NO	1.000	NO	bb
7	7 171230M3_8	Standard	250.000	6.19	42485.051	24497.834	260.136	249.2	-0.3	NO	1.000	NO	bb
8	8 171230M3_9	Standard	500.000	6.19	84195.617	24616.922	513.035	500.3	0.1	NO	1.000	NO	bb

Compound name: PFHxDACoefficient of Determination: $R^2 = 0.998856$ Calibration curve: $-0.000303396 * x^2 + 0.739048 * x + 0.0394984$

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 171230M3_2	Standard	0.250	6.45	156.303	2929.157	0.267	0.3	23.0	NO	0.999	NO	bb
2	2 171230M3_3	Standard	0.500	6.45	245.046	2974.677	0.412	0.5	0.8	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	6.45	530.166	3582.617	0.740	0.9	-5.2	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	6.45	1043.129	3746.107	1.392	1.8	-8.4	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	6.45	2833.612	4163.788	3.403	4.6	-8.8	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	6.45	6022.304	4259.023	7.070	9.6	-4.5	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	6.45	28397.291	3769.071	37.671	52.0	4.1	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	6.45	50317.227	3581.645	70.243	99.0	-1.0	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

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Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:27:18

Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998731$

Calibration curve: $-0.00135252 * x^2 + 1.17153 * x + -0.0475142$

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 171230M3_2	Standard	0.250	6.68	234.692	2929.157	0.401	0.4	53.1	NO	0.999	NO	bbX
2	2 171230M3_3	Standard	0.500	6.68	313.022	2974.677	0.526	0.5	-2.0	NO	0.999	NO	bb
3	3 171230M3_4	Standard	1.000	6.68	756.347	3582.617	1.056	0.9	-5.7	NO	0.999	NO	bb
4	4 171230M3_5	Standard	2.000	6.68	1693.487	3746.107	2.260	2.0	-1.3	NO	0.999	NO	bb
5	5 171230M3_6	Standard	5.000	6.68	4414.905	4163.788	5.302	4.6	-8.2	NO	0.999	NO	bb
6	6 171230M3_7	Standard	10.000	6.68	10870.011	4259.023	12.761	11.1	10.7	NO	0.999	NO	bb
7	7 171230M3_8	Standard	50.000	6.68	40746.027	3769.071	54.053	48.9	-2.1	NO	0.999	NO	bb
8	8 171230M3_9	Standard	100.000	6.68	74519.805	3581.645	104.030	100.5	0.5	NO	0.999	NO	bb

Compound name: N-MeFOSE

Correlation coefficient: $r = 0.997318$, $r^2 = 0.994643$

Calibration curve: $1.11054 * x + -0.683826$

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 171230M3_2	Standard	1.250	6.32	241.237	19821.924	1.826	2.3	80.8	NO	0.995	NO	bbX
2	2 171230M3_3	Standard	2.500	6.32	276.199	17207.777	2.408	2.8	11.3	NO	0.995	NO	bb
3	3 171230M3_4	Standard	5.000	6.32	611.450	23994.758	3.822	4.1	-18.8	NO	0.995	NO	bb
4	4 171230M3_5	Standard	10.000	6.32	1403.020	19788.824	10.635	10.2	1.9	NO	0.995	NO	bb
5	5 171230M3_6	Standard	25.000	6.32	3746.707	22454.855	25.028	23.2	-7.4	NO	0.995	NO	bb
6	6 171230M3_7	Standard	50.000	6.32	7715.965	18313.316	63.200	57.5	15.0	NO	0.995	NO	bb
7	7 171230M3_8	Standard	250.000	6.32	41234.992	22809.943	271.165	244.8	-2.1	NO	0.995	NO	bb
8	8 171230M3_9	Standard	500.000	6.32	73799.234	17540.598	631.101	568.9	13.8	NO	0.995	NO	bbX

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Compound name: N-EtFOSECorrelation coefficient: $r = 0.999225$, $r^2 = 0.998452$ Calibration curve: $1.394 * x + -0.662445$

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	171230M3_2	Standard	1.250	6.46	223.178	21333.172	1.569	1.6	28.1	NO	0.998	NO	bb
2	2	171230M3_3	Standard	2.500	6.47	413.054	18647.777	3.323	2.9	14.3	NO	0.998	NO	bb
3	3	171230M3_4	Standard	5.000	6.47	763.481	19787.104	5.788	4.6	-7.5	NO	0.998	NO	bb
4	4	171230M3_5	Standard	10.000	6.47	1606.824	24373.125	9.889	7.6	-24.3	NO	0.998	NO	bb
5	5	171230M3_6	Standard	25.000	6.47	3878.812	19604.211	29.678	21.8	-12.9	NO	0.998	NO	bb
6	6	171230M3_7	Standard	50.000	6.47	9787.315	21146.869	69.424	50.3	0.6	NO	0.998	NO	bd
7	7	171230M3_8	Standard	250.000	6.46	48896.859	20785.039	352.875	253.6	1.4	NO	0.998	NO	bb
8	8	171230M3_9	Standard	500.000	6.46	96401.281	20706.365	698.345	501.4	0.3	NO	0.998	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.780346

RRF SD: 0.0162245, Relative SD: 2.07915

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	171230M3_2	Standard	12.500	1.40	10590.634	13605.824	9.730	12.5	-0.3	NO		NO	bb
2	2	171230M3_3	Standard	12.500	1.40	10700.368	13369.447	10.004	12.8	2.6	NO		NO	bb
3	3	171230M3_4	Standard	12.500	1.40	10778.936	13581.593	9.921	12.7	1.7	NO		NO	bb
4	4	171230M3_5	Standard	12.500	1.40	11055.444	14427.911	9.578	12.3	-1.8	NO		NO	bb
5	5	171230M3_6	Standard	12.500	1.41	10223.187	13476.122	9.483	12.2	-2.8	NO		NO	bb
6	6	171230M3_7	Standard	12.500	1.40	10998.330	13722.552	10.018	12.8	2.7	NO		NO	bb
7	7	171230M3_8	Standard	12.500	1.41	10544.371	13686.915	9.630	12.3	-1.3	NO		NO	bb
8	8	171230M3_9	Standard	12.500	1.40	10664.267	13784.692	9.670	12.4	-0.9	NO		NO	bb

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Compound name: 13C3-PFPeA

Response Factor: 0.771374

RRF SD: 0.0442968, Relative SD: 5.74259

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 171230M3_2	Standard	12.500	2.36	12830.407	15854.692	10.116	13.1	4.9	NO		NO	bb
2	2 171230M3_3	Standard	12.500	2.36	12739.582	15202.074	10.475	13.6	8.6	NO		NO	bb
3	3 171230M3_4	Standard	12.500	2.36	12601.388	18059.971	8.722	11.3	-9.5	NO		NO	bb
4	4 171230M3_5	Standard	12.500	2.36	13559.735	17487.736	9.692	12.6	0.5	NO		NO	bb
5	5 171230M3_6	Standard	12.500	2.37	12517.433	17166.082	9.115	11.8	-5.5	NO		NO	bb
6	6 171230M3_7	Standard	12.500	2.36	13543.172	17836.998	9.491	12.3	-1.6	NO		NO	bb
7	7 171230M3_8	Standard	12.500	2.36	12727.579	16559.475	9.607	12.5	-0.4	NO		NO	bb
8	8 171230M3_9	Standard	12.500	2.36	12918.356	16279.845	9.919	12.9	2.9	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.103096

RRF SD: 0.0086806, Relative SD: 8.41991

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 171230M3_2	Standard	12.500	2.63	1730.699	15854.692	1.365	13.2	5.9	NO		NO	bb
2	2 171230M3_3	Standard	12.500	2.63	1855.926	15202.074	1.526	14.8	18.4	NO		NO	bb
3	3 171230M3_4	Standard	12.500	2.63	1744.564	18059.971	1.207	11.7	-6.3	NO		NO	bb
4	4 171230M3_5	Standard	12.500	2.64	1773.955	17487.736	1.268	12.3	-1.6	NO		NO	bb
5	5 171230M3_6	Standard	12.500	2.64	1643.731	17166.082	1.197	11.6	-7.1	NO		NO	bb
6	6 171230M3_7	Standard	12.500	2.64	1792.845	17836.998	1.256	12.2	-2.5	NO		NO	bb
7	7 171230M3_8	Standard	12.500	2.64	1656.078	16559.475	1.250	12.1	-3.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	2.63	1615.137	16279.845	1.240	12.0	-3.8	NO		NO	bb

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Compound name: 13C2-PFHxA

Response Factor: 0.618803

RRF SD: 0.0533048, Relative SD: 8.61418

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 171230M3_2	Standard	5.000	3.13	4345.656	15854.692	3.426	5.5	10.7	NO		NO	bb
2	2 171230M3_3	Standard	5.000	3.13	4117.409	15202.074	3.386	5.5	9.4	NO		NO	bb
3	3 171230M3_4	Standard	5.000	3.13	4098.995	18059.971	2.837	4.6	-8.3	NO		NO	bb
4	4 171230M3_5	Standard	5.000	3.13	4464.987	17487.736	3.192	5.2	3.2	NO		NO	bb
5	5 171230M3_6	Standard	5.000	3.13	3678.770	17166.082	2.679	4.3	-13.4	NO		NO	bb
6	6 171230M3_7	Standard	5.000	3.13	4631.413	17836.998	3.246	5.2	4.9	NO		NO	bb
7	7 171230M3_8	Standard	5.000	3.13	3868.221	16559.475	2.920	4.7	-5.6	NO		NO	bb
8	8 171230M3_9	Standard	5.000	3.13	3994.966	16279.845	3.067	5.0	-0.9	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.633577

RRF SD: 0.0463811, Relative SD: 7.32051

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 171230M3_2	Standard	12.500	3.74	10628.602	15854.692	8.380	13.2	5.8	NO		NO	bb
2	2 171230M3_3	Standard	12.500	3.74	10972.185	15202.074	9.022	14.2	13.9	NO		NO	bb
3	3 171230M3_4	Standard	12.500	3.74	10844.437	18059.971	7.506	11.8	-5.2	NO		NO	bb
4	4 171230M3_5	Standard	12.500	3.75	9994.996	17487.736	7.144	11.3	-9.8	NO		NO	bb
5	5 171230M3_6	Standard	12.500	3.75	10840.354	17166.082	7.894	12.5	-0.3	NO		NO	bb
6	6 171230M3_7	Standard	12.500	3.75	11361.731	17836.998	7.962	12.6	0.5	NO		NO	bb
7	7 171230M3_8	Standard	12.500	3.74	10491.151	16559.475	7.919	12.5	-0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	3.74	9807.888	16279.845	7.531	11.9	-4.9	NO		NO	bb

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Compound name: 18O2-PFHxS

Response Factor: 0.319596

RRF SD: 0.0248457, Relative SD: 7.77409

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 171230M3_2	Standard	12.500	3.89	1363.239	3931.583	4.334	13.6	8.5	NO		NO	bb
2	2 171230M3_3	Standard	12.500	3.89	1442.194	4153.182	4.341	13.6	8.7	NO		NO	bb
3	3 171230M3_4	Standard	12.500	3.89	1307.153	3997.727	4.087	12.8	2.3	NO		NO	bb
4	4 171230M3_5	Standard	12.500	3.89	1348.822	4460.181	3.780	11.8	-5.4	NO		NO	bb
5	5 171230M3_6	Standard	12.500	3.89	1296.596	4016.015	4.036	12.6	1.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	3.89	1174.549	4349.945	3.375	10.6	-15.5	NO		NO	bb
7	7 171230M3_8	Standard	12.500	3.89	1341.063	4184.471	4.006	12.5	0.3	NO		NO	bb
8	8 171230M3_9	Standard	12.500	3.89	1237.411	3866.536	4.000	12.5	0.1	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.243997

RRF SD: 0.0363144, Relative SD: 14.8831

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 171230M3_2	Standard	12.500	4.20	3304.589	15842.009	2.607	10.7	-14.5	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.20	3758.634	14183.630	3.312	13.6	8.6	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.20	3254.745	14427.698	2.820	11.6	-7.5	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.21	3379.511	15338.244	2.754	11.3	-9.7	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.21	3444.696	15165.979	2.839	11.6	-6.9	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.21	3389.651	15888.991	2.667	10.9	-12.6	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.20	4363.689	14827.076	3.679	15.1	20.6	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.20	4152.263	13948.476	3.721	15.3	22.0	NO		NO	bb

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Compound name: 13C2-PFOA

Response Factor: 1.04571

RRF SD: 0.0370953, Relative SD: 3.54737

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 171230M3_2	Standard	12.500	4.26	15722.004	15842.009	12.405	11.9	-5.1	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.26	14936.890	14183.630	13.164	12.6	0.7	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.26	15544.537	14427.698	13.468	12.9	3.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.26	16356.577	15338.244	13.330	12.7	2.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.26	15570.807	15165.979	12.834	12.3	-1.8	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.26	15790.786	15888.991	12.423	11.9	-5.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.26	15843.892	14827.076	13.357	12.8	2.2	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.25	15165.988	13948.476	13.591	13.0	4.0	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.838339

RRF SD: 0.0768922, Relative SD: 9.17198

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 171230M3_2	Standard	12.500	4.69	13858.102	16136.932	10.735	12.8	2.4	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.69	15927.060	17342.525	11.480	13.7	9.5	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.69	14404.834	15833.807	11.372	13.6	8.5	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.69	14435.547	18011.766	10.018	11.9	-4.4	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.69	12619.688	13990.217	11.275	13.4	7.6	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.69	13060.321	18828.510	8.671	10.3	-17.3	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.69	11852.702	15145.017	9.783	11.7	-6.6	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.69	14277.241	16995.723	10.501	12.5	0.2	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 0.162365

RRF SD: 0.0193163, Relative SD: 11.8969

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 171230M3_2	Standard	12.500	4.75	3183.584	17914.830	2.221	13.7	9.4	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.75	2998.887	15156.200	2.473	15.2	21.9	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.75	2849.953	19647.309	1.813	11.2	-10.7	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.76	2931.823	21014.881	1.744	10.7	-14.1	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.76	3092.321	20442.176	1.891	11.6	-6.8	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.76	3253.921	20354.811	1.998	12.3	-1.5	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.75	3014.224	19464.414	1.936	11.9	-4.6	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.75	2894.700	16752.975	2.160	13.3	6.4	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 0.862578

RRF SD: 0.0841194, Relative SD: 9.75209

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 171230M3_2	Standard	12.500	4.77	3346.149	4119.288	10.154	11.8	-5.8	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.77	3122.687	4313.366	9.049	10.5	-16.1	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.77	3525.735	4111.814	10.718	12.4	-0.6	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.77	4035.167	4255.765	11.852	13.7	9.9	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.77	3635.138	3878.207	11.717	13.6	8.7	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.77	3368.915	4210.152	10.002	11.6	-7.2	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.77	3759.934	4401.300	10.678	12.4	-1.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.77	3581.165	3703.629	12.087	14.0	12.1	NO		NO	bb

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Compound name: 13C2-PFDA

Response Factor: 0.82849

RRF SD: 0.0831009, Relative SD: 10.0304

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 171230M3_2	Standard	12.500	5.06	11396.063	11822.749	12.049	14.5	16.3	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.06	12214.988	14686.887	10.396	12.5	0.4	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.06	13065.430	15130.091	10.794	13.0	4.2	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.06	15245.605	18457.758	10.325	12.5	-0.3	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.06	10477.484	14194.363	9.227	11.1	-10.9	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.06	13506.891	15150.772	11.144	13.5	7.6	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.06	11127.295	15884.021	8.757	10.6	-15.4	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.06	10803.009	13293.888	10.158	12.3	-1.9	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.139048

RRF SD: 0.0198834, Relative SD: 14.2996

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 171230M3_2	Standard	12.500	5.03	1883.502	15854.692	1.485	10.7	-14.6	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.03	2073.621	15202.074	1.705	12.3	-1.9	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.03	2062.173	18059.971	1.427	10.3	-17.9	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.03	2397.384	17487.736	1.714	12.3	-1.4	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.03	2574.274	17166.082	1.875	13.5	7.8	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.03	2555.486	17836.998	1.791	12.9	3.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.03	2875.256	16559.475	2.170	15.6	24.9	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.03	3363.342	16279.845	2.582	18.6	48.6	NO		NO	bbX

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Compound name: d3-N-MeFOSAA

Response Factor: 0.305992

RRF SD: 0.0378043, Relative SD: 12.3547

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 171230M3_2	Standard	12.500	5.20	5518.691	17914.830	3.851	12.6	0.7	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.20	5810.836	15156.200	4.792	15.7	25.3	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.21	6177.302	19647.309	3.930	12.8	2.8	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.21	6081.363	21014.881	3.617	11.8	-5.4	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.21	5138.831	20442.176	3.142	10.3	-17.8	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.21	6165.212	20354.811	3.786	12.4	-1.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.21	5493.052	19464.414	3.528	11.5	-7.8	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.20	5297.485	16752.975	3.953	12.9	3.3	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.346134

RRF SD: 0.0547503, Relative SD: 15.8176

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 171230M3_2	Standard	12.500	5.36	6870.466	17914.830	4.794	13.8	10.8	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.36	6798.414	15156.200	5.607	16.2	29.6	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.36	6614.306	19647.309	4.208	12.2	-2.7	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.36	6103.646	21014.881	3.631	10.5	-16.1	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.36	5599.027	20442.176	3.424	9.9	-20.9	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.36	6844.808	20354.811	4.203	12.1	-2.8	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.36	6483.990	19464.414	4.164	12.0	-3.8	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.36	6142.020	16752.975	4.583	13.2	5.9	NO		NO	bb

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Compound name: 13C2-PFUdA

Response Factor: 0.84186

RRF SD: 0.124966, Relative SD: 14.844

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 171230M3_2	Standard	12.500	5.37	12694.194	17914.830	8.857	10.5	-15.8	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.38	13733.104	15156.200	11.326	13.5	7.6	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.38	18060.582	19647.309	11.490	13.6	9.2	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.38	16289.948	21014.881	9.690	11.5	-7.9	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.38	13179.254	20442.176	8.059	9.6	-23.4	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.38	17291.234	20354.811	10.619	12.6	0.9	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.38	17619.236	19464.414	11.315	13.4	7.5	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.37	17195.029	16752.975	12.830	15.2	21.9	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 0.713778

RRF SD: 0.0765285, Relative SD: 10.7216

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 171230M3_2	Standard	12.500	5.65	12525.502	17914.830	8.740	12.2	-2.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.66	13131.589	15156.200	10.830	15.2	21.4	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.66	12932.541	19647.309	8.228	11.5	-7.8	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.66	14817.573	21014.881	8.814	12.3	-1.2	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.66	12853.370	20442.176	7.860	11.0	-11.9	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.67	15211.739	20354.811	9.342	13.1	4.7	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.66	12634.695	19464.414	8.114	11.4	-9.1	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.65	12666.770	16752.975	9.451	13.2	5.9	NO		NO	bb

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Compound name: d3-N-MeFOSA

Response Factor: 0.0778145

RRF SD: 0.00994747, Relative SD: 12.7836

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	171230M3_2	Standard	150.000	5.82	16714.852	17914.830	11.663	149.9	-0.1	NO		NO	bb
2	2	171230M3_3	Standard	150.000	5.82	17982.373	15156.200	14.831	190.6	27.1	NO		NO	bb
3	3	171230M3_4	Standard	150.000	5.82	17483.596	19647.309	11.123	142.9	-4.7	NO		NO	bb
4	4	171230M3_5	Standard	150.000	5.83	18091.666	21014.881	10.761	138.3	-7.8	NO		NO	bb
5	5	171230M3_6	Standard	150.000	5.83	16698.209	20442.176	10.211	131.2	-12.5	NO		NO	bb
6	6	171230M3_7	Standard	150.000	5.83	17743.270	20354.811	10.896	140.0	-6.6	NO		NO	bb
7	7	171230M3_8	Standard	150.000	5.82	17214.338	19464.414	11.055	142.1	-5.3	NO		NO	bb
8	8	171230M3_9	Standard	150.000	5.82	17205.000	16752.975	12.837	165.0	10.0	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.236342

RRF SD: 0.0317238, Relative SD: 13.4228

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	171230M3_2	Standard	12.500	6.12	3563.046	17914.830	2.486	10.5	-15.8	NO		NO	bb
2	2	171230M3_3	Standard	12.500	6.12	3501.355	15156.200	2.888	12.2	-2.3	NO		NO	bb
3	3	171230M3_4	Standard	12.500	6.12	3793.233	19647.309	2.413	10.2	-18.3	NO		NO	bb
4	4	171230M3_5	Standard	12.500	6.12	5426.529	21014.881	3.228	13.7	9.3	NO		NO	bb
5	5	171230M3_6	Standard	12.500	6.12	5365.466	20442.176	3.281	13.9	11.1	NO		NO	bb
6	6	171230M3_7	Standard	12.500	6.13	5598.277	20354.811	3.438	14.5	16.4	NO		NO	bb
7	7	171230M3_8	Standard	12.500	6.12	4141.186	19464.414	2.659	11.3	-10.0	NO		NO	bb
8	8	171230M3_9	Standard	12.500	6.12	4343.655	16752.975	3.241	13.7	9.7	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.113357

RRF SD: 0.013354, Relative SD: 11.7805

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 171230M3_2	Standard	150.000	6.20	25881.516	17914.830	18.059	159.3	6.2	NO		NO	bb
2	2 171230M3_3	Standard	150.000	6.20	25449.146	15156.200	20.989	185.2	23.4	NO		NO	bb
3	3 171230M3_4	Standard	150.000	6.20	25814.051	19647.309	16.423	144.9	-3.4	NO		NO	bb
4	4 171230M3_5	Standard	150.000	6.21	25987.154	21014.881	15.458	136.4	-9.1	NO		NO	bb
5	5 171230M3_6	Standard	150.000	6.21	24649.652	20442.176	15.073	133.0	-11.4	NO		NO	bb
6	6 171230M3_7	Standard	150.000	6.21	25935.475	20354.811	15.927	140.5	-6.3	NO		NO	bb
7	7 171230M3_8	Standard	150.000	6.20	24497.834	19464.414	15.732	138.8	-7.5	NO		NO	bb
8	8 171230M3_9	Standard	150.000	6.20	24616.922	16752.975	18.368	162.0	8.0	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 0.48148

RRF SD: 0.0424758, Relative SD: 8.82194

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 171230M3_2	Standard	5.000	6.45	2929.157	17914.830	2.044	4.2	-15.1	NO		NO	bb
2	2 171230M3_3	Standard	5.000	6.45	2974.677	15156.200	2.453	5.1	1.9	NO		NO	bb
3	3 171230M3_4	Standard	5.000	6.45	3582.617	19647.309	2.279	4.7	-5.3	NO		NO	bb
4	4 171230M3_5	Standard	5.000	6.45	3746.107	21014.881	2.228	4.6	-7.4	NO		NO	bb
5	5 171230M3_6	Standard	5.000	6.45	4163.788	20442.176	2.546	5.3	5.8	NO		NO	bb
6	6 171230M3_7	Standard	5.000	6.45	4259.023	20354.811	2.615	5.4	8.6	NO		NO	bb
7	7 171230M3_8	Standard	5.000	6.45	3769.071	19464.414	2.420	5.0	0.5	NO		NO	bb
8	8 171230M3_9	Standard	5.000	6.45	3581.645	16752.975	2.672	5.6	11.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time
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Compound name: d7-N-MeFOSE

Response Factor: 0.0898104

RRF SD: 0.00919355, Relative SD: 10.2366

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 171230M3_2	Standard	150.000	6.31	19821.924	17914.830	13.831	154.0	2.7	NO		NO	bb
2	2 171230M3_3	Standard	150.000	6.31	17207.777	15156.200	14.192	158.0	5.3	NO		NO	bb
3	3 171230M3_4	Standard	150.000	6.31	23994.758	19647.309	15.266	170.0	13.3	NO		NO	bb
4	4 171230M3_5	Standard	150.000	6.31	19788.824	21014.881	11.771	131.1	-12.6	NO		NO	bb
5	5 171230M3_6	Standard	150.000	6.31	22454.855	20442.176	13.731	152.9	1.9	NO		NO	bb
6	6 171230M3_7	Standard	150.000	6.31	18313.316	20354.811	11.246	125.2	-16.5	NO		NO	bb
7	7 171230M3_8	Standard	150.000	6.31	22809.943	19464.414	14.648	163.1	8.7	NO		NO	bb
8	8 171230M3_9	Standard	150.000	6.31	17540.598	16752.975	13.088	145.7	-2.8	NO		NO	bd

Compound name: d9-N-EtFOSE

Response Factor: 0.0926026

RRF SD: 0.00888493, Relative SD: 9.59469

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 171230M3_2	Standard	150.000	6.46	21333.172	17914.830	14.885	160.7	7.2	NO		NO	bb
2	2 171230M3_3	Standard	150.000	6.46	18647.777	15156.200	15.380	166.1	10.7	NO		NO	bb
3	3 171230M3_4	Standard	150.000	6.46	19787.104	19647.309	12.589	135.9	-9.4	NO		NO	bb
4	4 171230M3_5	Standard	150.000	6.46	24373.125	21014.881	14.498	156.6	4.4	NO		NO	bb
5	5 171230M3_6	Standard	150.000	6.46	19604.211	20442.176	11.988	129.5	-13.7	NO		NO	bd
6	6 171230M3_7	Standard	150.000	6.46	21146.869	20354.811	12.986	140.2	-6.5	NO		NO	bb
7	7 171230M3_8	Standard	150.000	6.46	20785.039	19464.414	13.348	144.1	-3.9	NO		NO	bb
8	8 171230M3_9	Standard	150.000	6.46	20706.365	16752.975	15.450	166.8	11.2	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time
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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	1 171230M3_2	Standard	12.500	1.40	13605.824	13605.824	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	1.40	13369.447	13369.447	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	1.40	13581.593	13581.593	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	1.40	14427.911	14427.911	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	1.41	13476.122	13476.122	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	1.40	13722.552	13722.552	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	1.40	13686.915	13686.915	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	1.40	13784.692	13784.692	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	1 171230M3_2	Standard	12.500	3.12	15854.692	15854.692	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	3.13	15202.074	15202.074	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	3.13	18059.971	18059.971	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	3.13	17487.736	17487.736	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	3.13	17166.082	17166.082	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	3.13	17836.998	17836.998	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	3.13	16559.475	16559.475	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	3.13	16279.845	16279.845	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

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 171230M3_2	Standard	12.500	3.89	3931.583	3931.583	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	3.89	4153.182	4153.182	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	3.89	3997.727	3997.727	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	3.89	4460.181	4460.181	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	3.89	4016.015	4016.015	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	3.89	4349.945	4349.945	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	3.89	4184.471	4184.471	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	3.89	3866.536	3866.536	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171230M3_2	Standard	12.500	4.26	15842.009	15842.009	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.26	14183.630	14183.630	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.26	14427.698	14427.698	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.26	15338.244	15338.244	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.26	15165.979	15165.979	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.26	15888.991	15888.991	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.26	14827.076	14827.076	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.25	13948.476	13948.476	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

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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 171230M3_2	Standard	12.500	4.69	16136.932	16136.932	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.69	17342.525	17342.525	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.69	15833.807	15833.807	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.69	18011.766	18011.766	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.69	13990.217	13990.217	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.69	18828.510	18828.510	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.69	15145.017	15145.017	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.68	16995.723	16995.723	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 171230M3_2	Standard	12.500	4.76	4119.288	4119.288	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	4.77	4313.366	4313.366	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	4.77	4111.814	4111.814	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	4.78	4255.765	4255.765	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	4.77	3878.207	3878.207	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	4.78	4210.152	4210.152	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	4.77	4401.300	4401.300	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	4.76	3703.629	3703.629	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

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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 171230M3_2	Standard	12.500	5.06	11822.749	11822.749	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.06	14686.887	14686.887	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.06	15130.091	15130.091	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.06	18457.758	18457.758	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.06	14194.363	14194.363	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.06	15150.772	15150.772	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.06	15884.021	15884.021	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.06	13293.888	13293.888	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 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 171230M3_2	Standard	12.500	5.37	17914.830	17914.830	12.500	12.5	0.0	NO		NO	bb
2	2 171230M3_3	Standard	12.500	5.37	15156.200	15156.200	12.500	12.5	0.0	NO		NO	bb
3	3 171230M3_4	Standard	12.500	5.38	19647.309	19647.309	12.500	12.5	0.0	NO		NO	bb
4	4 171230M3_5	Standard	12.500	5.38	21014.881	21014.881	12.500	12.5	0.0	NO		NO	bb
5	5 171230M3_6	Standard	12.500	5.38	20442.176	20442.176	12.500	12.5	0.0	NO		NO	bb
6	6 171230M3_7	Standard	12.500	5.38	20354.811	20354.811	12.500	12.5	0.0	NO		NO	bb
7	7 171230M3_8	Standard	12.500	5.38	19464.414	19464.414	12.500	12.5	0.0	NO		NO	bb
8	8 171230M3_9	Standard	12.500	5.37	16752.975	16752.975	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:16:44

Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

#	Name	CoD	CoD Flag	%RSD
1	1 PFBA	0.9998	NO	
2	2 PFPeA	0.9997	NO	
3	3 PFBS	0.9989	NO	
4	4 PFHxA	0.9994	NO	
5	5 PFHpA	0.9987	NO	
6	6 L-PFHxS	0.9991	NO	
7	8 6:2 FTS	0.9976	NO	
8	9 L-PFOA	0.9950	NO	
9	11 PFHpS	0.9976	NO	
10	12 PFNA	0.9986	NO	
11	13 PFOSA	0.9993	NO	
12	14 L-PFOS	0.9966	NO	
13	16 PFDA	0.9976	NO	
14	17 8:2 FTS	0.9975	NO	
15	18 N-MeFOSAA	0.9997	NO	
16	19 N-EtFOSAA	0.9994	NO	
17	20 PFUdA	0.9998	NO	
18	21 PFDS	0.9956	NO	
19	22 PFDoA	0.9988	NO	
20	23 N-MeFOSA	0.9995	NO	
21	24 PFTTrDA	0.9989	NO	
22	25 PFTeDA	0.9992	NO	
23	26 N-EtFOSA	0.9998	NO	
24	27 PFHxDA	0.9989	NO	
25	28 PFODA	0.9985	NO	
26	29 N-MeFOSE	0.9946	NO	
27	30 N-EtFOSE	0.9985	NO	
28	31 13C3-PFBA		NO	2.079
29	32 13C3-PFPeA		NO	5.743
30	33 13C3-PFBS		NO	8.420
31	34 13C2-PFHxA		NO	8.614

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:24:41 Pacific Standard Time

Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

#	Name	CoD	CoD Flag	%RSD
32	35 13C4-PFHpA		NO	7.321
33	36 18O2-PFHxS		NO	7.774
34	37 13C2-6:2 FTS		NO	14.883
35	38 13C2-PFOA		NO	3.547
36	39 13C5-PFNA		NO	9.172
37	40 13C8-PFOSA		NO	11.897
38	41 13C8-PFOS		NO	9.752
39	42 13C2-PFDA		NO	10.030
40	43 13C2-8:2 FTS		NO	14.300
41	44 d3-N-MeFOSAA		NO	12.355
42	45 d5-N-EtFOSAA		NO	15.818
43	46 13C2-PFUdA		NO	14.844
44	47 13C2-PFDoA		NO	10.722
45	48 d3-N-MeFOSA		NO	12.784
46	49 13C2-PFTeDA		NO	13.423
47	50 d5-N-ETFOSA		NO	11.780
48	51 13C2-PFHxDA		NO	8.822
49	52 d7-N-MeFOSE		NO	10.237
50	53 d9-N-EtFOSE		NO	9.595
51	54 13C4-PFBA		NO	0.000
52	55 13C5-PFHxA		NO	0.000
53	56 13C3-PFHxS		NO	0.000
54	57 13C8-PFOA		NO	0.000
55	58 13C9-PFNA		NO	0.000
56	59 13C4-PFOS		NO	0.000
57	60 13C6-PFDA		NO	0.000
58	61 13C7-PFUdA		NO	0.000

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:32:21 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:33:45 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:27:18

Compound name: PFBA

Ⓐ Not valid for all cmpds.
RI.

	Name	ID	Acq.Date	Acq.Time
1	171230M3_1	IPA	30-Dec-17	22:44:34
2	171230M3_2	ST171230M3-1 PFC CS-2 17L2606	30-Dec-17	22:55:42
3	171230M3_3	ST171230M3-2 PFC CS-1 17L2607	30-Dec-17	23:06:53
4	171230M3_4	ST171230M3-3 PFC CS0 17L2608	30-Dec-17	23:18:04
5	171230M3_5	ST171230M3-4 PFC CS1 17L2609	30-Dec-17	23:29:14
6	171230M3_6	ST171230M3-5 PFC CS2 17L2610	30-Dec-17	23:40:25
7	171230M3_7	ST171230M3-6 PFC CS3 17L2611	30-Dec-17	23:51:35
8	171230M3_8	ST171230M3-7 PFC CS4 17L2612	31-Dec-17	00:02:47
9	171230M3_9	ST171230M3-8 PFC CS5 17L2613	31-Dec-17	00:13:57
10	171230M3_10	ST171230M3-9 PFC CS6 17L2710	31-Dec-17	00:25:08
11	171230M3_11	ST171230M3-10 PFC CS7 17L1804	31-Dec-17	00:36:19
12	171230M3_12	IPA	31-Dec-17	00:47:29
13	171230M3_13	ICV171230M3-1 PFC ICV 17L1201 Ⓐ	31-Dec-17	00:58:40
14	171230M3_14	ICV171230M3-2 PFC ICV 17L1201	31-Dec-17	01:09:51
15	171230M3_15	IPA	31-Dec-17	01:21:01

Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:16:44

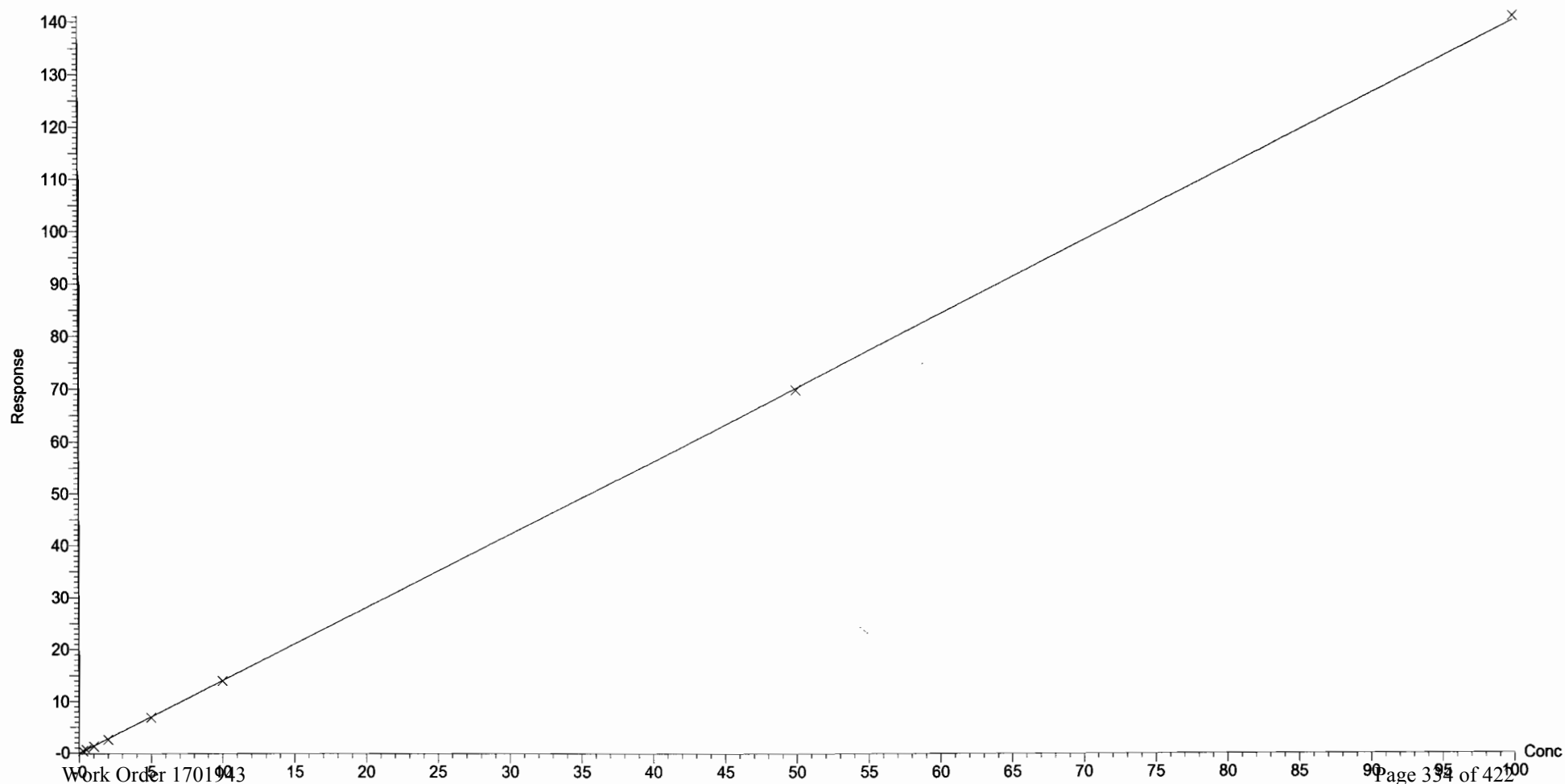
Compound name: PFBA

Correlation coefficient: $r = 0.999916$, $r^2 = 0.999832$

Calibration curve: $1.40326 * x + -0.0463085$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

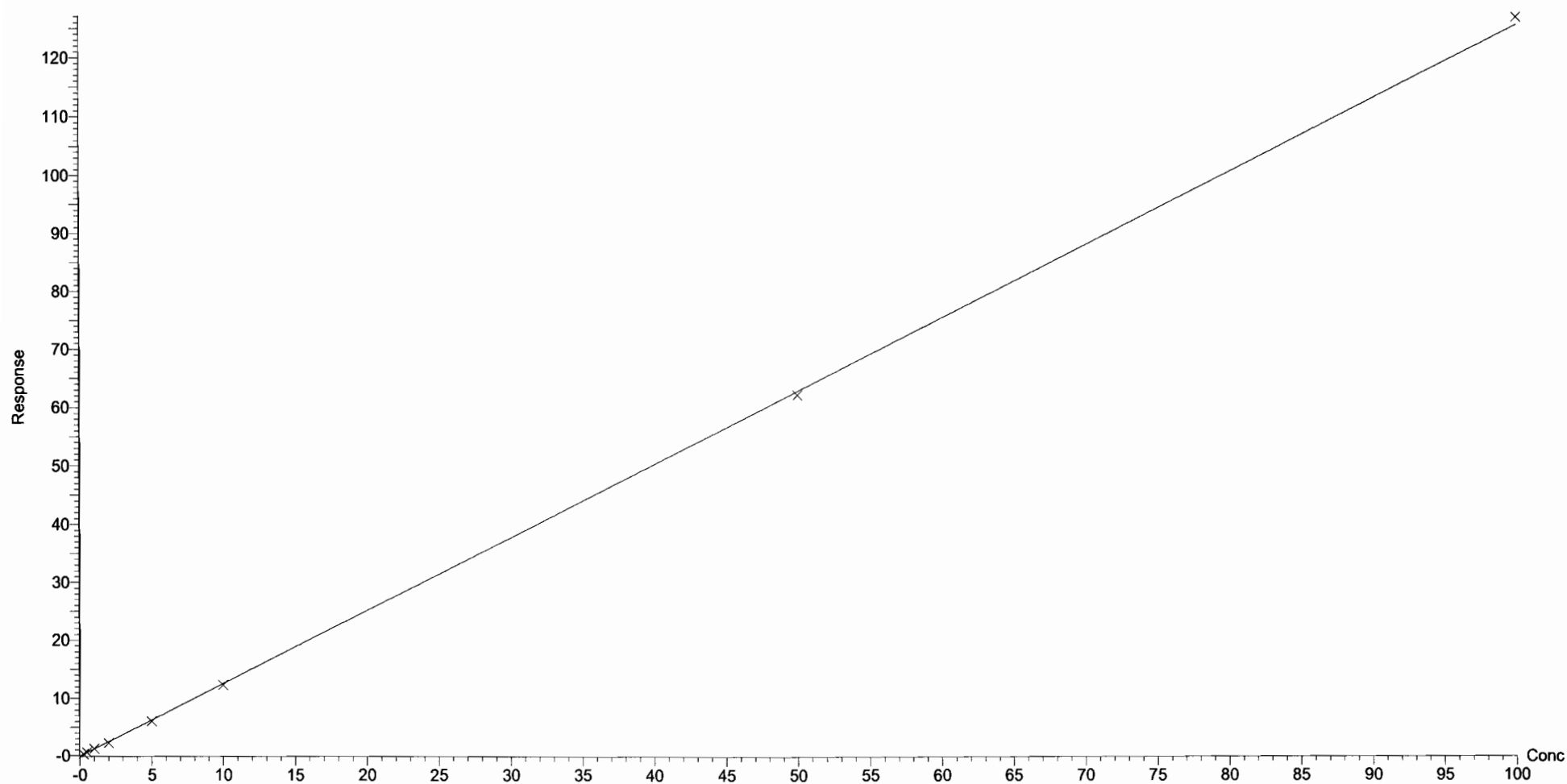
Compound name: PFPeA

Correlation coefficient: $r = 0.999838$, $r^2 = 0.999676$

Calibration curve: $1.25863 * x + -0.0561556$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

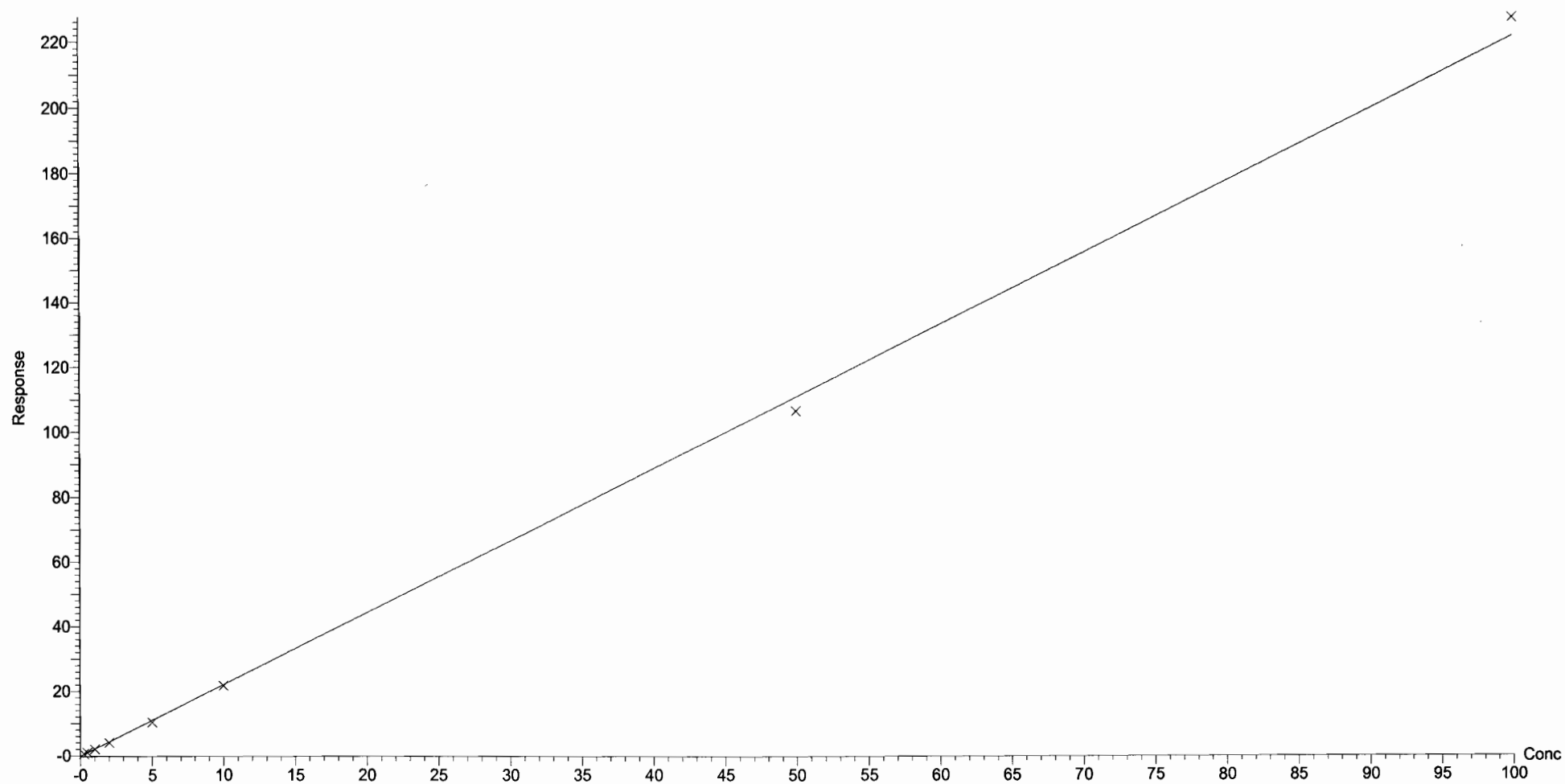
Compound name: PFBS

Correlation coefficient: $r = 0.999434$, $r^2 = 0.998868$

Calibration curve: $2.22069 * x + -0.183022$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

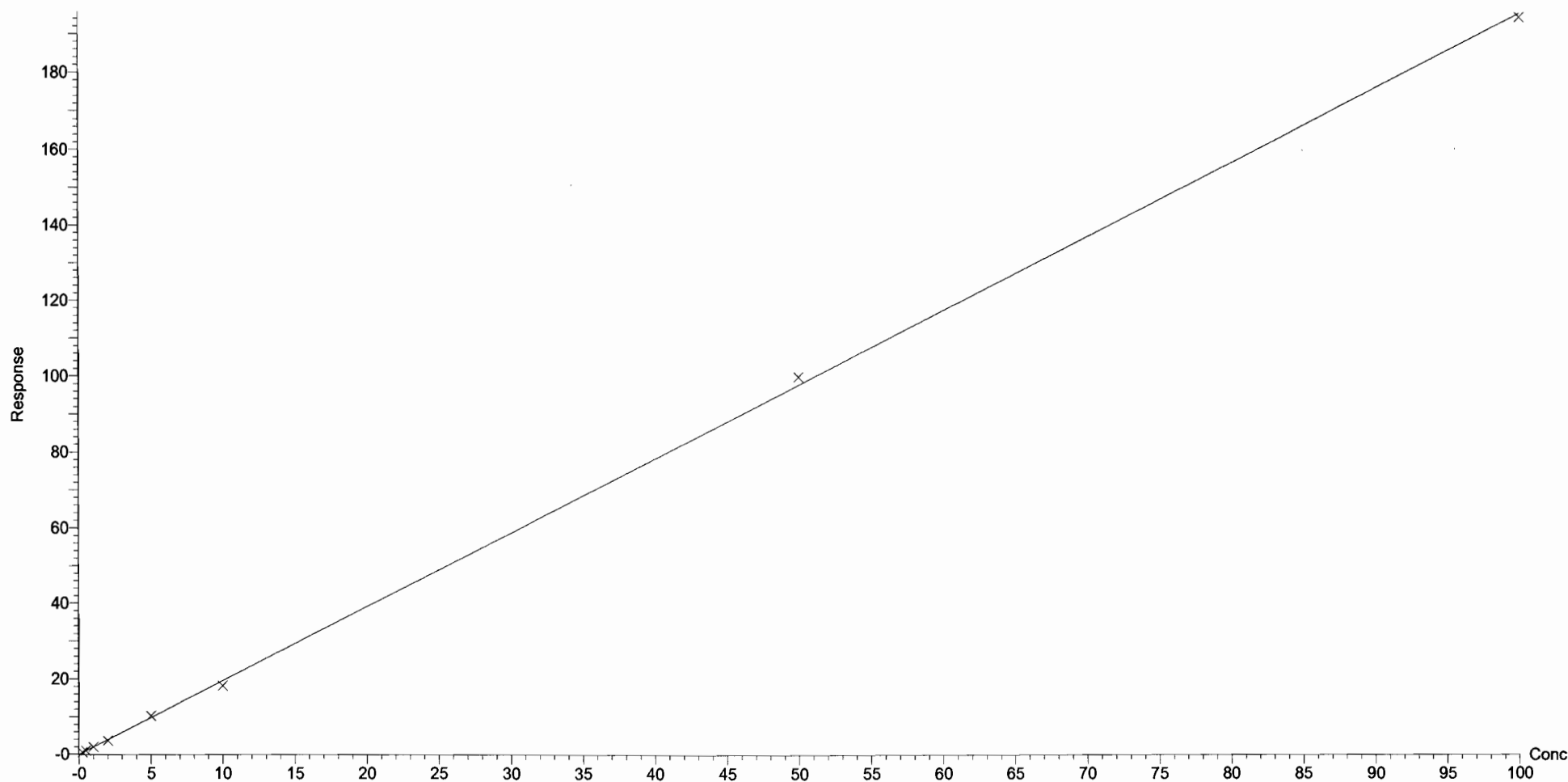
Compound name: PFHxA

Correlation coefficient: $r = 0.999700$, $r^2 = 0.999400$

Calibration curve: $1.95668 * x + -0.0594756$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

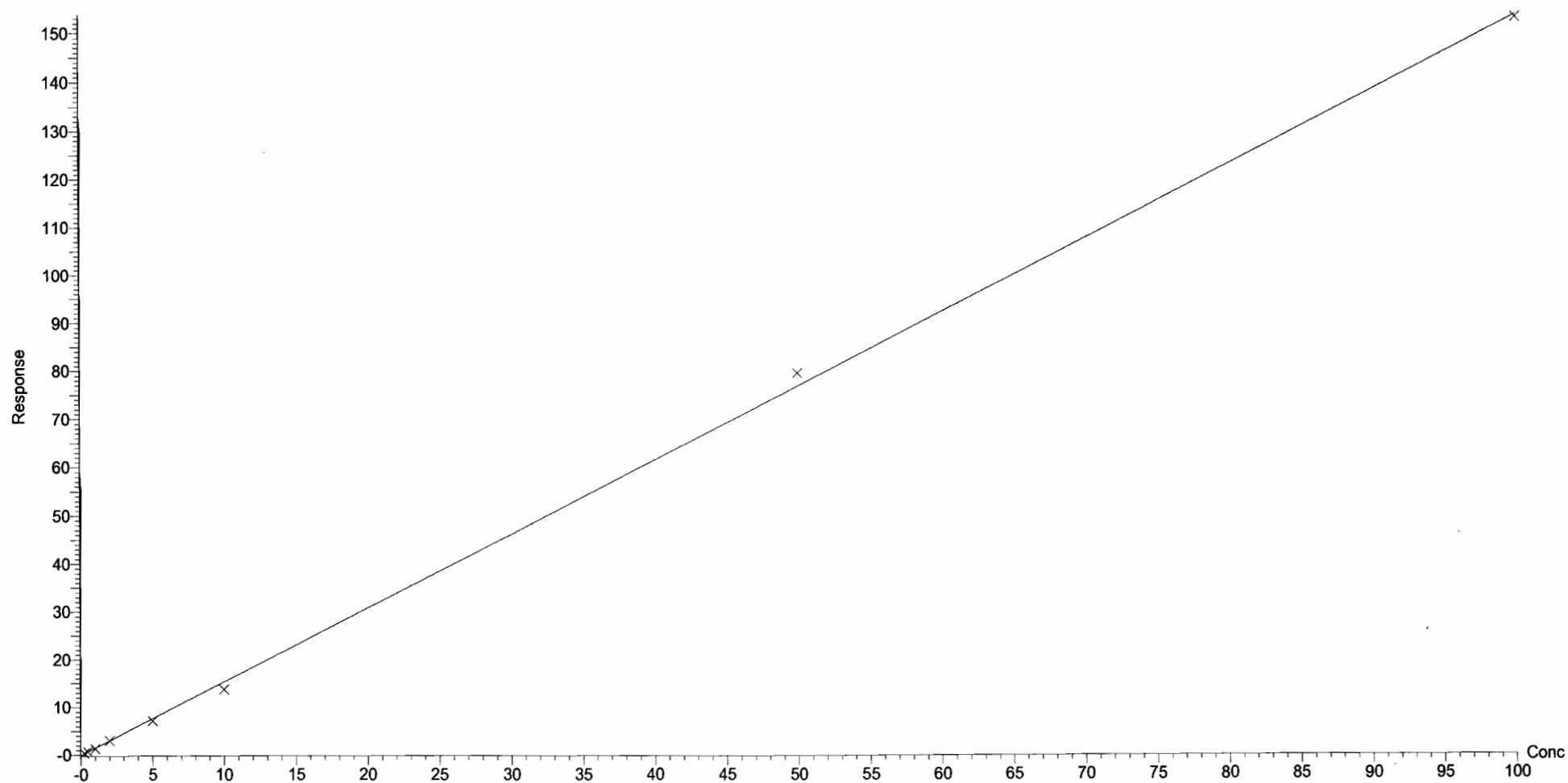
Compound name: PFHpA

Correlation coefficient: $r = 0.999344$, $r^2 = 0.998689$

Calibration curve: $1.53884 * x + -0.0806046$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

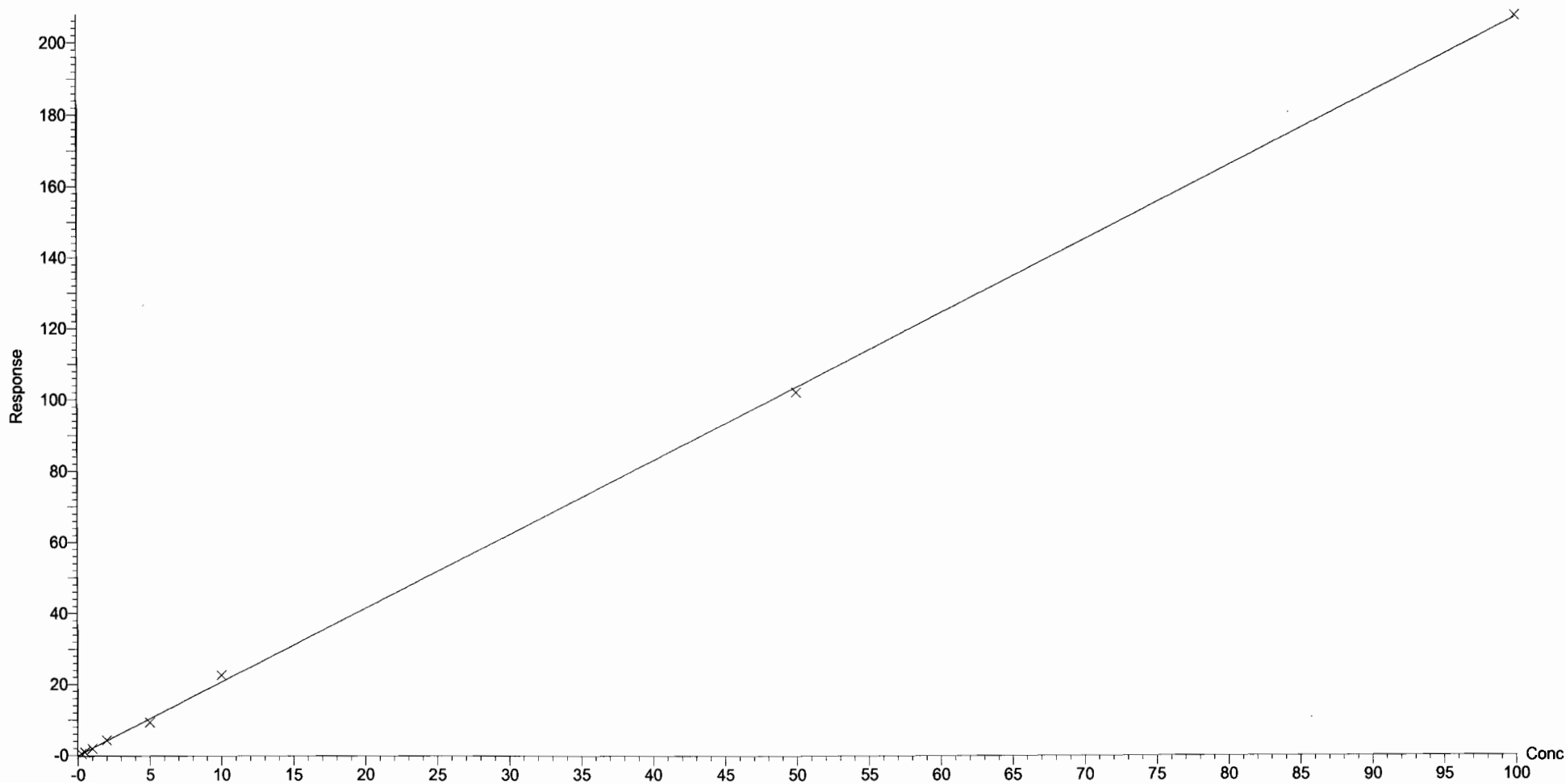
Compound name: L-PFHxS

Correlation coefficient: $r = 0.999556$, $r^2 = 0.999113$

Calibration curve: $2.07297 * x + -0.115432$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

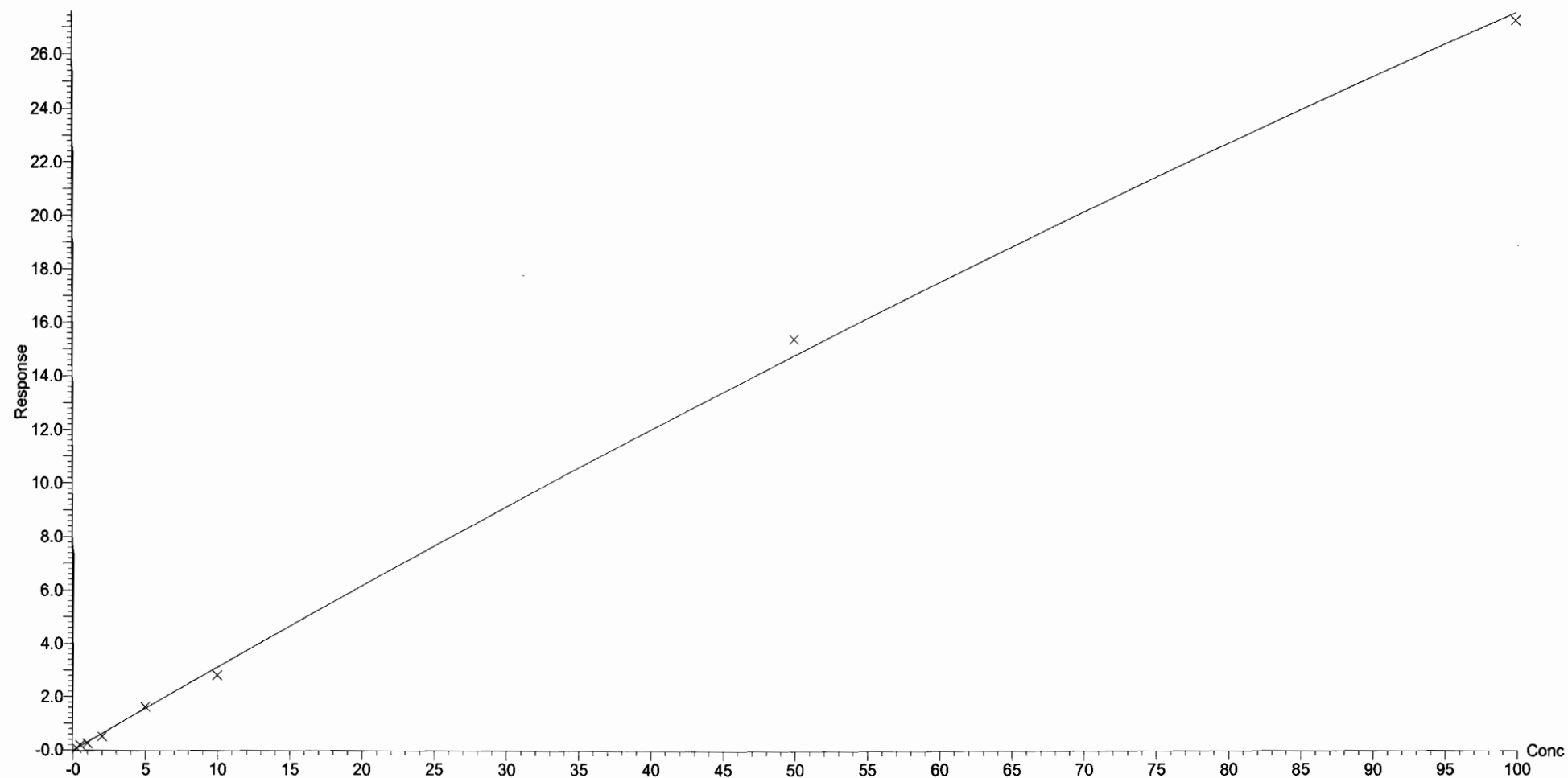
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.997647$

Calibration curve: $-0.000403433 * x^2 + 0.31611 * x + -0.016104$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

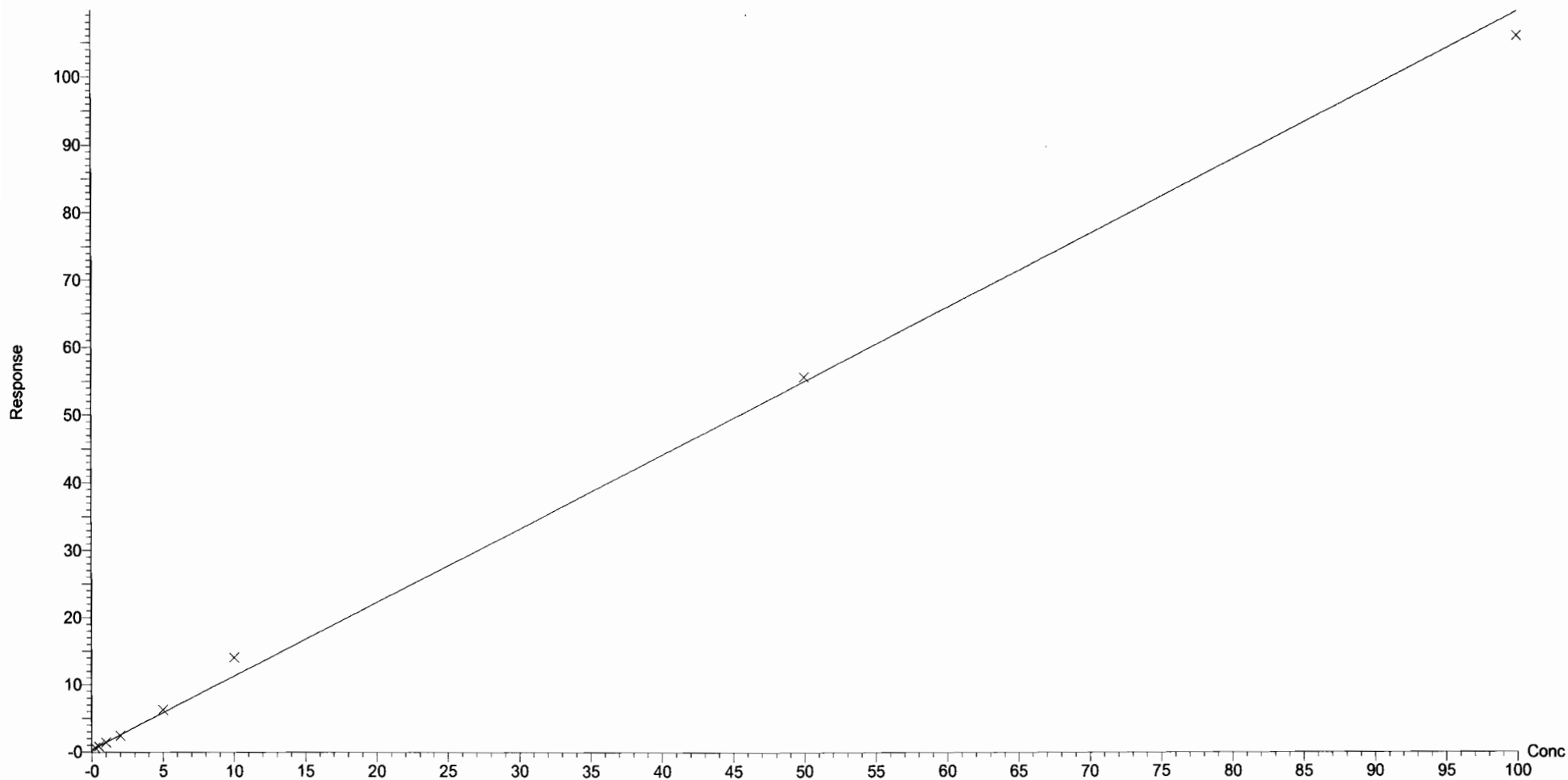
Compound name: L-PFOA

Correlation coefficient: $r = 0.997521$, $r^2 = 0.995048$

Calibration curve: $1.09349 * x + 0.337952$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

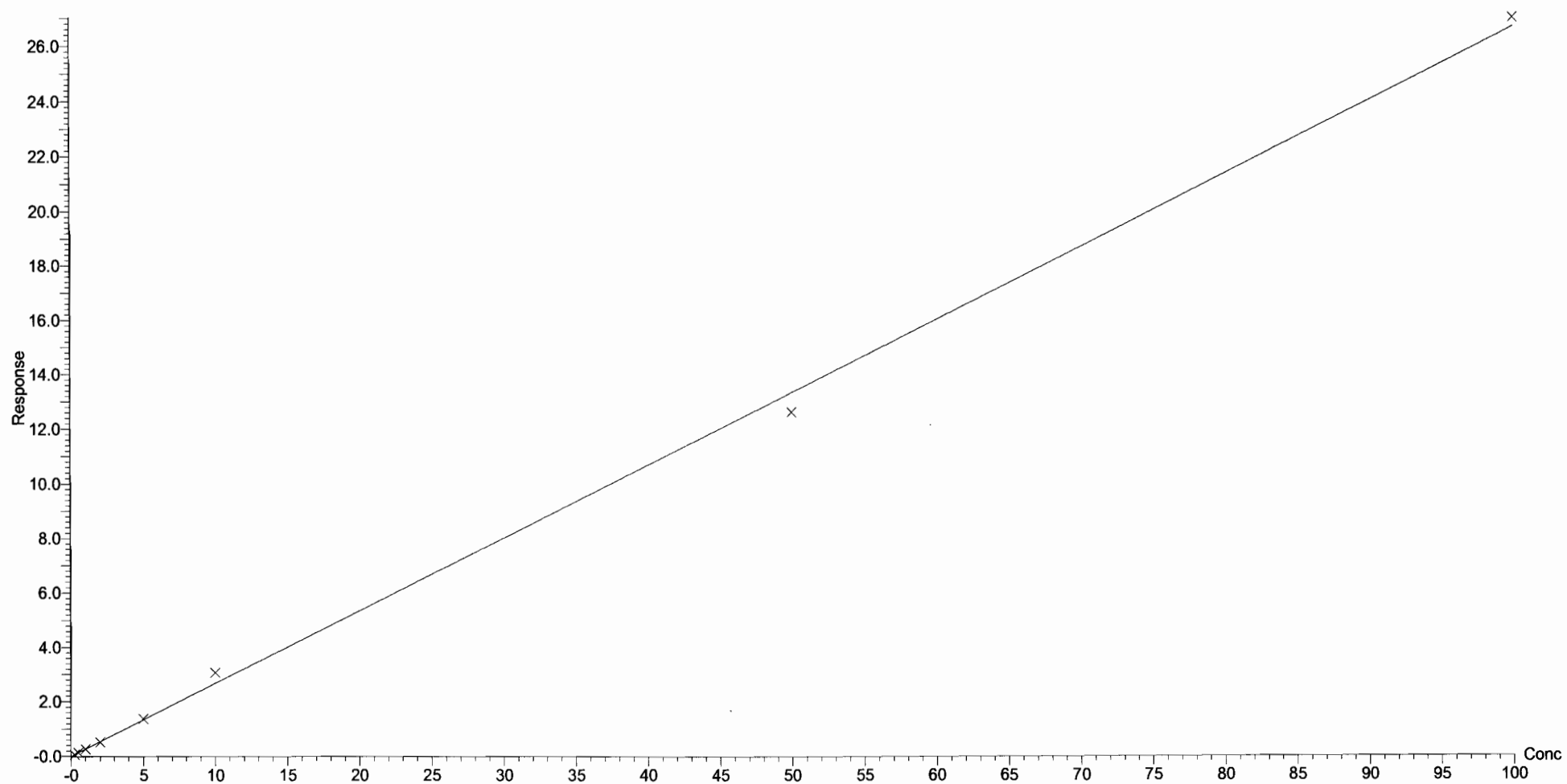
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.997563$

Calibration curve: $5.37943e-006 * x^2 + 0.266569 * x + -0.00415487$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

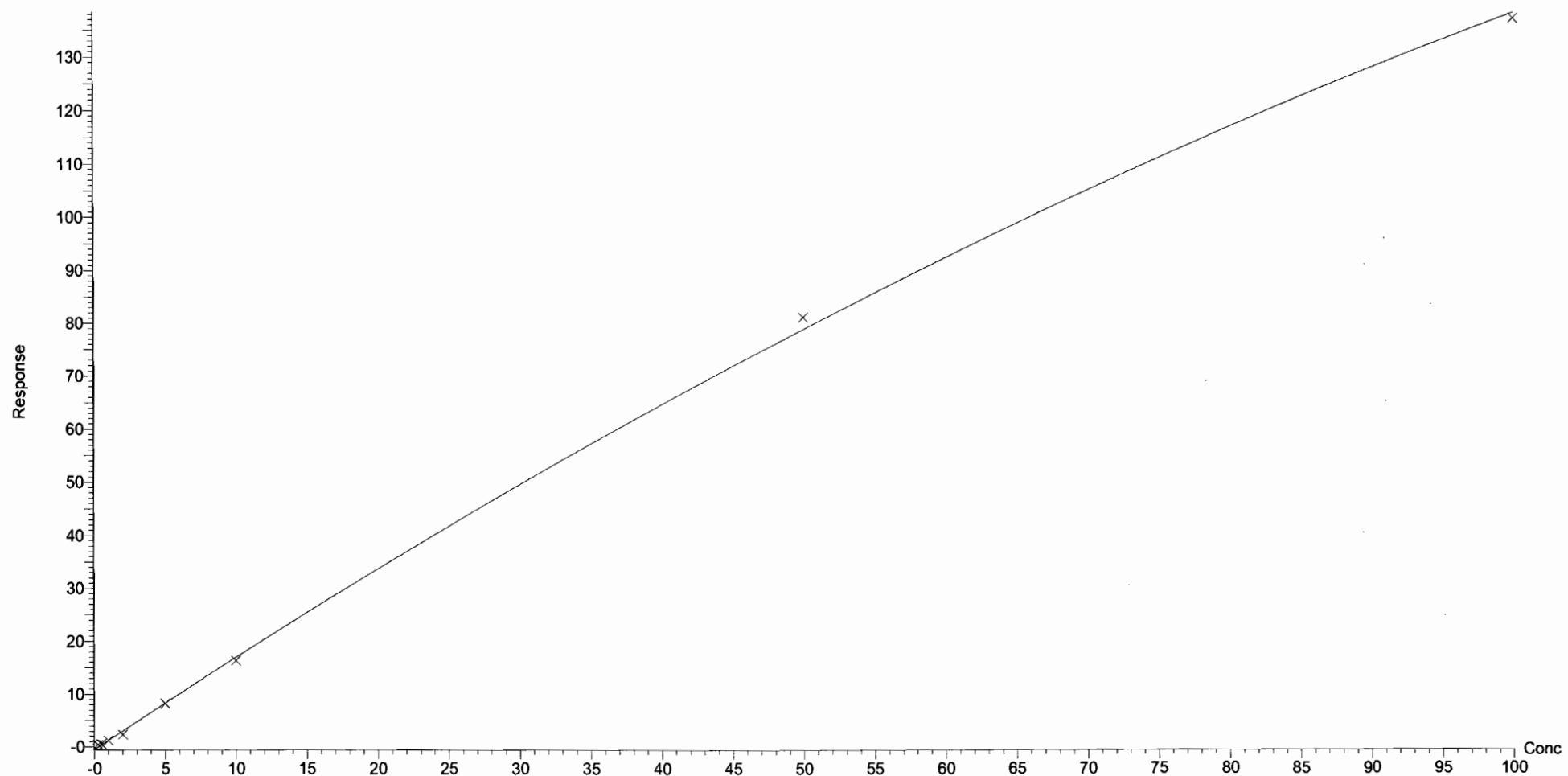
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.998614$

Calibration curve: $-0.00399158 * x^2 + 1.78875 * x + -0.552669$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

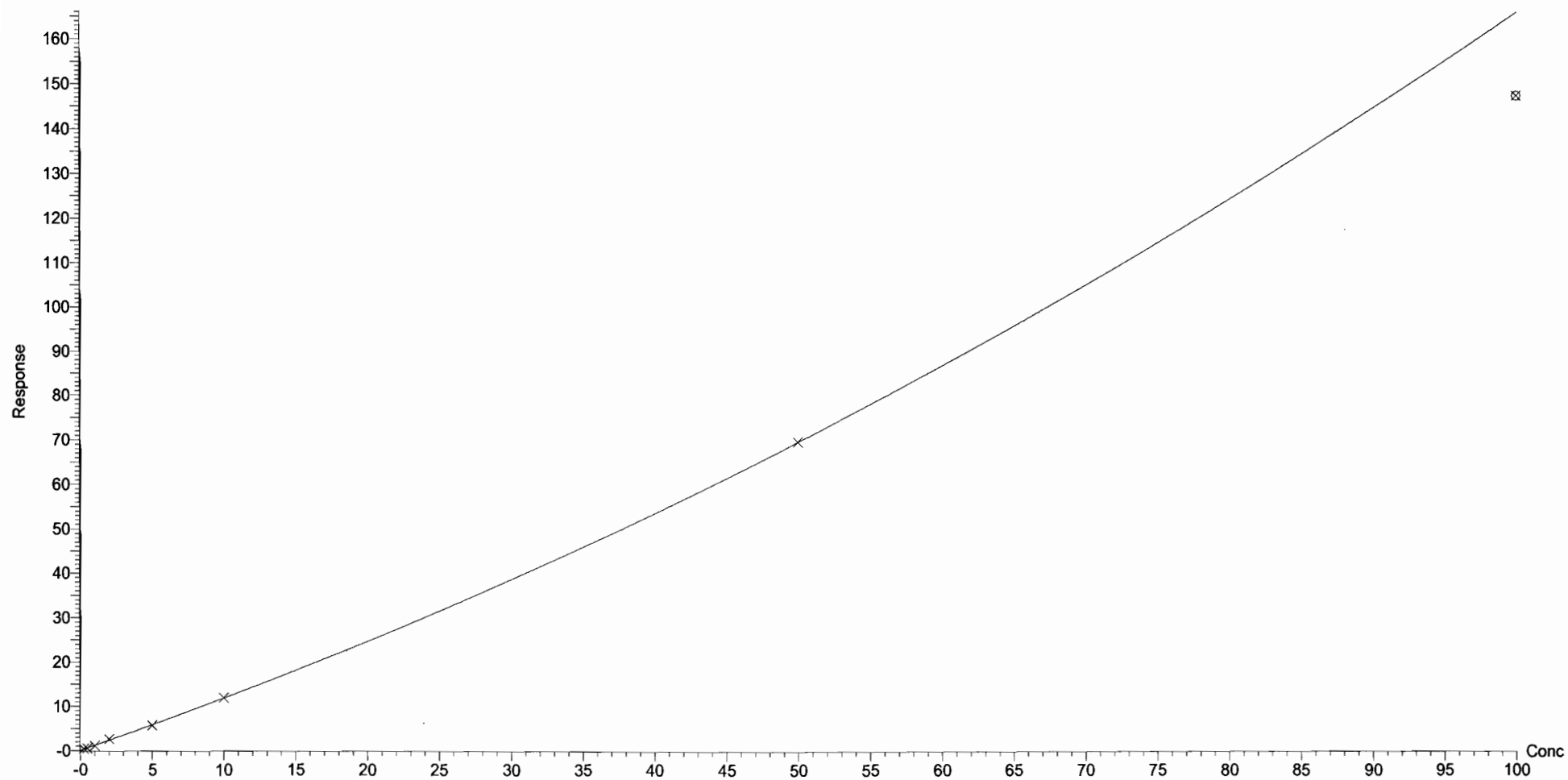
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999310$

Calibration curve: $0.00540399 * x^2 + 1.12028 * x + 0.108059$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:46:37 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:47:29 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

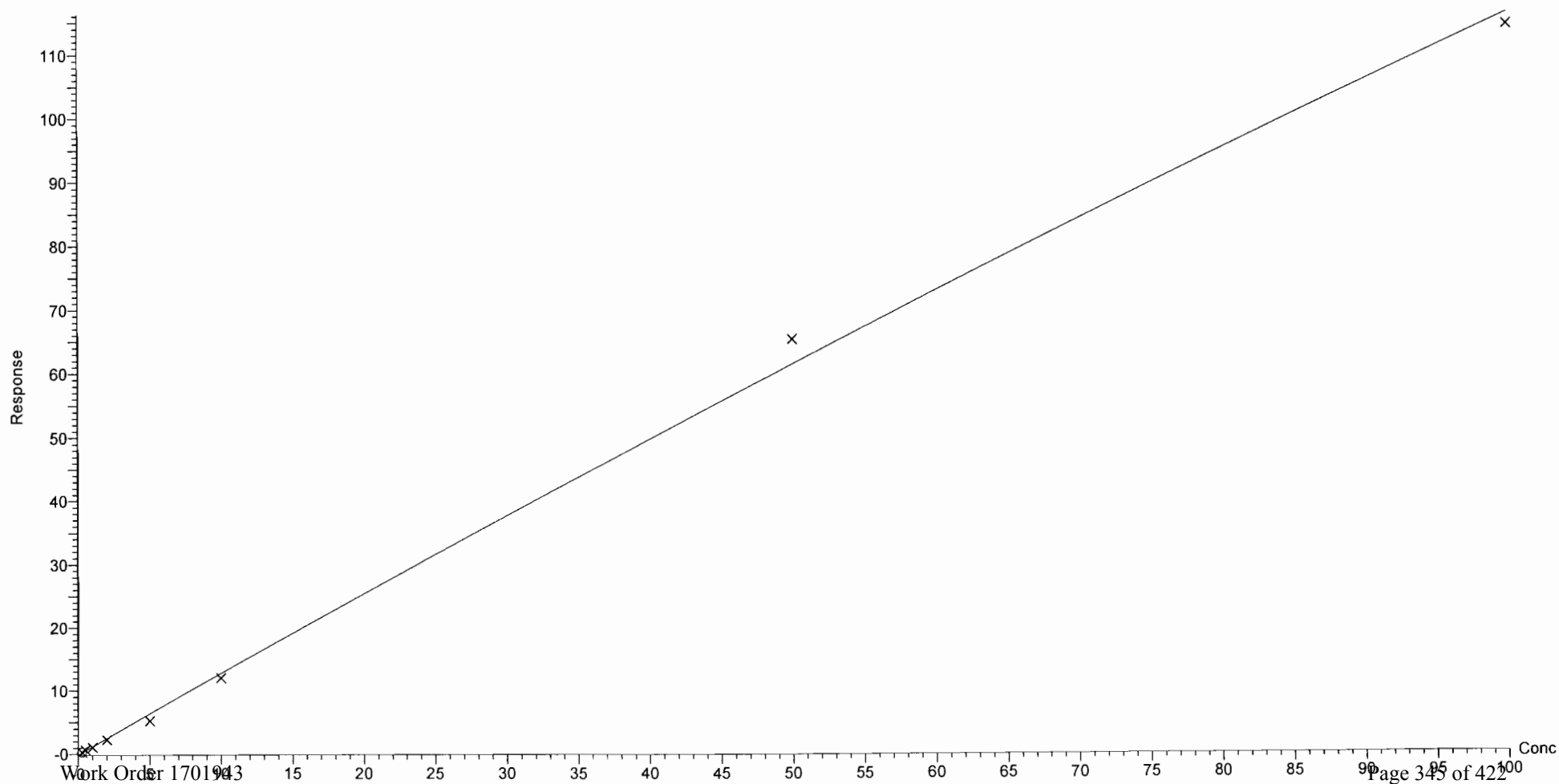
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.996695$

Calibration curve: $-0.00134849 * x^2 + 1.2979 * x + -0.114204$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

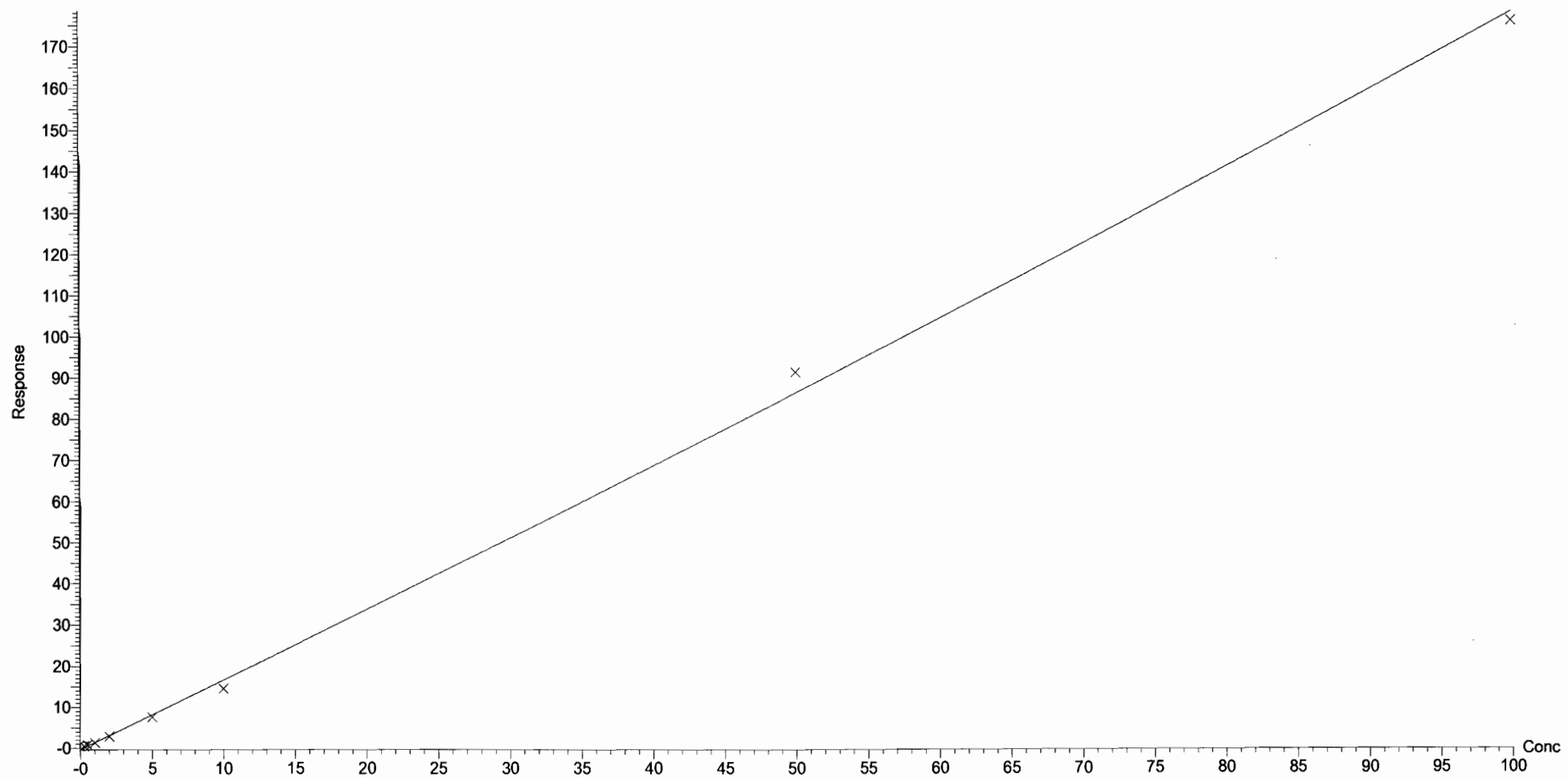
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.997594$

Calibration curve: $0.00111351 * x^2 + 1.67605 * x + -0.298586$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

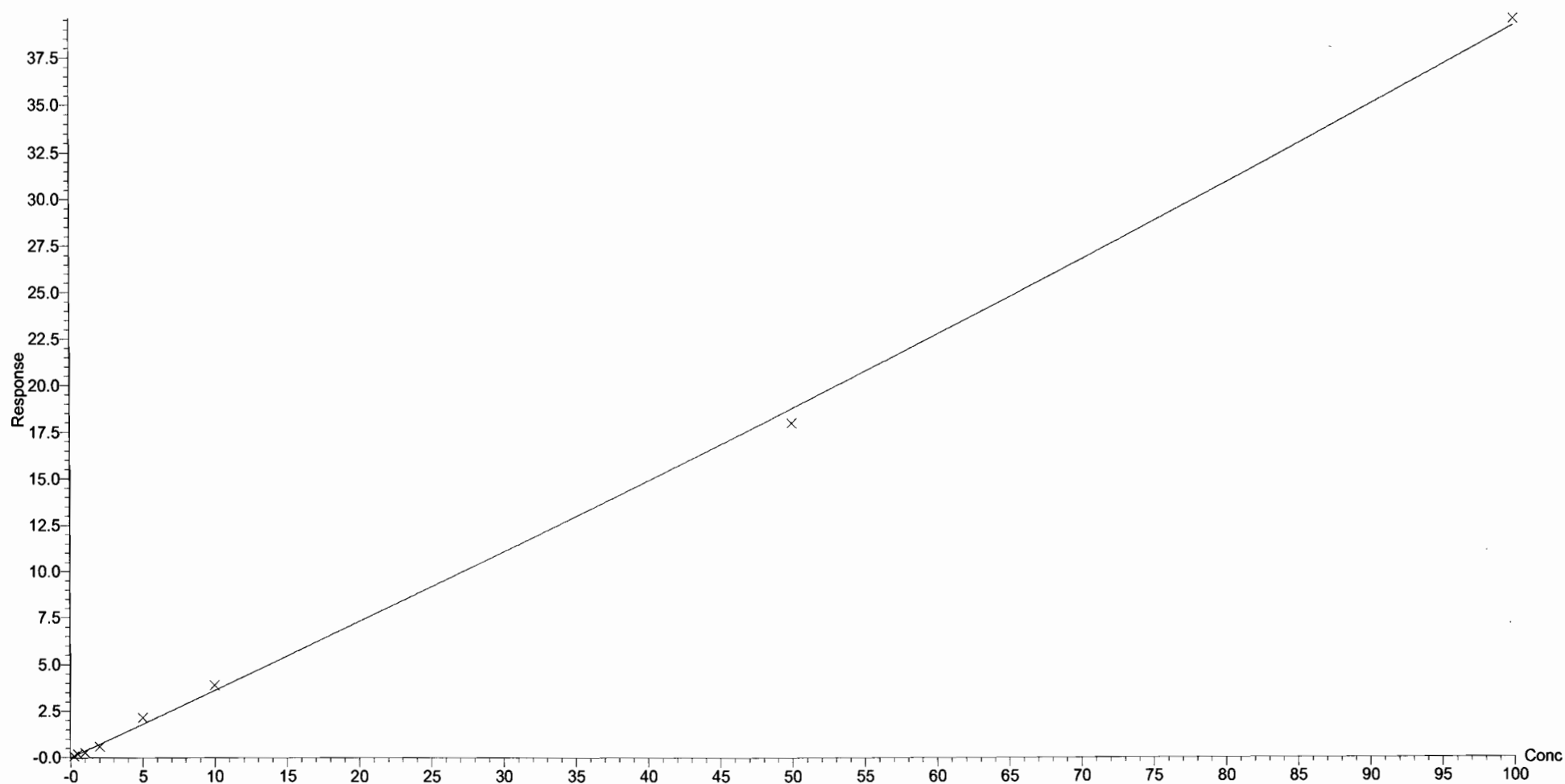
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.997475$

Calibration curve: $0.000346834 * x^2 + 0.357879 * x + -0.0189768$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

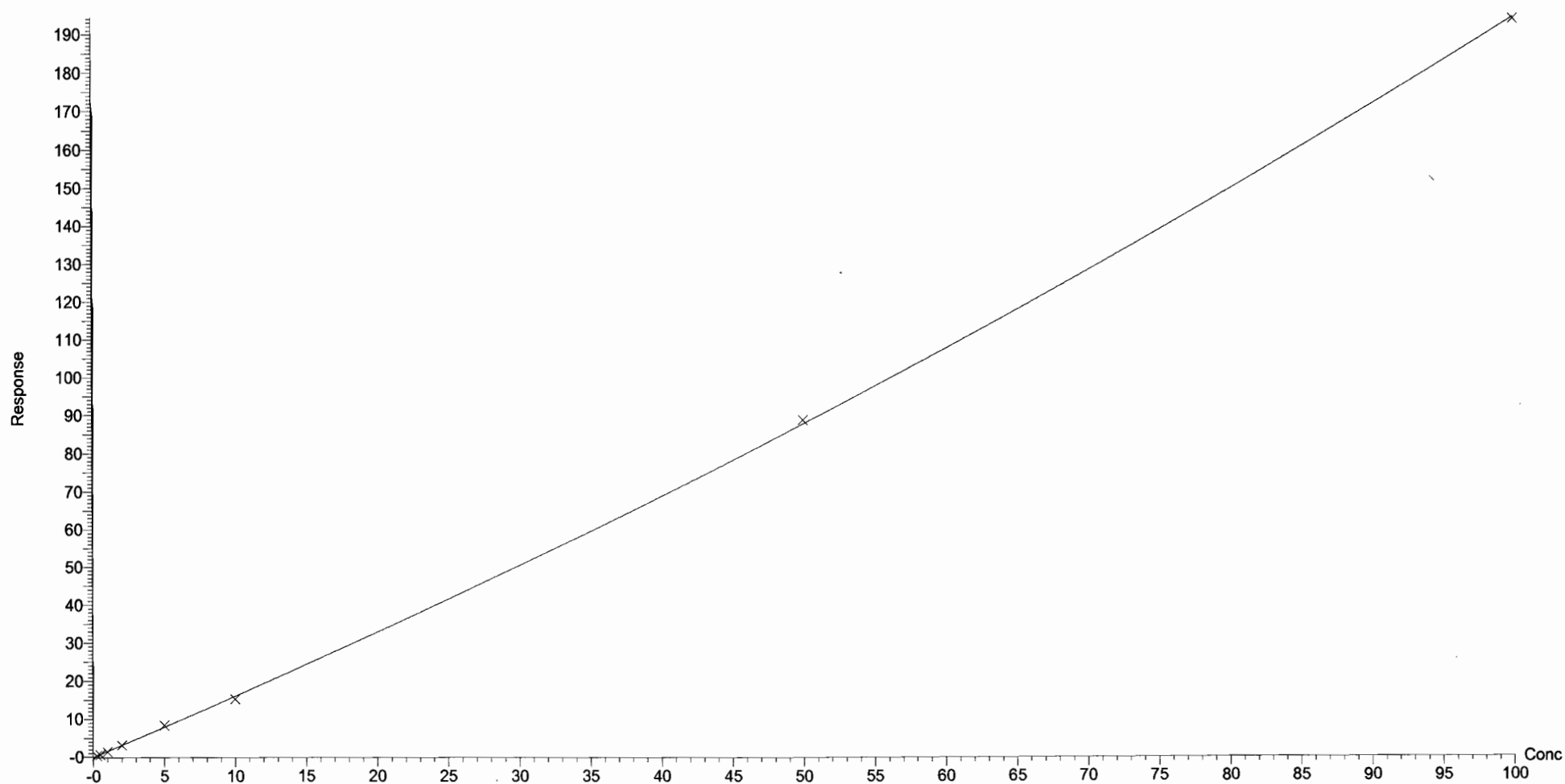
Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.999652$

Calibration curve: $0.00378022 * x^2 + 1.56644 * x + -0.06001$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

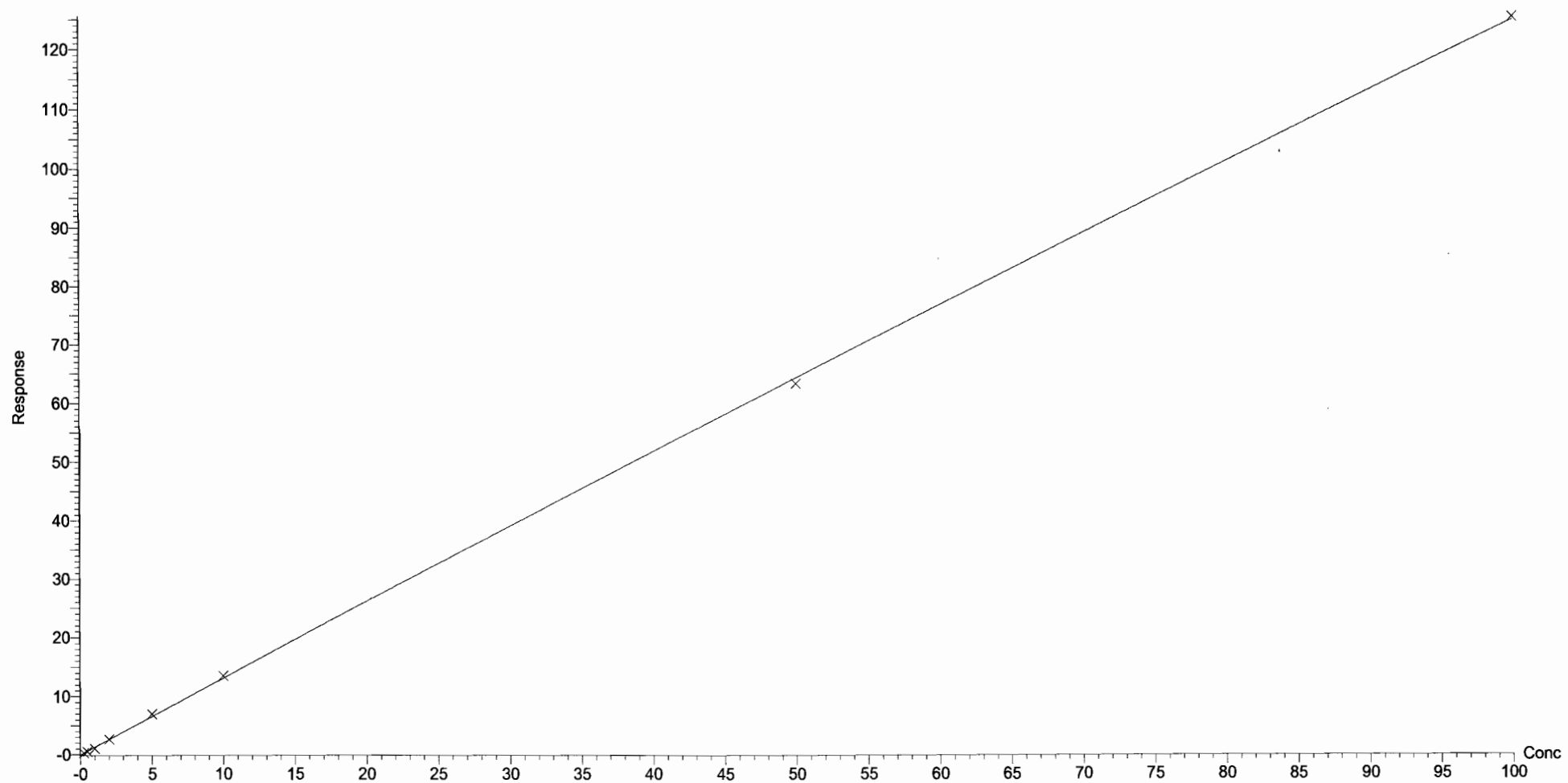
Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999425$

Calibration curve: $-0.000739055 * x^2 + 1.32527 * x + -0.0579014$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

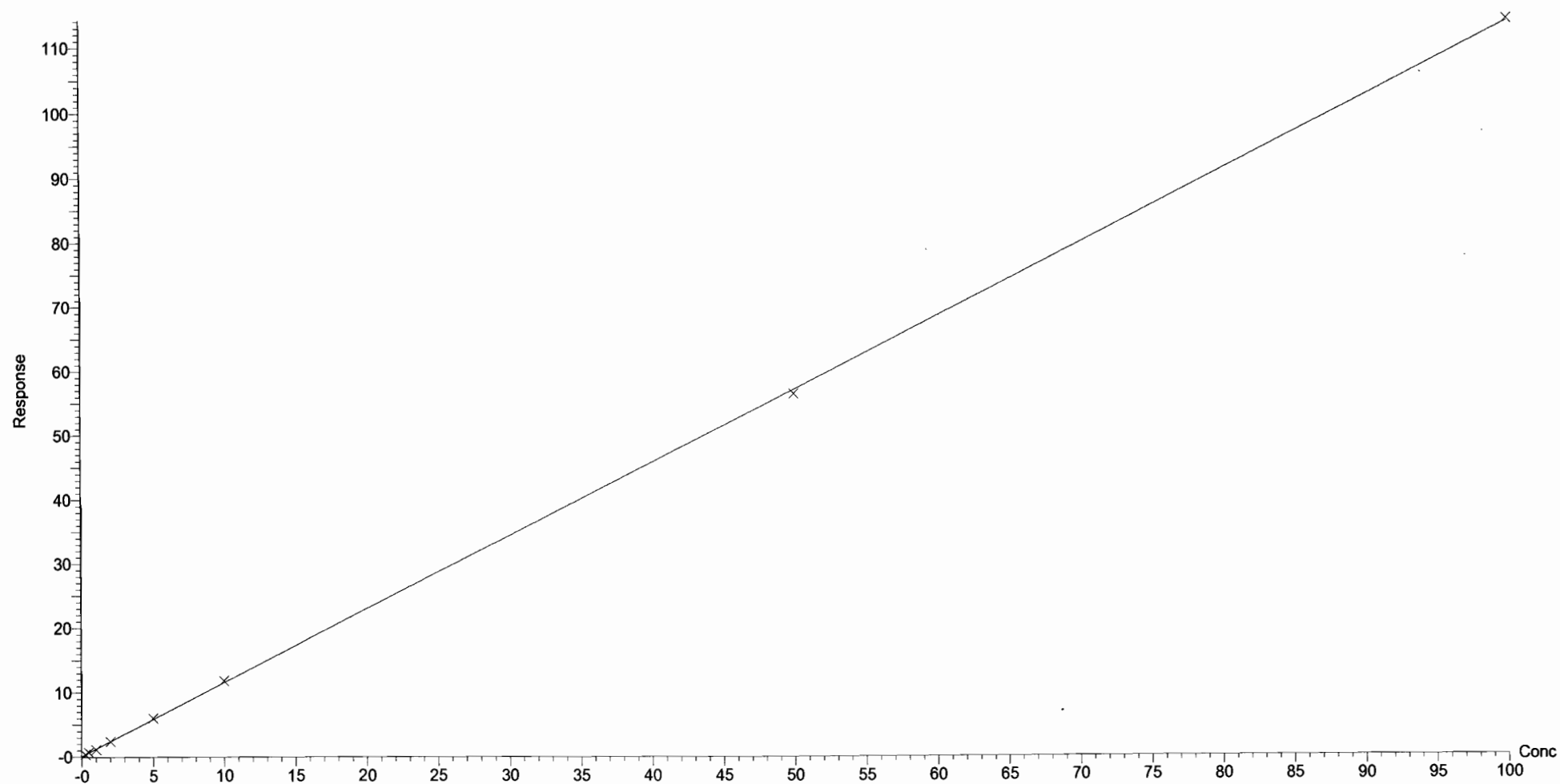
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.999814$

Calibration curve: $-6.41044e-005 * x^2 + 1.14422 * x + 0.0911568$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

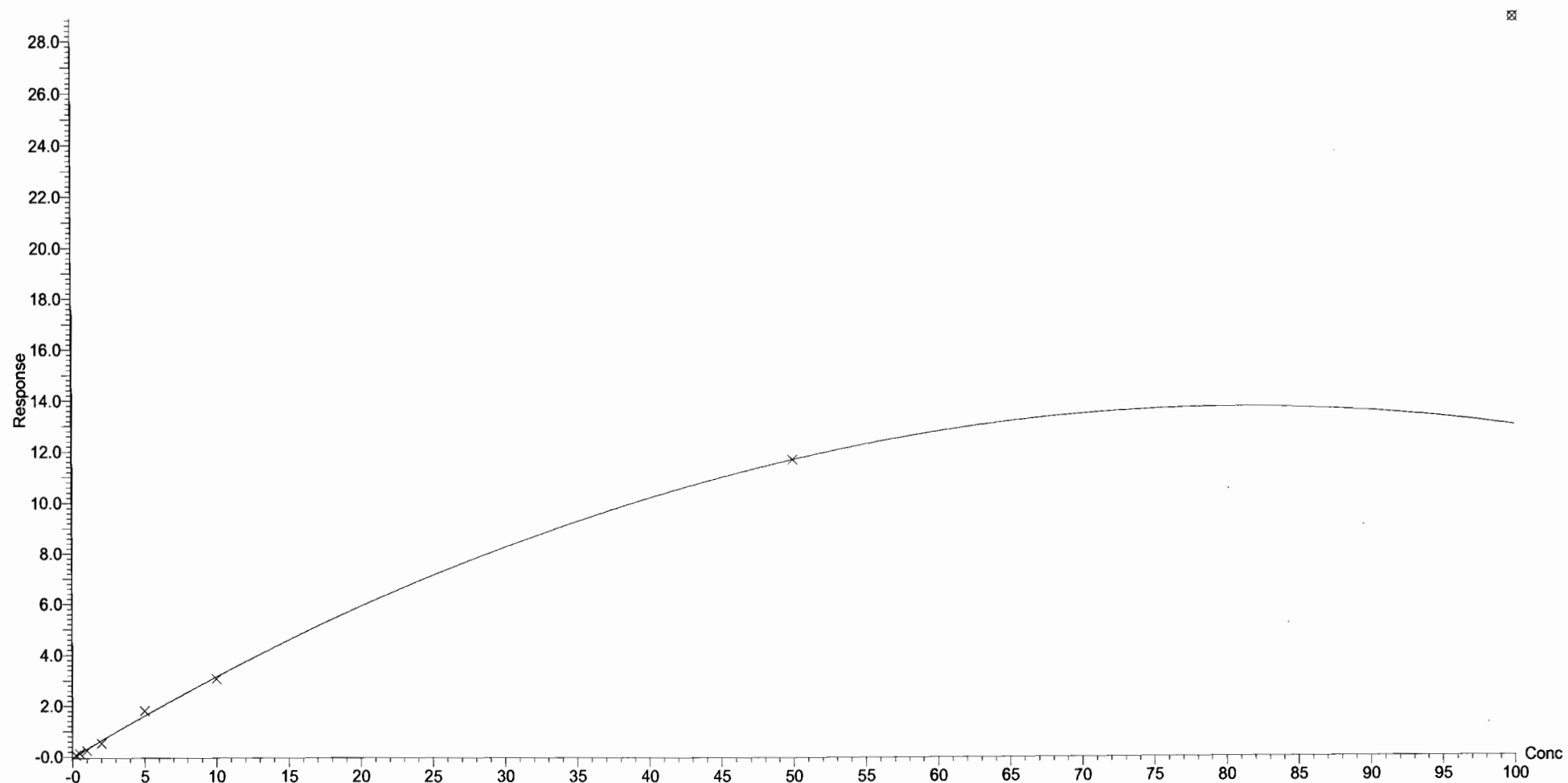
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.995645$

Calibration curve: $-0.00208251 * x^2 + 0.338053 * x + -0.0343255$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

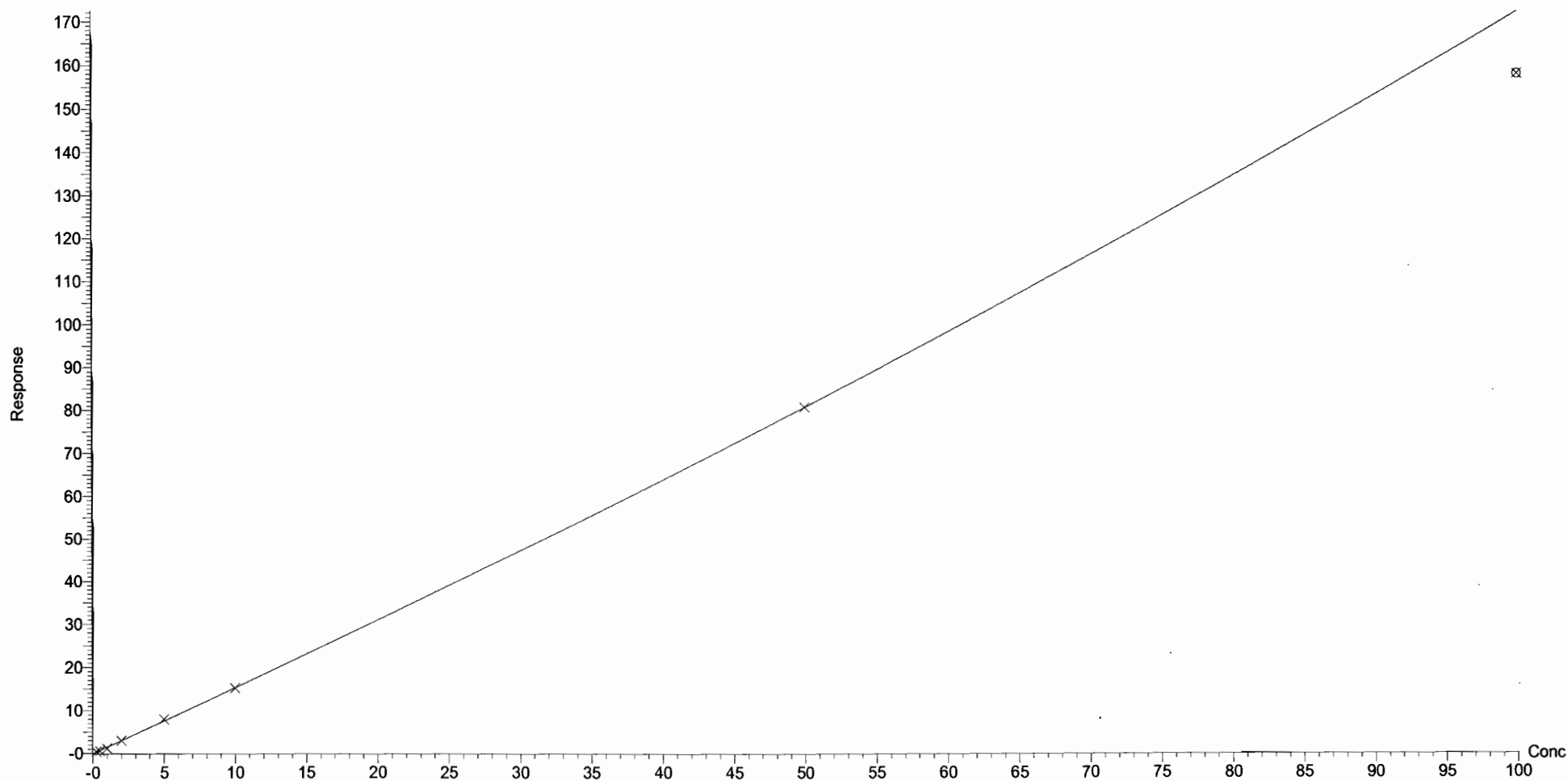
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.998836$

Calibration curve: $0.00218241 * x^2 + 1.50665 * x + -0.0562005$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

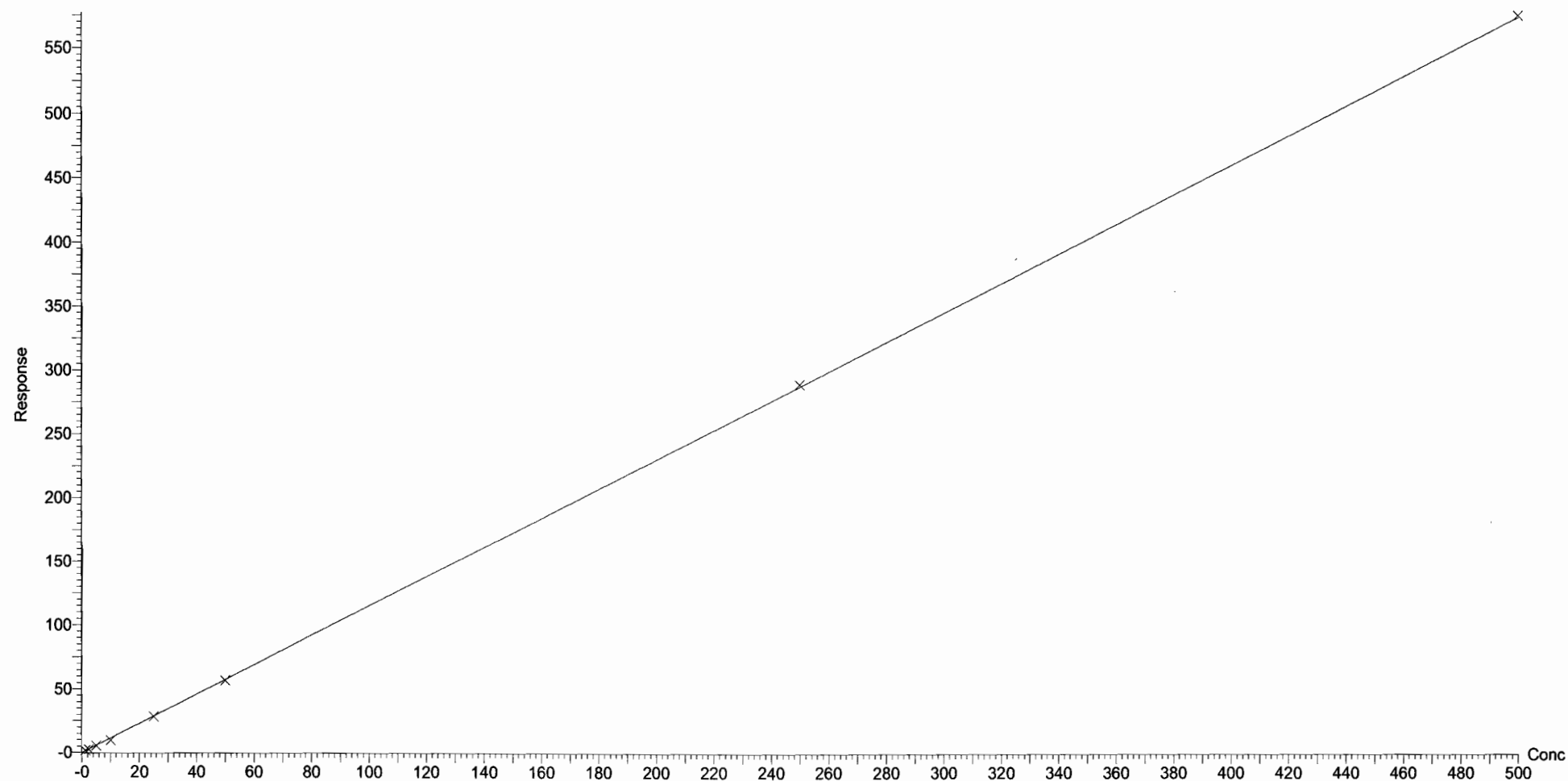
Compound name: N-MeFOSA

Correlation coefficient: $r = 0.999764$, $r^2 = 0.999529$

Calibration curve: $1.15109 * x + -0.214856$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

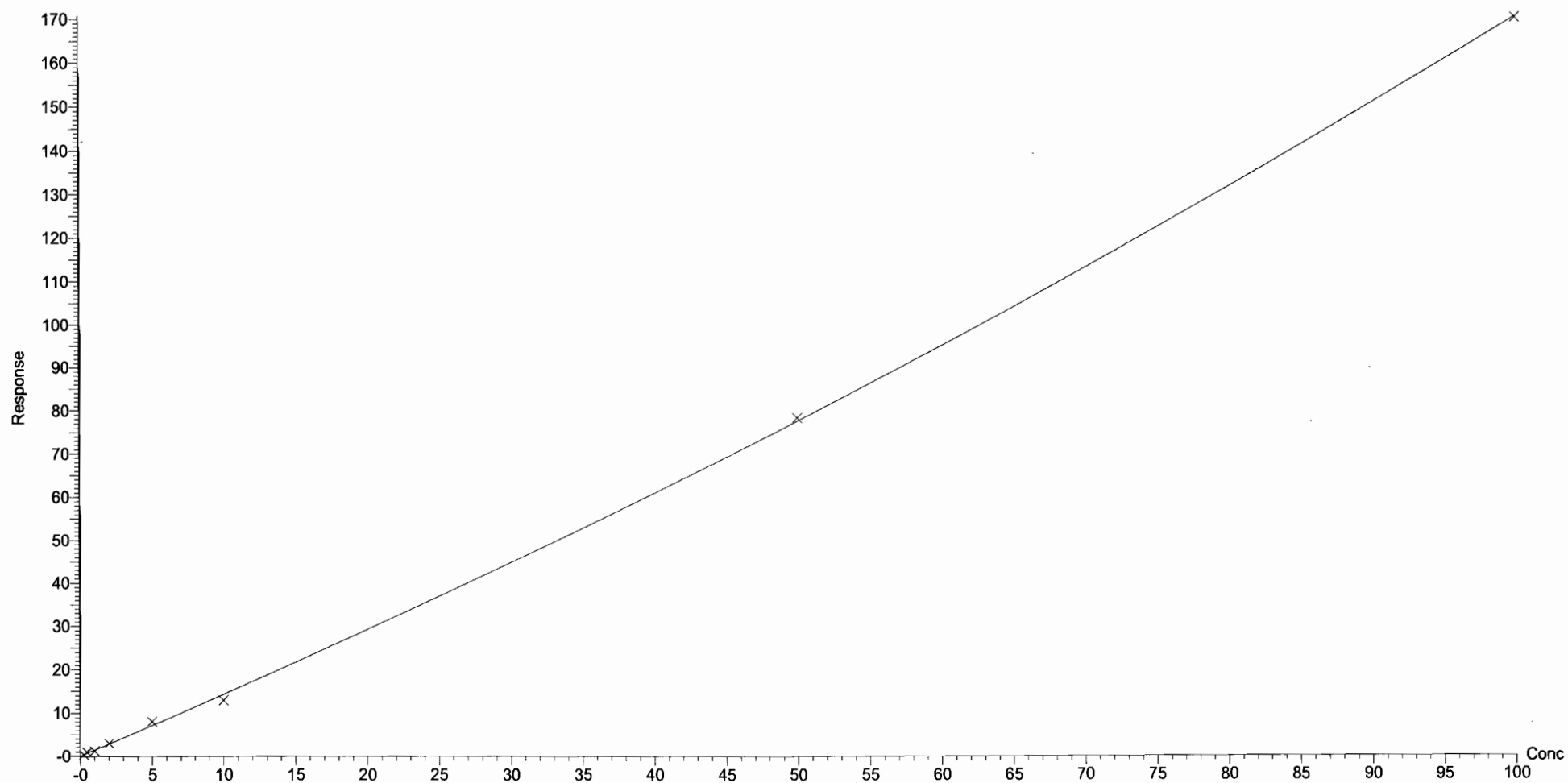
Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.998861$

Calibration curve: $0.0031192 * x^2 + 1.39506 * x + 0.0280022$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

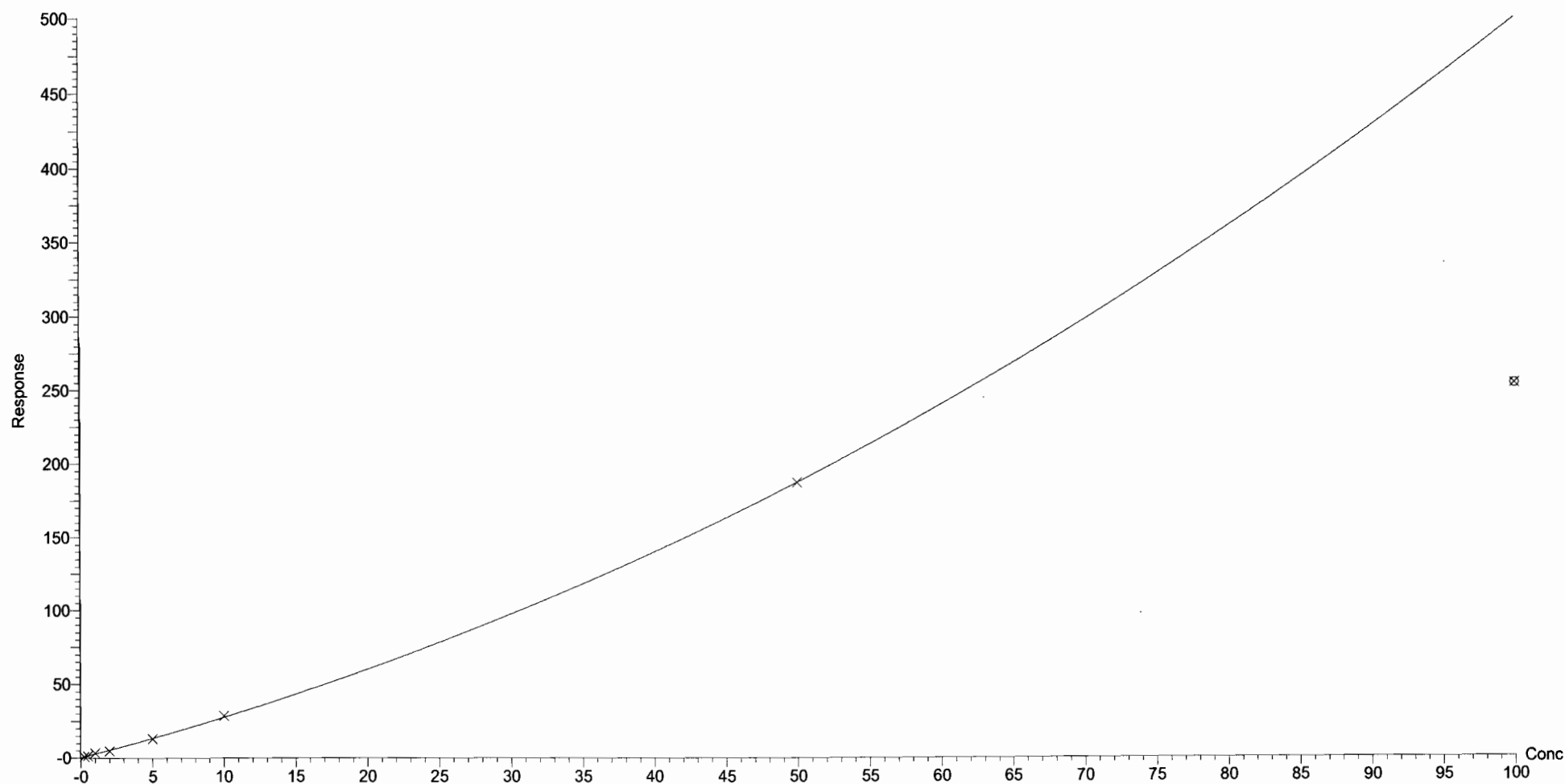
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999178$

Calibration curve: $0.0252471 * x^2 + 2.47541 * x + 0.208919$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

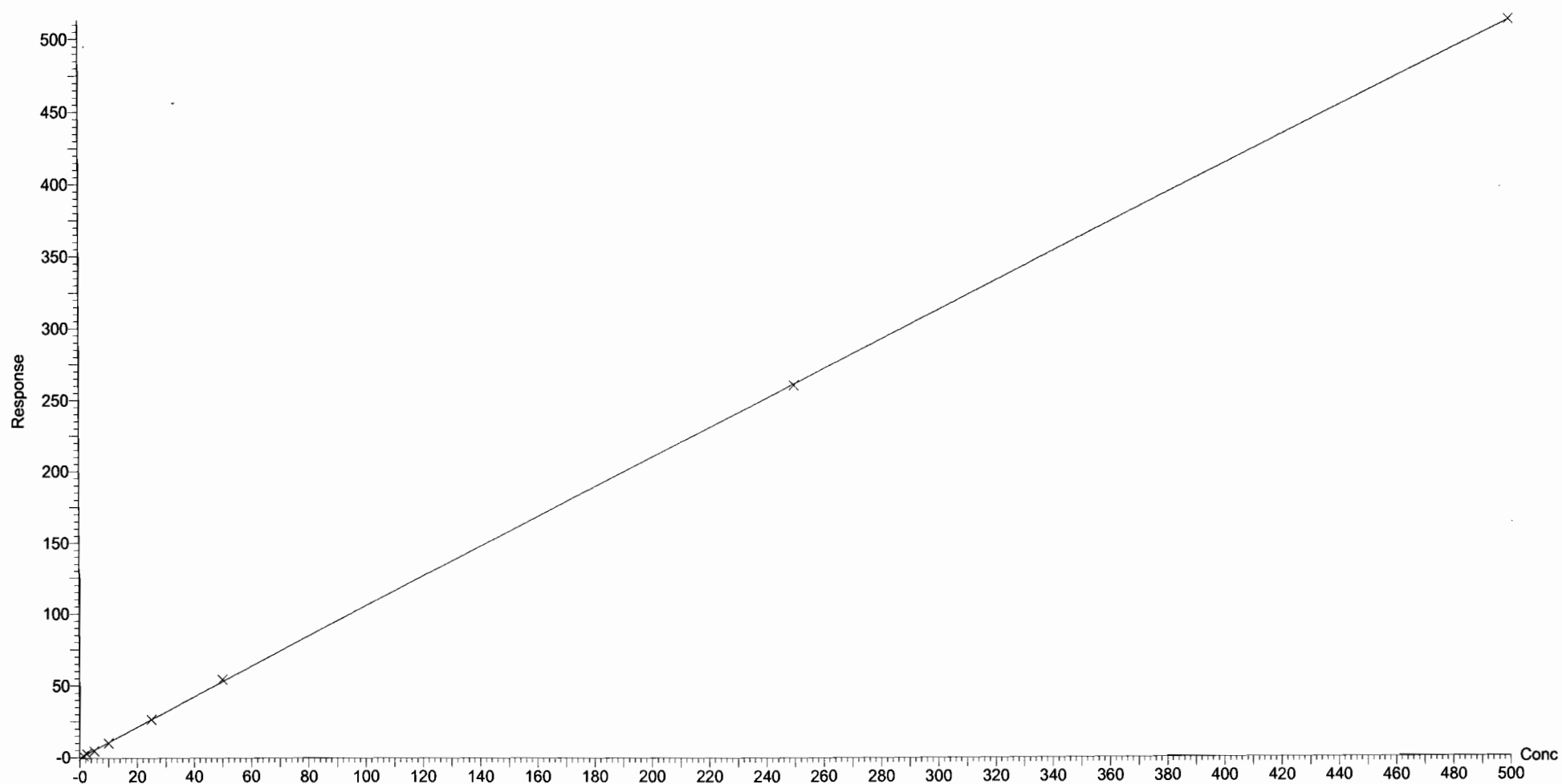
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999799$

Calibration curve: $-7.56946e-005 * x^2 + 1.06415 * x + -0.388028$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

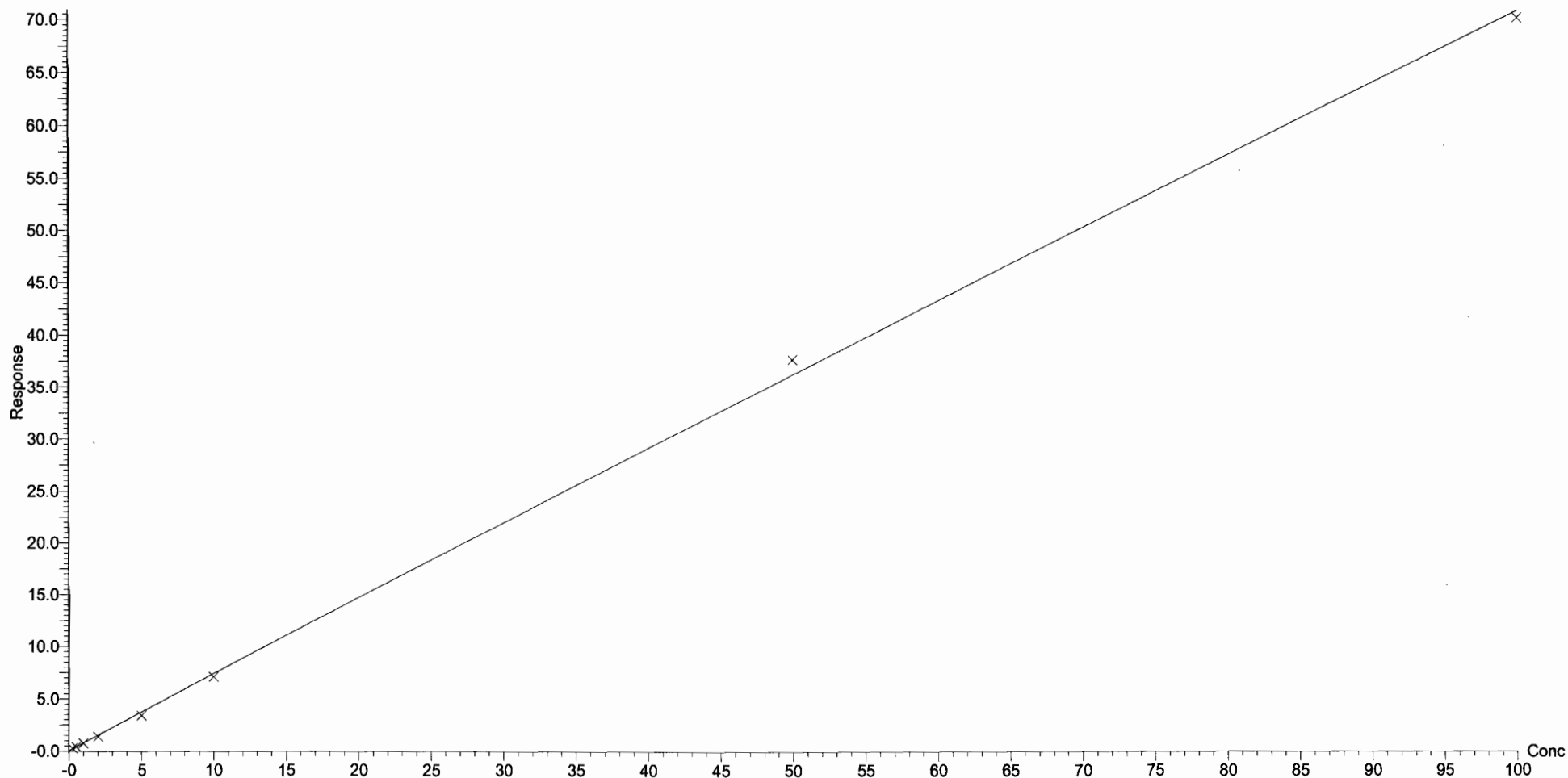
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998856$

Calibration curve: $-0.000303396 * x^2 + 0.739048 * x + 0.0394984$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:27:18 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:30:34 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:27:18

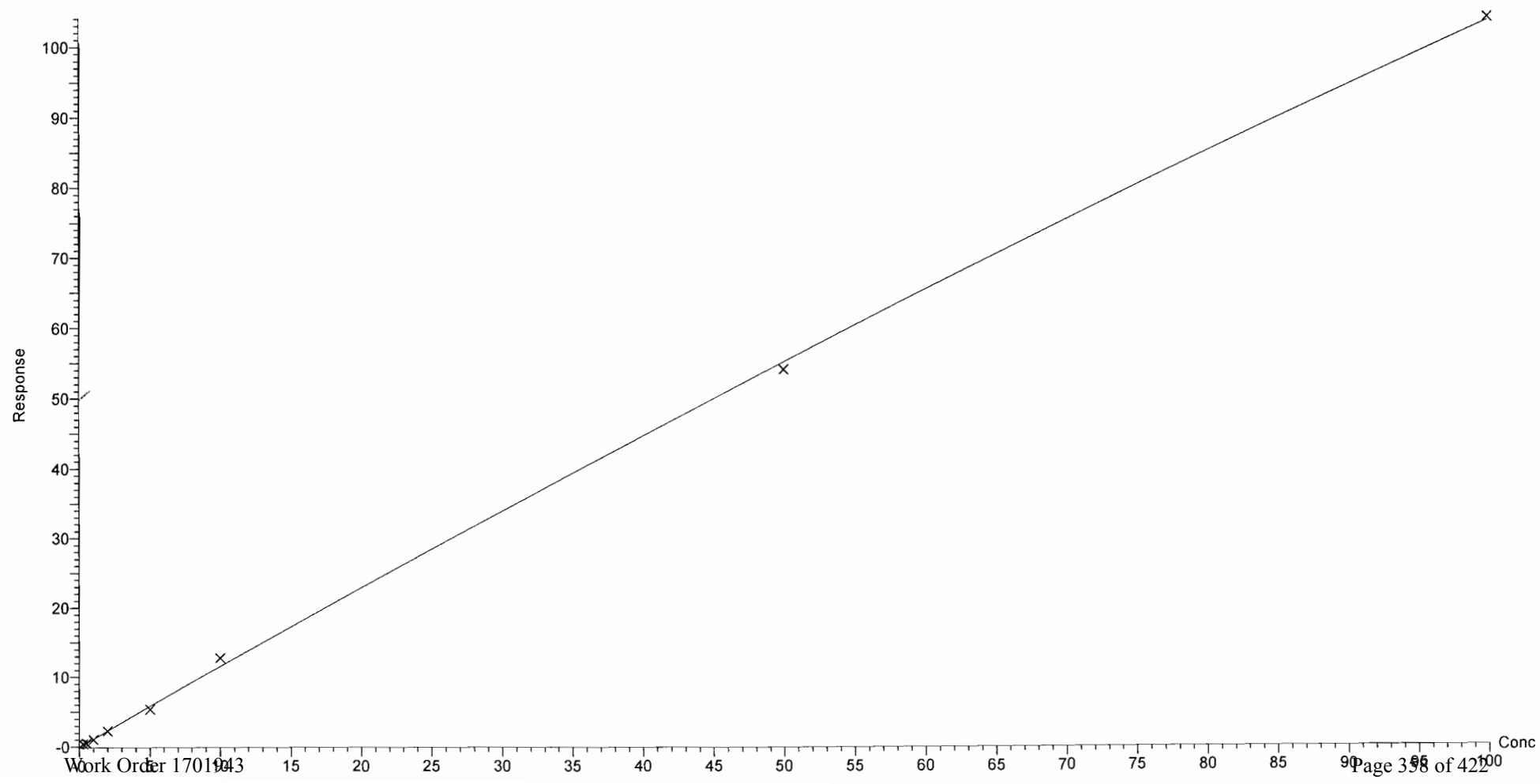
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998731$

Calibration curve: $-0.00135252 * x^2 + 1.17153 * x + -0.0475142$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

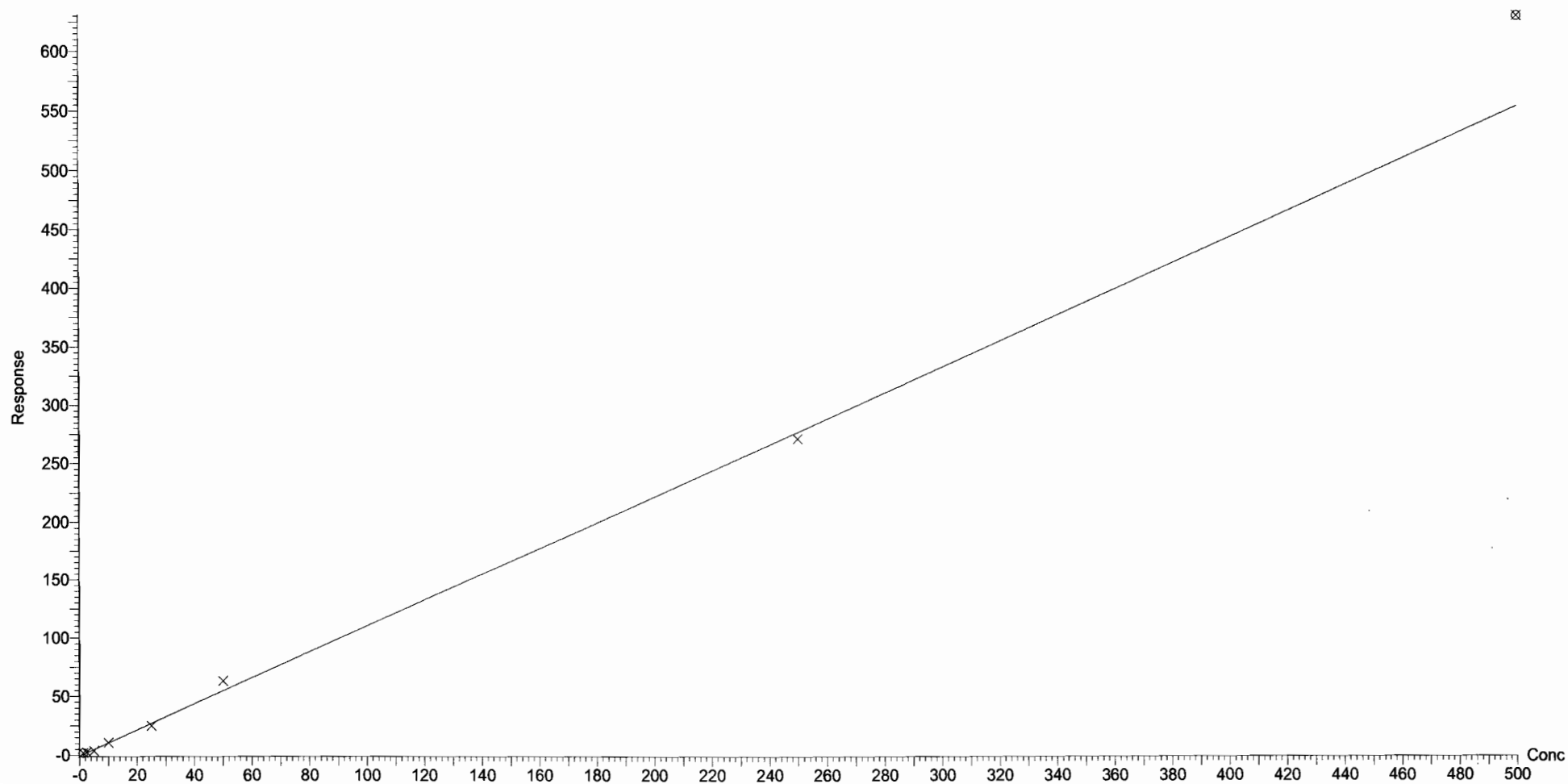
Compound name: N-MeFOSE

Correlation coefficient: $r = 0.997318$, $r^2 = 0.994643$

Calibration curve: $1.11054 * x + -0.683826$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:22:51 Pacific Standard Time

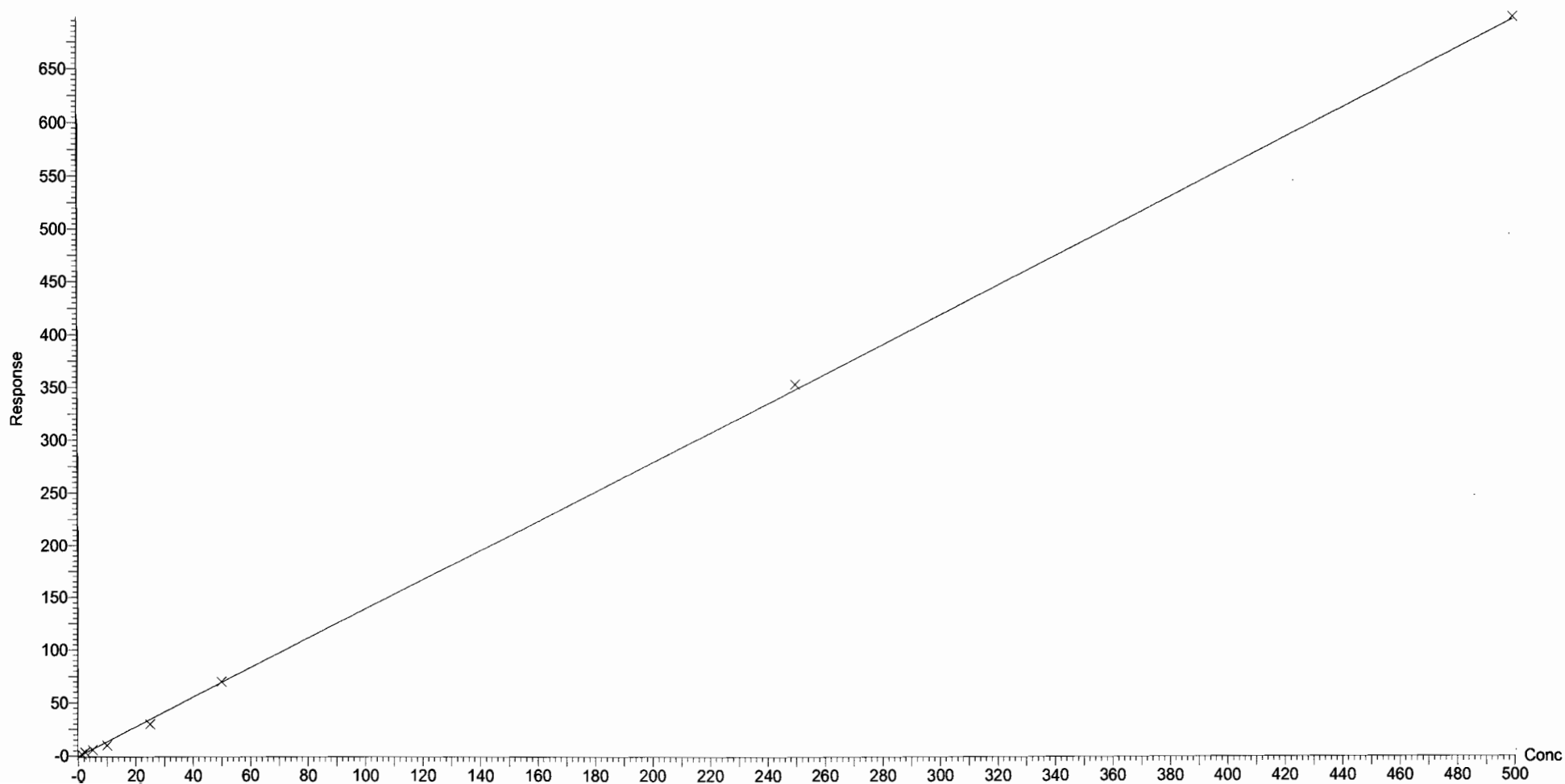
Compound name: N-EtFOSE

Correlation coefficient: $r = 0.999225$, $r^2 = 0.998452$

Calibration curve: $1.394 * x + -0.662445$

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\171230M3\171230M3-CRV.qld

Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

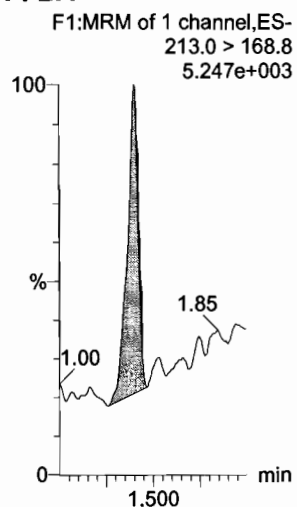
Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

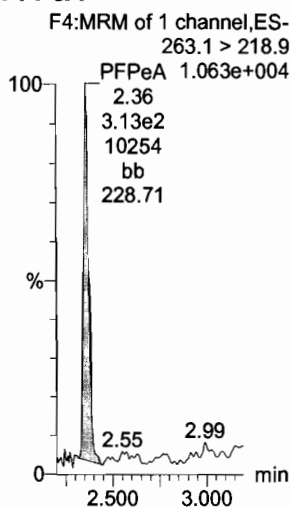
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:16:44

Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

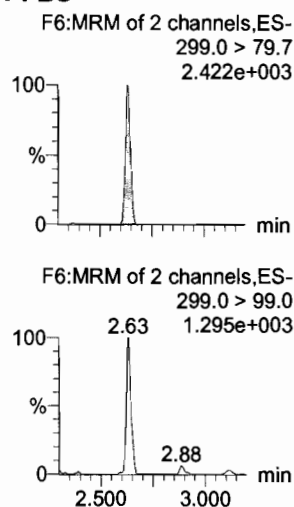
PFBA



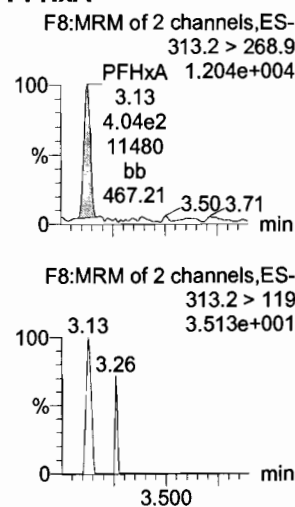
PFPeA



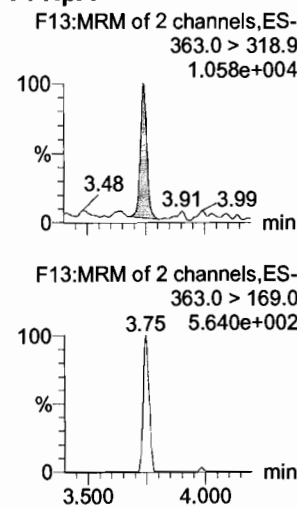
PFBS



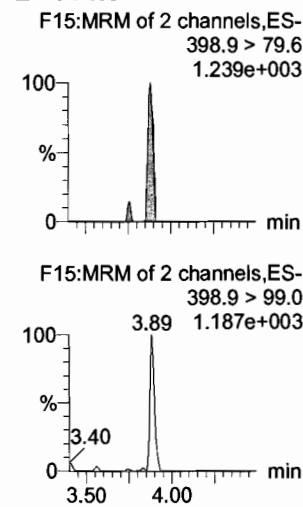
PFHxA



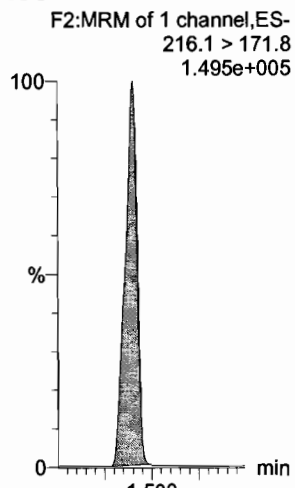
PFHpA



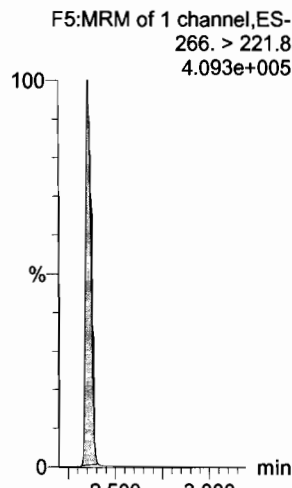
L-PFHxS



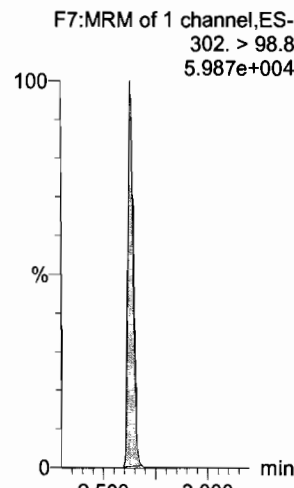
13C3-PFBA



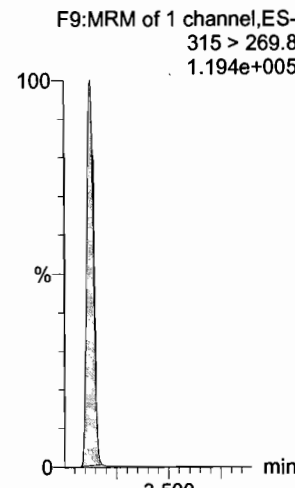
13C3-PFPeA



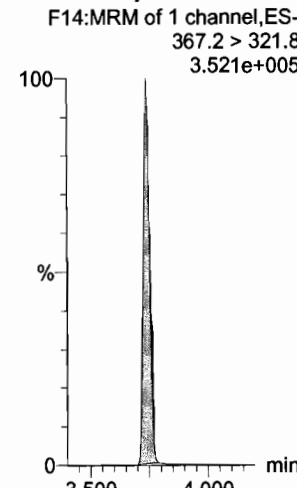
13C3-PFBS



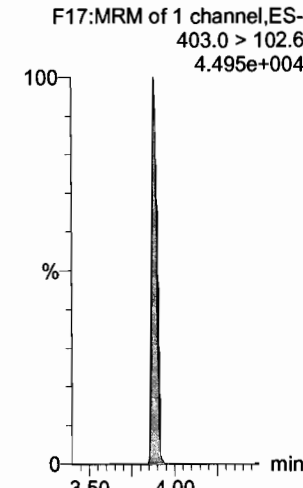
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



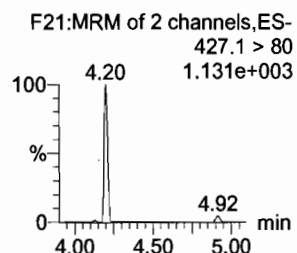
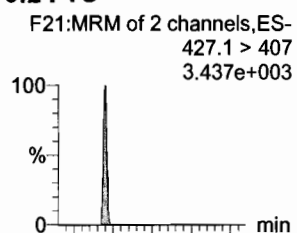
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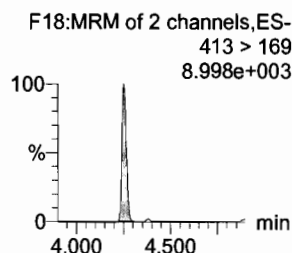
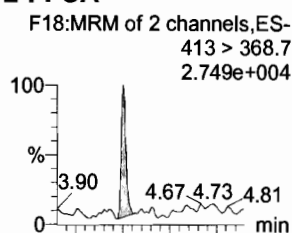
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Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

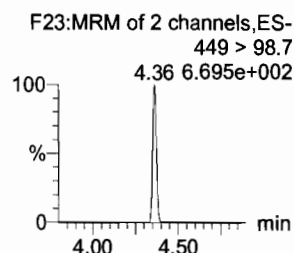
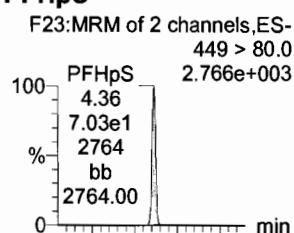
6:2 FTS



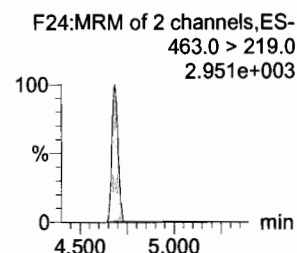
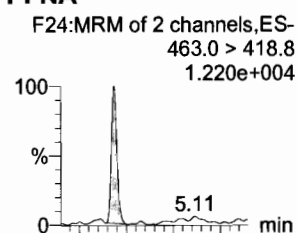
L-PFOA



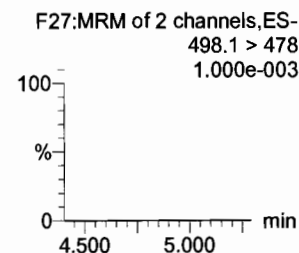
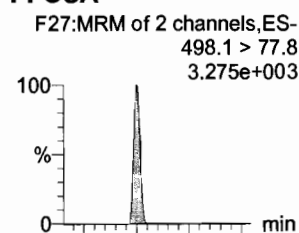
PFHpS



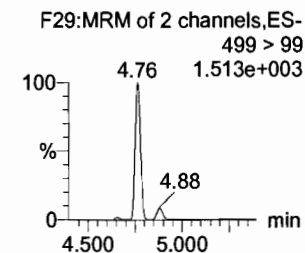
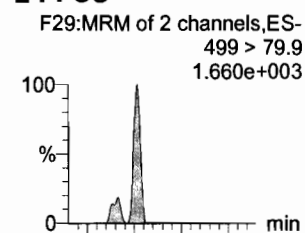
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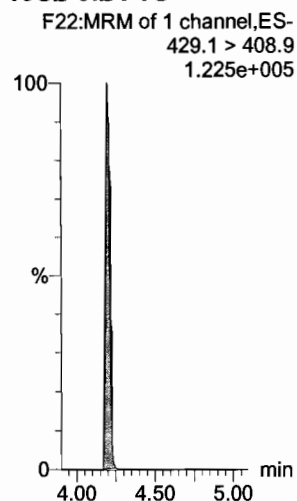
PFOSA



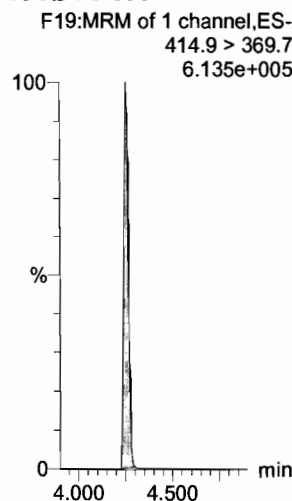
L-PFOS



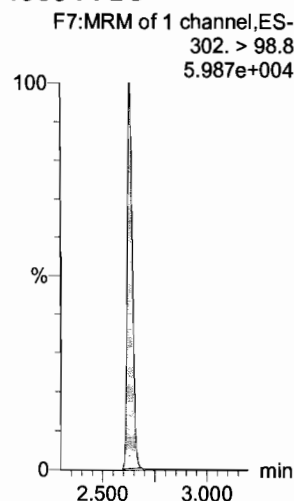
13C2-6:2 FTS



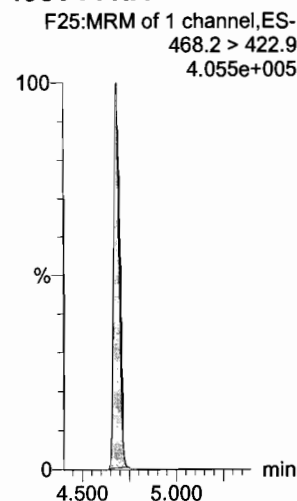
13C2-PFOA



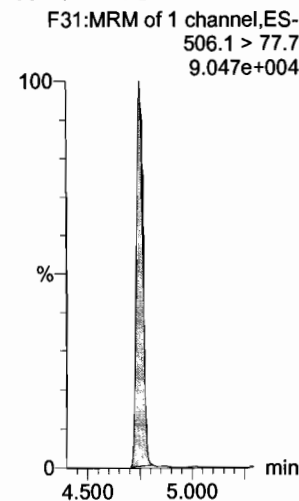
13C3-PFBs



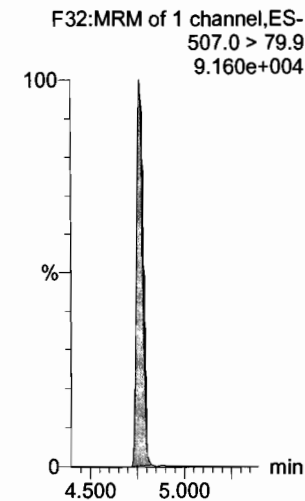
13C5-PFNA



13C8-PFOSA



13C8-PFOS



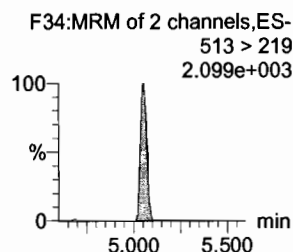
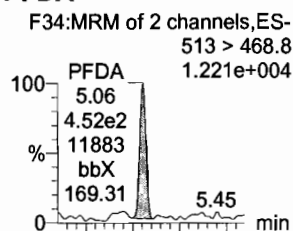
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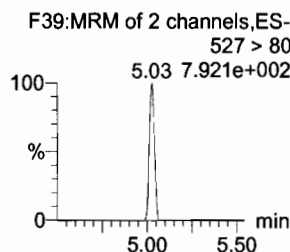
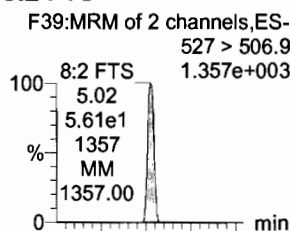
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Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

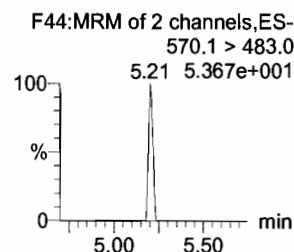
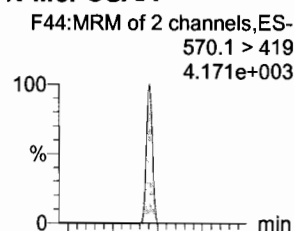
PFDA



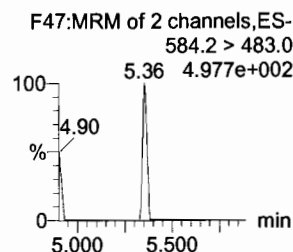
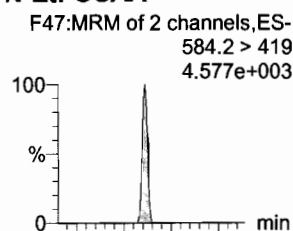
8:2 FTS



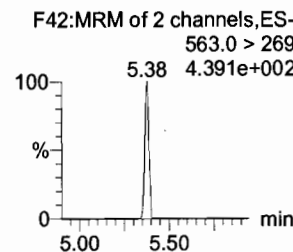
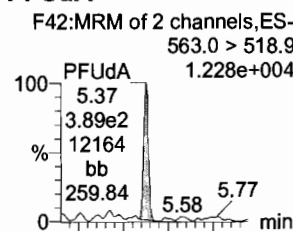
N-MeFOSAA



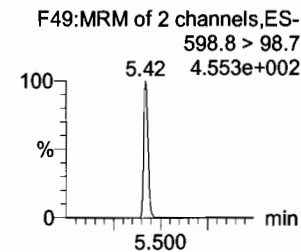
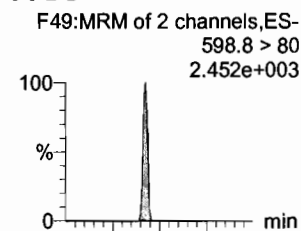
N-EtFOSAA



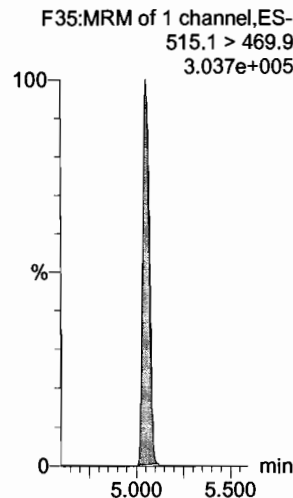
PFUdA



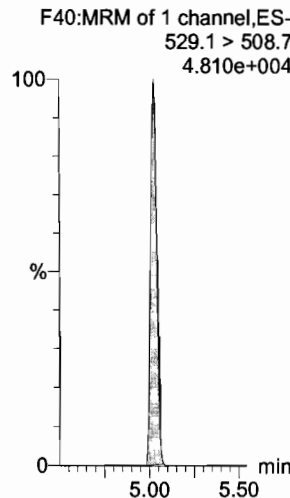
PFDS



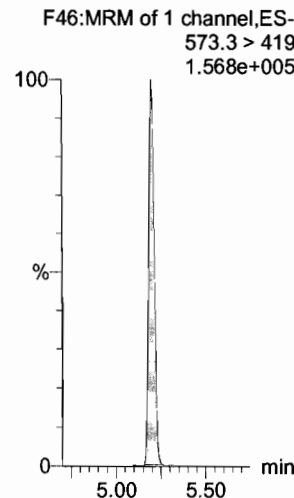
13C2-PFDA



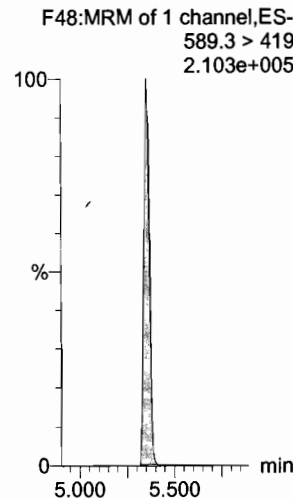
13C2-8:2 FTS



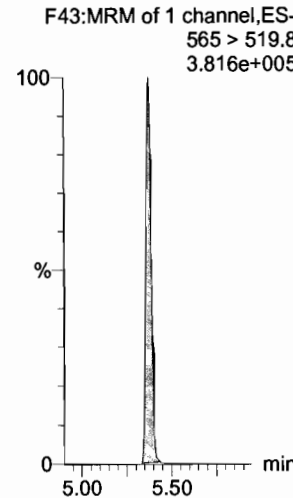
d3-N-MeFOSAA



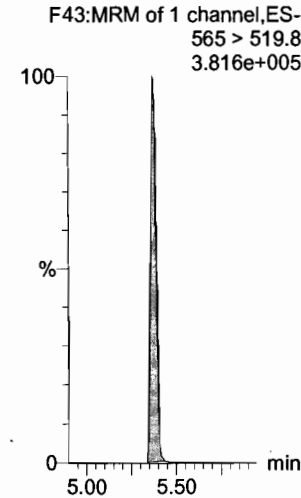
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



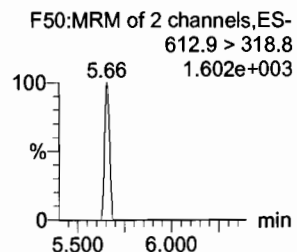
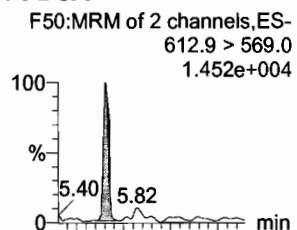
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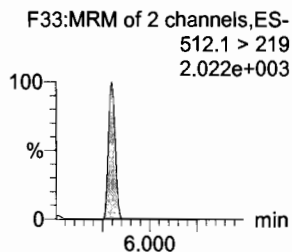
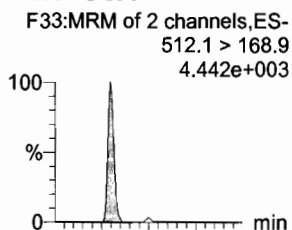
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Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

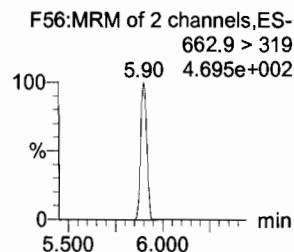
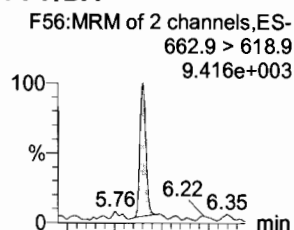
PFDaA



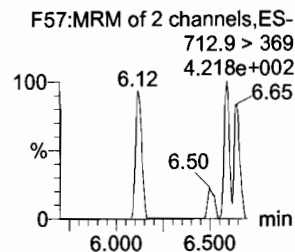
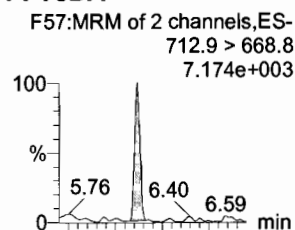
N-MeFOSA



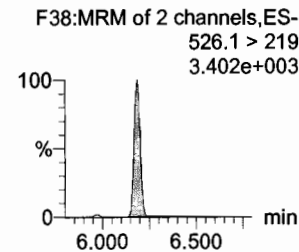
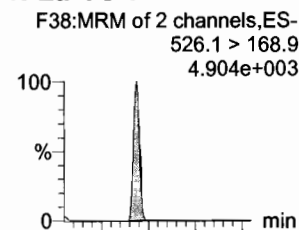
PFTrDA



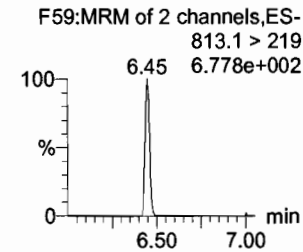
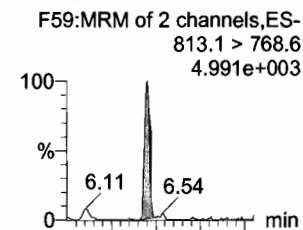
PFTeDA



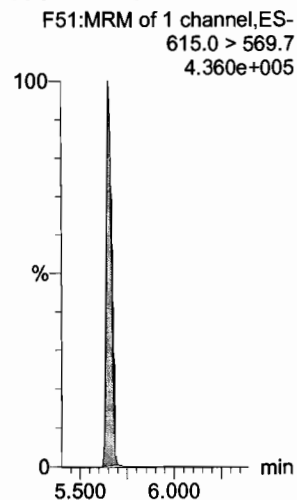
N-EtFOSA



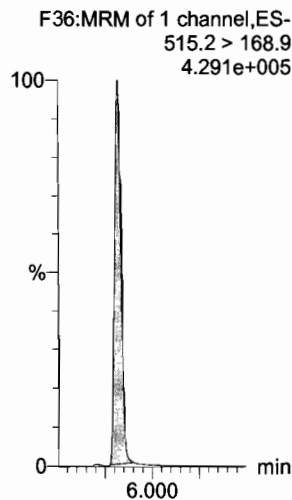
PFHxDA



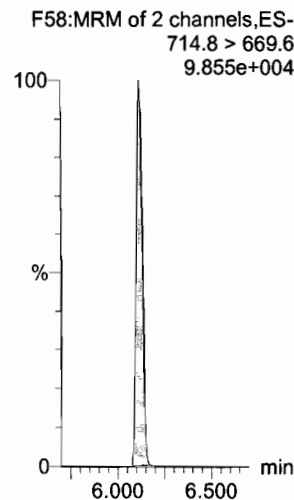
13C2-PFDaA



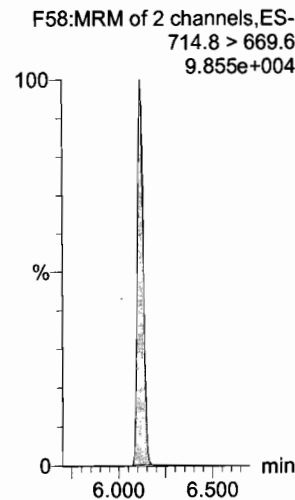
d3-N-MeFOSA



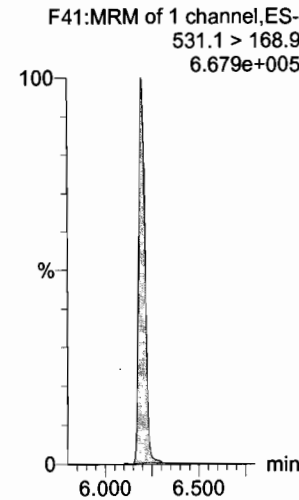
13C2-PFTeDA



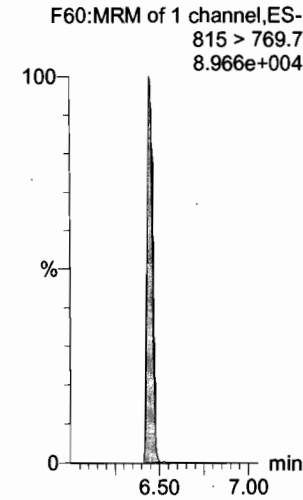
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

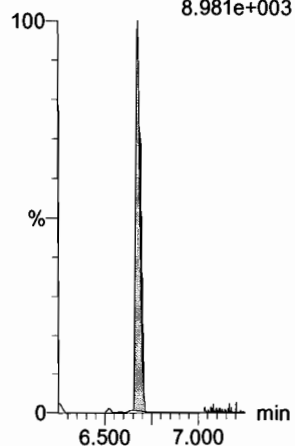
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

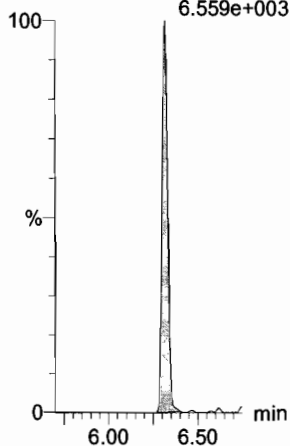
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
8.981e+003



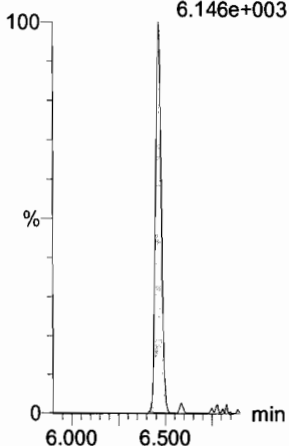
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
6.559e+003



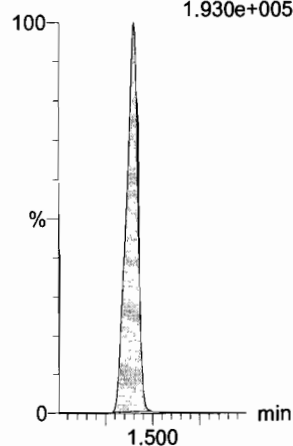
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
6.146e+003



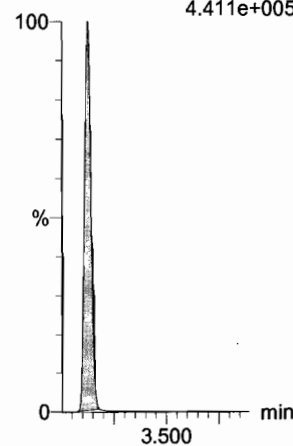
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.930e+005



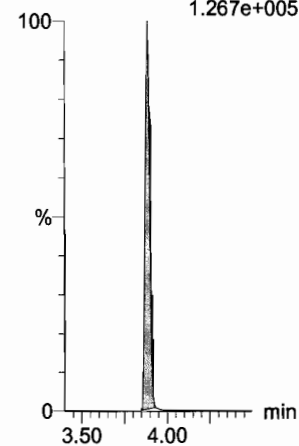
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.411e+005



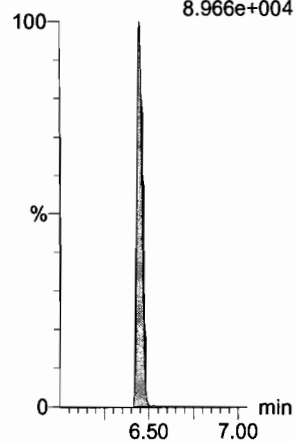
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.267e+005



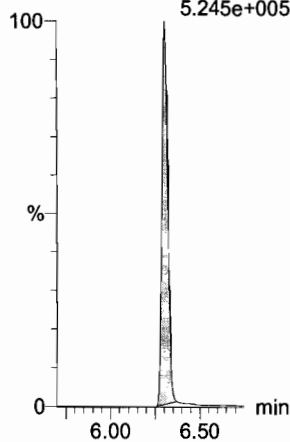
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
8.966e+004



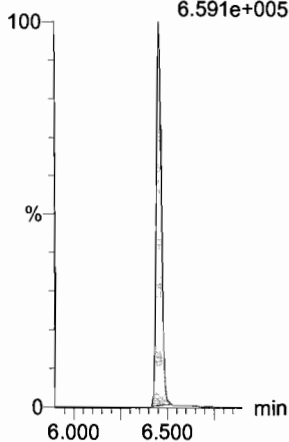
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.245e+005



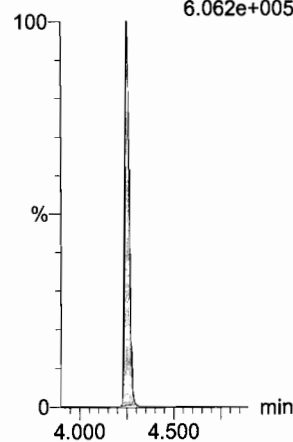
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.591e+005



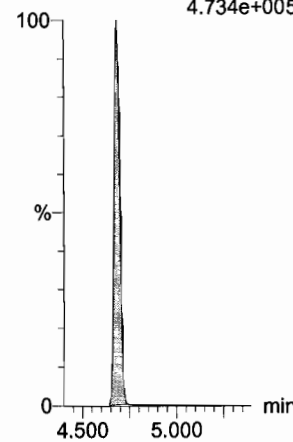
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
6.062e+005



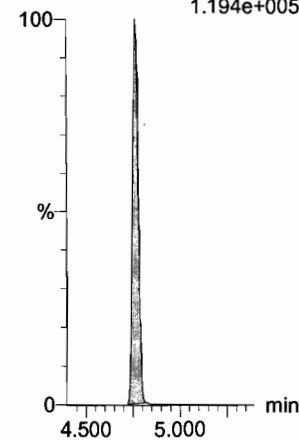
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.734e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.194e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

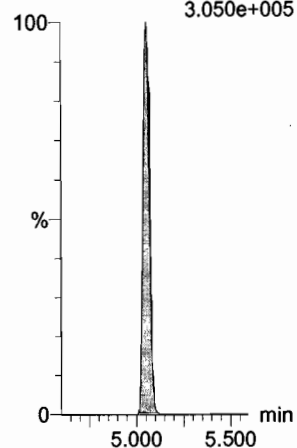
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_2, Date: 30-Dec-2017, Time: 22:55:42, ID: ST171230M3-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

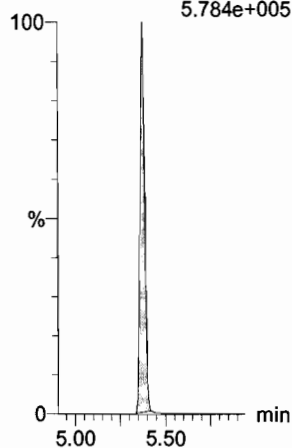
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.050e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.784e+005



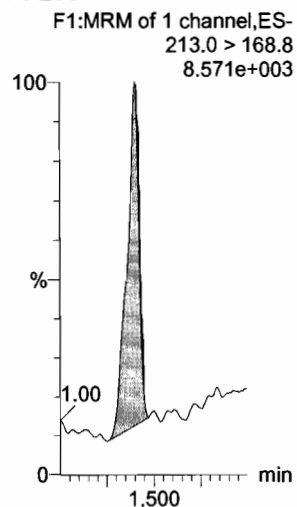
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Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

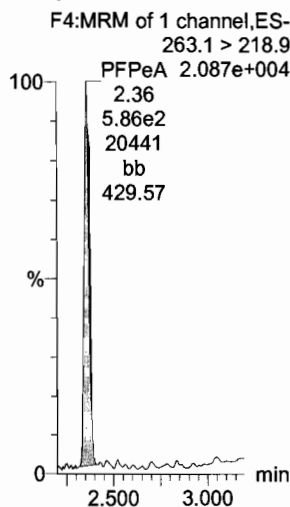
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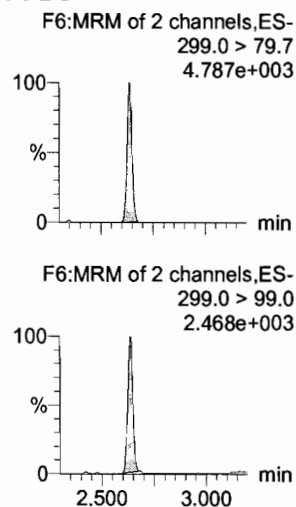
PFBA



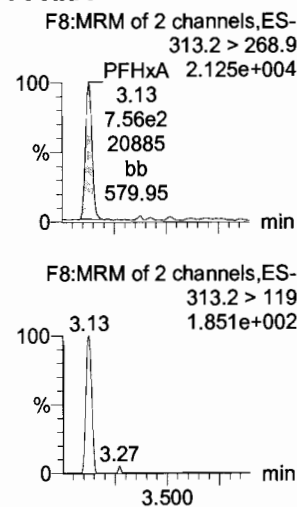
PFPeA



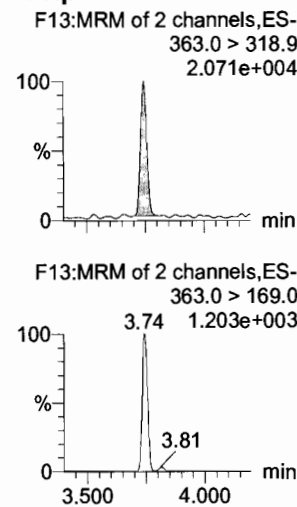
PFBS



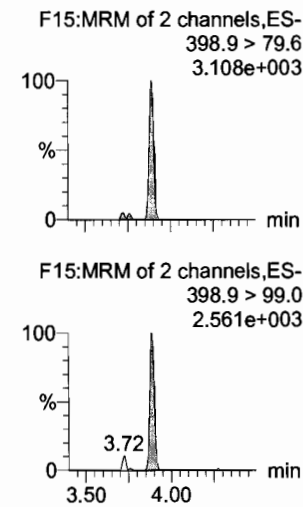
PFHxA



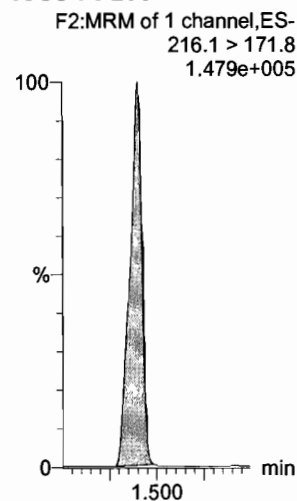
PFHpA



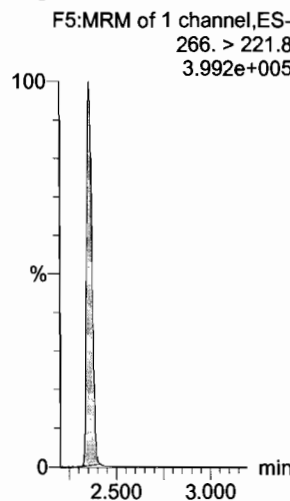
L-PFHxS



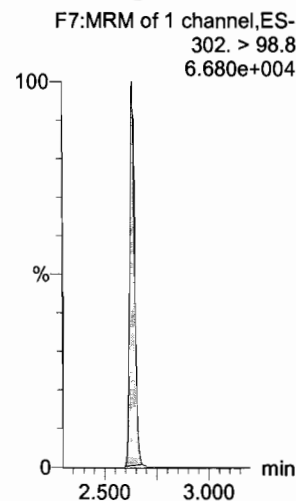
13C3-PFBA



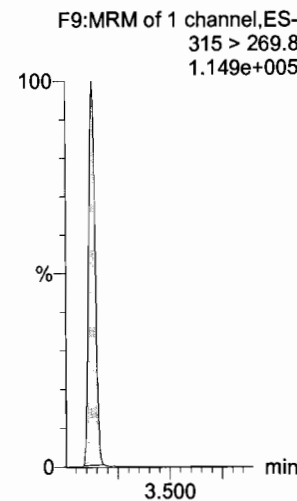
13C3-PFPeA



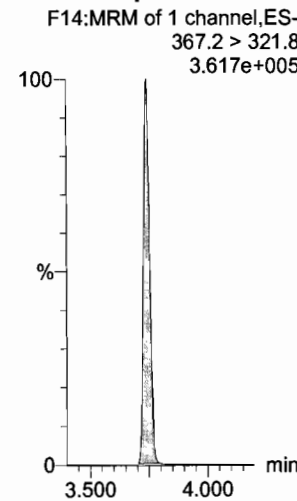
13C3-PFBS



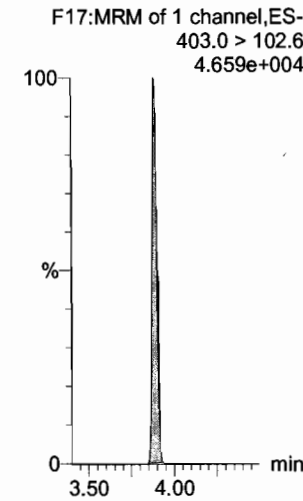
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

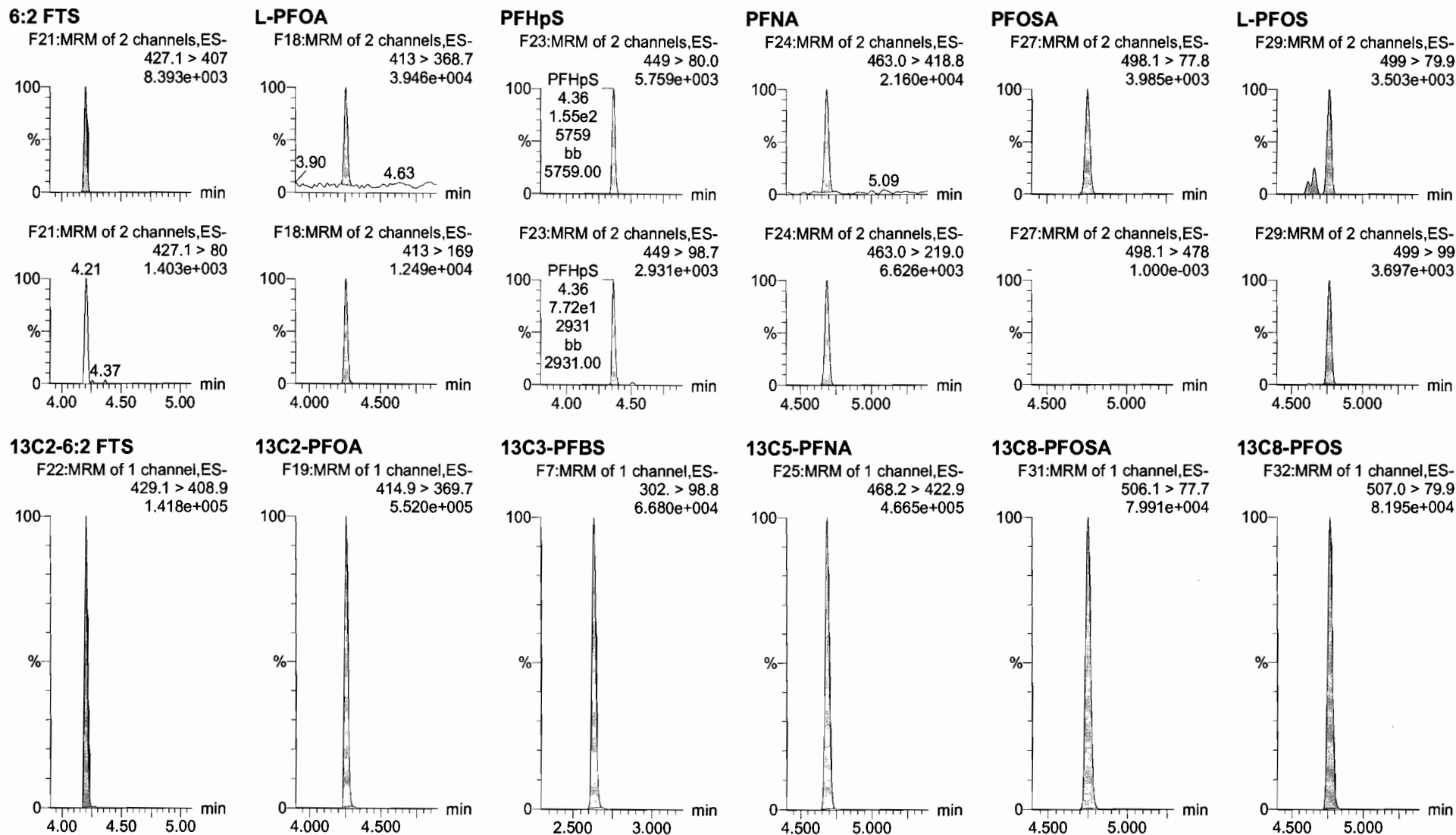


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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_3, Date: 30-Dec-2017, Time: 23:06:53, ID: ST171230M3-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607



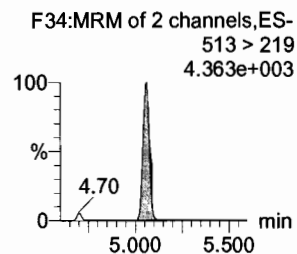
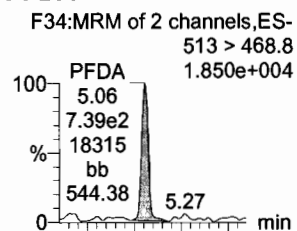
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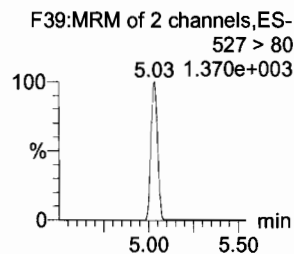
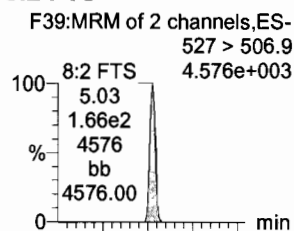
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Name: 171230M3_3, Date: 30-Dec-2017, Time: 23:06:53, ID: ST171230M3-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

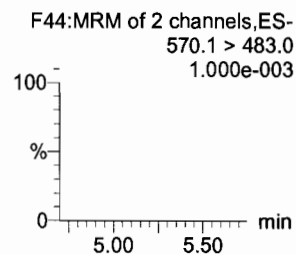
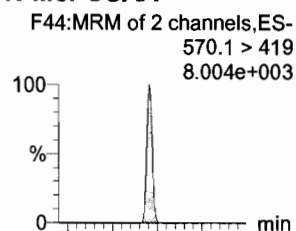
PFDA



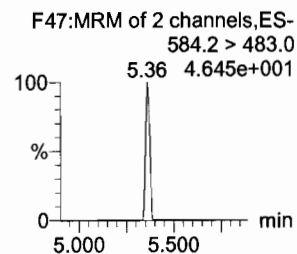
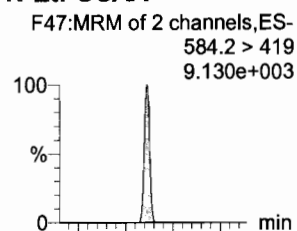
8:2 FTS



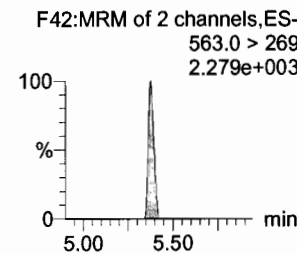
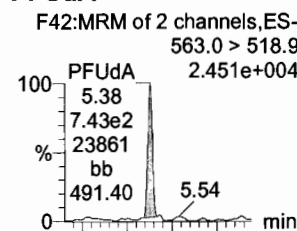
N-MeFOSAA



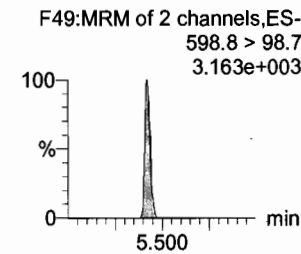
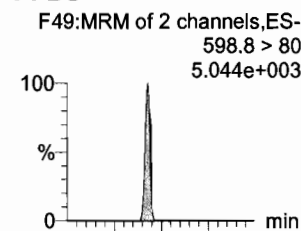
N-EtFOSAA



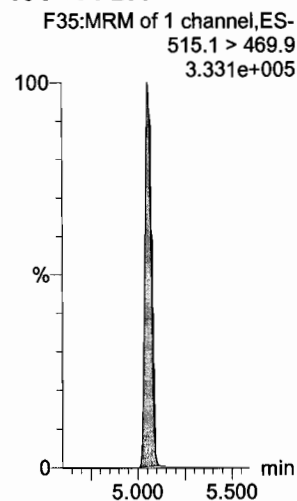
PFUdA



PFDS



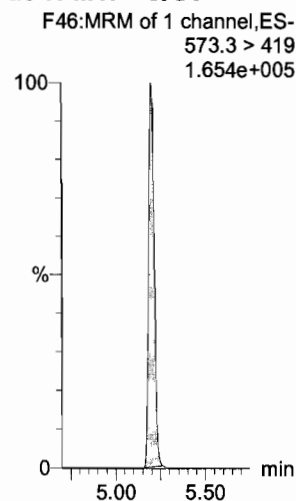
13C2-PFDA



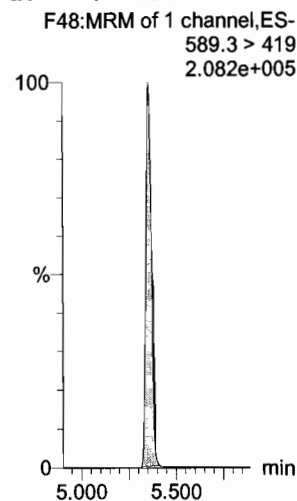
13C2-8:2 FTS



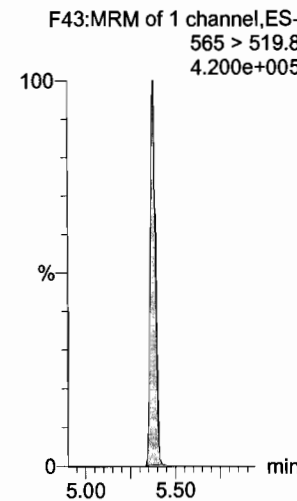
d3-N-MeFOSAA



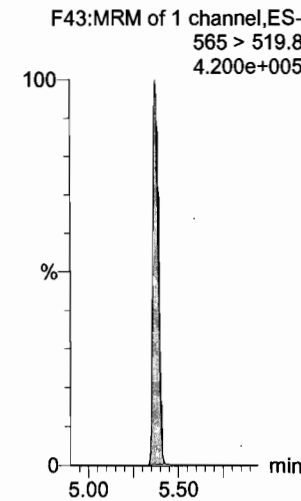
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



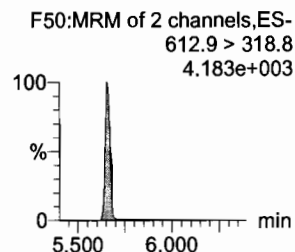
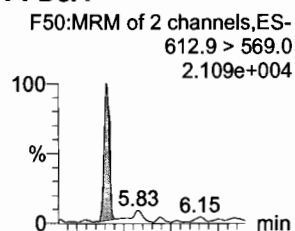
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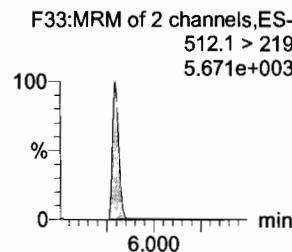
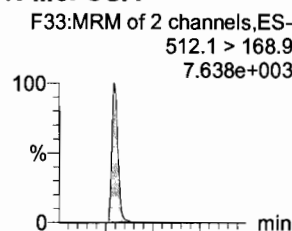
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Name: 171230M3_3, Date: 30-Dec-2017, Time: 23:06:53, ID: ST171230M3-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

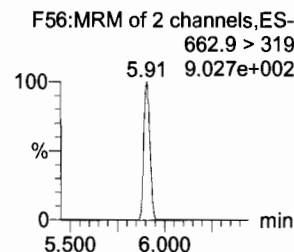
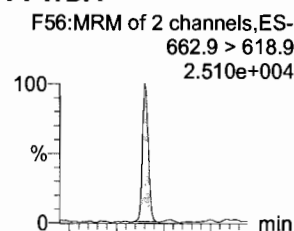
PFDaA



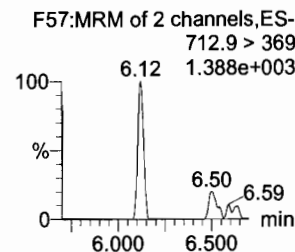
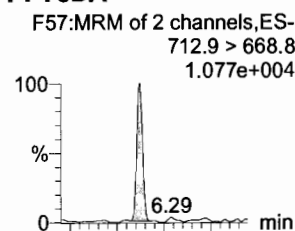
N-MeFOSA



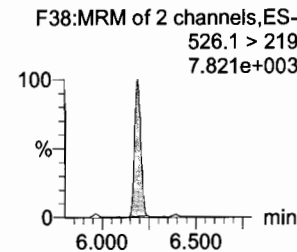
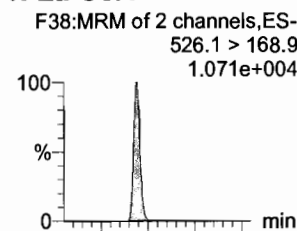
PFTrDA



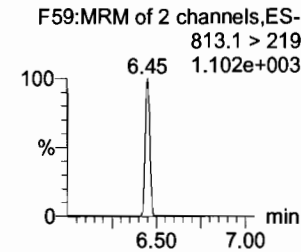
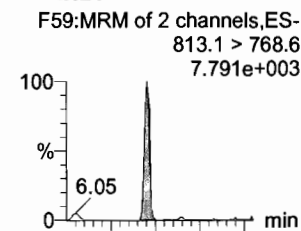
PFTeDA



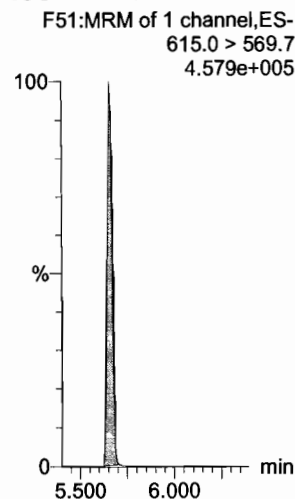
N-EtFOSA



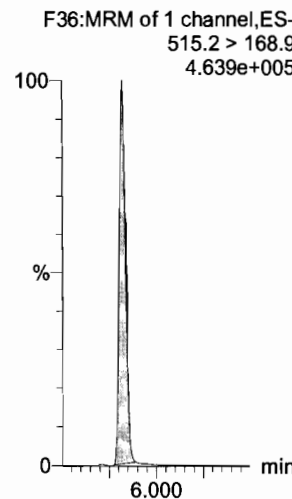
PFHxDA



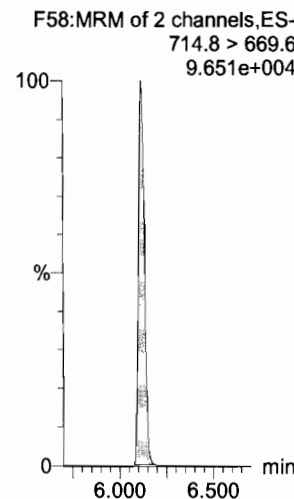
13C2-PFDaA



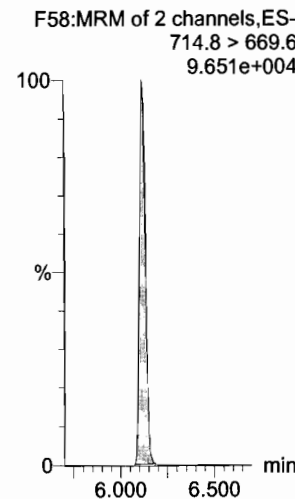
d3-N-MeFOSA



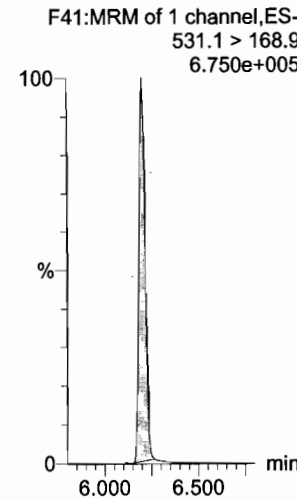
13C2-PFTeDA



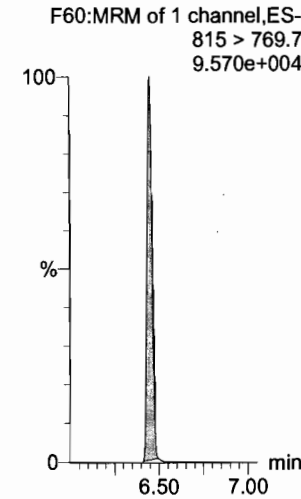
13C2-PFTeDA



d5-N-ETFOA



13C2-PFHxDA



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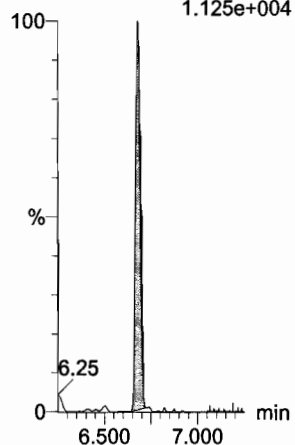
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_3, Date: 30-Dec-2017, Time: 23:06:53, ID: ST171230M3-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

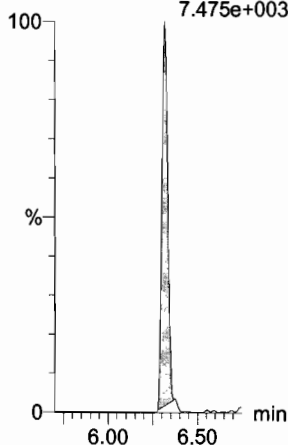
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.125e+004



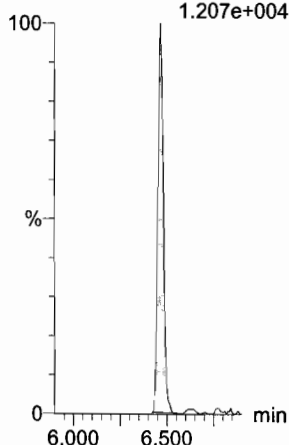
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
7.475e+003



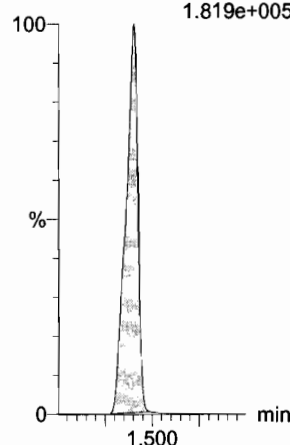
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.207e+004



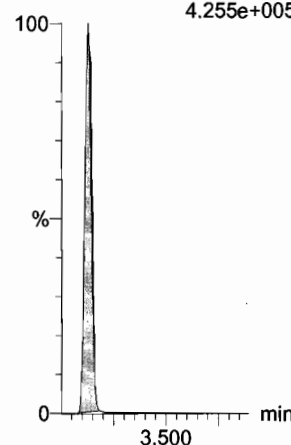
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.819e+005



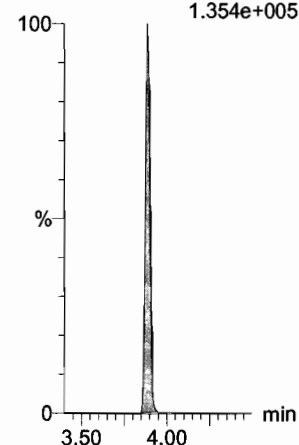
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.255e+005



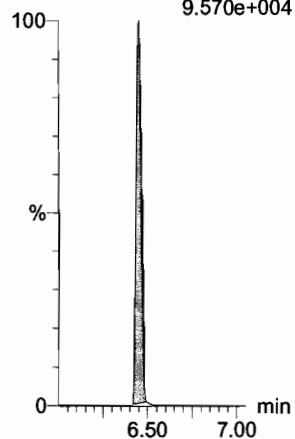
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.354e+005



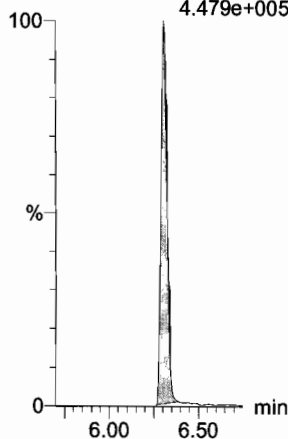
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
9.570e+004



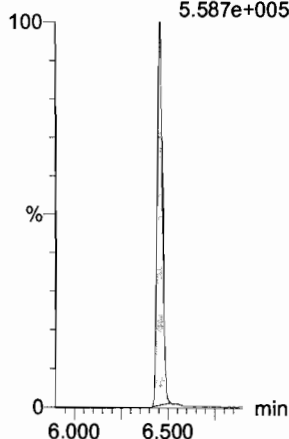
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.479e+005



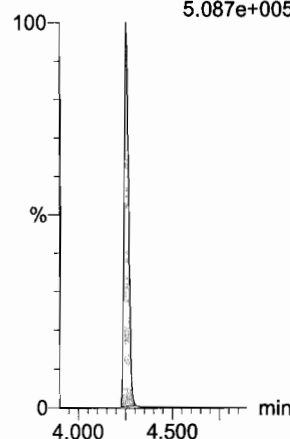
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.587e+005



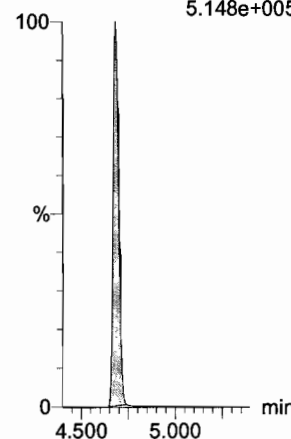
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.087e+005



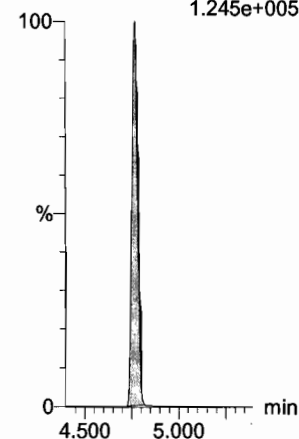
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.148e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.245e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

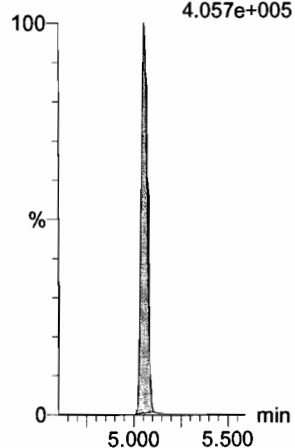
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_3, Date: 30-Dec-2017, Time: 23:06:53, ID: ST171230M3-2 PFC CS-1 17L2607, Description: PFC CS-1 17L2607

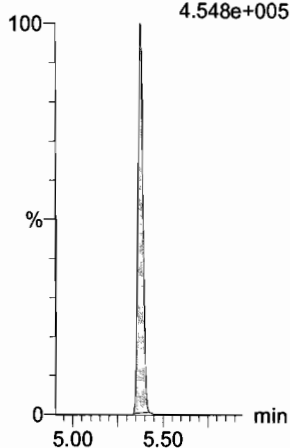
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
4.057e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
4.548e+005



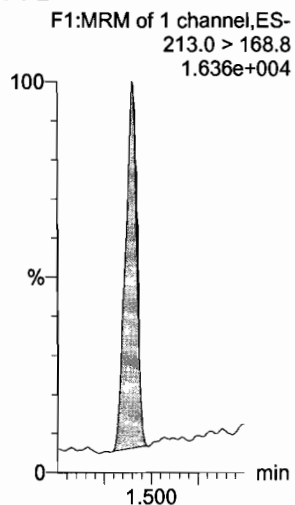
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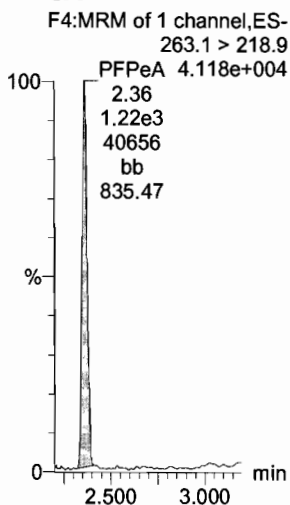
Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

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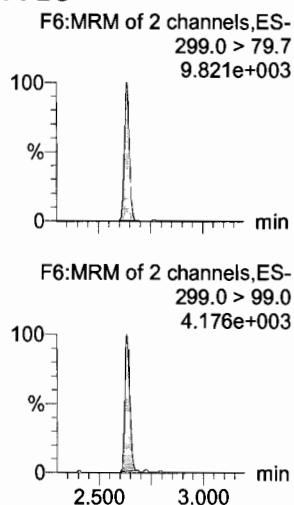
PFBA



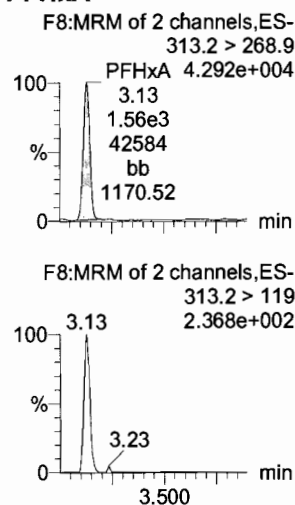
PFPeA



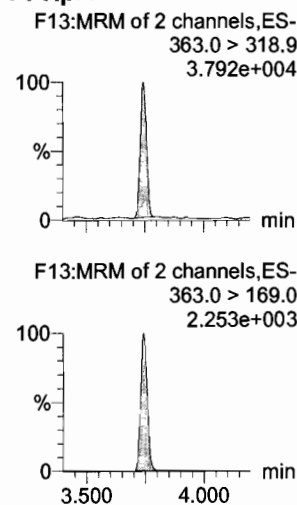
PFBS



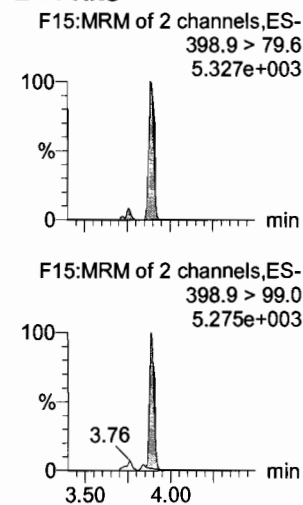
PFHxA



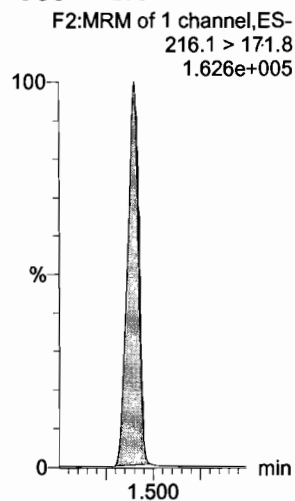
PFHpA



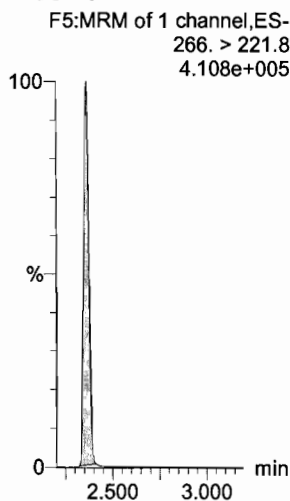
L-PFHxS



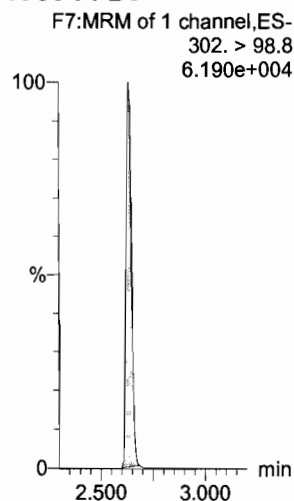
13C3-PFBA



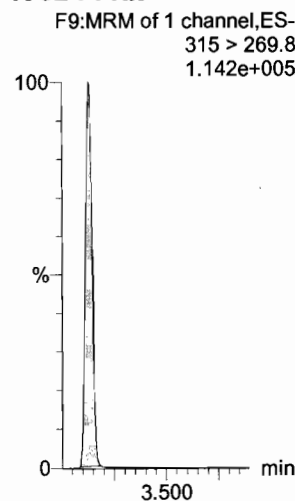
13C3-PFPeA



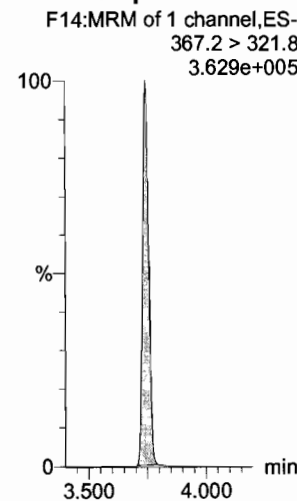
13C3-PFBS



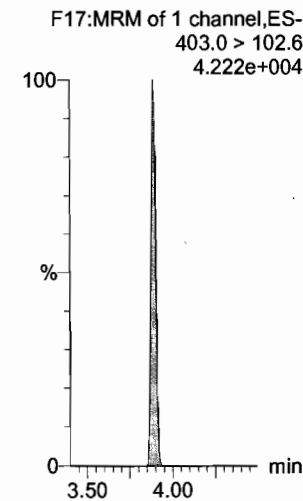
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

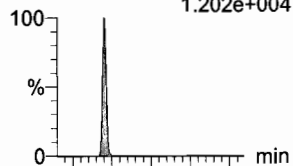
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Name: 171230M3_4, Date: 30-Dec-2017, Time: 23:18:04, ID: ST171230M3-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

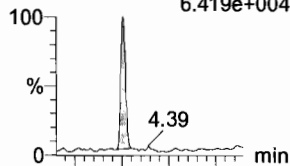
6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.202e+004



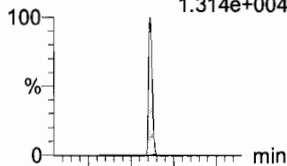
L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
6.419e+004



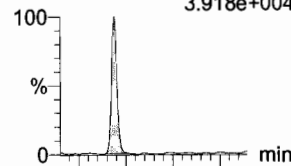
PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.314e+004



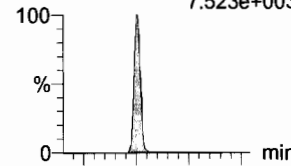
PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
3.918e+004



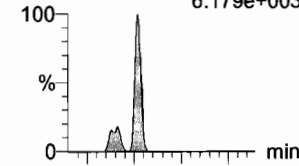
PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
7.523e+003

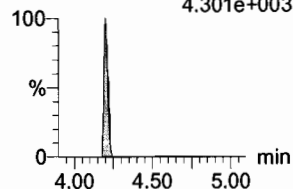


L-PFOS

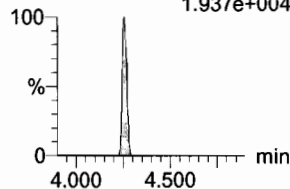
F29:MRM of 2 channels,ES-
499 > 79.9
6.179e+003



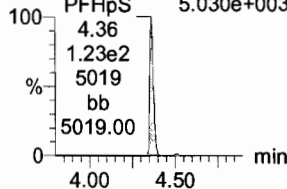
F21:MRM of 2 channels,ES-
427.1 > 80
4.301e+003



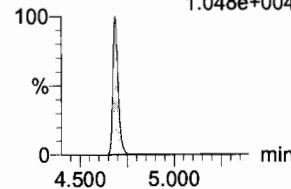
F18:MRM of 2 channels,ES-
413 > 169
1.937e+004



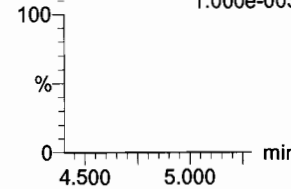
F23:MRM of 2 channels,ES-
449 > 98.7
5.030e+003



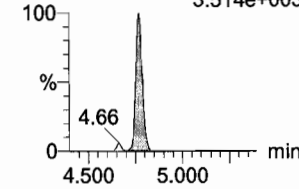
F24:MRM of 2 channels,ES-
463.0 > 219.0
1.048e+004



F27:MRM of 2 channels,ES-
498.1 > 478
1.000e-003

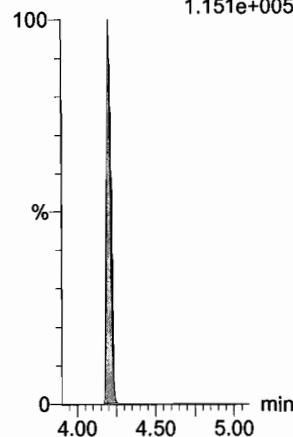


F29:MRM of 2 channels,ES-
499 > 99
3.514e+003



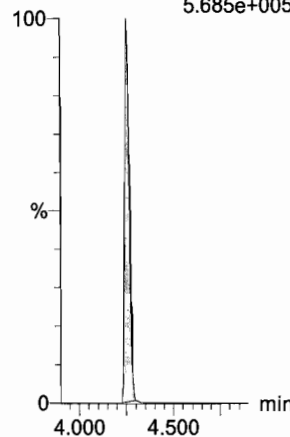
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.151e+005



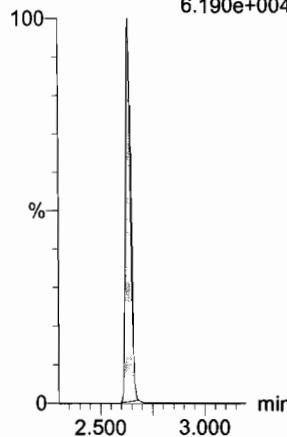
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.685e+005



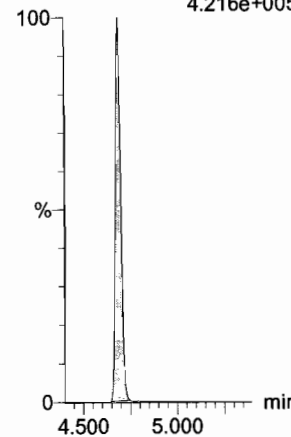
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
6.190e+004



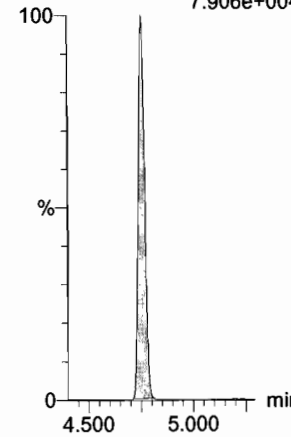
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.216e+005



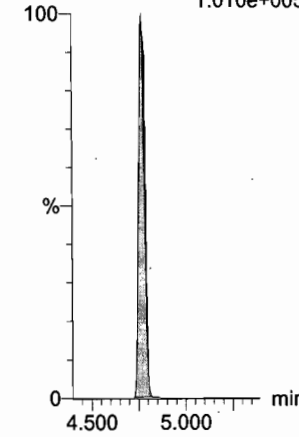
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
7.906e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.010e+005



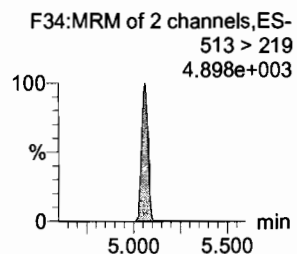
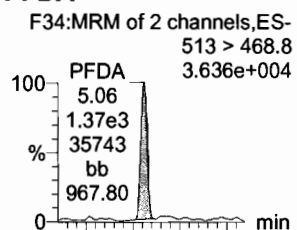
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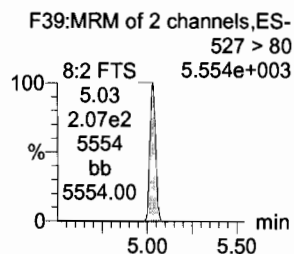
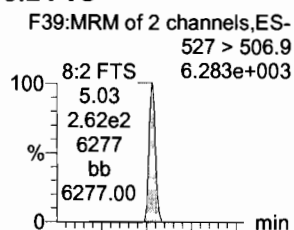
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Name: 171230M3_4, Date: 30-Dec-2017, Time: 23:18:04, ID: ST171230M3-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

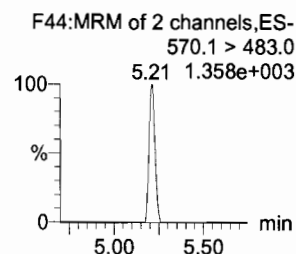
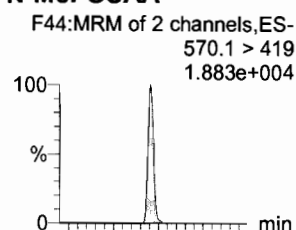
PFDA



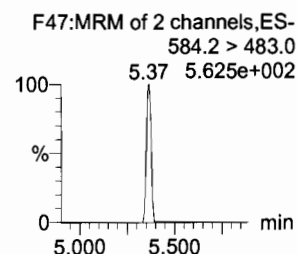
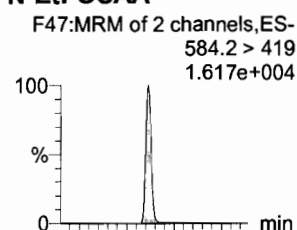
8:2 FTS



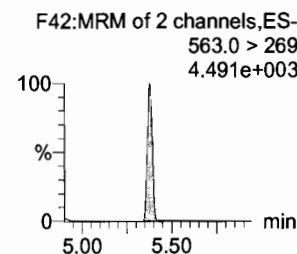
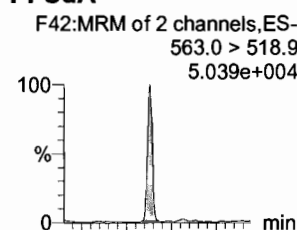
N-MeFOSAA



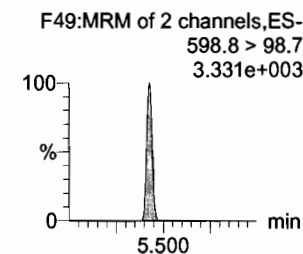
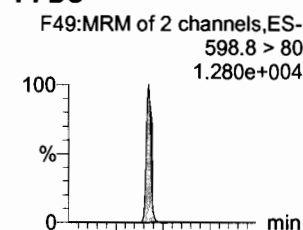
N-EtFOSAA



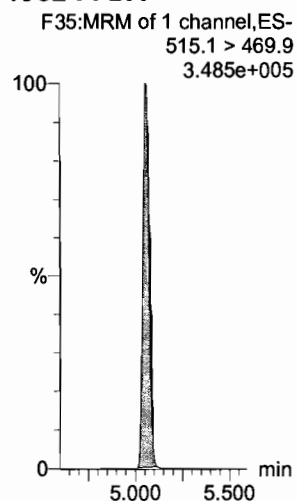
PFUdA



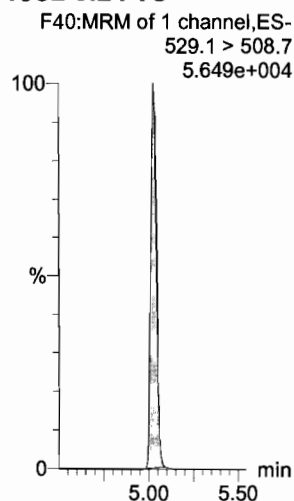
PFDS



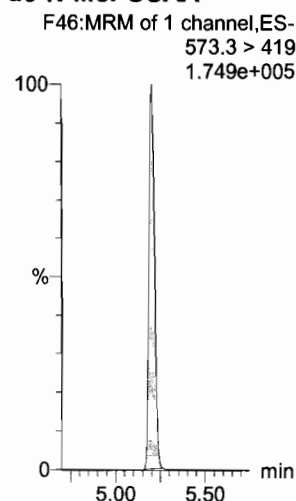
13C2-PFDA



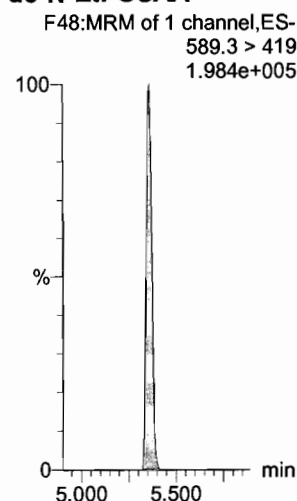
13C2-8:2 FTS



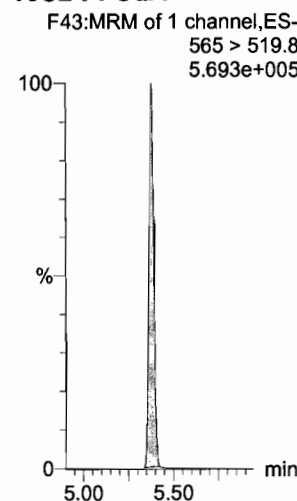
d3-N-MeFOSAA



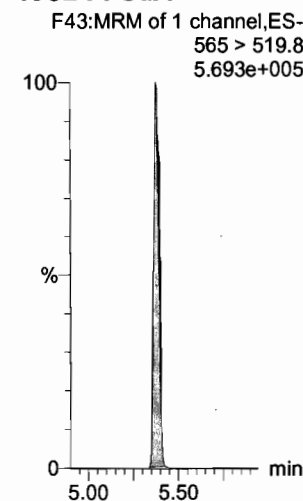
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



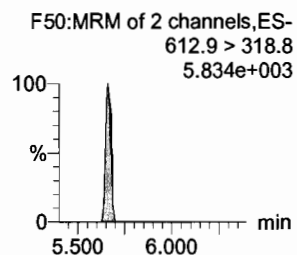
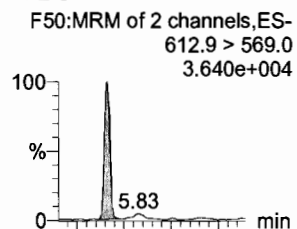
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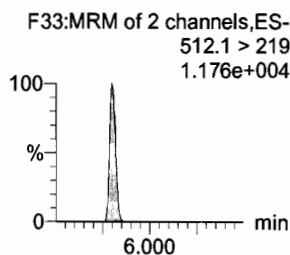
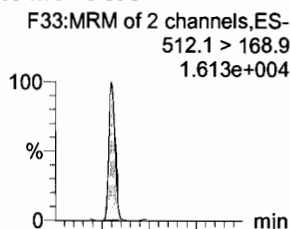
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Name: 171230M3_4, Date: 30-Dec-2017, Time: 23:18:04, ID: ST171230M3-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

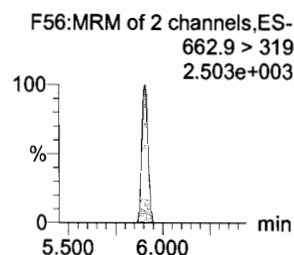
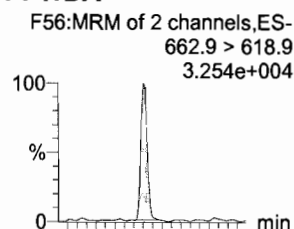
PFDaA



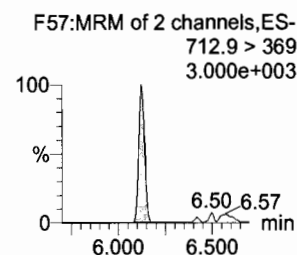
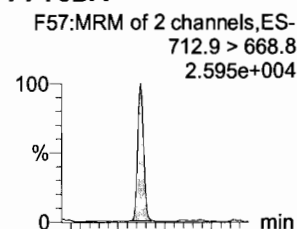
N-MeFOSA



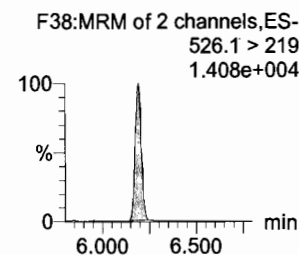
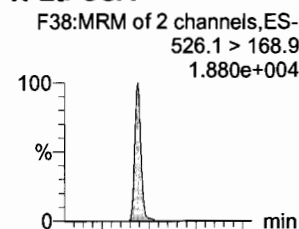
PFTTrDA



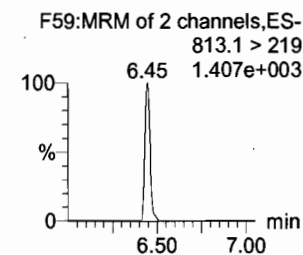
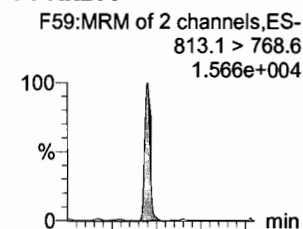
PFTeDA



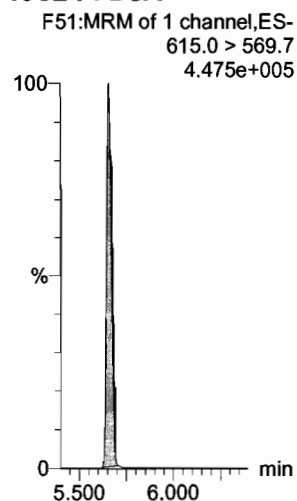
N-EtFOSA



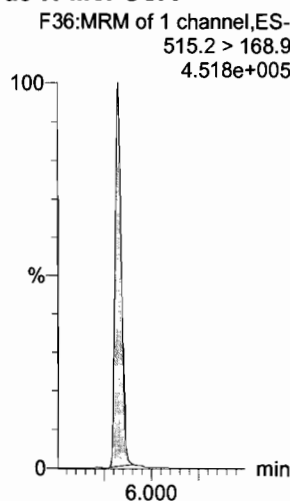
PFHxDA



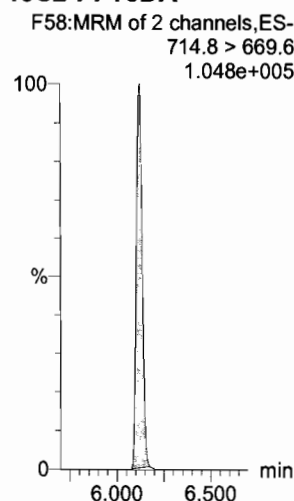
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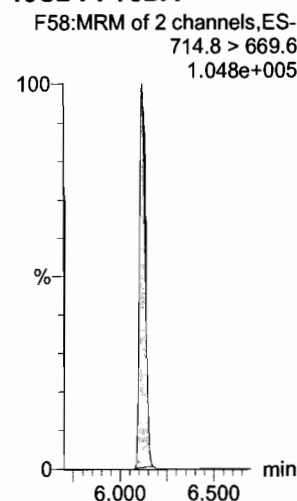
d3-N-MeFOSA



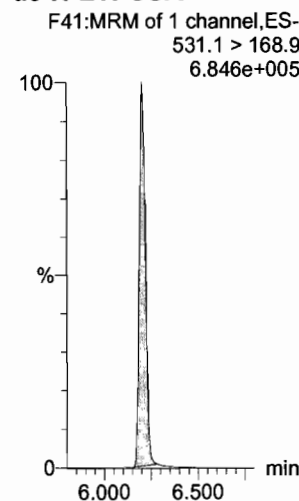
13C2-PFTeDA



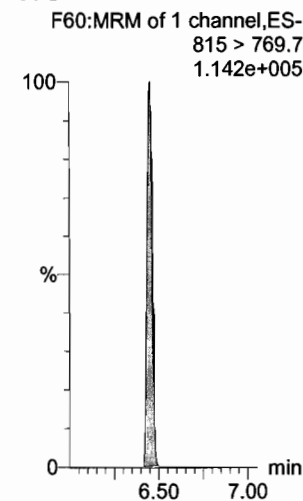
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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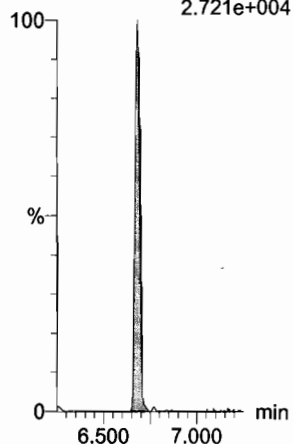
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_4, Date: 30-Dec-2017, Time: 23:18:04, ID: ST171230M3-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

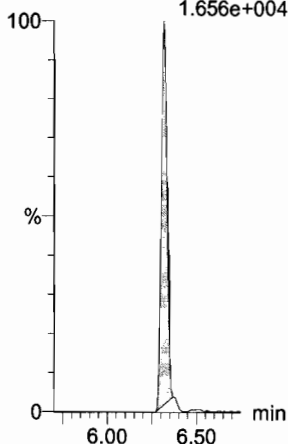
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.721e+004



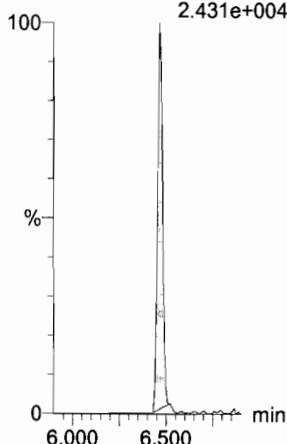
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.656e+004



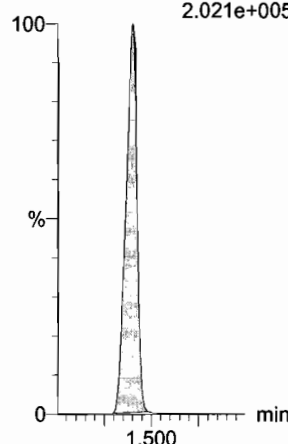
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.431e+004



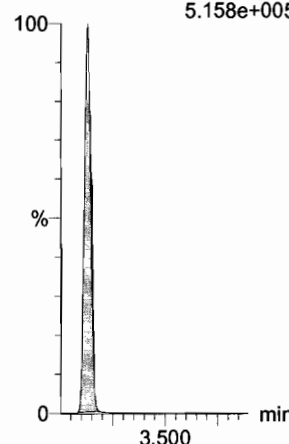
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
2.021e+005



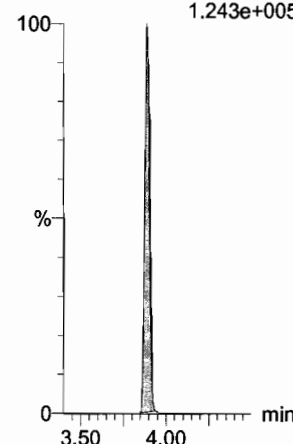
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
5.158e+005



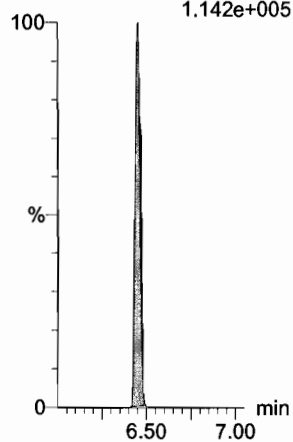
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.243e+005



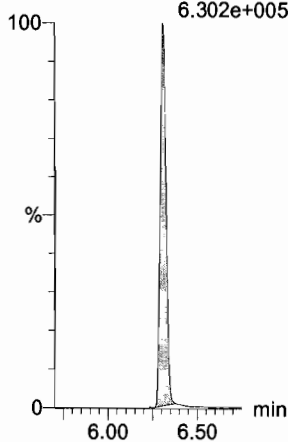
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.142e+005



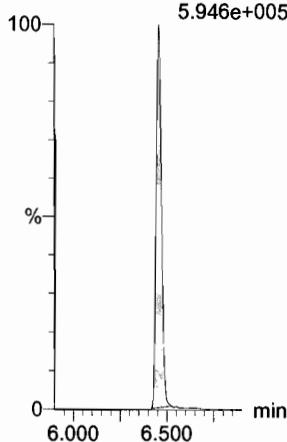
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
6.302e+005



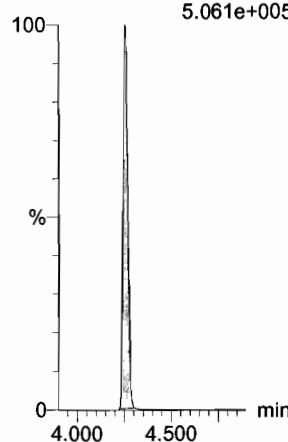
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.946e+005



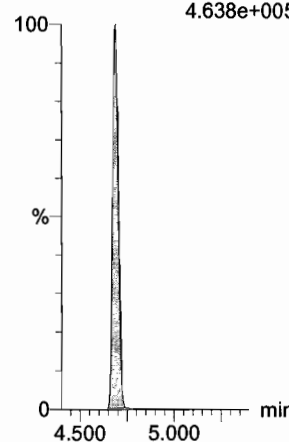
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.061e+005



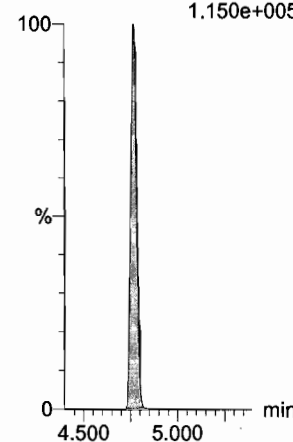
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.638e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.150e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

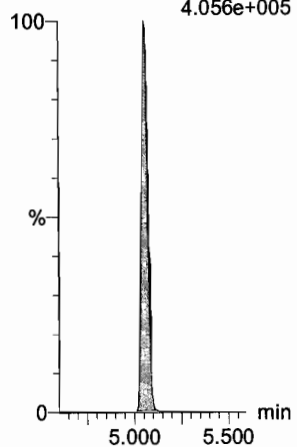
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_4, Date: 30-Dec-2017, Time: 23:18:04, ID: ST171230M3-3 PFC CS0 17L2608, Description: PFC CS0 17L2608

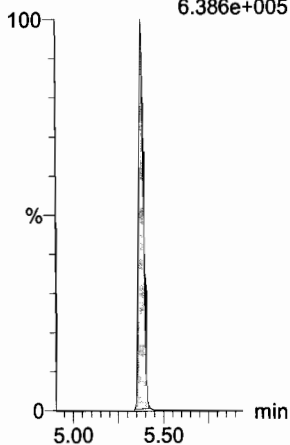
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
4.056e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
6.386e+005



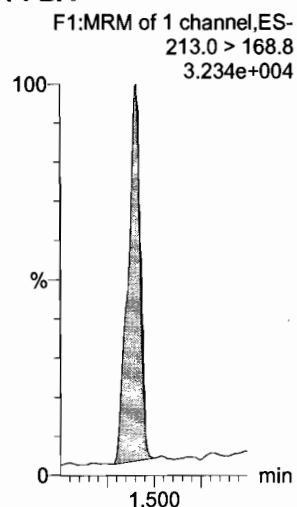
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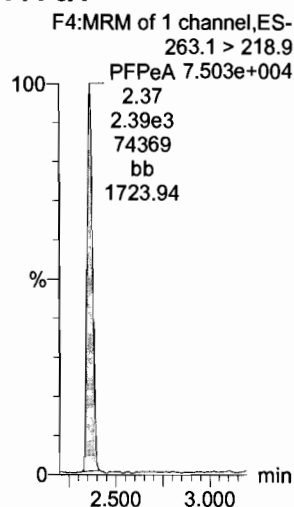
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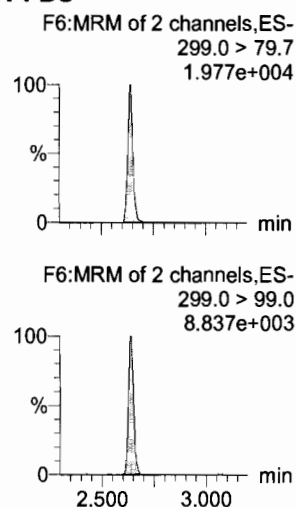
PFBA



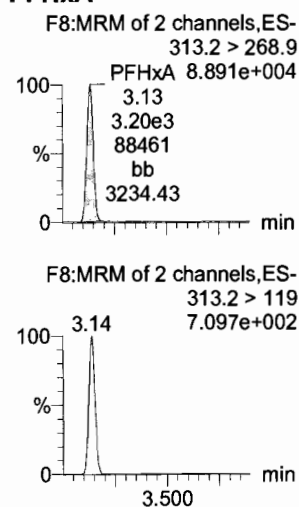
PFPeA



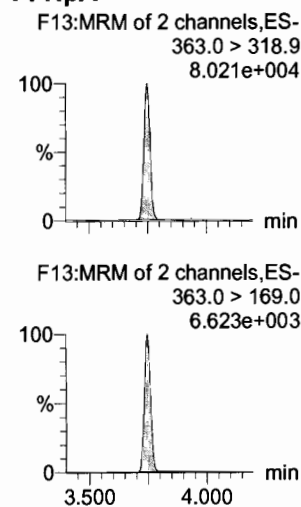
PFBS



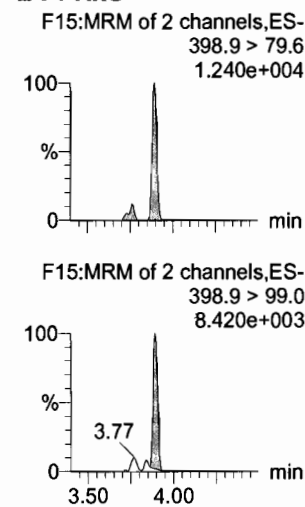
PFHxA



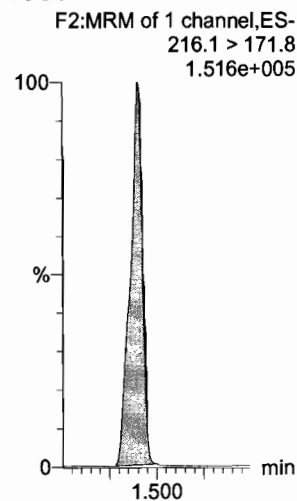
PFHpA



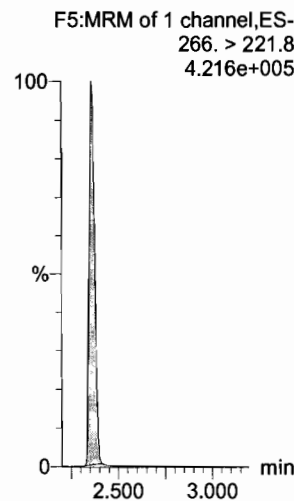
L-PFHxS



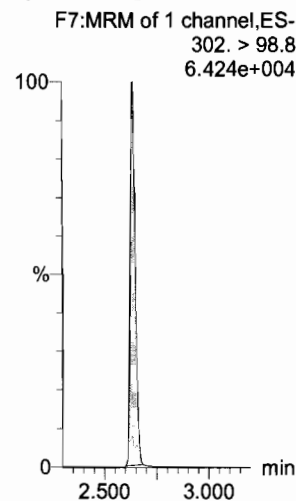
13C3-PFBA



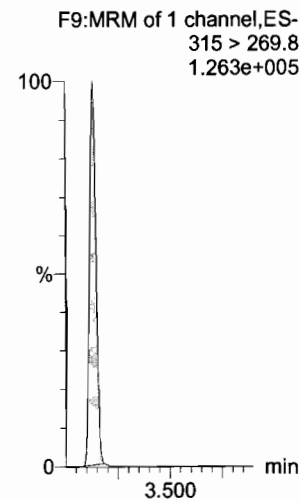
13C3-PFPeA



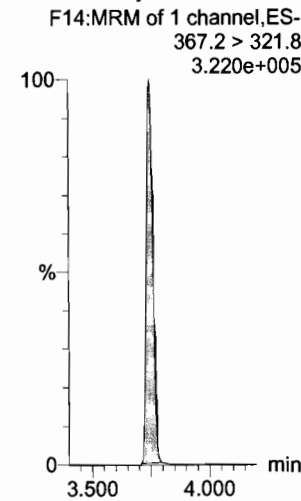
13C3-PFBS



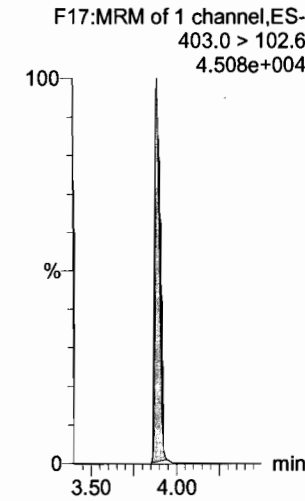
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

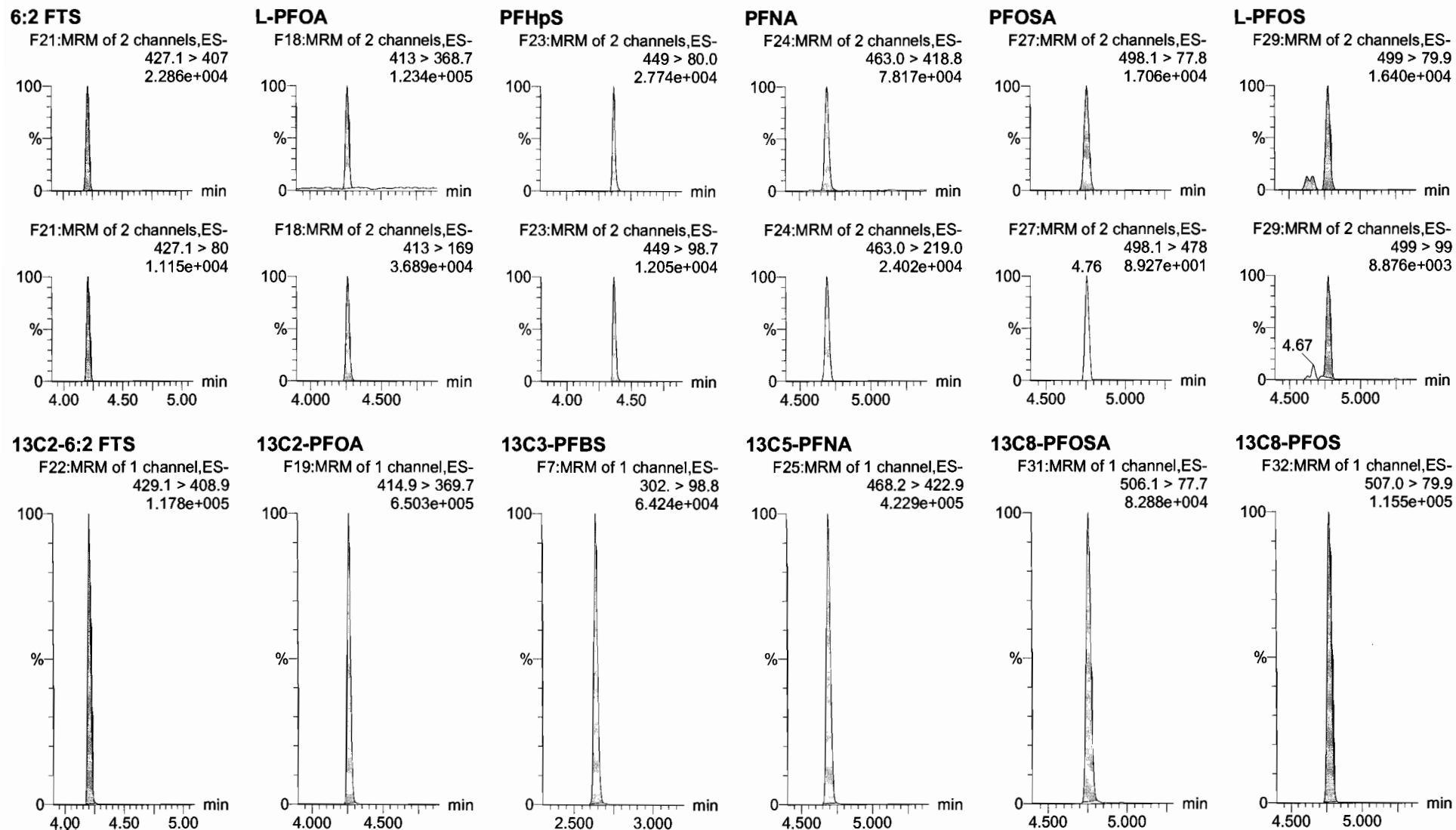


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Name: 171230M3_5, Date: 30-Dec-2017, Time: 23:29:14, ID: ST171230M3-4 PFC CS1 17L2609, Description: PFC CS1 17L2609



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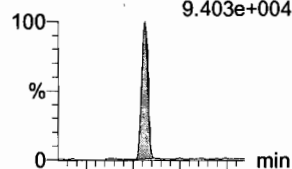
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

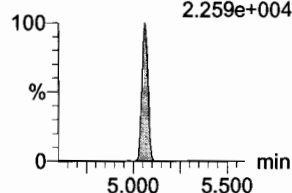
Name: 171230M3_5, Date: 30-Dec-2017, Time: 23:29:14, ID: ST171230M3-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
9.403e+004

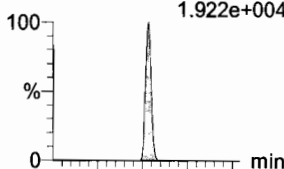


F34:MRM of 2 channels,ES-
513 > 219
2.259e+004

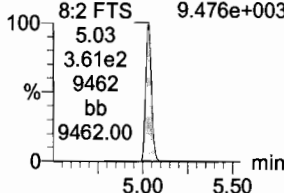


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
1.922e+004

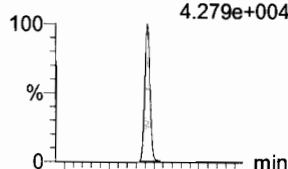


F39:MRM of 2 channels,ES-
527 > 80
9.476e+003

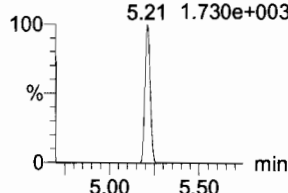


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
4.279e+004

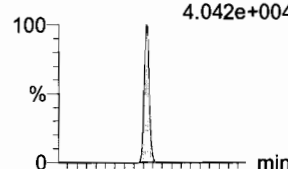


F44:MRM of 2 channels,ES-
570.1 > 483.0
5.21 1.730e+003

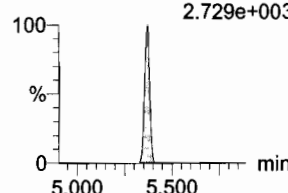


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
4.042e+004

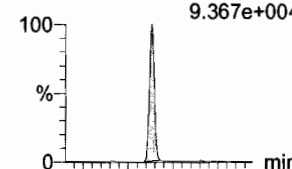


F47:MRM of 2 channels,ES-
584.2 > 483.0
2.729e+003

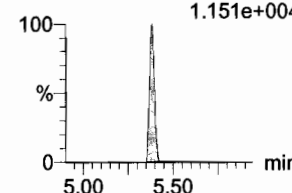


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
9.367e+004

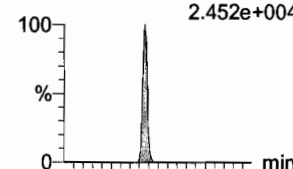


F42:MRM of 2 channels,ES-
563.0 > 269
1.151e+004

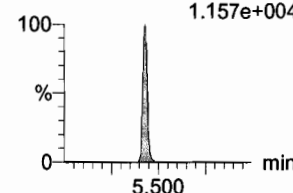


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
2.452e+004

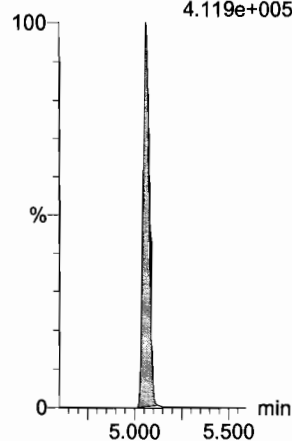


F49:MRM of 2 channels,ES-
598.8 > 98.7
1.157e+004



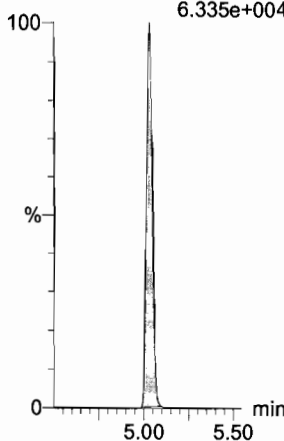
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
4.119e+005



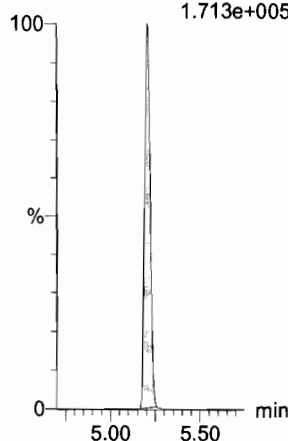
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.335e+004



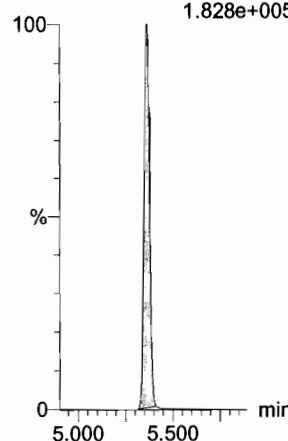
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.713e+005



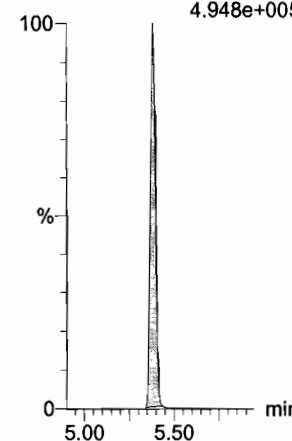
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
1.828e+005



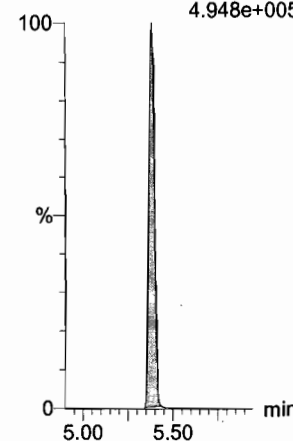
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.948e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
4.948e+005



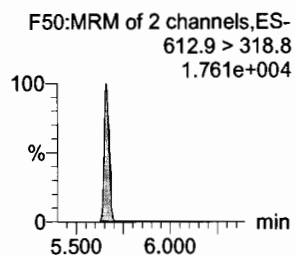
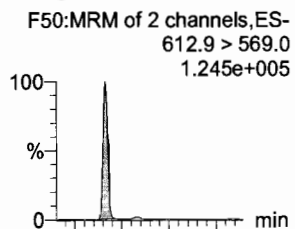
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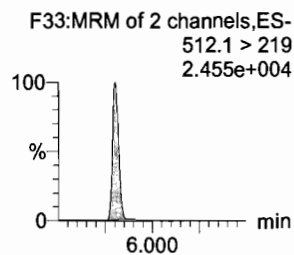
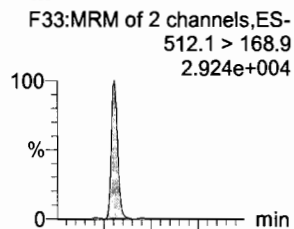
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Name: 171230M3_5, Date: 30-Dec-2017, Time: 23:29:14, ID: ST171230M3-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

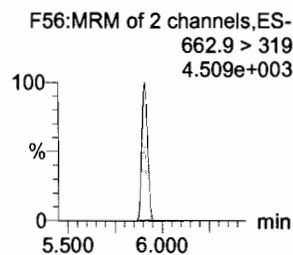
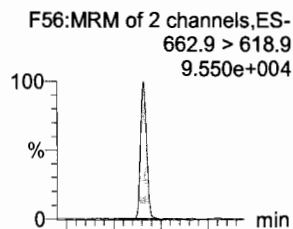
PFD_oA



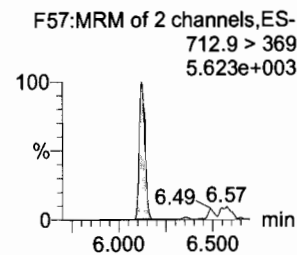
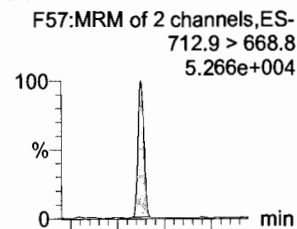
N-MeFOSA



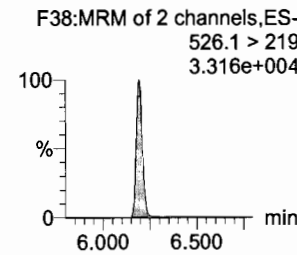
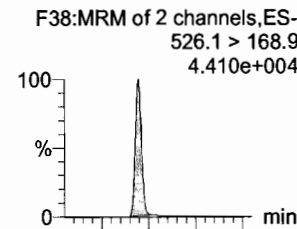
PFT_rDA



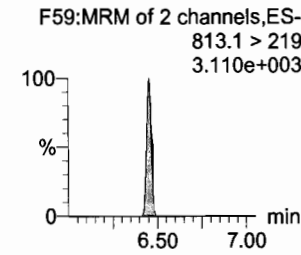
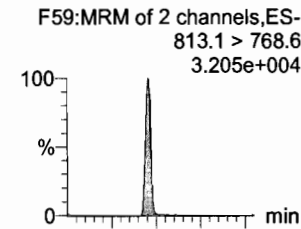
PFT_eDA



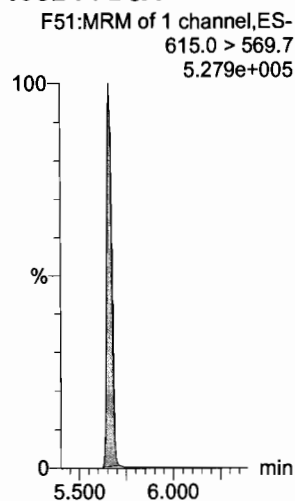
N-EtFOSA



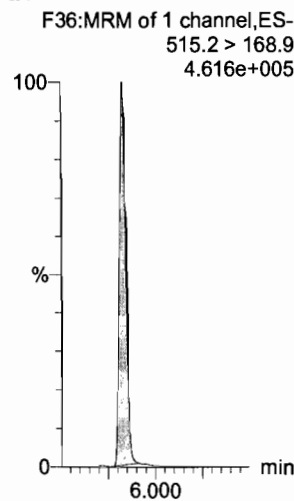
PFH_xDA



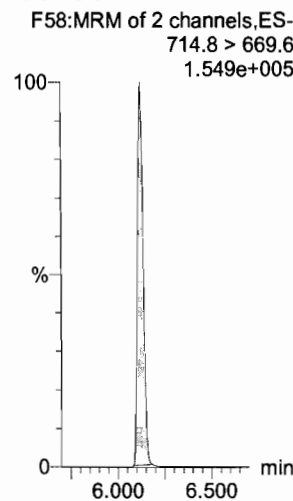
¹³C₂-PFD_oA



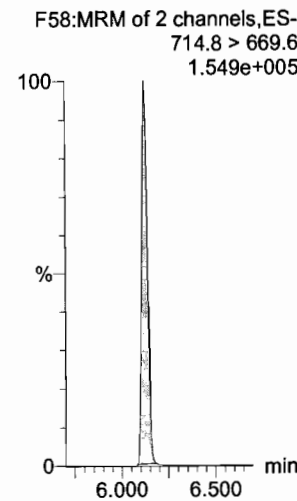
d₃-N-MeFOSA



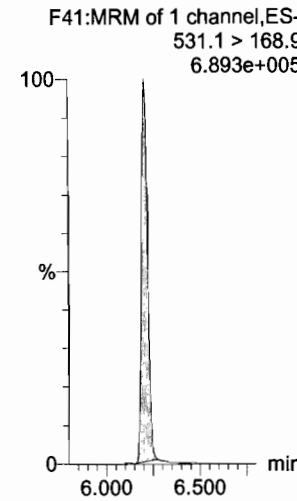
¹³C₂-PFT_eDA



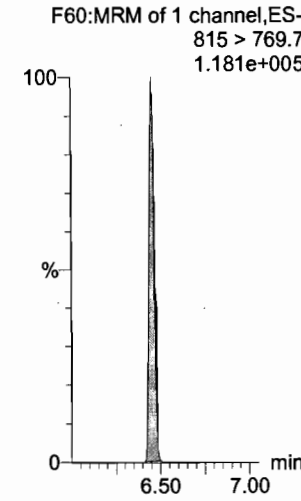
¹³C₂-PFT_eDA



d₅-N-ETFOSA



¹³C₂-PFH_xDA



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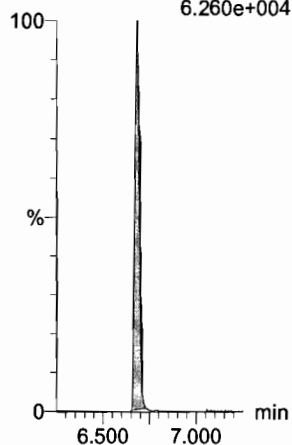
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_5, Date: 30-Dec-2017, Time: 23:29:14, ID: ST171230M3-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

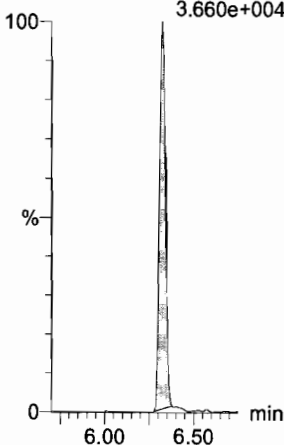
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
6.260e+004



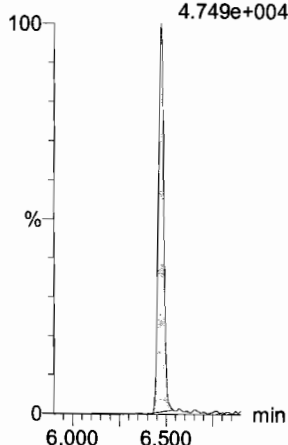
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
3.660e+004



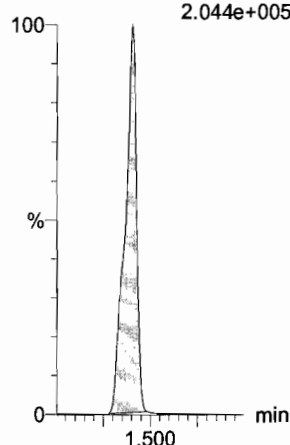
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
4.749e+004



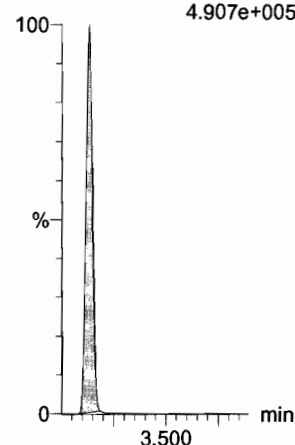
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
2.044e+005



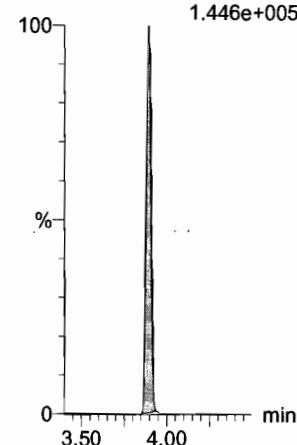
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.907e+005



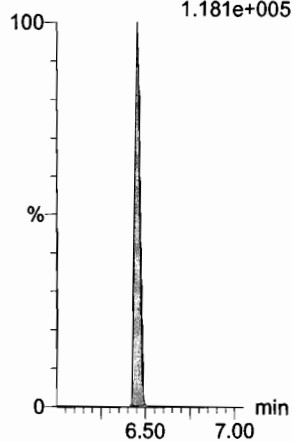
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.446e+005



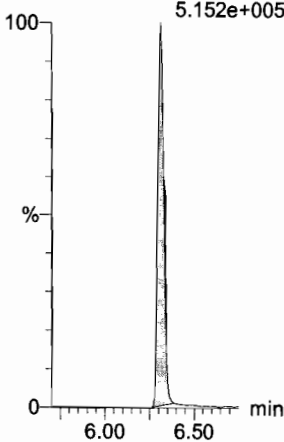
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.181e+005



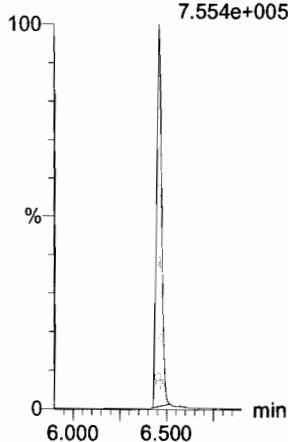
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.152e+005



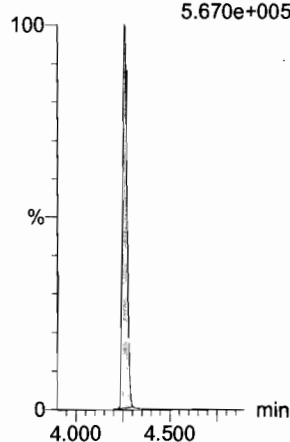
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
7.554e+005



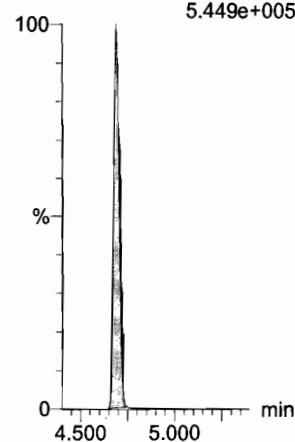
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.670e+005



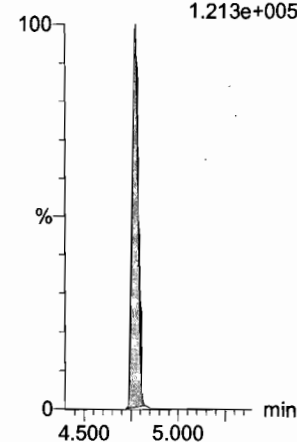
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.449e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.213e+005



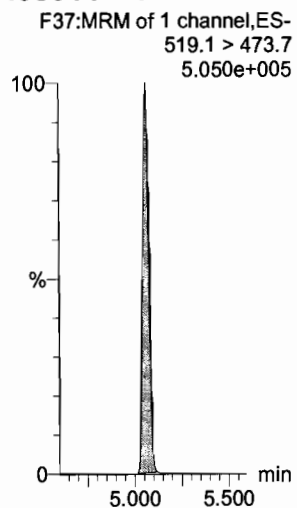
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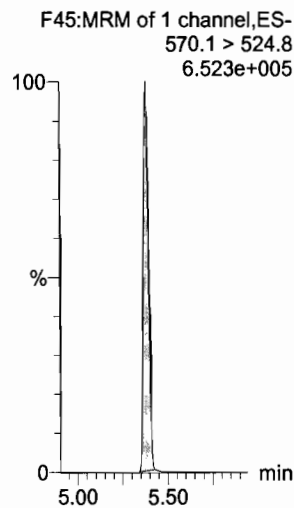
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Name: 171230M3_5, Date: 30-Dec-2017, Time: 23:29:14, ID: ST171230M3-4 PFC CS1 17L2609, Description: PFC CS1 17L2609

13C6-PFDA



13C7-PFUDa



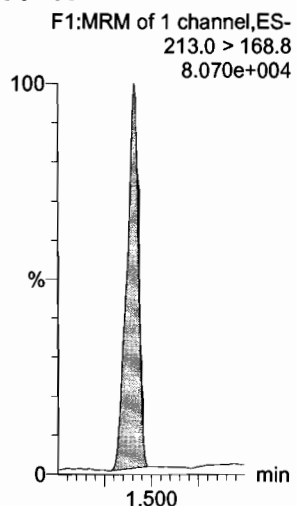
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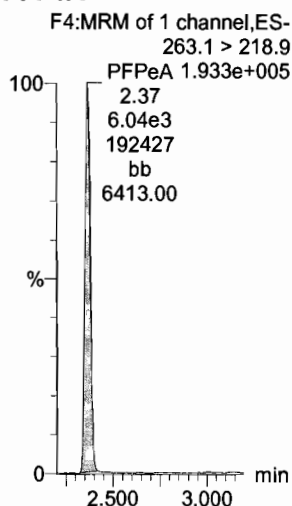
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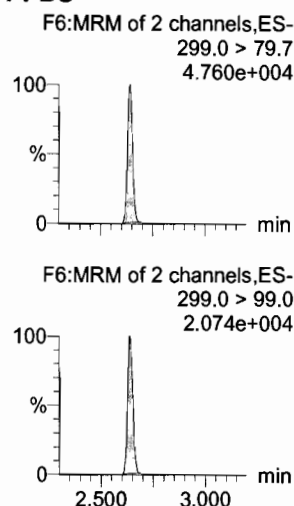
PFBA



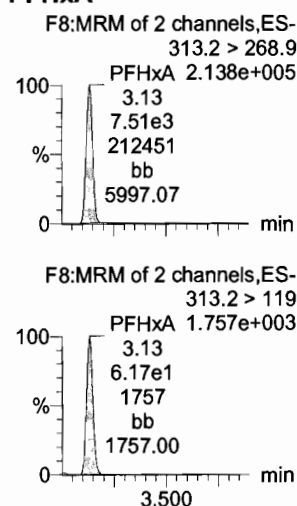
PFPeA



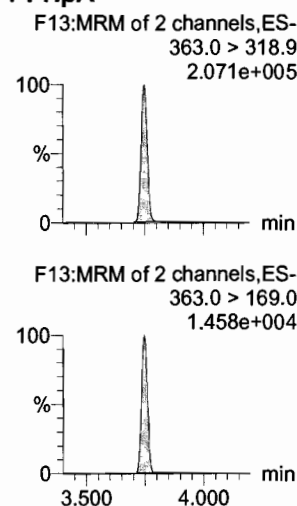
PFBS



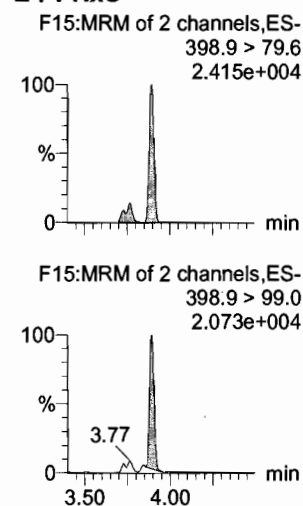
PFHxA



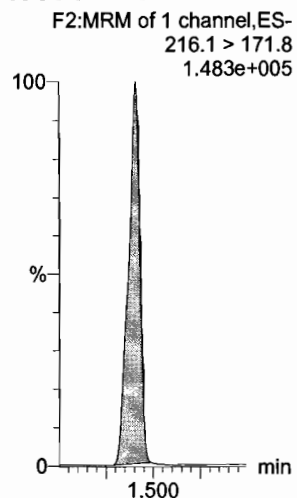
PFHpA



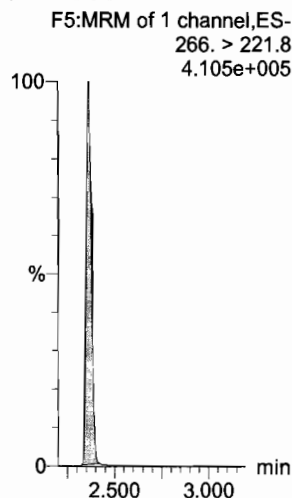
L-PFHxS



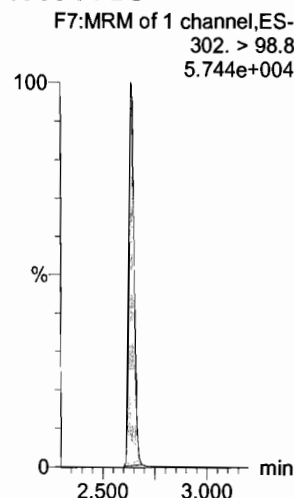
13C3-PFBA



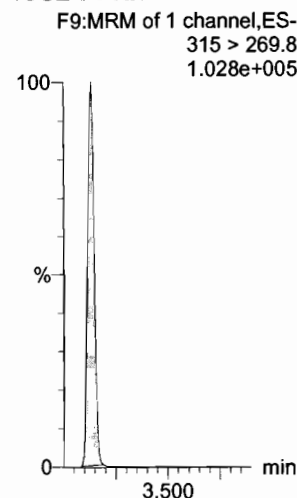
13C3-PFPeA



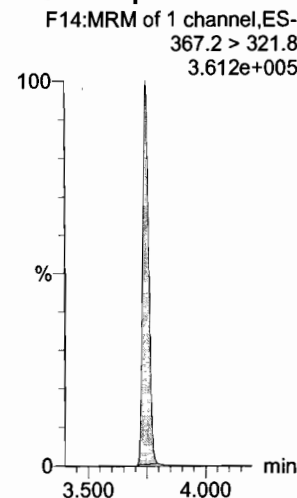
13C3-PFBS



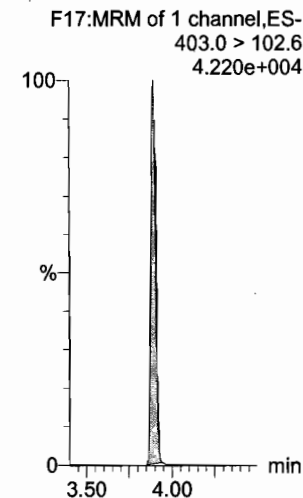
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



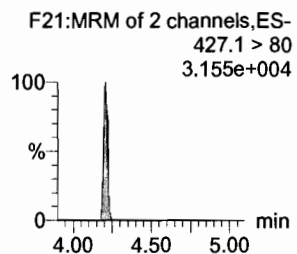
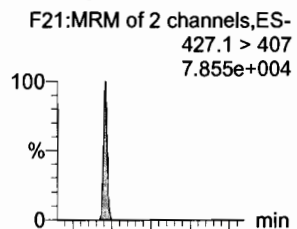
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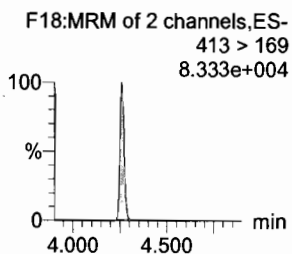
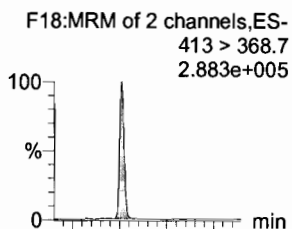
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Name: 171230M3_6, Date: 30-Dec-2017, Time: 23:40:25, ID: ST171230M3-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

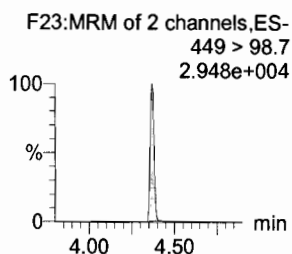
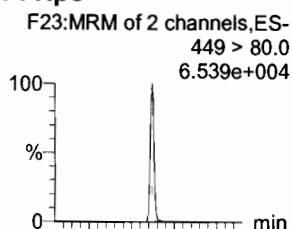
6:2 FTS



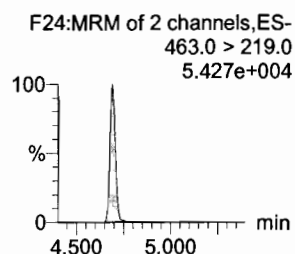
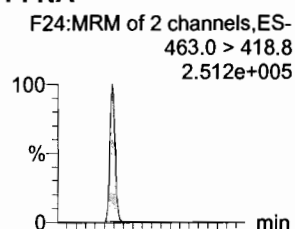
L-PFOA



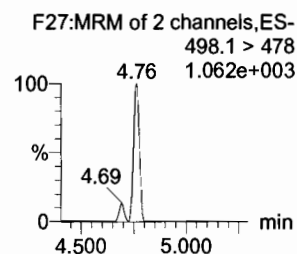
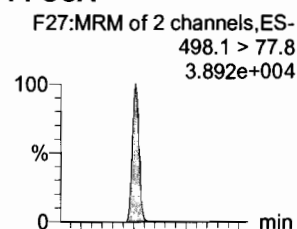
PFHpS



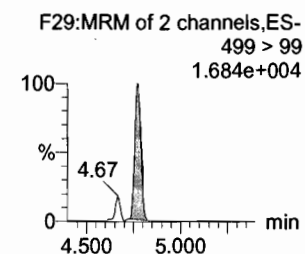
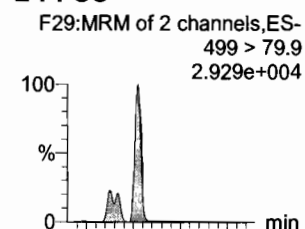
PFNA



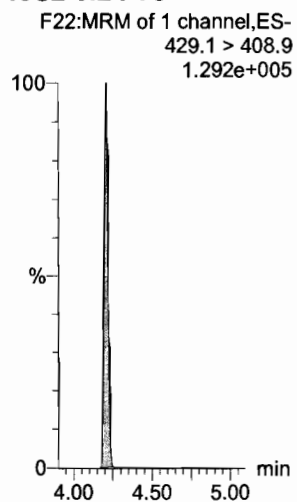
PFOSA



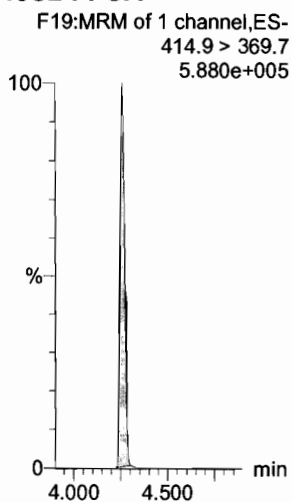
L-PFOS



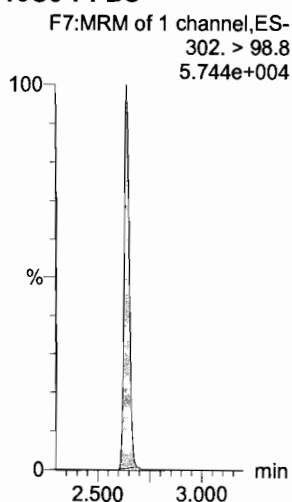
13C2-6:2 FTS



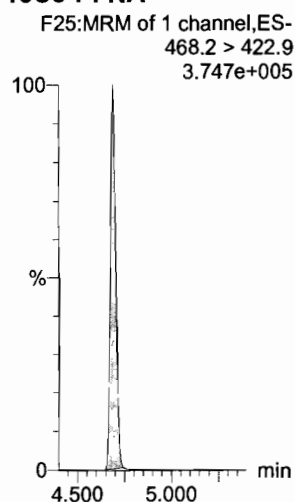
13C2-PFOA



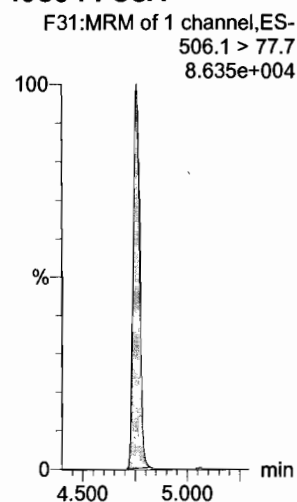
13C3-PFBS



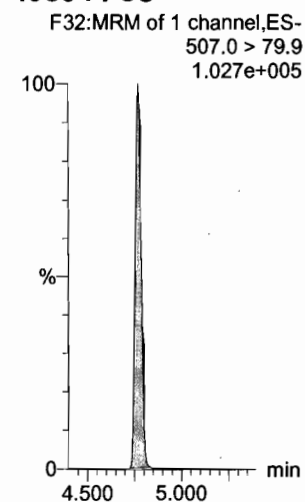
13C5-PFNA



13C8-PFOA



13C8-PFOS



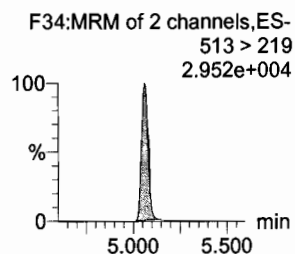
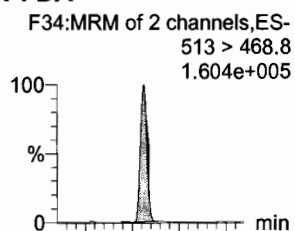
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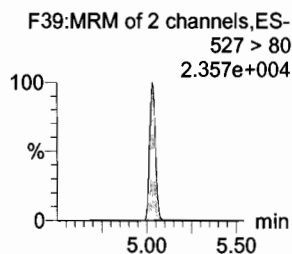
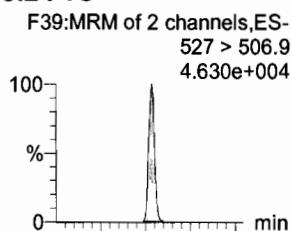
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Name: 171230M3_6, Date: 30-Dec-2017, Time: 23:40:25, ID: ST171230M3-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

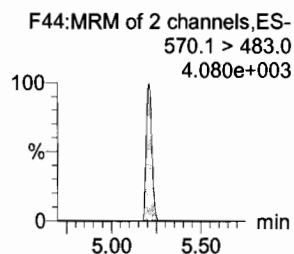
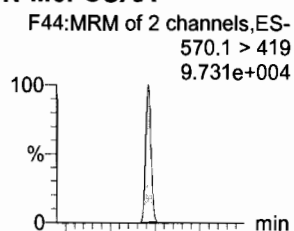
PFDA



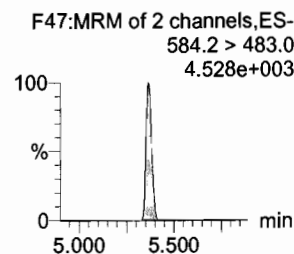
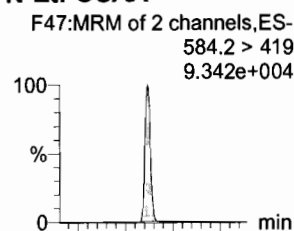
8:2 FTS



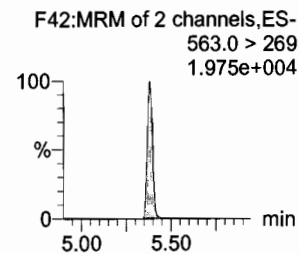
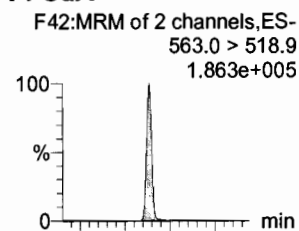
N-MeFOSAA



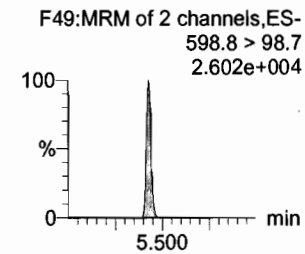
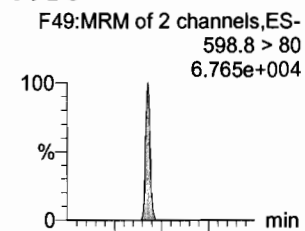
N-EtFOSAA



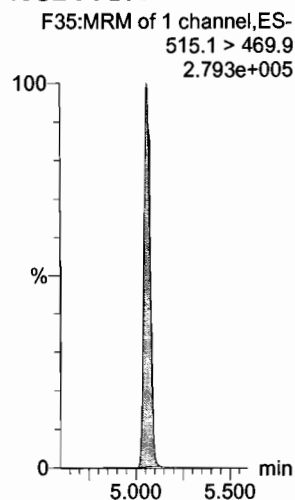
PFUdA



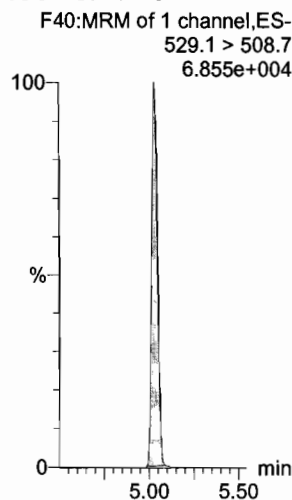
PFDS



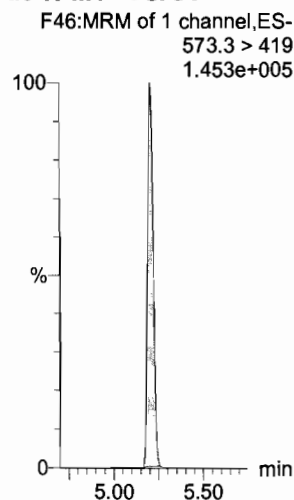
13C2-PFDA



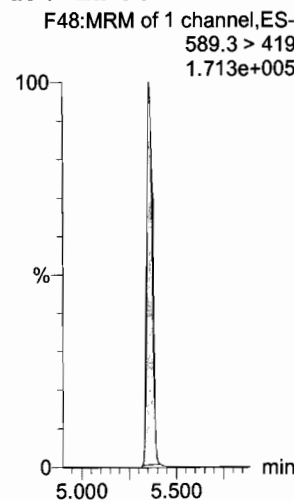
13C2-8:2 FTS



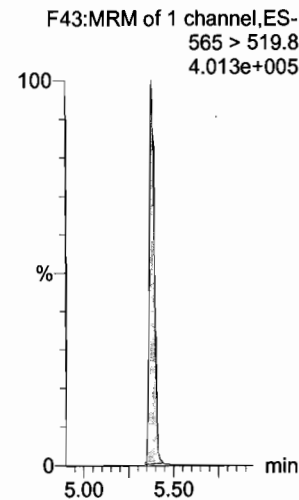
d3-N-MeFOSAA



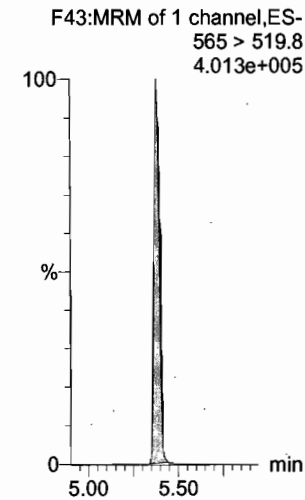
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



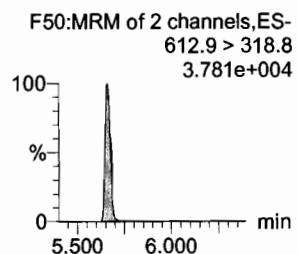
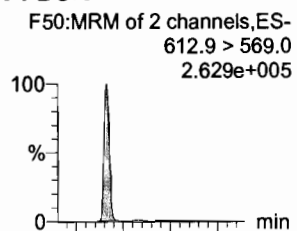
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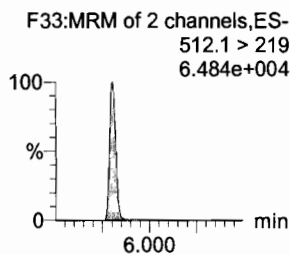
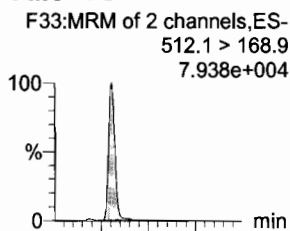
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Name: 171230M3_6, Date: 30-Dec-2017, Time: 23:40:25, ID: ST171230M3-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

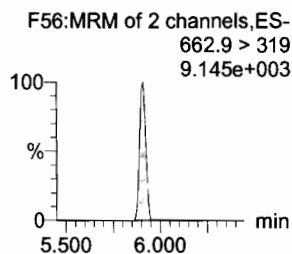
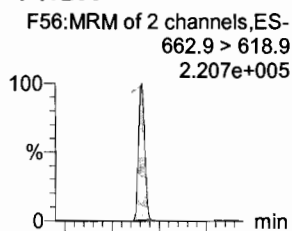
PFDaA



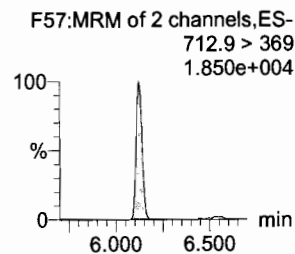
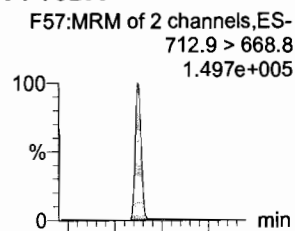
N-MeFOSA



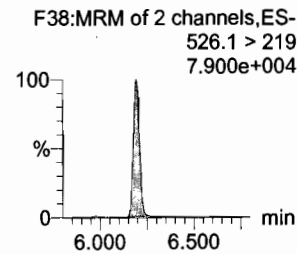
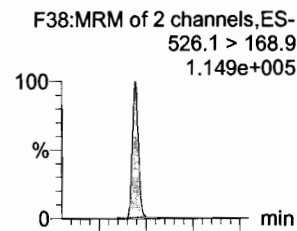
PFTeDA



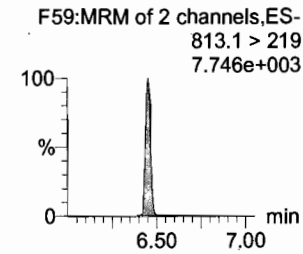
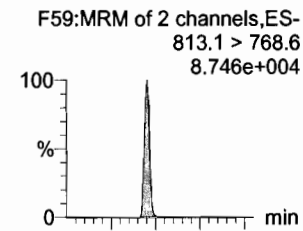
PFTeDA



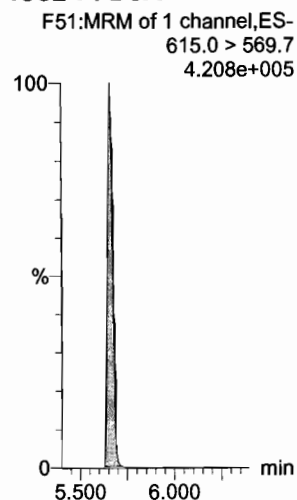
N-EtFOSA



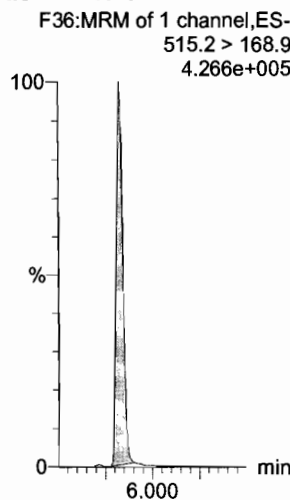
PFHxDA



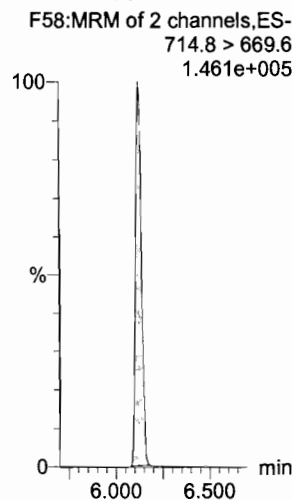
13C2-PFDaA



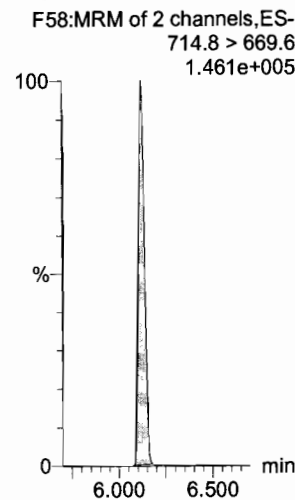
d3-N-MeFOSA



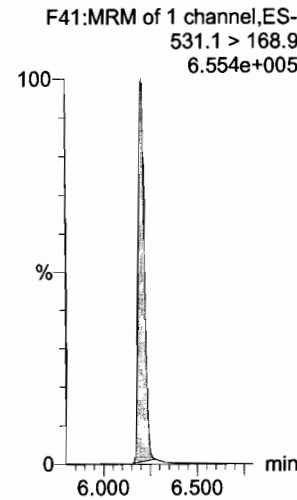
13C2-PFTeDA



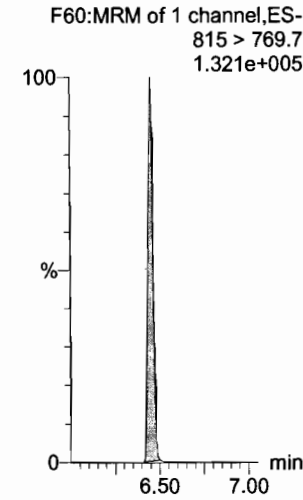
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



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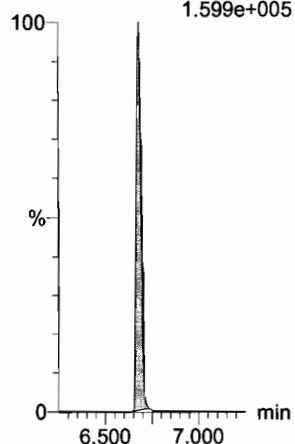
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_6, Date: 30-Dec-2017, Time: 23:40:25, ID: ST171230M3-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

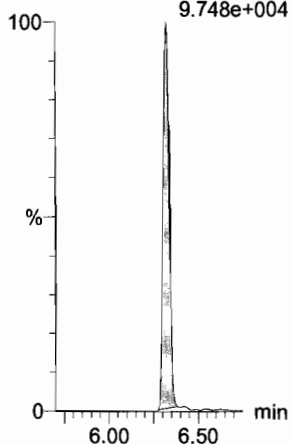
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.599e+005



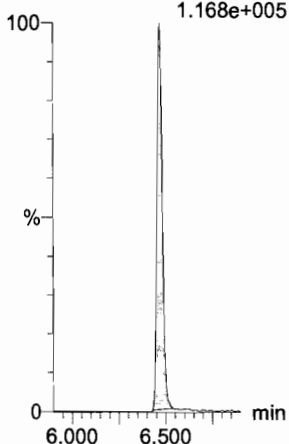
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
9.748e+004



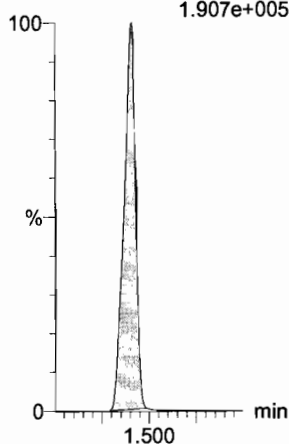
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.168e+005



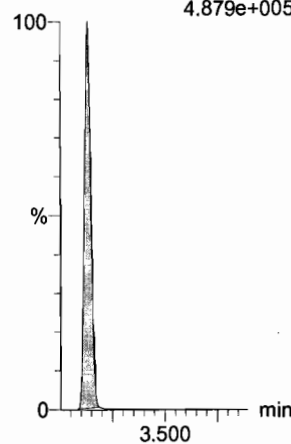
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.907e+005



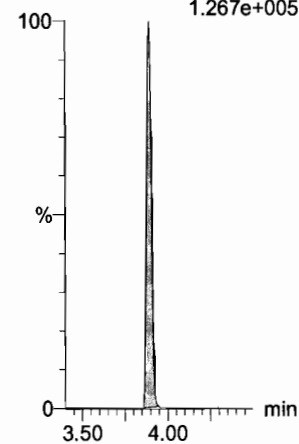
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.879e+005



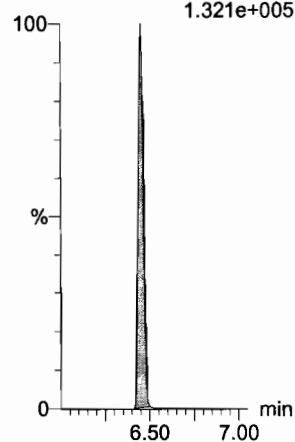
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.267e+005



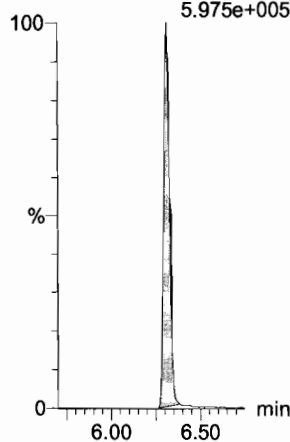
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.321e+005



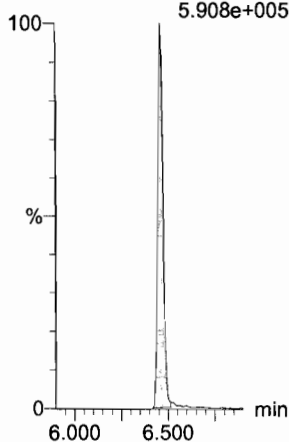
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
5.975e+005



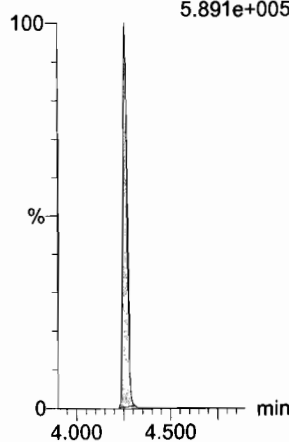
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
5.908e+005



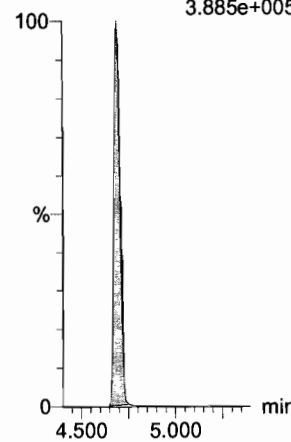
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.891e+005



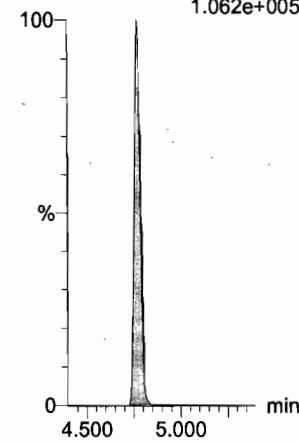
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
3.885e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.062e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

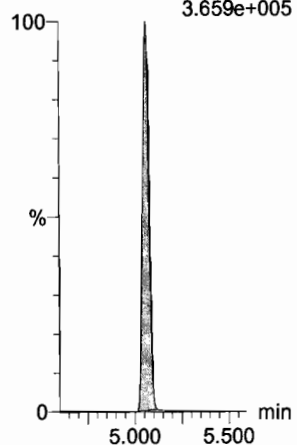
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_6, Date: 30-Dec-2017, Time: 23:40:25, ID: ST171230M3-5 PFC CS2 17L2610, Description: PFC CS2 17L2610

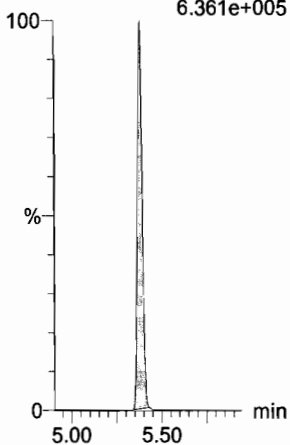
13C6-PFDA

F37:MRM of 1 channel, ES-
519.1 > 473.7
3.659e+005



13C7-PFUdA

F45:MRM of 1 channel, ES-
570.1 > 524.8
6.361e+005



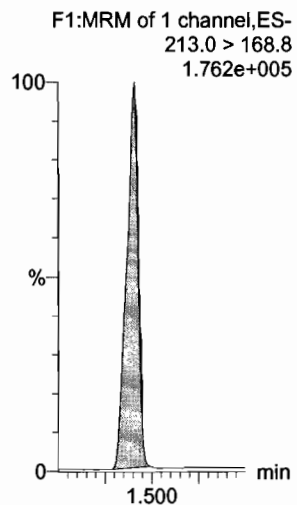
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Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

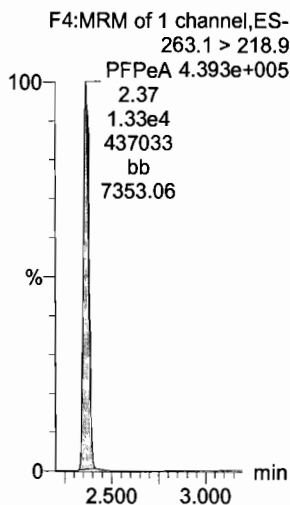
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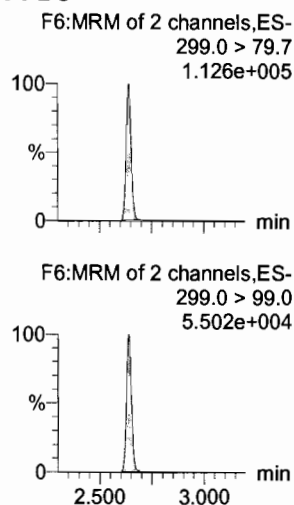
PFBA



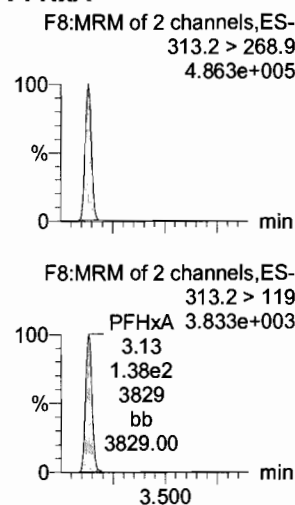
PFPeA



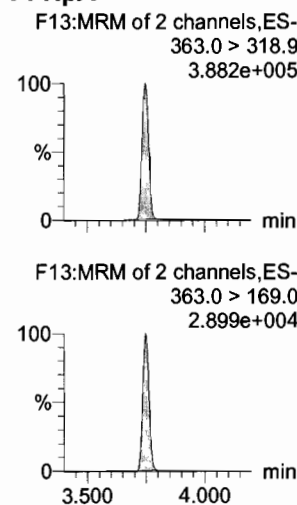
PFBS



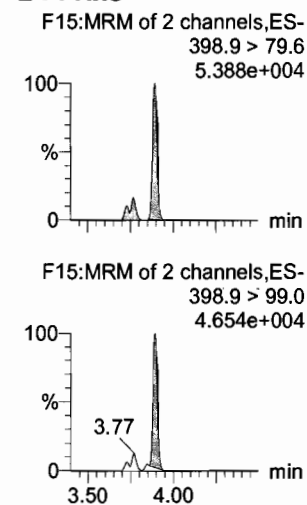
PFHxA



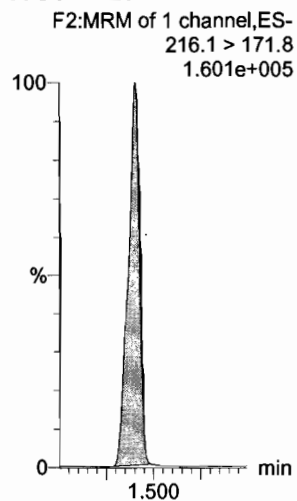
PFHpA



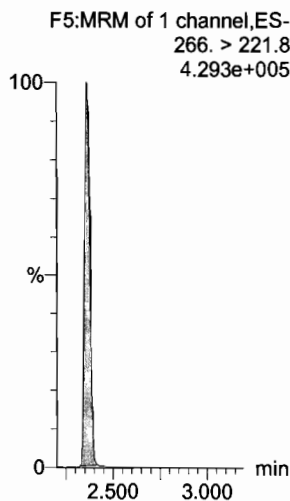
L-PFHxS



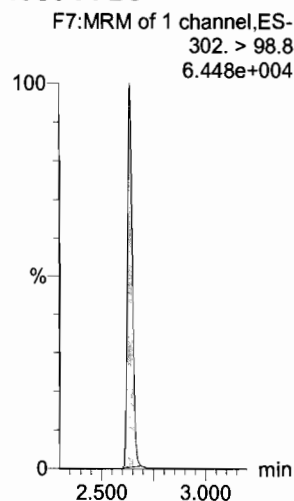
13C3-PFBA



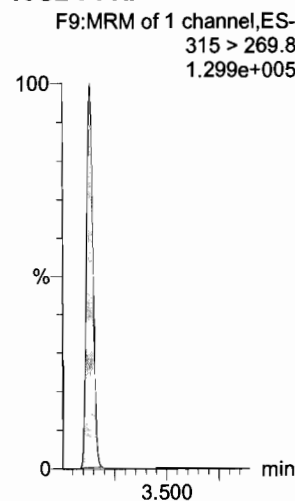
13C3-PFPeA



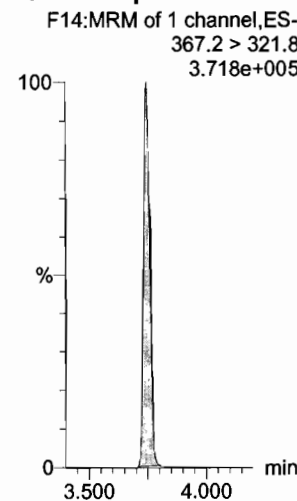
13C3-PFBS



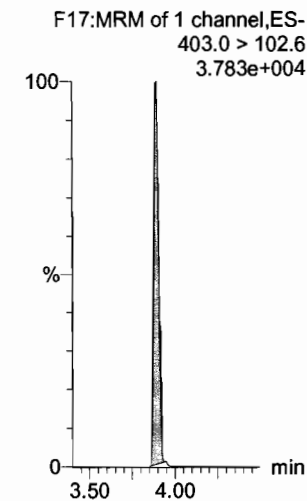
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

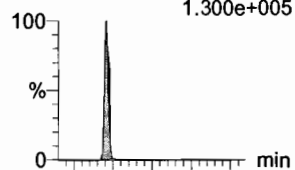
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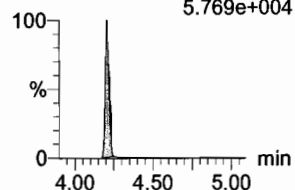
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6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.300e+005

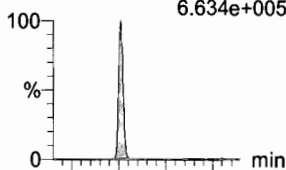


F21:MRM of 2 channels,ES-
427.1 > 80
5.769e+004

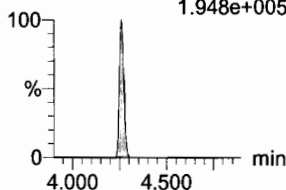


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
6.634e+005

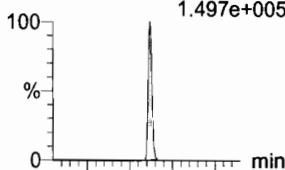


F18:MRM of 2 channels,ES-
413 > 169
1.948e+005

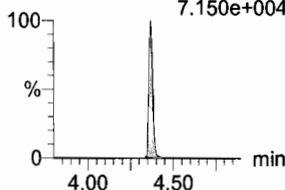


PFHps

F23:MRM of 2 channels,ES-
449 > 80.0
1.497e+005

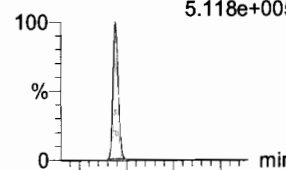


F23:MRM of 2 channels,ES-
449 > 98.7
7.150e+004

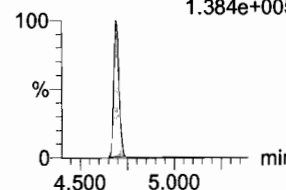


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
5.118e+005

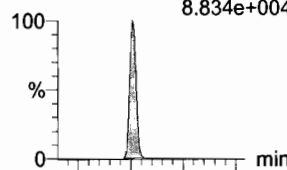


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.384e+005

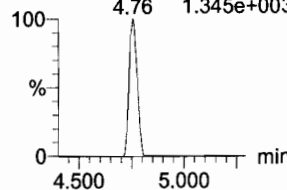


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
8.834e+004

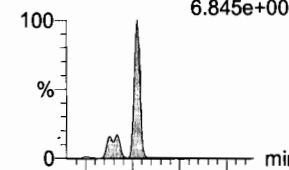


F27:MRM of 2 channels,ES-
498.1 > 478
1.345e+003

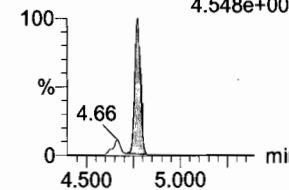


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
6.845e+004

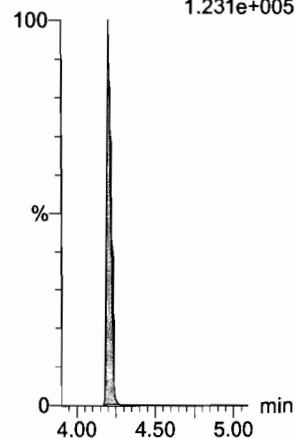


F29:MRM of 2 channels,ES-
499 > 99
4.548e+004



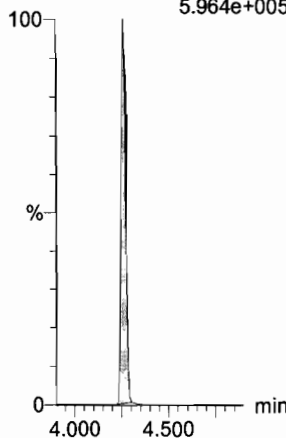
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.231e+005



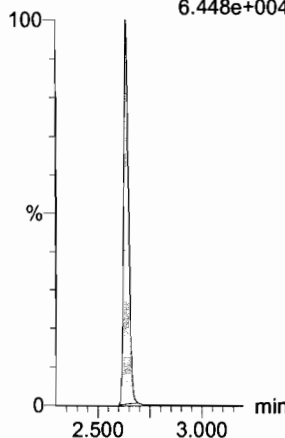
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.964e+005



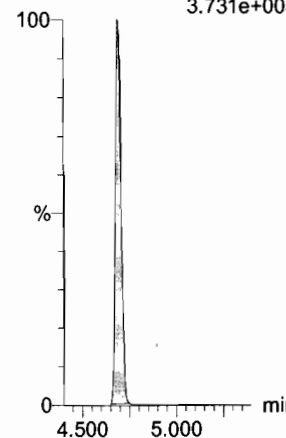
13C3-PFBs

F7:MRM of 1 channel,ES-
302. > 98.8
6.448e+004



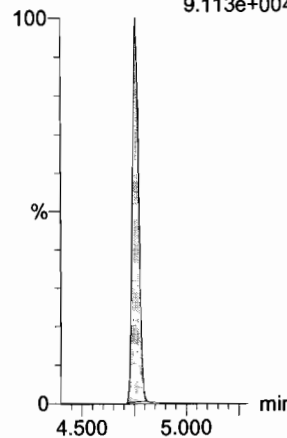
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
3.731e+005



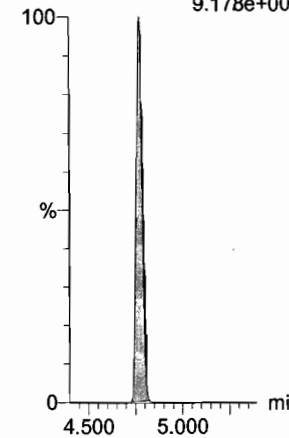
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
9.113e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
9.178e+004



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

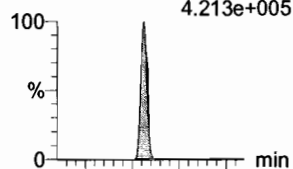
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

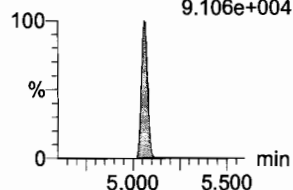
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PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
4.213e+005

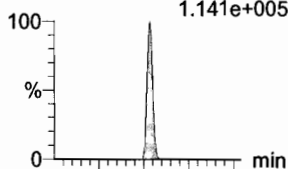


F34:MRM of 2 channels,ES-
513 > 219
9.106e+004

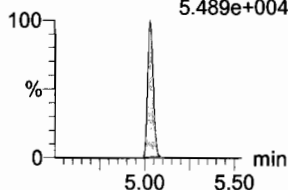


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
1.141e+005

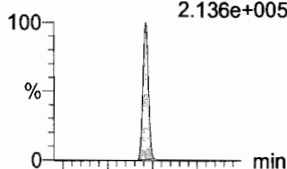


F39:MRM of 2 channels,ES-
527 > 80
5.489e+004

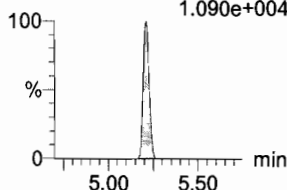


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
2.136e+005

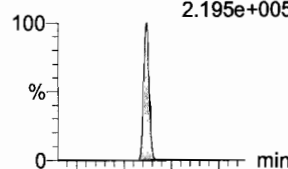


F44:MRM of 2 channels,ES-
570.1 > 483.0
1.090e+004

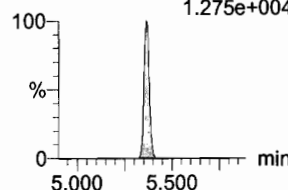


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
2.195e+005

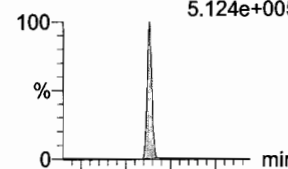


F47:MRM of 2 channels,ES-
584.2 > 483.0
1.275e+004

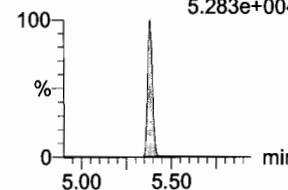


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
5.124e+005

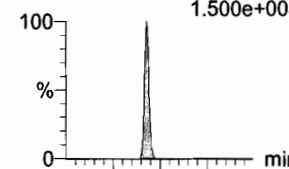


F42:MRM of 2 channels,ES-
563.0 > 269
5.283e+004

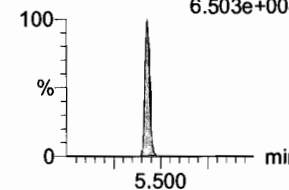


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
1.500e+005

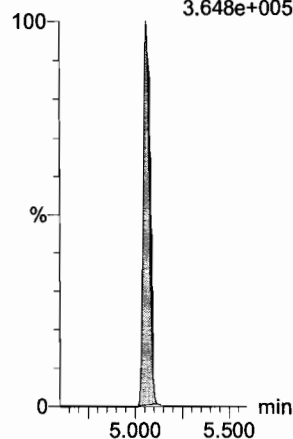


F49:MRM of 2 channels,ES-
598.8 > 98.7
6.503e+004



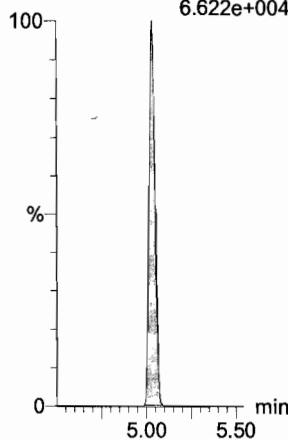
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
3.648e+005



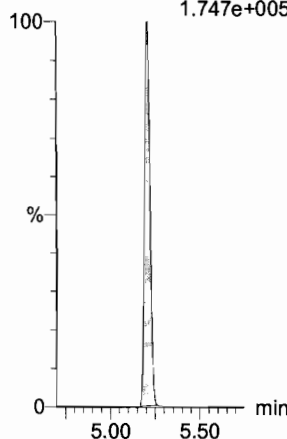
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
6.622e+004



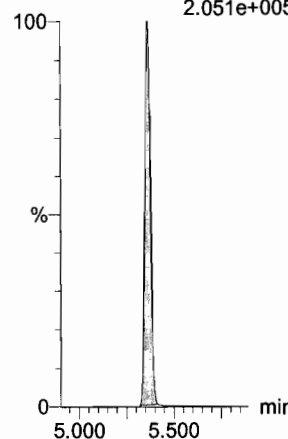
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.747e+005



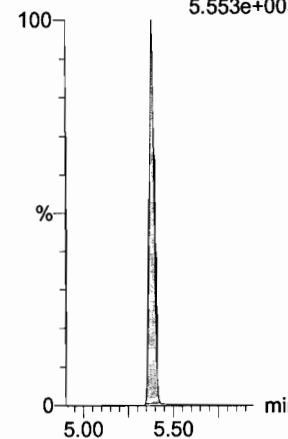
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
2.051e+005



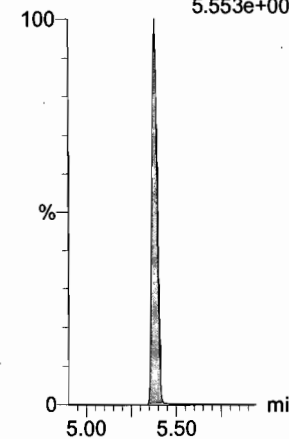
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.553e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.553e+005



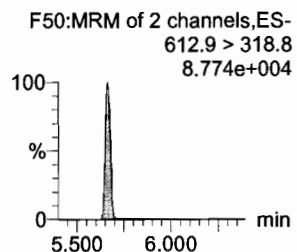
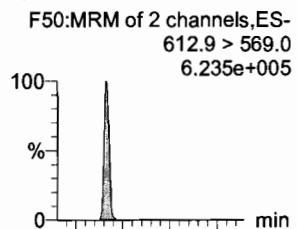
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Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

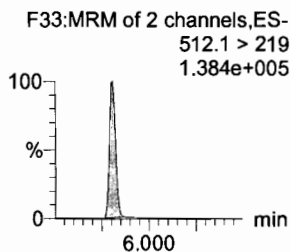
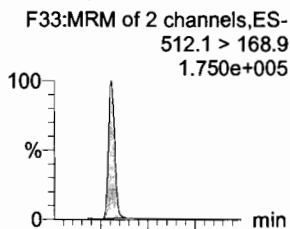
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Name: 171230M3_7, Date: 30-Dec-2017, Time: 23:51:35, ID: ST171230M3-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

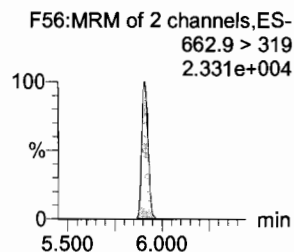
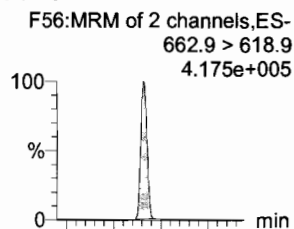
PFDaA



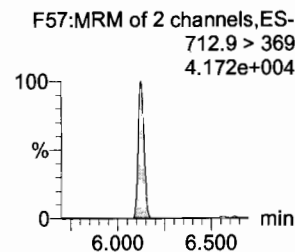
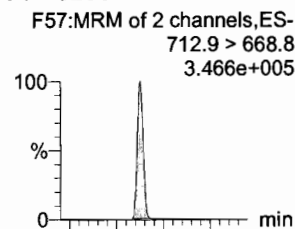
N-MeFOSA



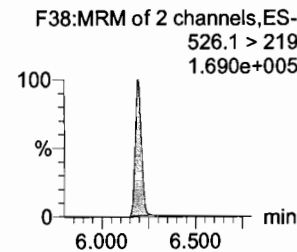
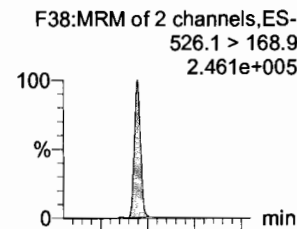
PFTrDA



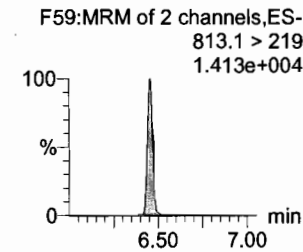
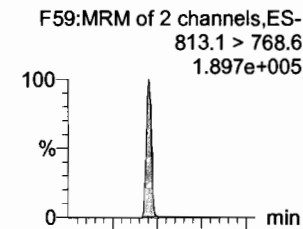
PFTeDA



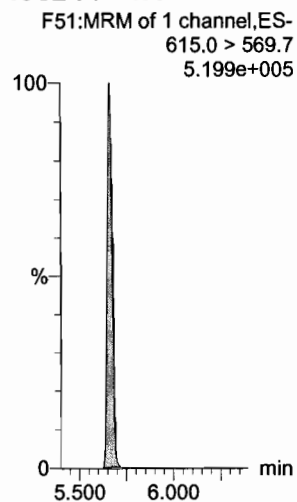
N-EtFOSA



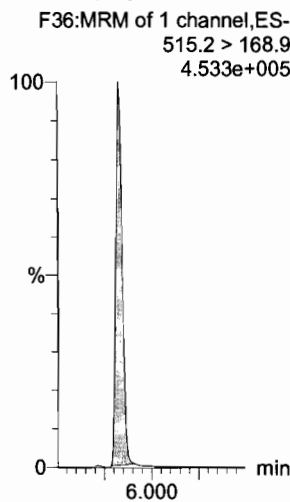
PFHxDA



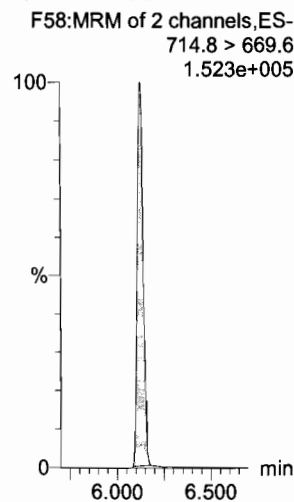
13C2-PFDaA



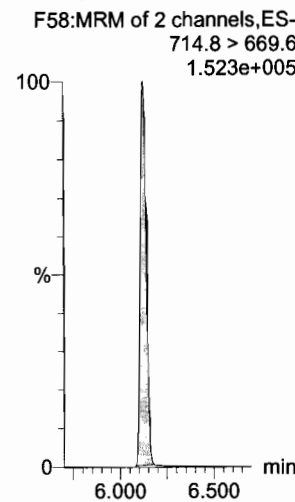
d3-N-MeFOSA



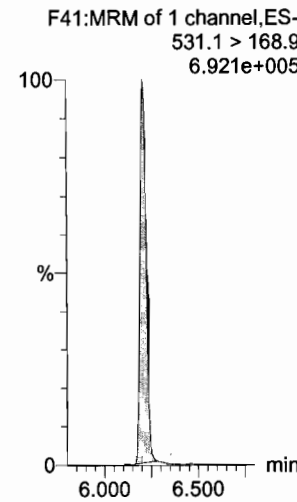
13C2-PFTeDA



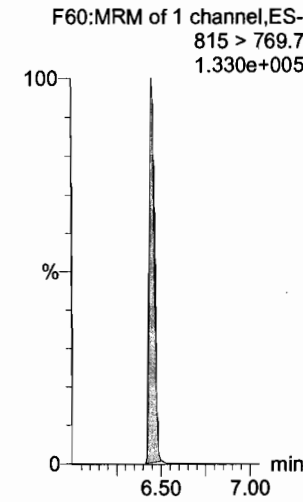
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

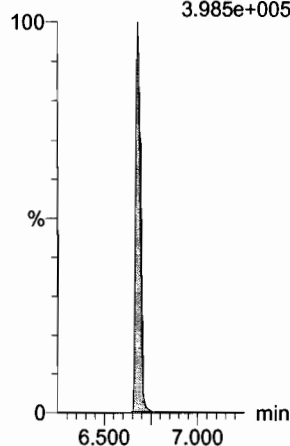
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_7, Date: 30-Dec-2017, Time: 23:51:35, ID: ST171230M3-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

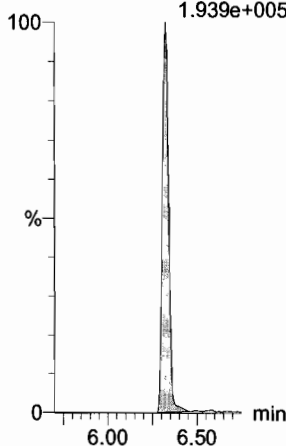
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
3.985e+005



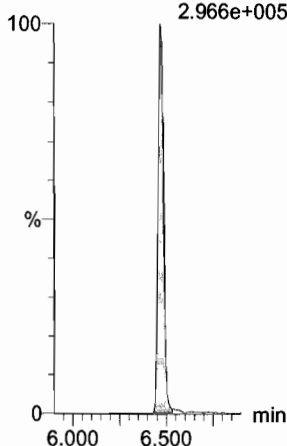
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.939e+005



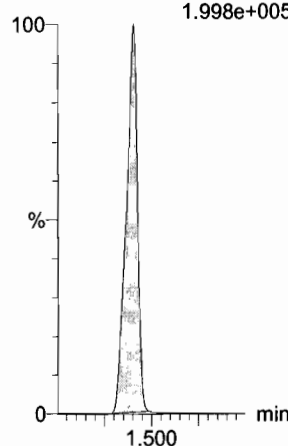
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.966e+005



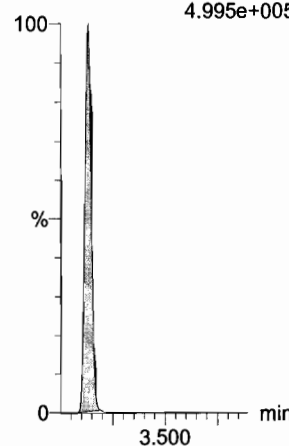
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.998e+005



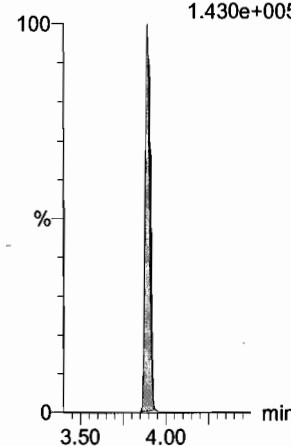
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.995e+005



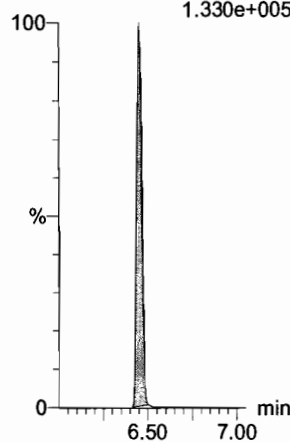
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.430e+005



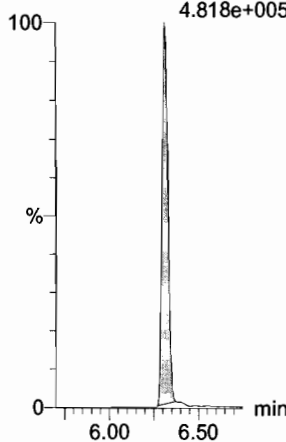
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.330e+005



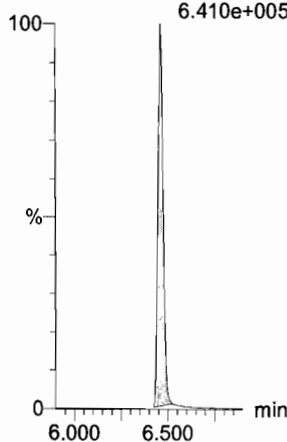
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.818e+005



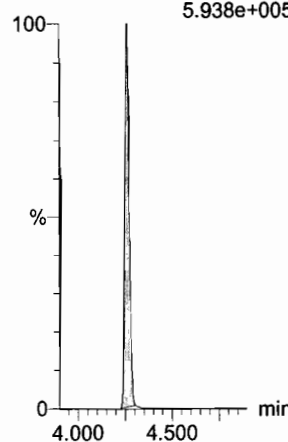
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.410e+005



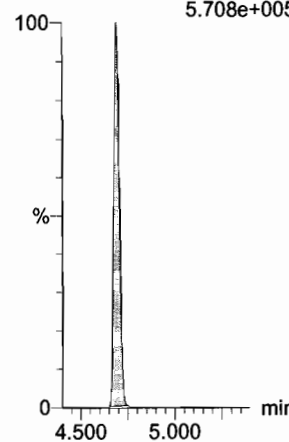
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.938e+005



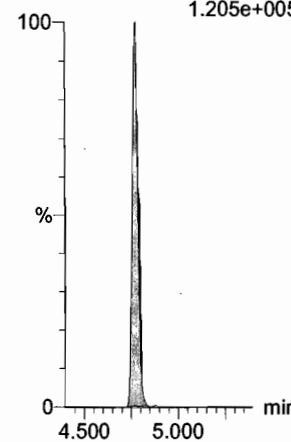
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.708e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.205e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

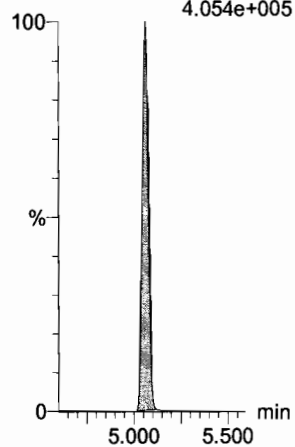
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_7, Date: 30-Dec-2017, Time: 23:51:35, ID: ST171230M3-6 PFC CS3 17L2611, Description: PFC CS3 17L2611

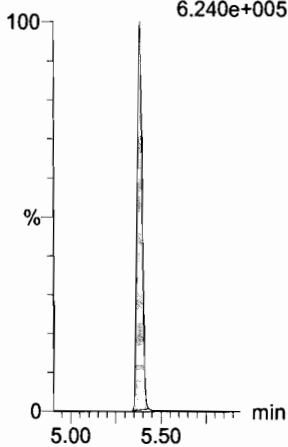
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
4.054e+005



13C7-PFUDa

F45:MRM of 1 channel,ES-
570.1 > 524.8
6.240e+005



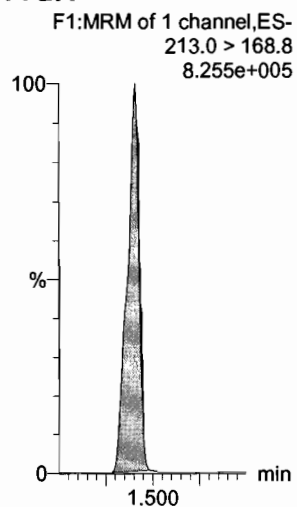
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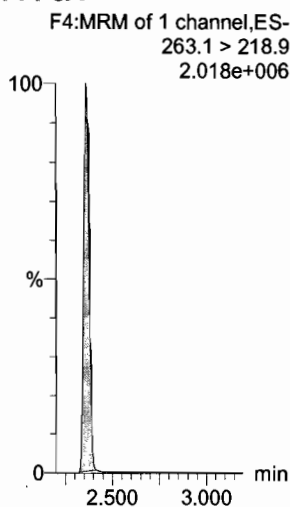
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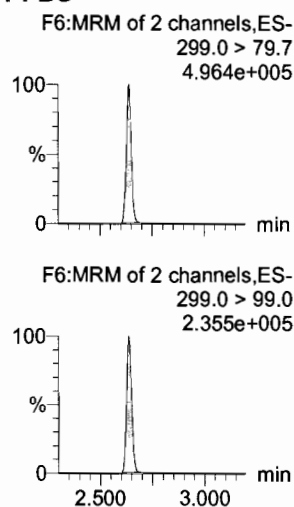
PFBA



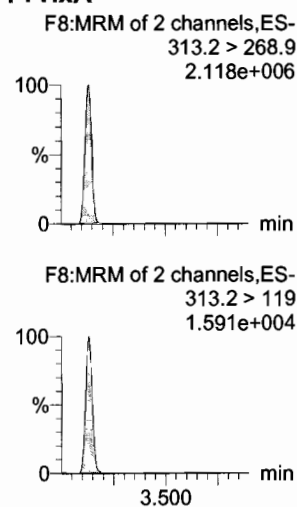
PFPeA



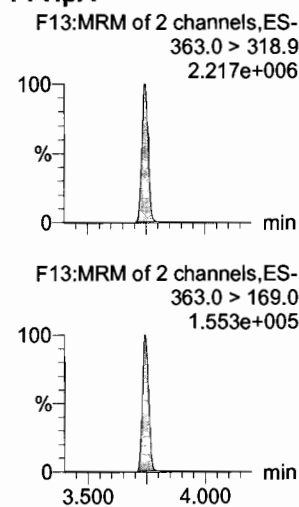
PFBS



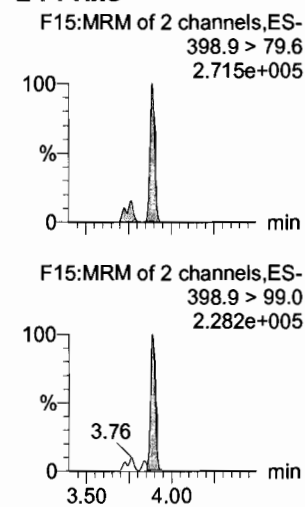
PFHxA



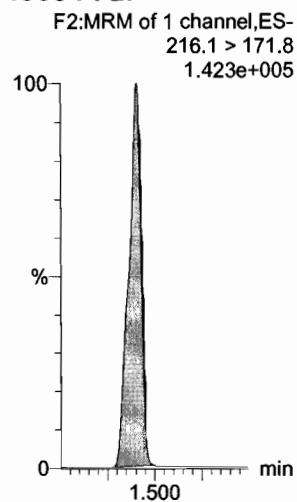
PFHpA



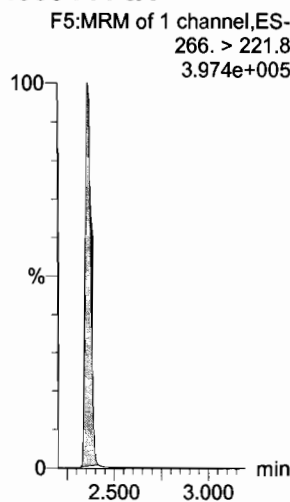
L-PFHxS



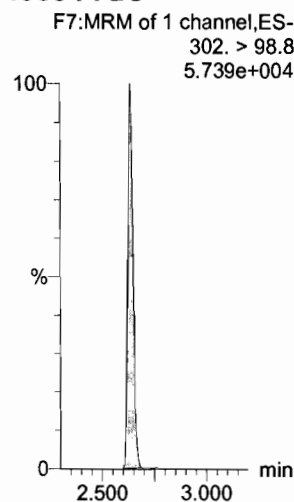
13C3-PFBA



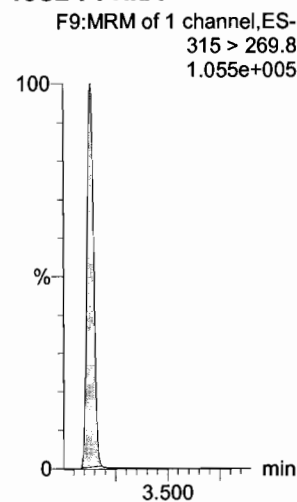
13C3-PFPeA



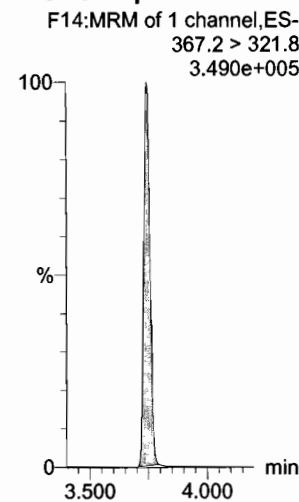
13C3-PFBS



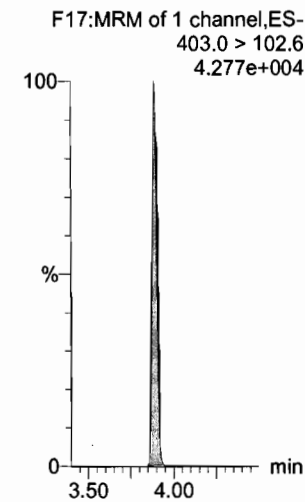
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



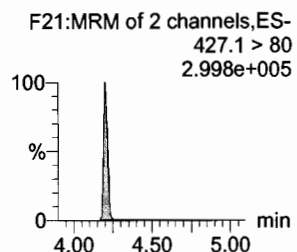
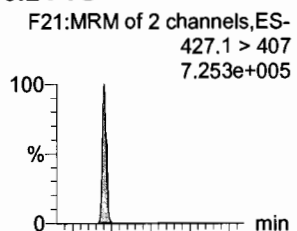
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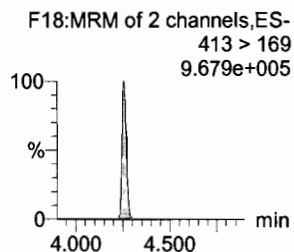
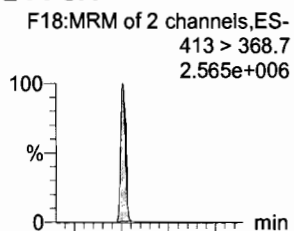
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Name: 171230M3_8, Date: 31-Dec-2017, Time: 00:02:47, ID: ST171230M3-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

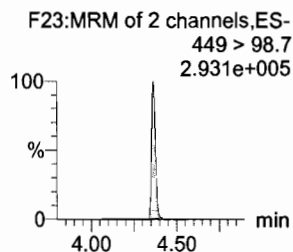
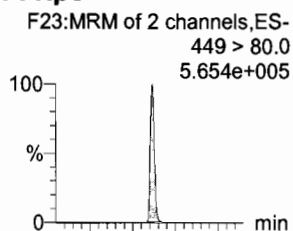
6:2 FTS



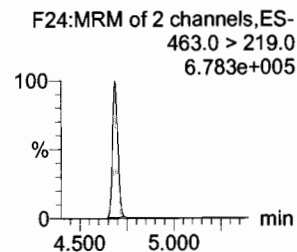
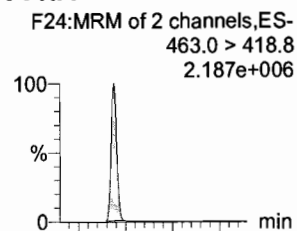
L-PFOA



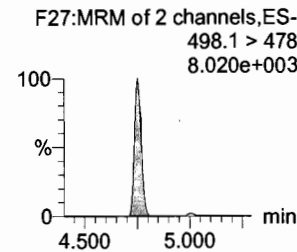
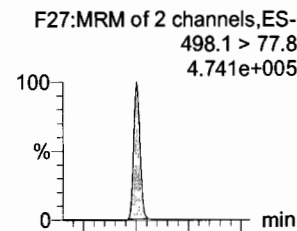
PFHpS



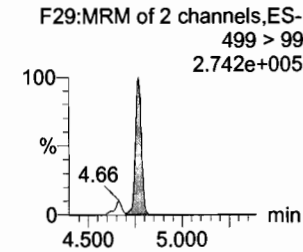
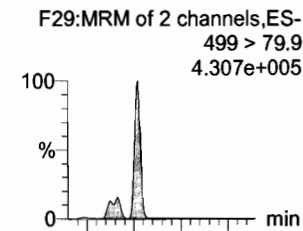
PFNA



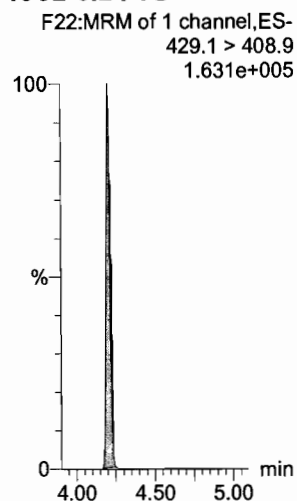
PFOSA



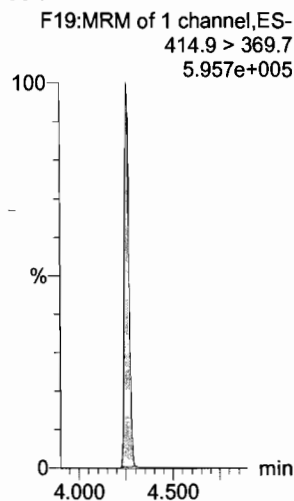
L-PFOS



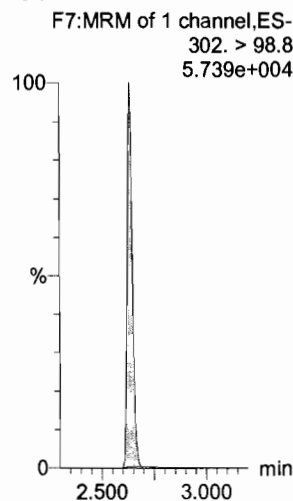
13C2-6:2 FTS



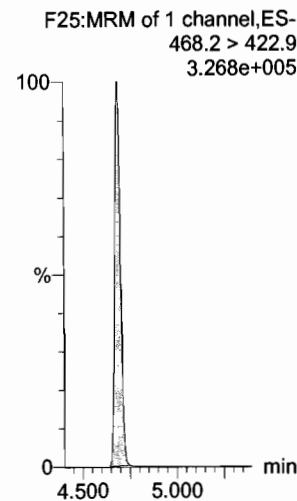
13C2-PFOA



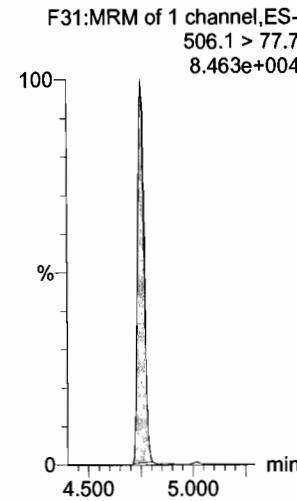
13C3-PFBS



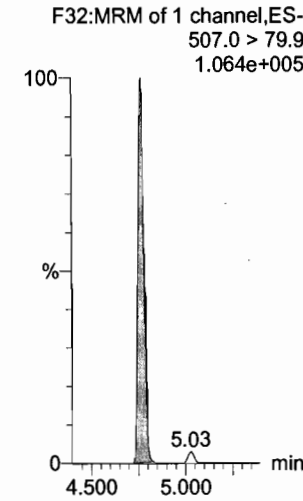
13C5-PFNA



13C8-PFOSA



13C8-PFOS



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

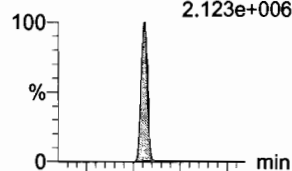
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

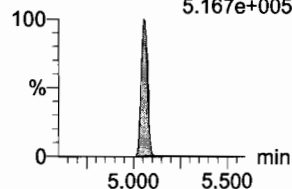
Name: 171230M3_8, Date: 31-Dec-2017, Time: 00:02:47, ID: ST171230M3-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

PFDA

F34:MRM of 2 channels,ES-
513 > 468.8
2.123e+006

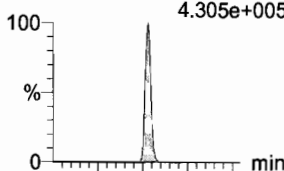


F34:MRM of 2 channels,ES-
513 > 219
5.167e+005

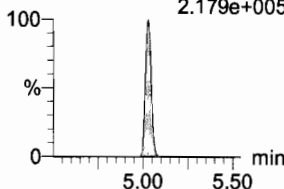


8:2 FTS

F39:MRM of 2 channels,ES-
527 > 506.9
4.305e+005

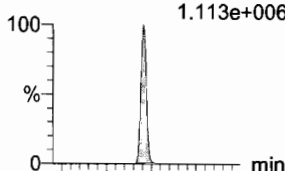


F39:MRM of 2 channels,ES-
527 > 80
2.179e+005

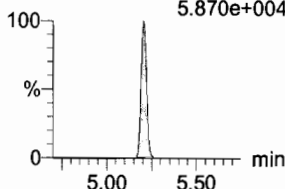


N-MeFOSAA

F44:MRM of 2 channels,ES-
570.1 > 419
1.113e+006

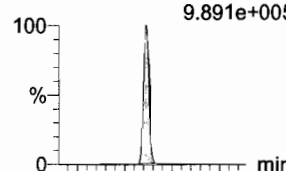


F44:MRM of 2 channels,ES-
570.1 > 483.0
5.870e+004

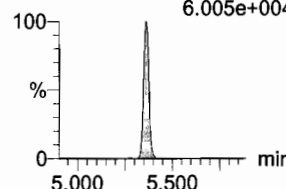


N-EtFOSAA

F47:MRM of 2 channels,ES-
584.2 > 419
9.891e+005

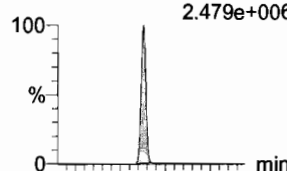


F47:MRM of 2 channels,ES-
584.2 > 483.0
6.005e+004

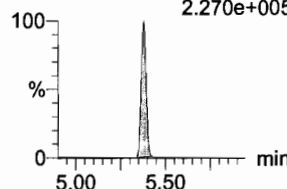


PFUdA

F42:MRM of 2 channels,ES-
563.0 > 518.9
2.479e+006

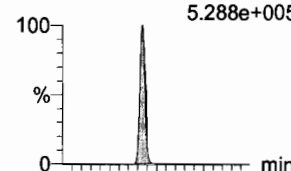


F42:MRM of 2 channels,ES-
563.0 > 269
2.270e+005

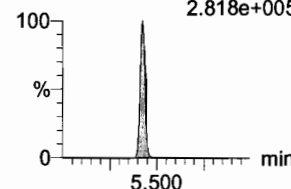


PFDS

F49:MRM of 2 channels,ES-
598.8 > 80
5.288e+005

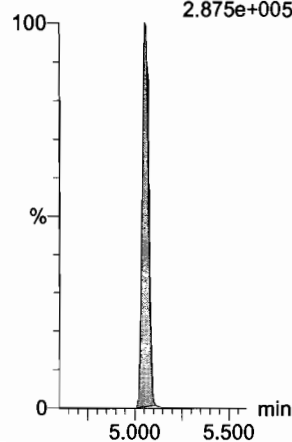


F49:MRM of 2 channels,ES-
598.8 > 98.7
2.818e+005



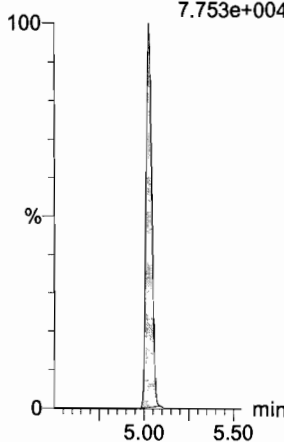
13C2-PFDA

F35:MRM of 1 channel,ES-
515.1 > 469.9
2.875e+005



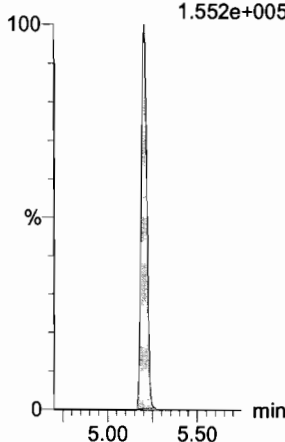
13C2-8:2 FTS

F40:MRM of 1 channel,ES-
529.1 > 508.7
7.753e+004



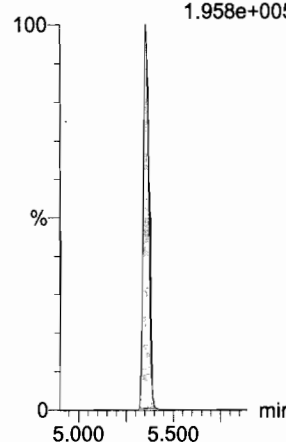
d3-N-MeFOSAA

F46:MRM of 1 channel,ES-
573.3 > 419
1.552e+005



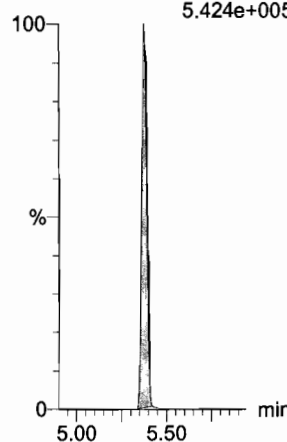
d5-N-EtFOSAA

F48:MRM of 1 channel,ES-
589.3 > 419
1.958e+005



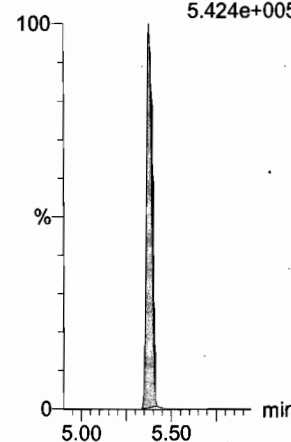
13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.424e+005



13C2-PFUdA

F43:MRM of 1 channel,ES-
565 > 519.8
5.424e+005



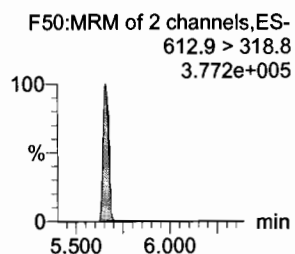
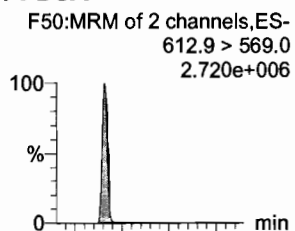
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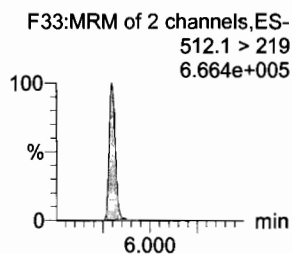
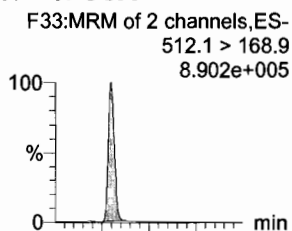
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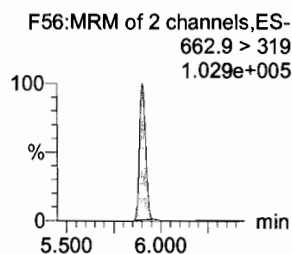
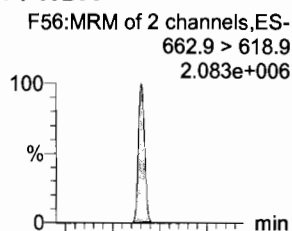
PFDaA



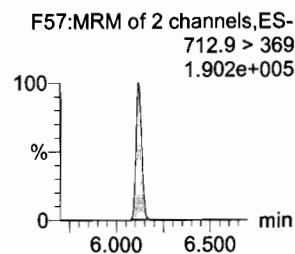
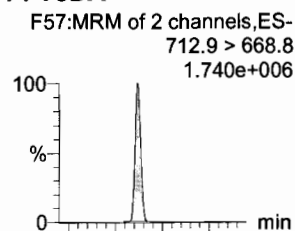
N-MeFOSA



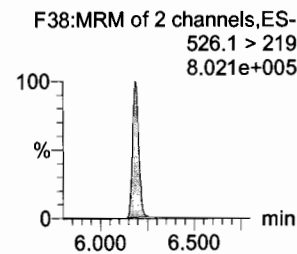
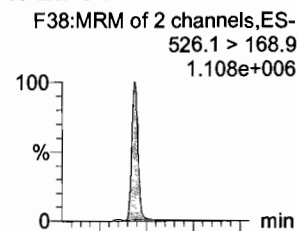
PFTrDA



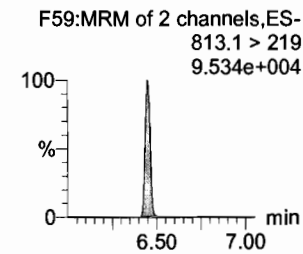
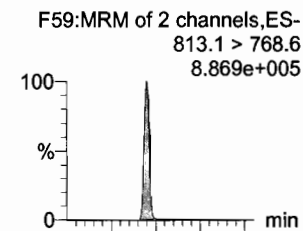
PFTeDA



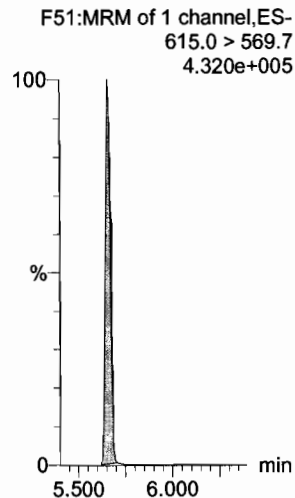
N-EtFOSA



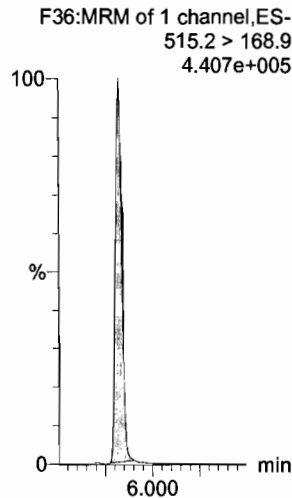
PFHxDA



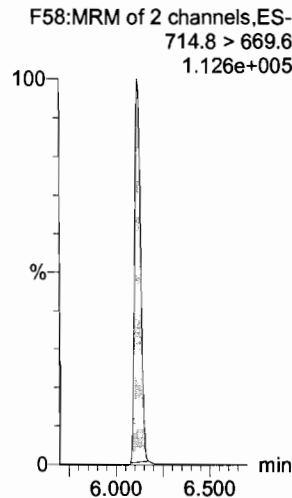
13C2-PFDaA



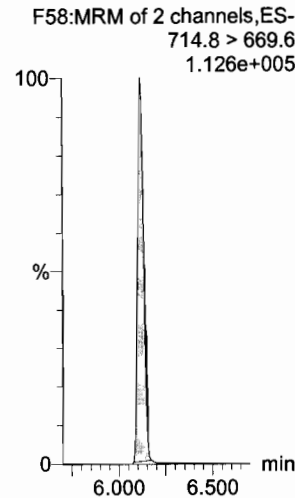
d3-N-MeFOSA



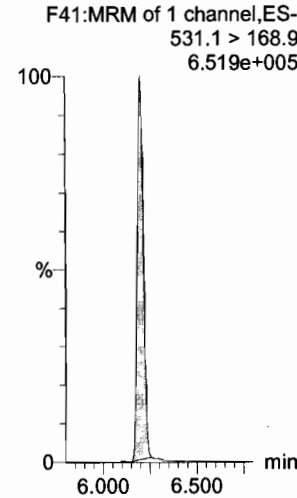
13C2-PFTeDA



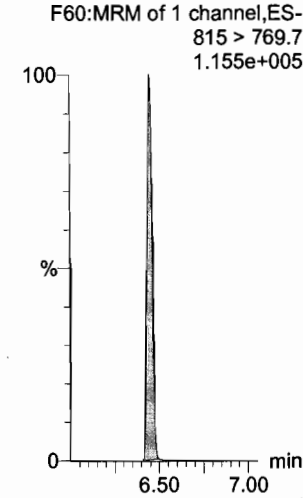
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

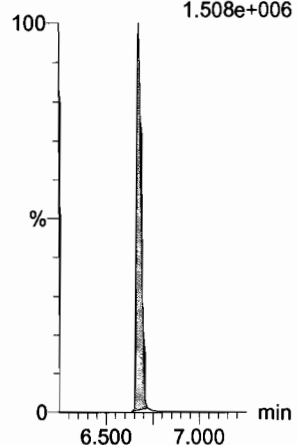
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Name: 171230M3_8, Date: 31-Dec-2017, Time: 00:02:47, ID: ST171230M3-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

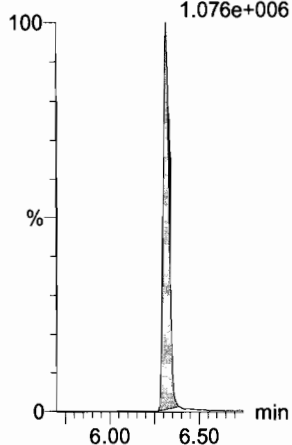
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
1.508e+006



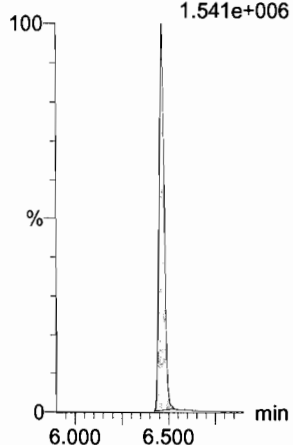
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.076e+006



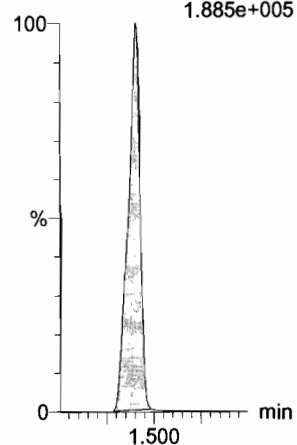
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
1.541e+006



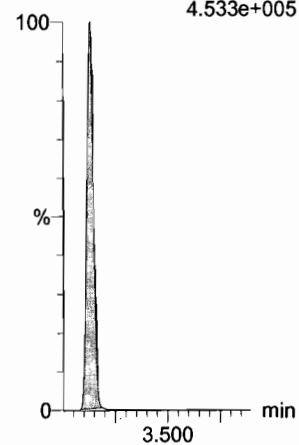
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.885e+005



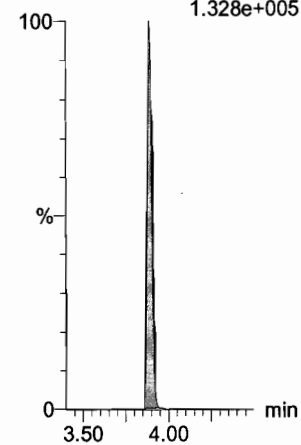
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.533e+005



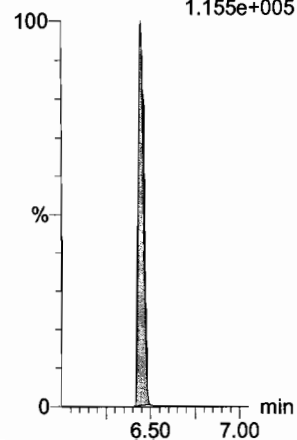
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.328e+005



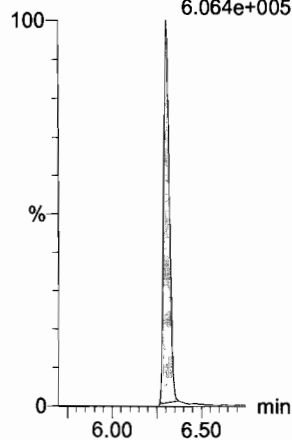
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.155e+005



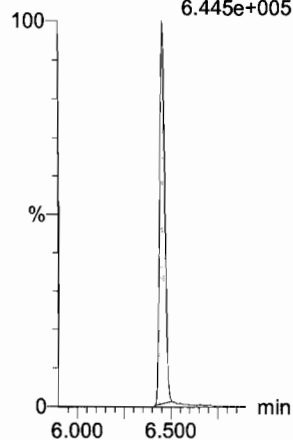
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
6.064e+005



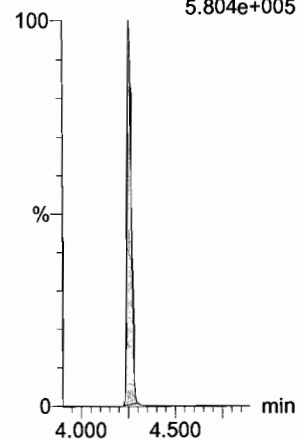
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.445e+005



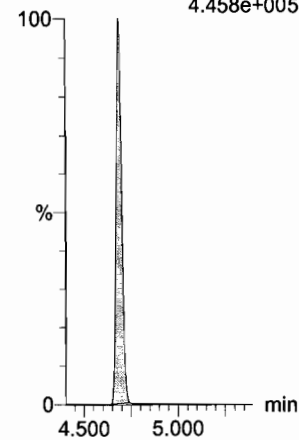
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.804e+005



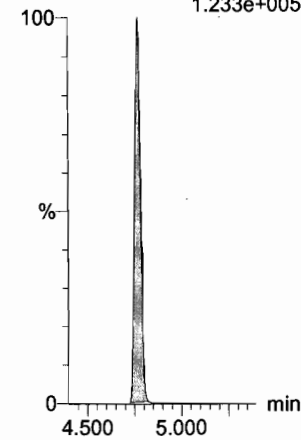
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
4.458e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.233e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

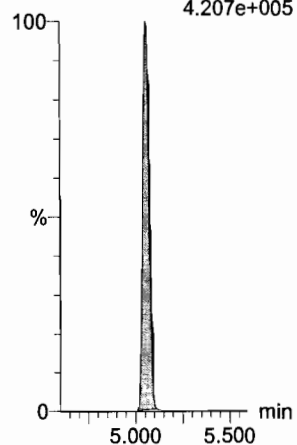
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Name: 171230M3_8, Date: 31-Dec-2017, Time: 00:02:47, ID: ST171230M3-7 PFC CS4 17L2612, Description: PFC CS4 17L2612

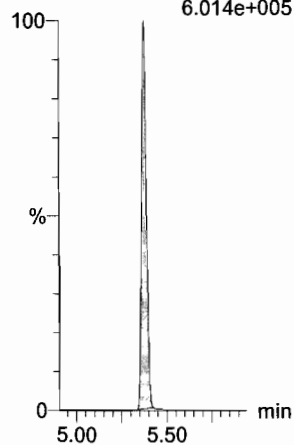
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
4.207e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
6.014e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

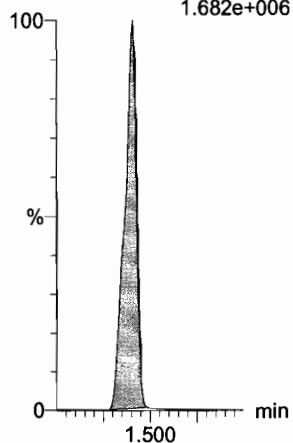
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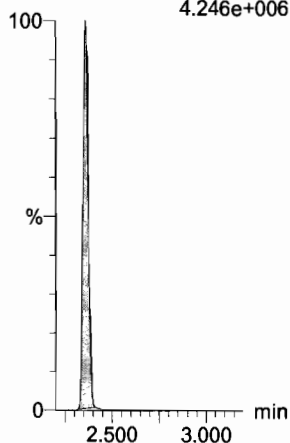
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.682e+006



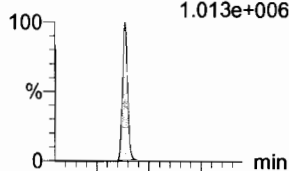
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
4.246e+006

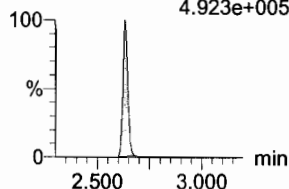


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
1.013e+006

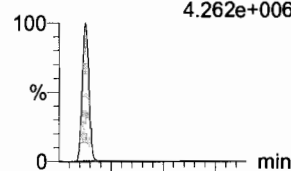


F6:MRM of 2 channels,ES-
299.0 > 99.0
4.923e+005

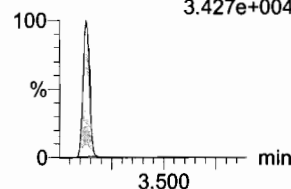


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
4.262e+006

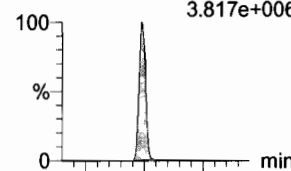


F8:MRM of 2 channels,ES-
313.2 > 119
3.427e+004

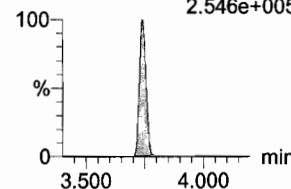


PFHpA

F13:MRM of 2 channels,ES-
363.0 > 318.9
3.817e+006

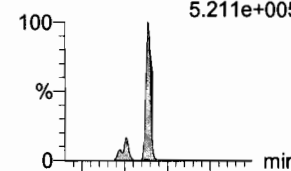


F13:MRM of 2 channels,ES-
363.0 > 169.0
2.546e+005

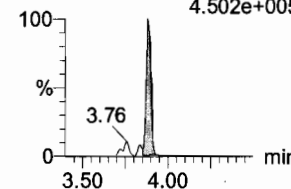


L-PFHxS

F15:MRM of 2 channels,ES-
398.9 > 79.6
5.211e+005

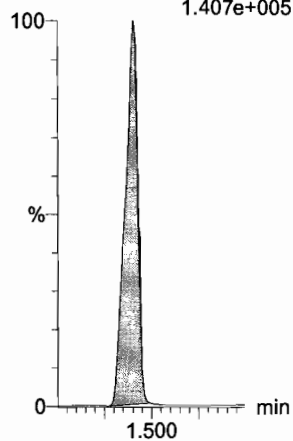


F15:MRM of 2 channels,ES-
398.9 > 99.0
4.502e+005



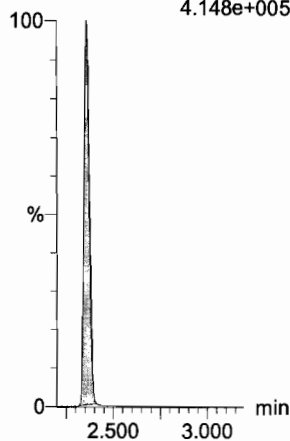
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.407e+005



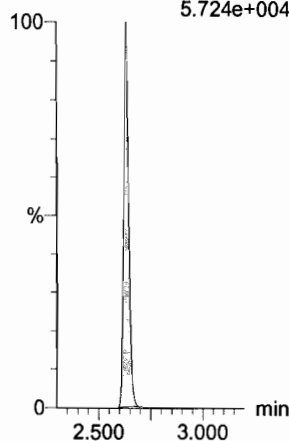
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
4.148e+005



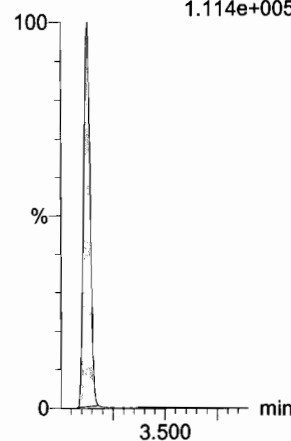
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.724e+004



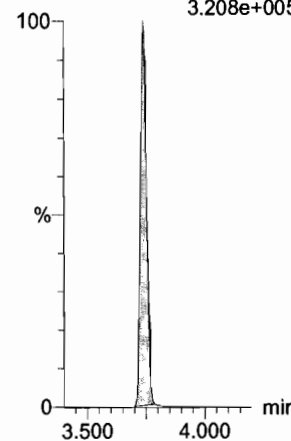
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.114e+005



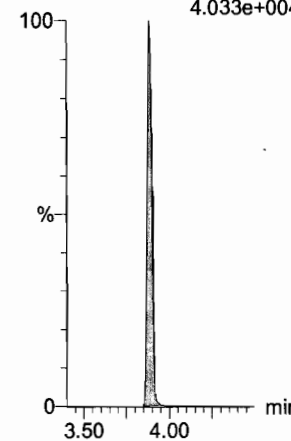
13C4-PFHpA

F14:MRM of 1 channel,ES-
367.2 > 321.8
3.208e+005



18O2-PFHxS

F17:MRM of 1 channel,ES-
403.0 > 102.6
4.033e+004



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

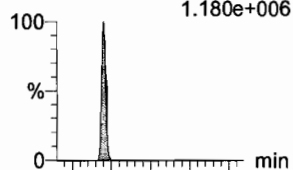
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Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

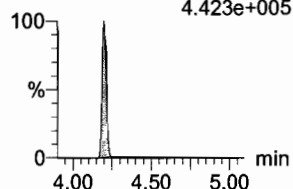
Name: 171230M3_9, Date: 31-Dec-2017, Time: 00:13:57, ID: ST171230M3-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.180e+006

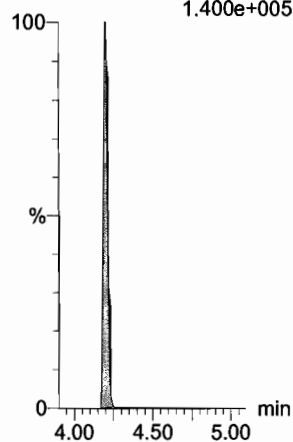


F21:MRM of 2 channels,ES-
427.1 > 80
4.423e+005



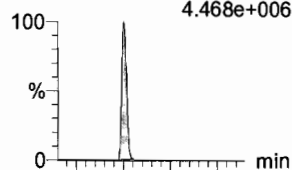
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.400e+005

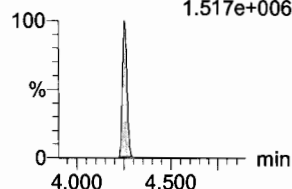


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
4.468e+006

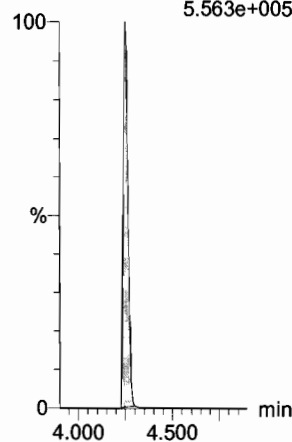


F18:MRM of 2 channels,ES-
413 > 169
1.517e+006



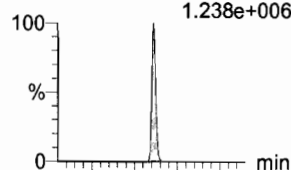
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
5.563e+005

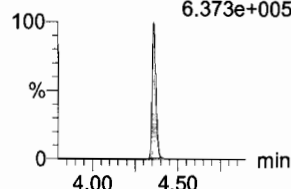


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.238e+006

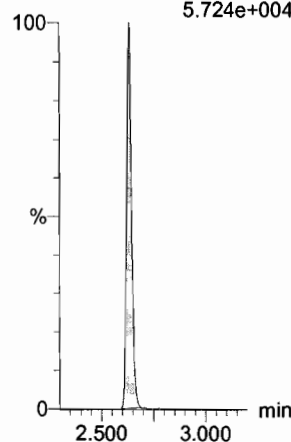


F23:MRM of 2 channels,ES-
449 > 98.7
6.373e+005



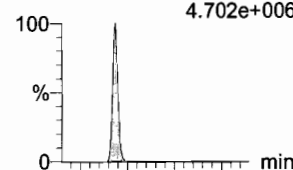
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.724e+004

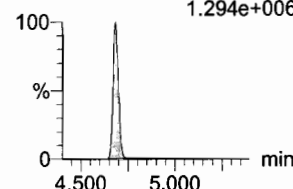


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.702e+006

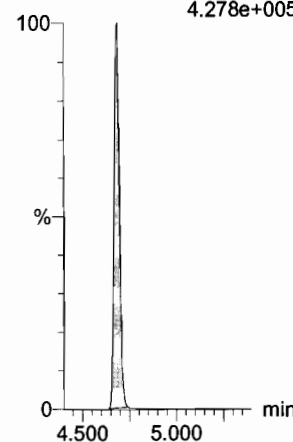


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.294e+006



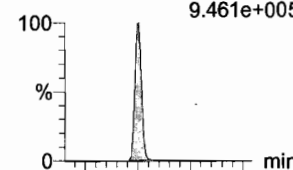
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.278e+005

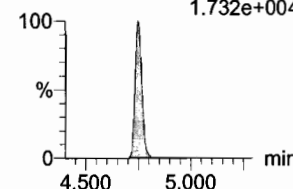


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
9.461e+005

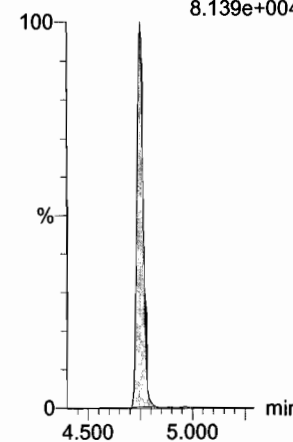


F27:MRM of 2 channels,ES-
498.1 > 478
1.732e+004



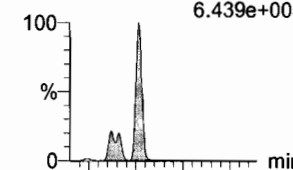
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
8.139e+004

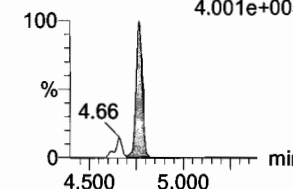


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
6.439e+005

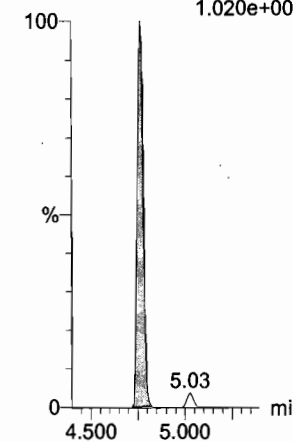


F29:MRM of 2 channels,ES-
499 > 99
4.001e+005



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.020e+005



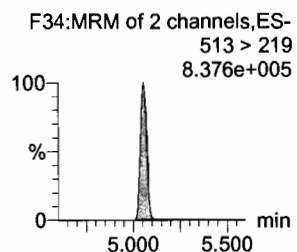
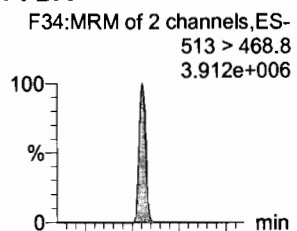
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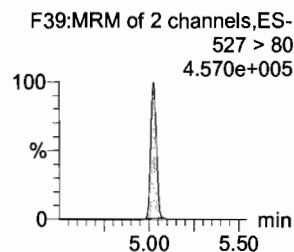
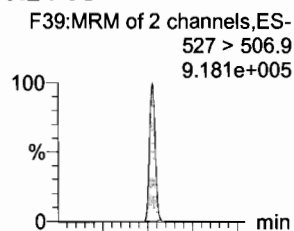
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Name: 171230M3_9, Date: 31-Dec-2017, Time: 00:13:57, ID: ST171230M3-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

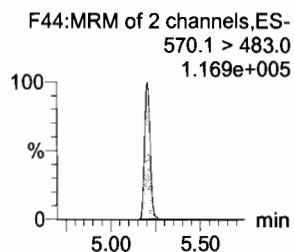
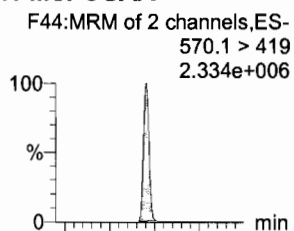
PFDA



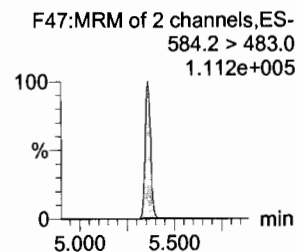
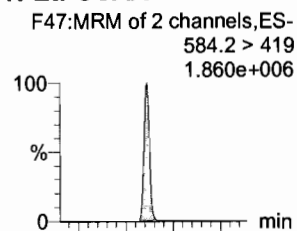
8:2 FTS



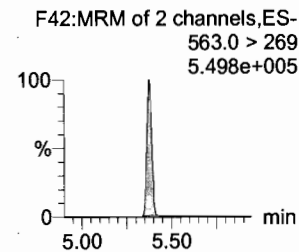
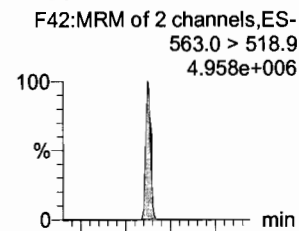
N-MeFOSAA



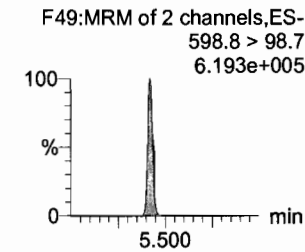
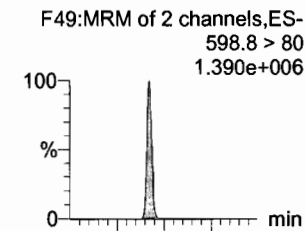
N-EtFOSAA



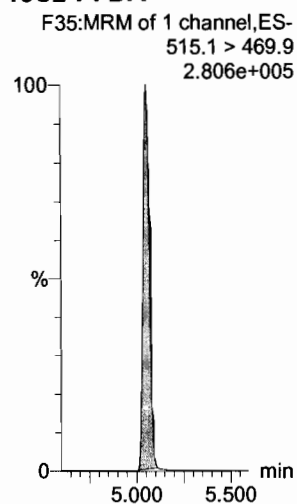
PFUdA



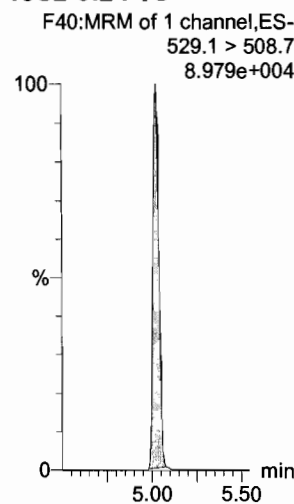
PFDS



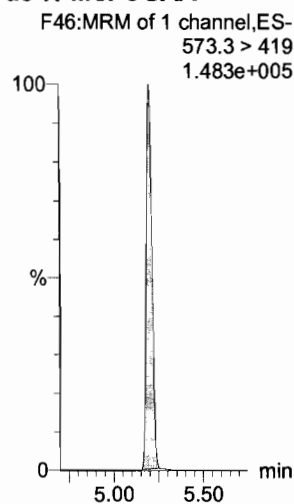
13C2-PFDA



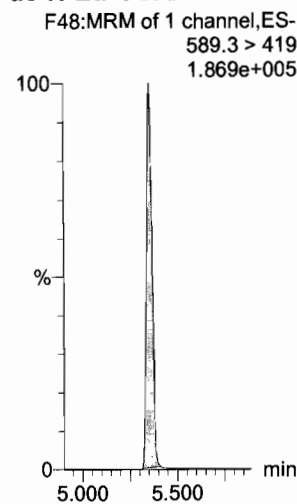
13C2-8:2 FTS



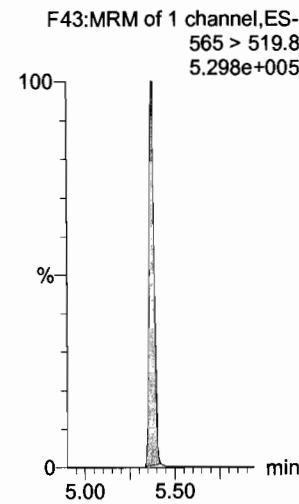
d3-N-MeFOSAA



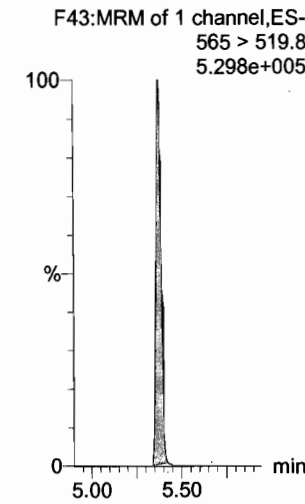
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



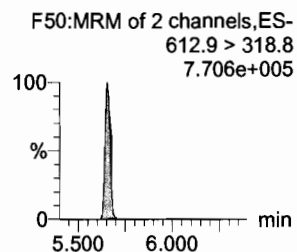
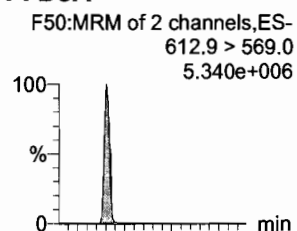
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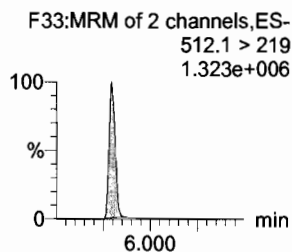
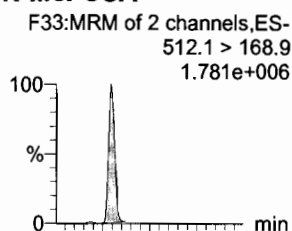
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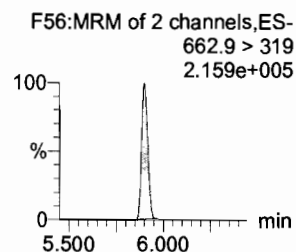
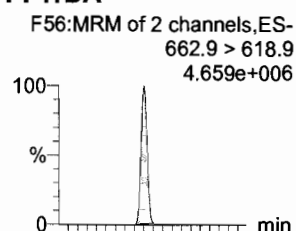
PFD_oA



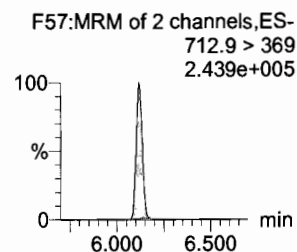
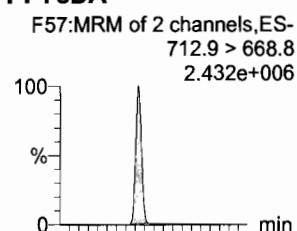
N-MeFOSA



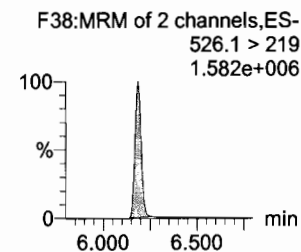
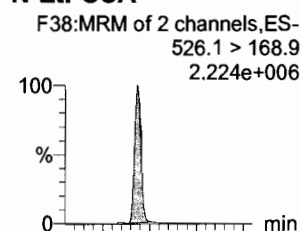
PFT_rDA



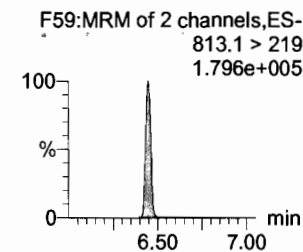
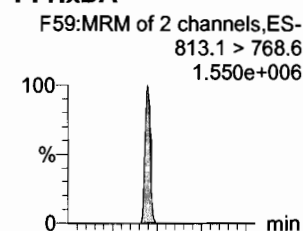
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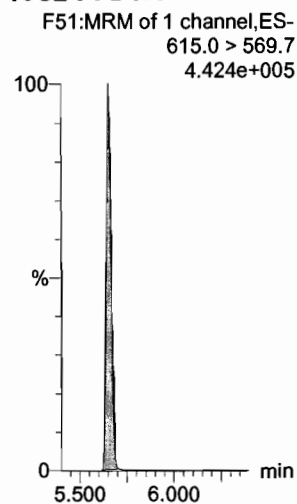
N-EtFOSA



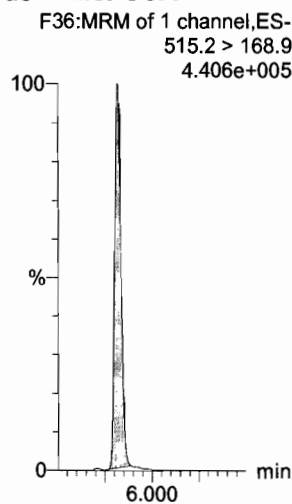
PFH_xDA



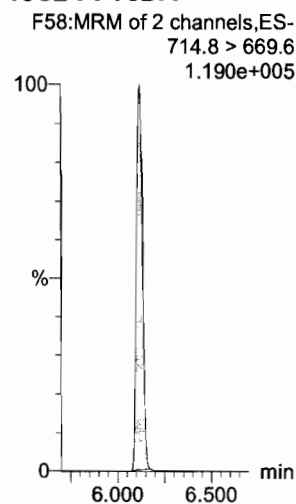
¹³C2-PFD_oA



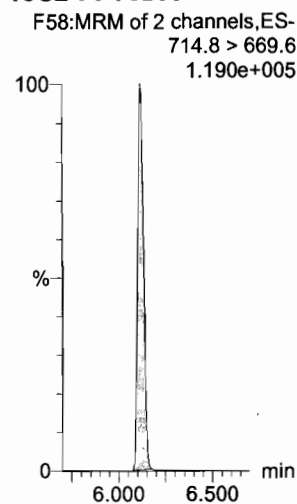
d3-N-MeFOSA



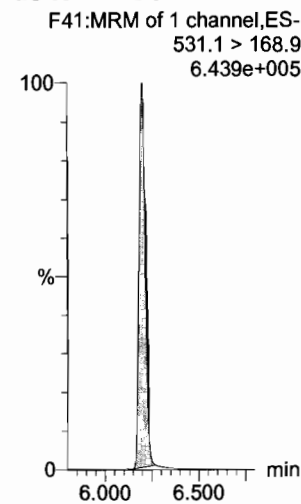
¹³C2-PFT_eDA



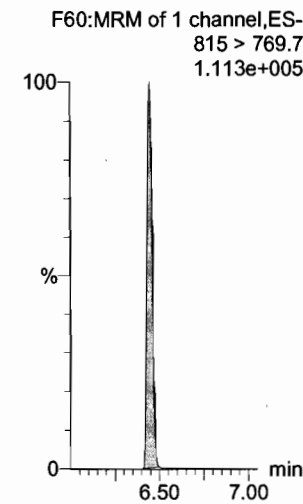
¹³C2-PFT_eDA



d5-N-ETFOSA



¹³C2-PFH_xDA



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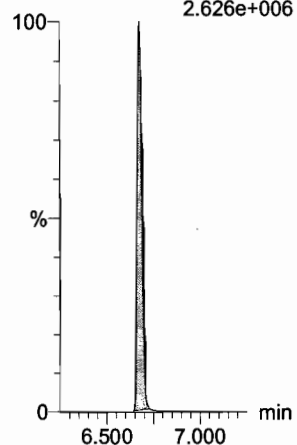
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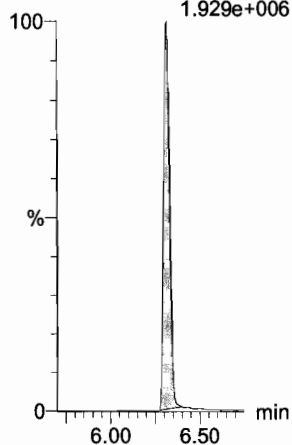
PFODA

F61:MRM of 1 channel,ES-
913.1 > 868.8
2.626e+006



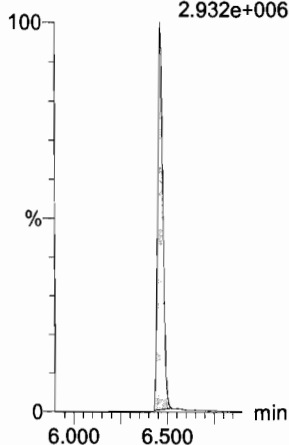
N-MeFOSE

F52:MRM of 1 channel,ES-
616.1 > 58.9
1.929e+006



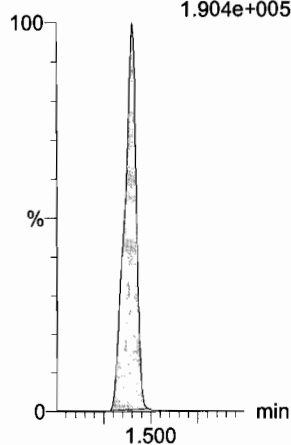
N-EtFOSE

F54:MRM of 1 channel,ES-
630.1 > 58.9
2.932e+006



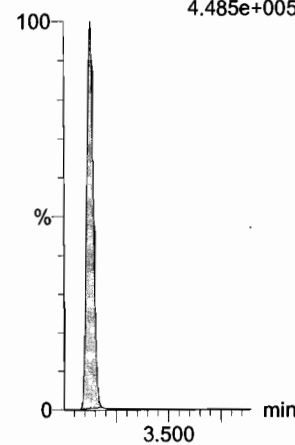
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.904e+005



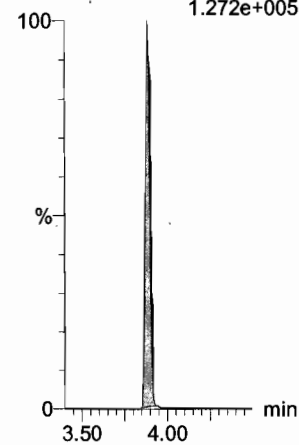
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.485e+005



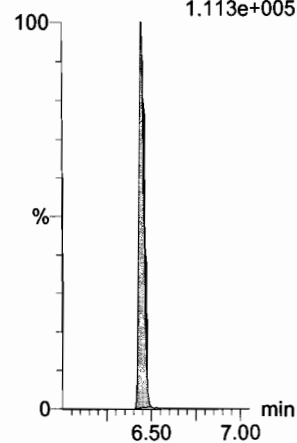
13C3-PFHxS

F16:MRM of 1 channel,ES-
401.9 > 79.9
1.272e+005



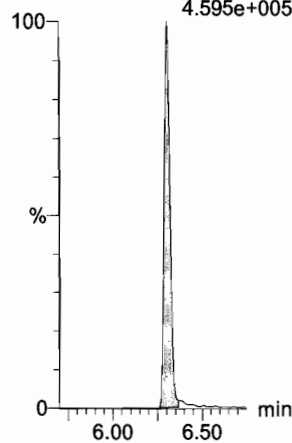
13C2-PFHxDA

F60:MRM of 1 channel,ES-
815 > 769.7
1.113e+005



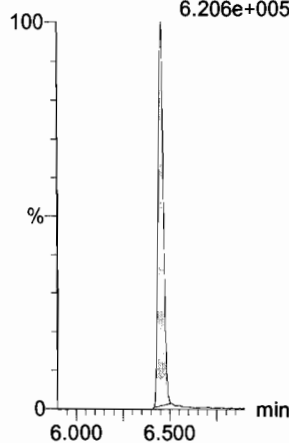
d7-N-MeFOSE

F53:MRM of 1 channel,ES-
623.1 > 58.9
4.595e+005



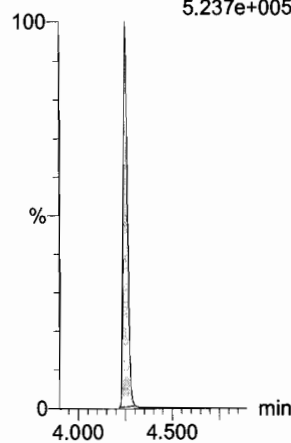
d9-N-EtFOSE

F55:MRM of 1 channel,ES-
639.2 > 58.8
6.206e+005



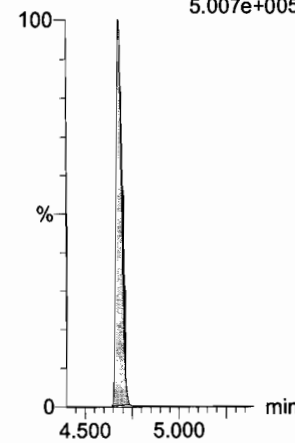
13C8-PFOA

F20:MRM of 1 channel,ES-
421.3 > 376
5.237e+005



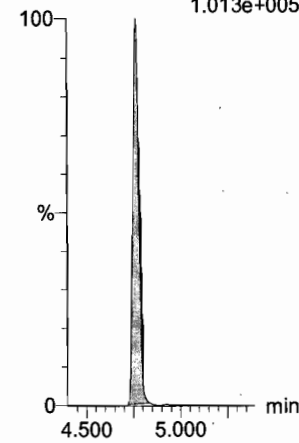
13C9-PFNA

F26:MRM of 1 channel,ES-
472.2 > 426.9
5.007e+005



13C4-PFOS

F30:MRM of 1 channel,ES-
503 > 79.9
1.013e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-CRV.qld

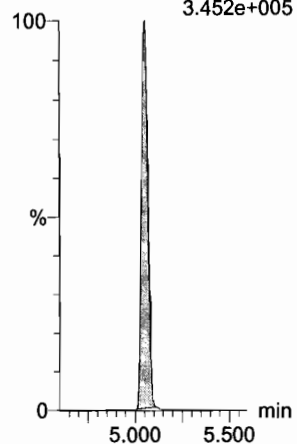
Last Altered: Sunday, December 31, 2017 12:16:44 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:17:32 Pacific Standard Time

Name: 171230M3_9, Date: 31-Dec-2017, Time: 00:13:57, ID: ST171230M3-8 PFC CS5 17L2613, Description: PFC CS5 17L2613

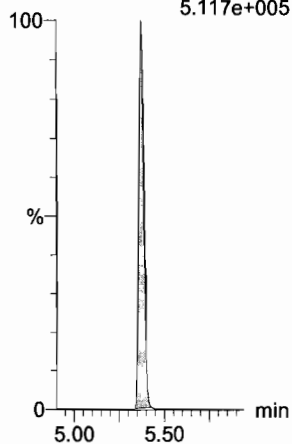
13C6-PFDA

F37:MRM of 1 channel,ES-
519.1 > 473.7
3.452e+005



13C7-PFUdA

F45:MRM of 1 channel,ES-
570.1 > 524.8
5.117e+005



Dataset: U:\Q4.PRO\results\171230M3\171230M3-14.qld

Last Altered: Sunday, December 31, 2017 12:50:37 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:50:54 Pacific Standard Time

Ⓐ NO SS available.

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12/31/17

✓JA
12/31/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171230M3_14, Date: 31-Dec-2017, Time: 01:09:51, ID: ICV171230M3-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.12e4	1.20e4	1.0000		1.47	1.41	11.7	8.364	83.6
2	2 PFPeA	263.1 > 218.9	1.19e4	1.38e4	1.0000		2.35	2.37	10.8	8.612	86.1
3	3 PFBS	299.0 > 79.7	2.46e3	1.97e3	1.0000		2.70	2.64	15.6	7.127	71.3
4	4 PFHxA	313.2 > 268.9	1.50e4	4.50e3	1.0000		3.12	3.13	16.7	8.577	85.8
5	5 PFHpA	363.0 > 318.9	1.21e4	1.10e4	1.0000		3.75	3.75	13.8	9.012	90.1
6	6 L-PFHxS	398.9 > 79.6	1.91e3	1.51e3	1.0000		3.85	3.89	15.8	7.673	76.7
7	8 6:2 FTS	427.1 > 407	3.24e3	1.84e4	1.0000		4.20	4.21	2.20	7.071	70.7
8	9 L-PFOA	413 > 368.7	1.40e4	1.84e4	1.0000		4.25	4.26	9.47	8.353	83.5
9	11 PFHpS	449 > 80.0	3.15e3	1.84e4	1.0000		4.35	4.37	2.14	8.028	80.3
10	12 PFNA	463.0 > 418.8	1.43e4	1.47e4	1.0000		4.70	4.69	12.1	7.211	72.1
11	13 PFOSA	498.1 > 77.8	2.93e3	3.19e3	1.0000		4.81	4.76	11.5	9.691	96.9
12	14 L-PFOS	499 > 79.9	2.95e3	4.08e3	1.0000		4.75	4.77	9.04	7.104	71.0
13	16 PFDA	513 > 468.8	1.37e4	1.16e4	1.0000		5.05	5.06	14.7	8.891	88.9
14	17 8:2 FTS	527 > 506.9	3.46e3	1.16e4	1.0000		5.02	5.03	3.72	10.339	103.4
15	18 N-MeFOSAA	570.1 > 419	8.07e3	6.51e3	1.0000		5.20	5.21	15.5	9.707	97.1
16	19 N-EtFOSAA	584.2 > 419	6.32e3	6.78e3	1.0000		5.42	5.37	11.6	8.873	88.7
17	20 PFUdA	563.0 > 518.9	1.59e4	1.90e4	1.0000		5.35	5.38	10.5	9.082	90.8
18	21 PFDS	598.8 > 80	3.42e3	1.90e4	1.0000		5.50	5.43	2.25	7.060	70.6
19	22 PFDoA	612.9 > 569.0	1.51e4	1.56e4	1.0000		5.70	5.66	12.1	7.985	79.8
20	23 N-MeFOSA	512.1 > 168.9		1.82e4	1.0000		5.77				
21	24 PFTrDA	662.9 > 618.9	1.95e4	1.56e4	1.0000		5.95	5.90	15.6	10.917	Ⓐ 109.2
22	25 PFTeDA	712.9 > 668.8	1.03e4	4.37e3	1.0000		6.16	6.12	29.5	10.677	Ⓐ 106.8
23	26 N-EtFOSA	526.1 > 168.9		2.64e4	1.0000		6.15				
24	27 PFHxDA	813.1 > 768.6		4.51e3	1.0000		6.48				
25	28 PFODA	913.1 > 868.8		4.51e3	1.0000		6.70				
26	29 N-MeFOSE	616.1 > 58.9		1.99e4	1.0000		6.30				
27	30 N-EtFOSE	630.1 > 58.9		2.01e4	1.0000		6.42				
28	31 13C3-PFBA	216.1 > 171.8	1.20e4	1.35e4	1.0000	0.780	1.47	1.41	11.2	14.305	114.4
29	32 13C3-PFPeA	266. > 221.8	1.38e4	1.69e4	1.0000	0.771	2.44	2.37	10.2	13.271	106.2
30	33 13C3-PFBS	302. > 98.8	1.97e3	1.69e4	1.0000	0.103	2.70	2.64	1.46	14.137	113.1
31	Work Order 12701948	315 > 269.8	4.50e3	1.69e4	1.0000	0.619	3.20	3.13	3.34	5.392	107.8

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Dataset: U:\Q4.PRO\results\171230M3\171230M3-14.qld

Last Altered: Sunday, December 31, 2017 12:50:37 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:50:54 Pacific Standard Time

Name: 171230M3_14, Date: 31-Dec-2017, Time: 01:09:51, ID: ICV171230M3-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.10e4	1.69e4	1.0000	0.634	3.80	3.75	8.12	12.821	102.6
33	36 18O2-PFHxS	403.0 > 102.6	1.51e3	4.19e3	1.0000	0.320	3.95	3.89	4.51	14.099	112.8
34	37 13C2-6:2 FTS	429.1 > 408.9	3.93e3	1.43e4	1.0000	0.244	4.26	4.21	3.44	14.084	112.7
35	38 13C2-PFOA	414.9 > 369.7	1.84e4	1.43e4	1.0000	1.046	4.32	4.26	16.1	15.412	123.3
36	39 13C5-PFNA	468.2 > 422.9	1.47e4	1.73e4	1.0000	0.838	4.75	4.69	10.6	12.694	101.6
37	40 13C8-PFOSA	506.1 > 77.7	3.19e3	1.89e4	1.0000	0.162	4.81	4.75	2.11	12.997	104.0
38	41 13C8-PFOS	507.0 > 79.9	4.08e3	3.79e3	1.0000	0.863	4.83	4.77	13.5	15.621	125.0
39	42 13C2-PFDA	515.1 > 469.9	1.16e4	1.33e4	1.0000	0.828	5.11	5.06	10.9	13.203	105.6
40	43 13C2-8:2 FTS	529.1 > 508.7	2.97e3	1.69e4	1.0000	0.139	5.09	5.03	2.21	15.865	126.9
41	44 d3-N-MeFOSAA	573.3 > 419	6.51e3	1.89e4	1.0000	0.306	5.26	5.21	4.30	14.058	112.5
42	45 d5-N-EtFOSAA	589.3 > 419	6.78e3	1.89e4	1.0000	0.346	5.42	5.36	4.48	12.953	103.6
43	46 13C2-PFUdA	565 > 519.8	1.90e4	1.89e4	1.0000	0.842	5.43	5.38	12.5	14.906	119.2
44	47 13C2-PFDoA	615.0 > 569.7	1.56e4	1.89e4	1.0000	0.714	5.70	5.66	10.3	14.435	115.5
45	48 d3-N-MeFOSA	515.2 > 168.9	1.82e4	1.89e4	1.0000	0.078	5.80	5.82	12.0	154.209	102.8
46	49 13C2-PFTeDA	714.8 > 669.6	4.37e3	1.89e4	1.0000	0.236	6.16	6.12	2.89	12.224	97.8
47	50 d5-N-ETFOSA	531.1 > 168.9	2.64e4	1.89e4	1.0000	0.113	6.16	6.20	17.5	153.992	102.7
48	51 13C2-PFHxDA	815 > 769.7	4.51e3	1.89e4	1.0000	0.481	6.48	6.45	2.98	6.184	123.7
49	52 d7-N-MeFOSE	623.1 > 58.9	1.99e4	1.89e4	1.0000	0.090	6.30	6.31	13.2	146.432	97.6
50	53 d9-N-EtFOSE	639.2 > 58.8	2.01e4	1.89e4	1.0000	0.093	6.42	6.46	13.3	143.309	95.5
51	54 13C4-PFBA	217. > 171.8	1.35e4	1.35e4	1.0000	1.000	1.47	1.40	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.69e4	1.69e4	1.0000	1.000	3.20	3.13	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.19e3	4.19e3	1.0000	1.000	3.95	3.89	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.43e4	1.43e4	1.0000	1.000	4.32	4.26	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.73e4	1.73e4	1.0000	1.000	4.75	4.69	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	3.79e3	3.79e3	1.0000	1.000	4.83	4.77	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.33e4	1.33e4	1.0000	1.000	5.11	5.06	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.89e4	1.89e4	1.0000	1.000	5.43	5.38	12.5	12.500	100.0

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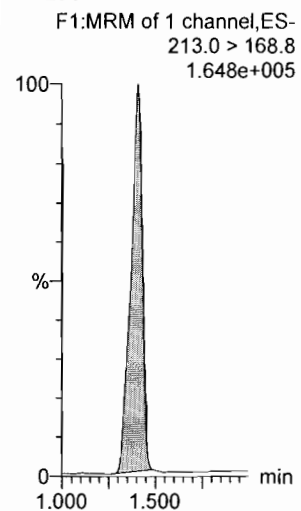
Printed: Sunday, December 31, 2017 12:50:54 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_122917.mdb 30 Dec 2017 09:38:17

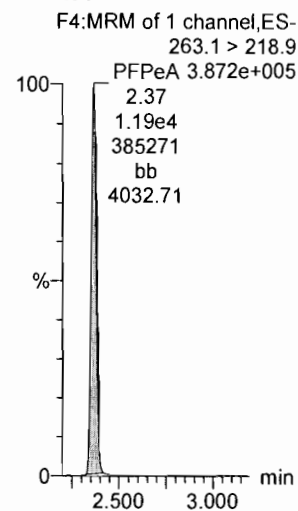
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:46:37

Name: 171230M3_14, Date: 31-Dec-2017, Time: 01:09:51, ID: ICV171230M3-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

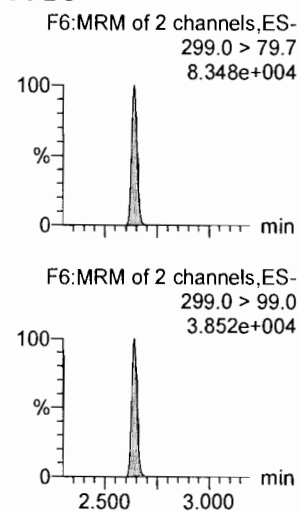
PFBA



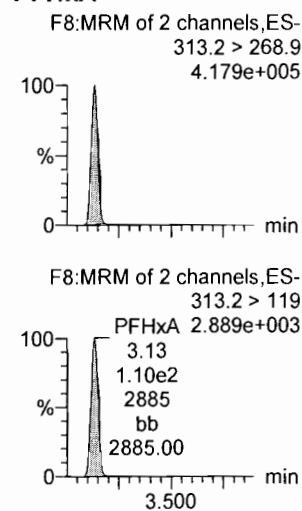
PFPeA



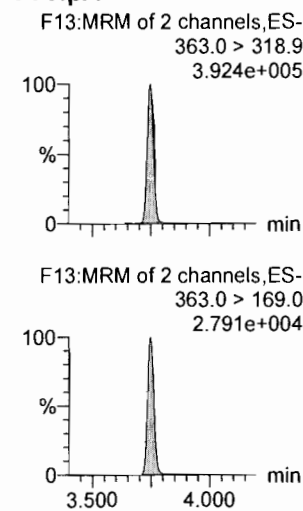
PFBS



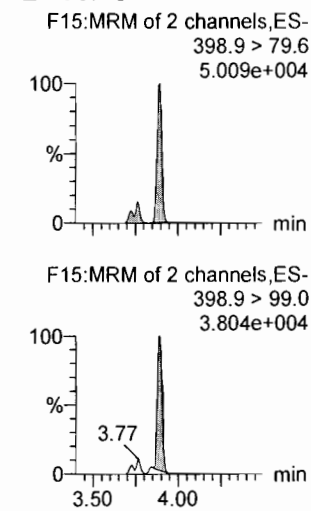
PFHxA



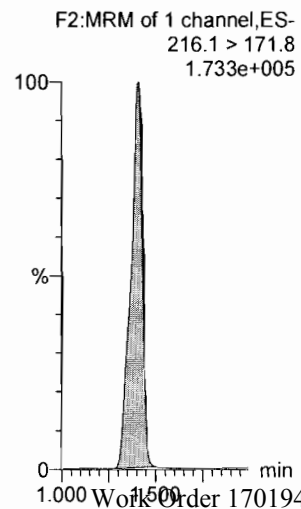
PFHpA



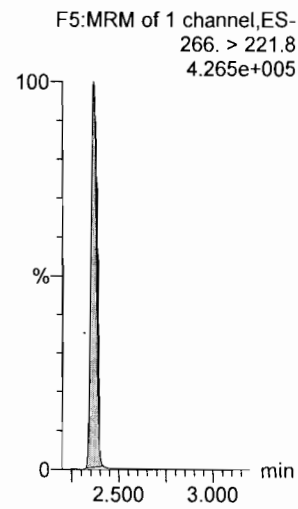
L-PFHxS



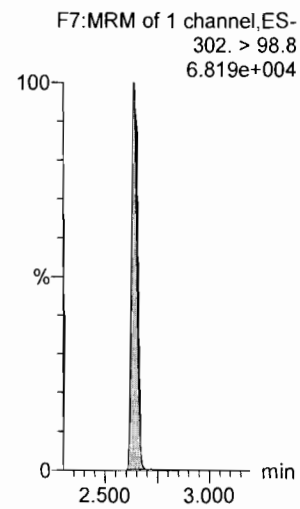
13C3-PFBA



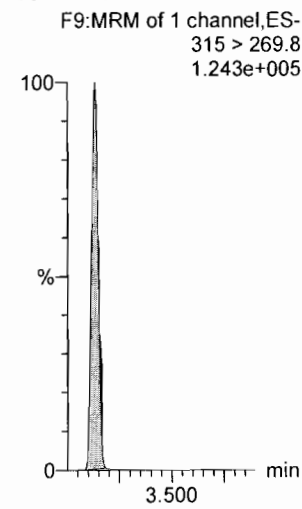
13C3-PFPeA



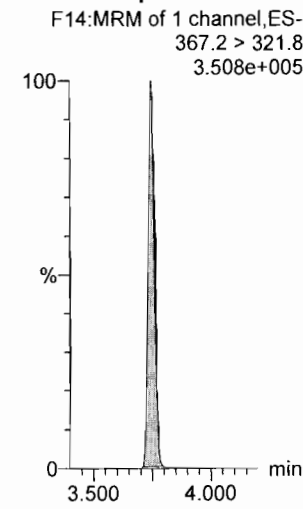
13C3-PFBS



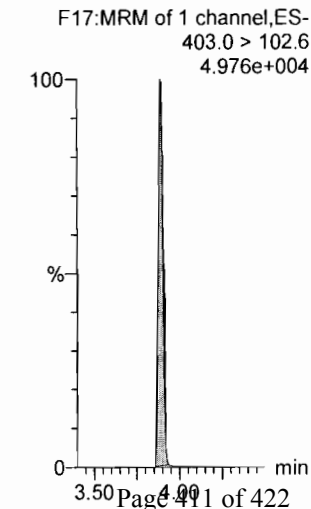
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\171230M3\171230M3-14.qld

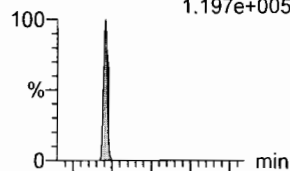
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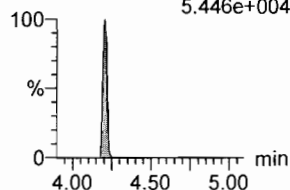
Name: 171230M3_14, Date: 31-Dec-2017, Time: 01:09:51, ID: ICV171230M3-2 PFC ICV 17L1201, Description: PFC ICV 17L1201

6:2 FTS

F21:MRM of 2 channels,ES-
427.1 > 407
1.197e+005

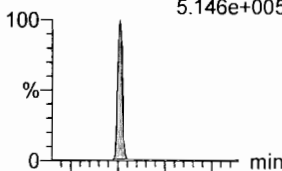


F21:MRM of 2 channels,ES-
427.1 > 80
5.446e+004

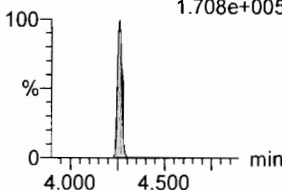


L-PFOA

F18:MRM of 2 channels,ES-
413 > 368.7
5.146e+005

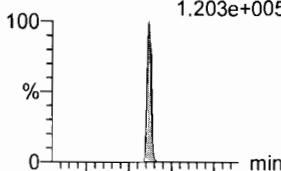


F18:MRM of 2 channels,ES-
413 > 169
1.708e+005

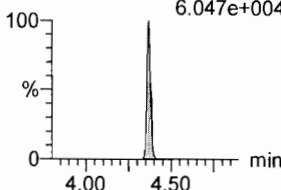


PFHpS

F23:MRM of 2 channels,ES-
449 > 80.0
1.203e+005

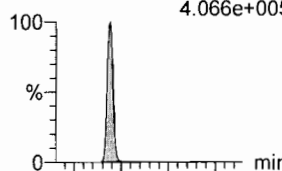


F23:MRM of 2 channels,ES-
449 > 98.7
6.047e+004

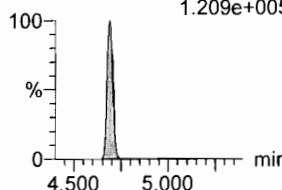


PFNA

F24:MRM of 2 channels,ES-
463.0 > 418.8
4.066e+005

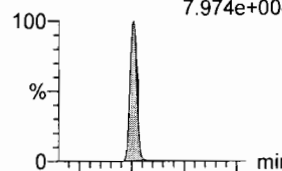


F24:MRM of 2 channels,ES-
463.0 > 219.0
1.209e+005

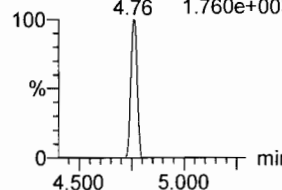


PFOSA

F27:MRM of 2 channels,ES-
498.1 > 77.8
7.974e+004

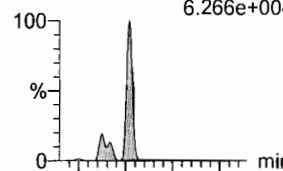


F27:MRM of 2 channels,ES-
498.1 > 478
1.760e+003

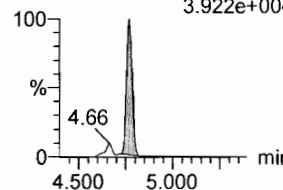


L-PFOS

F29:MRM of 2 channels,ES-
499 > 79.9
6.266e+004

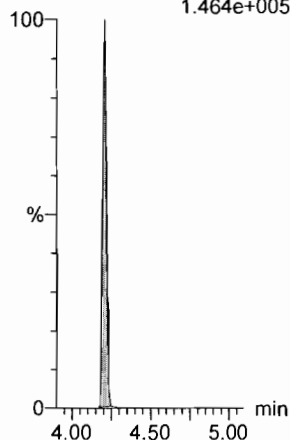


F29:MRM of 2 channels,ES-
499 > 99
3.922e+004



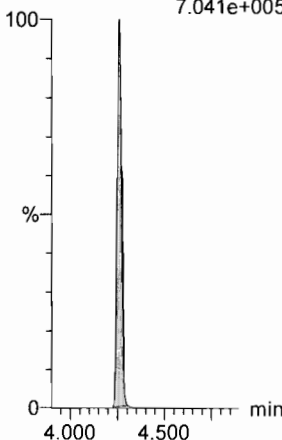
13C2-6:2 FTS

F22:MRM of 1 channel,ES-
429.1 > 408.9
1.464e+005



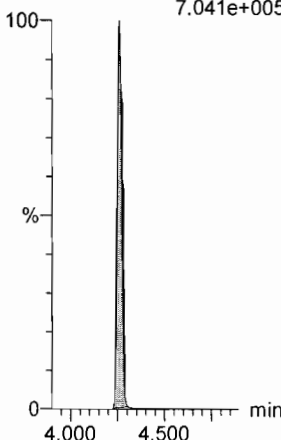
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
7.041e+005



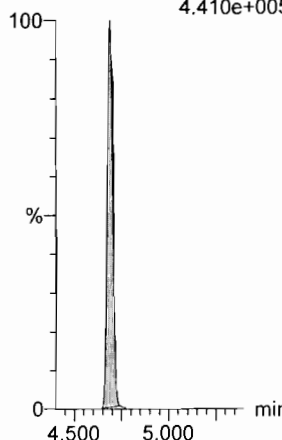
13C2-PFOA

F19:MRM of 1 channel,ES-
414.9 > 369.7
7.041e+005



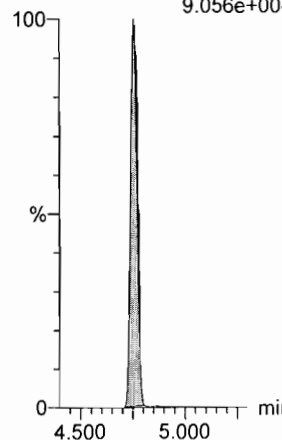
13C5-PFNA

F25:MRM of 1 channel,ES-
468.2 > 422.9
4.410e+005



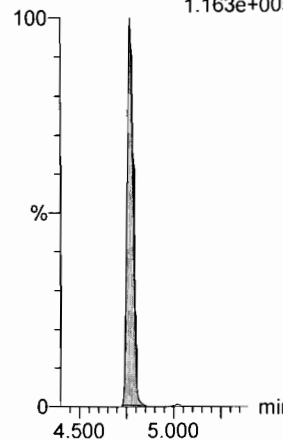
13C8-PFOSA

F31:MRM of 1 channel,ES-
506.1 > 77.7
9.056e+004



13C8-PFOS

F32:MRM of 1 channel,ES-
507.0 > 79.9
1.163e+005



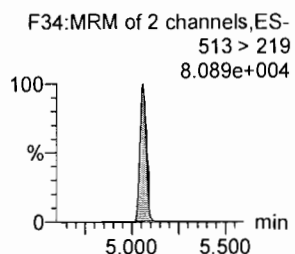
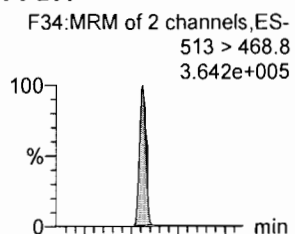
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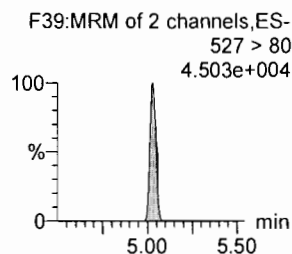
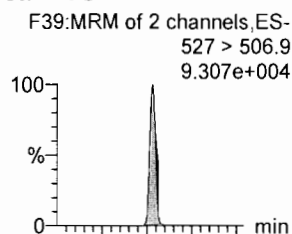
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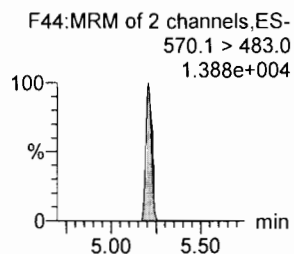
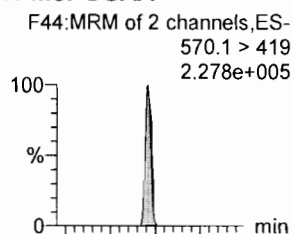
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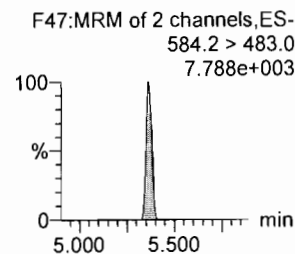
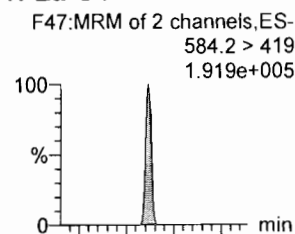
8:2 FTS



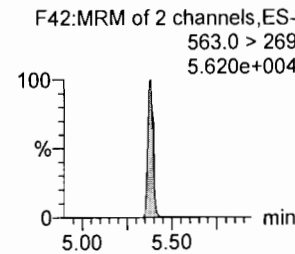
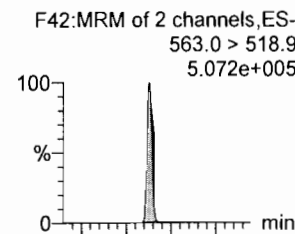
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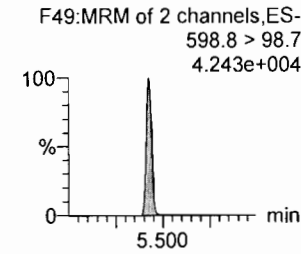
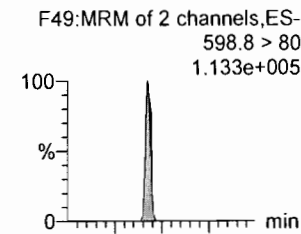
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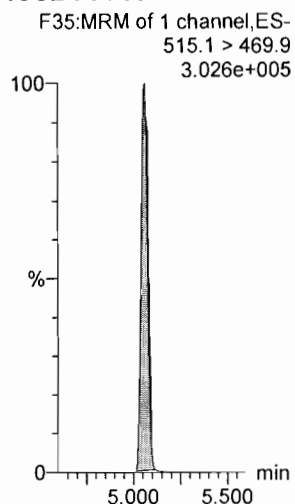
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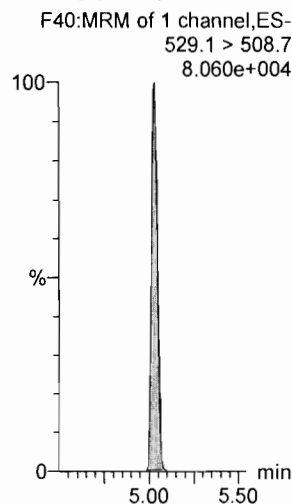
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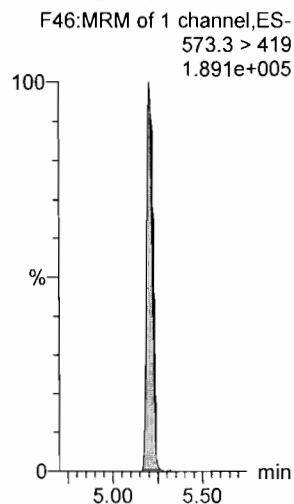
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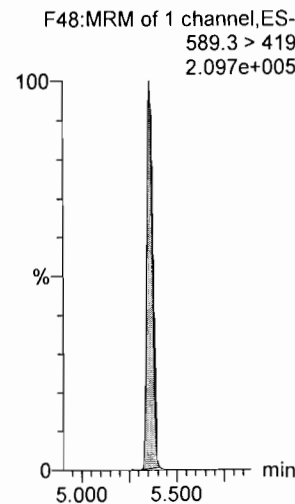
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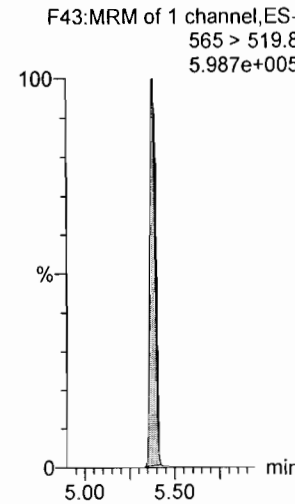
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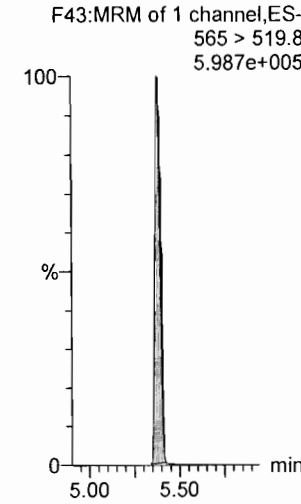
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13C2-PFUdA



13C2-PFUdA

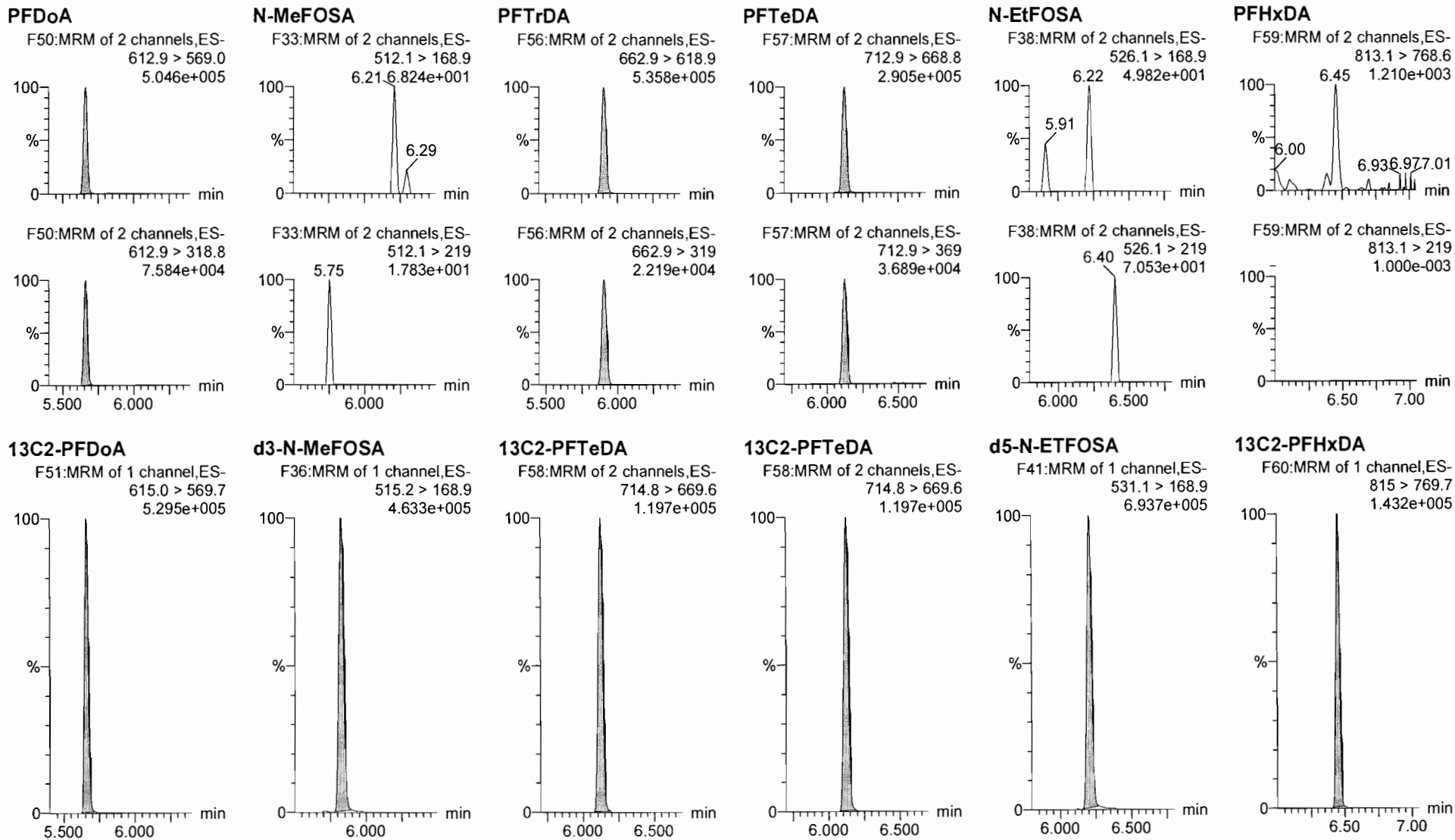


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Printed: Sunday, December 31, 2017 12:50:54 Pacific Standard Time

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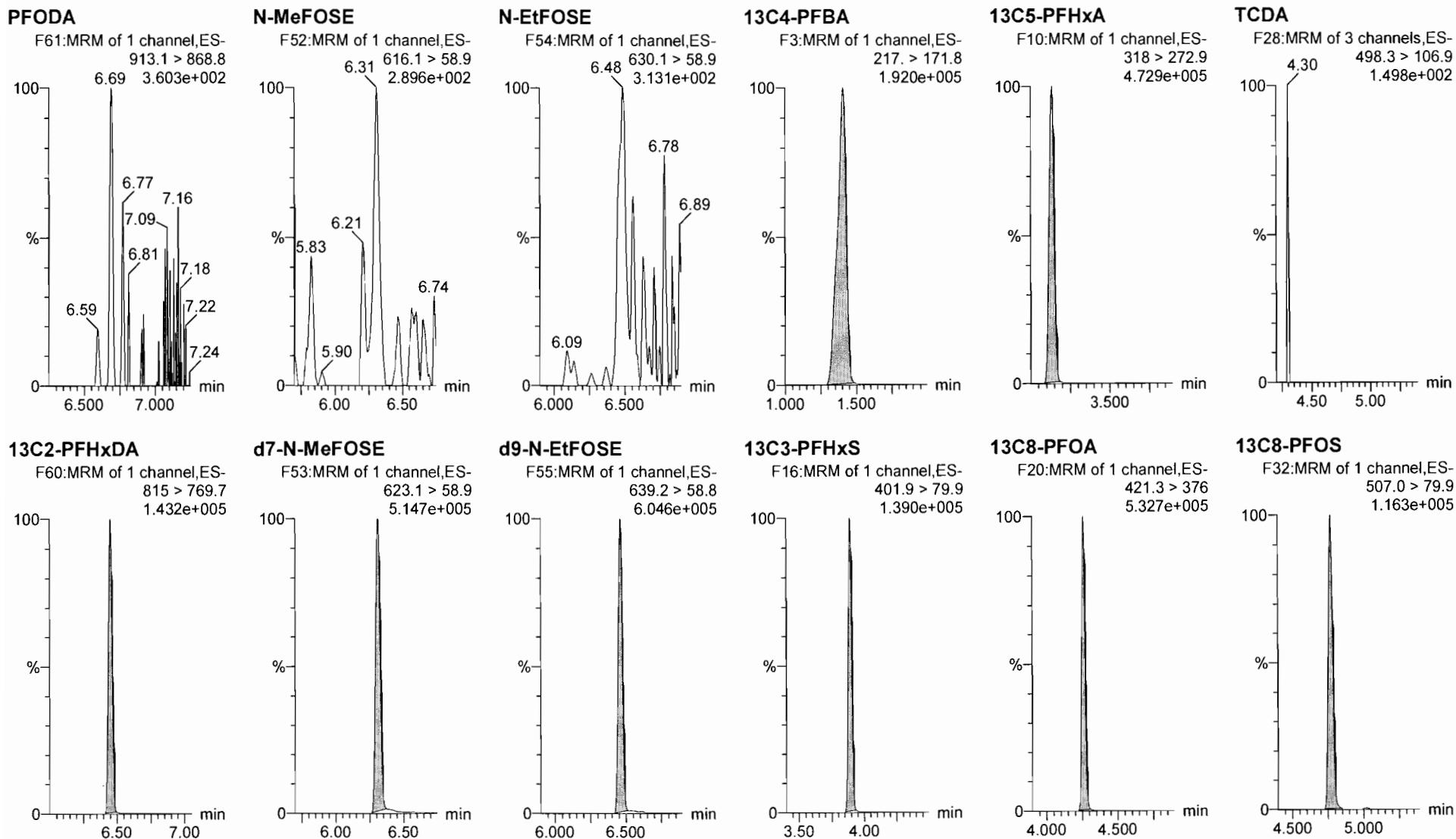


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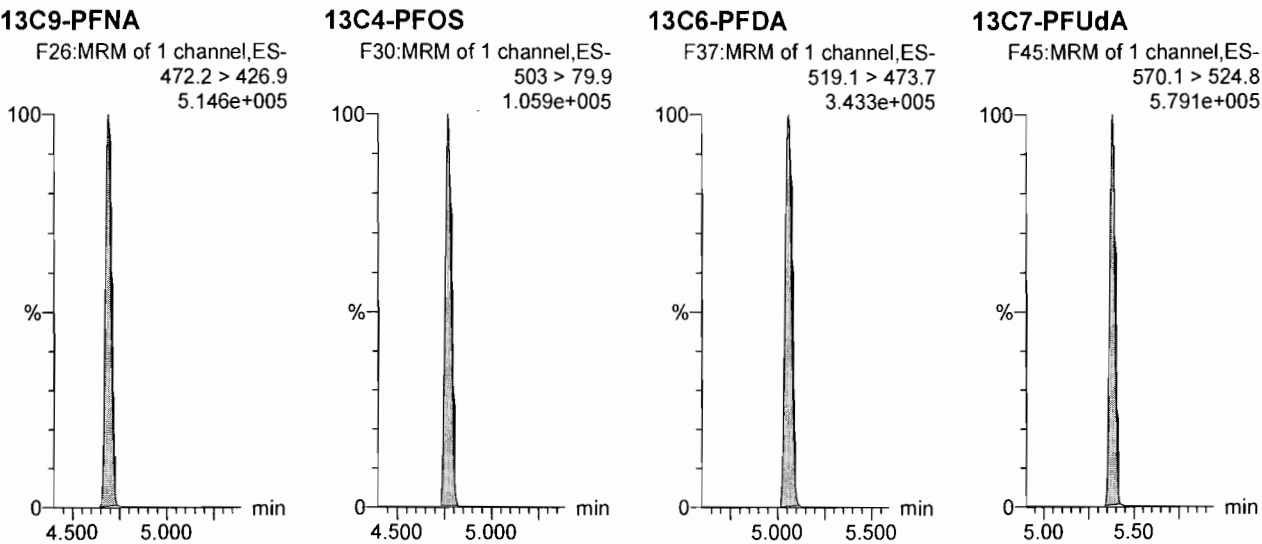


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Last Altered: Sunday, December 31, 2017 12:50:37 Pacific Standard Time

Printed: Sunday, December 31, 2017 12:50:54 Pacific Standard Time

Name: 171230M3_14, Date: 31-Dec-2017, Time: 01:09:51, ID: ICV171230M3-2 PFC ICV 17L1201, Description: PFC ICV 17L1201



Vista Analytical Laboratory

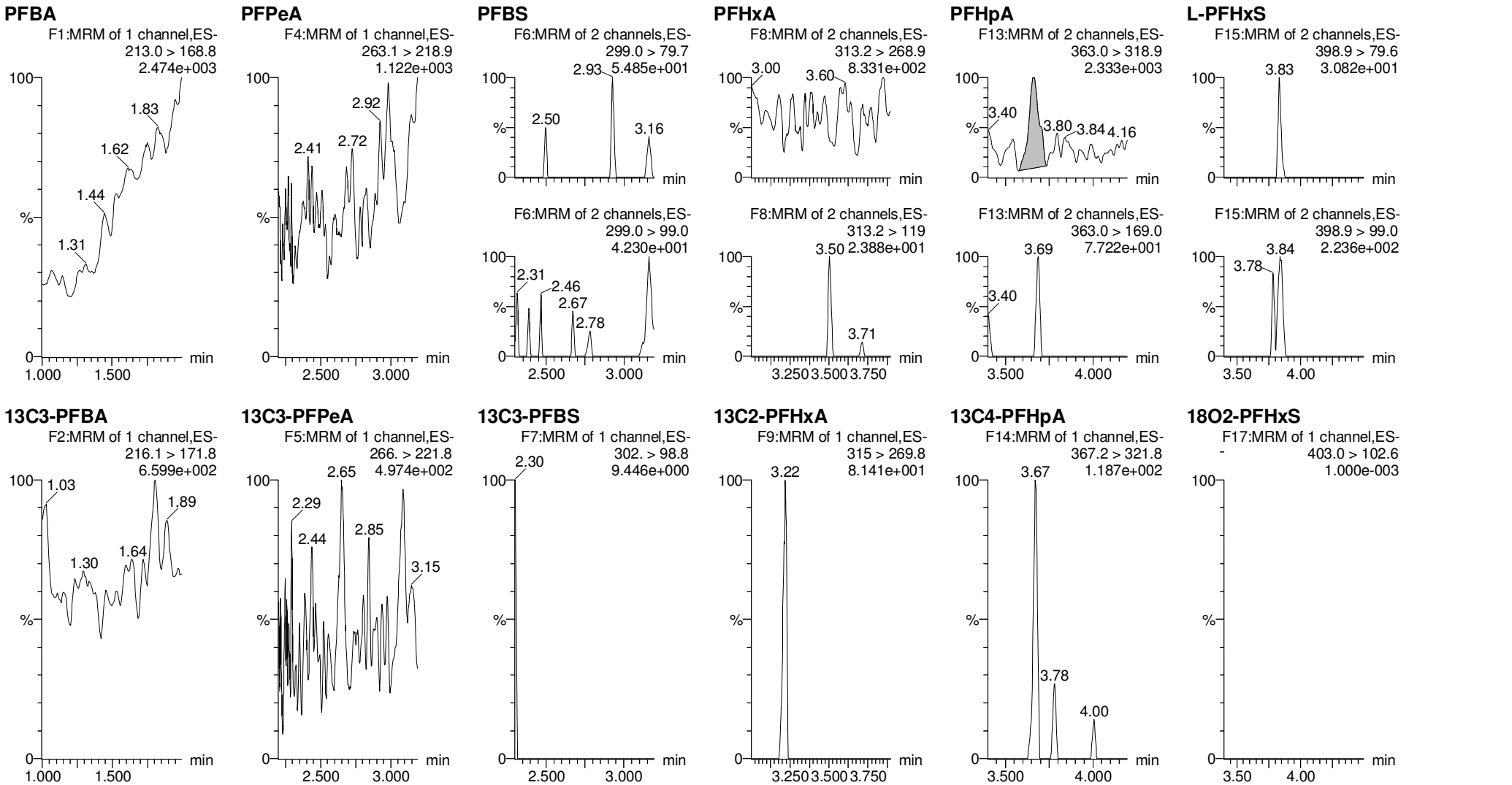
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Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-30-17_FULL_.cdb 31 Dec 2017 12:27:18

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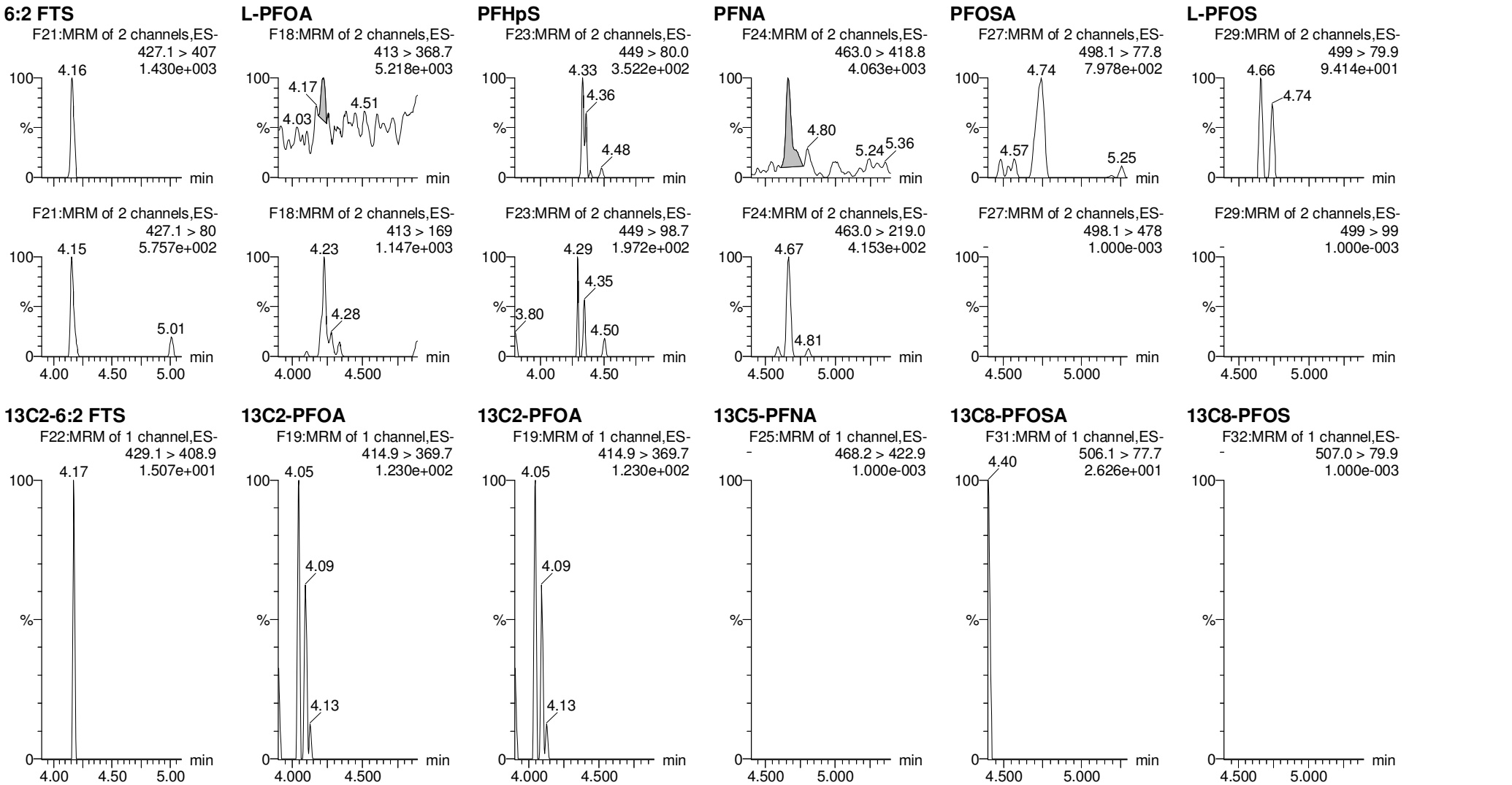


Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

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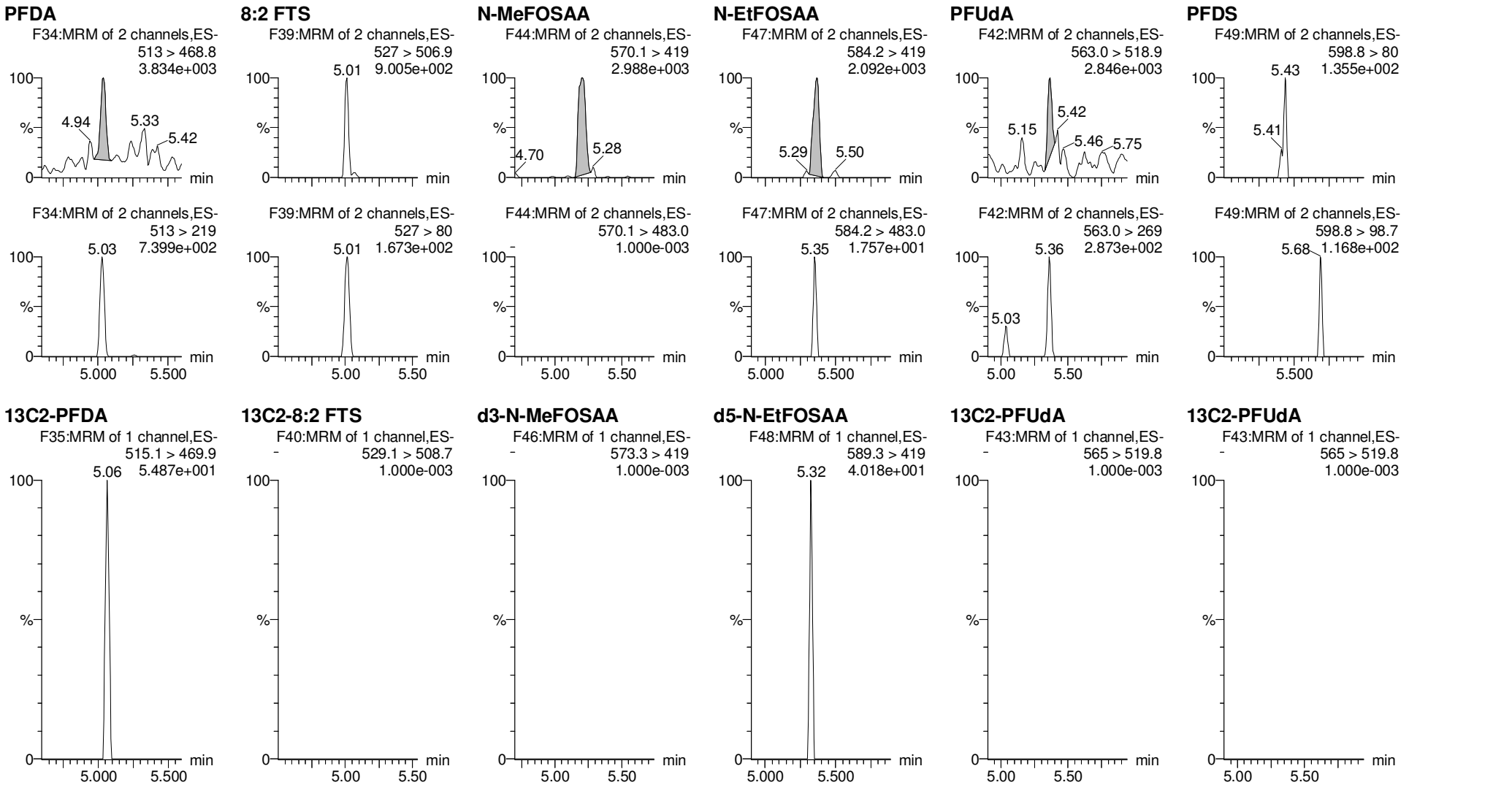


Vista Analytical Laboratory

Dataset: Untitled

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Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

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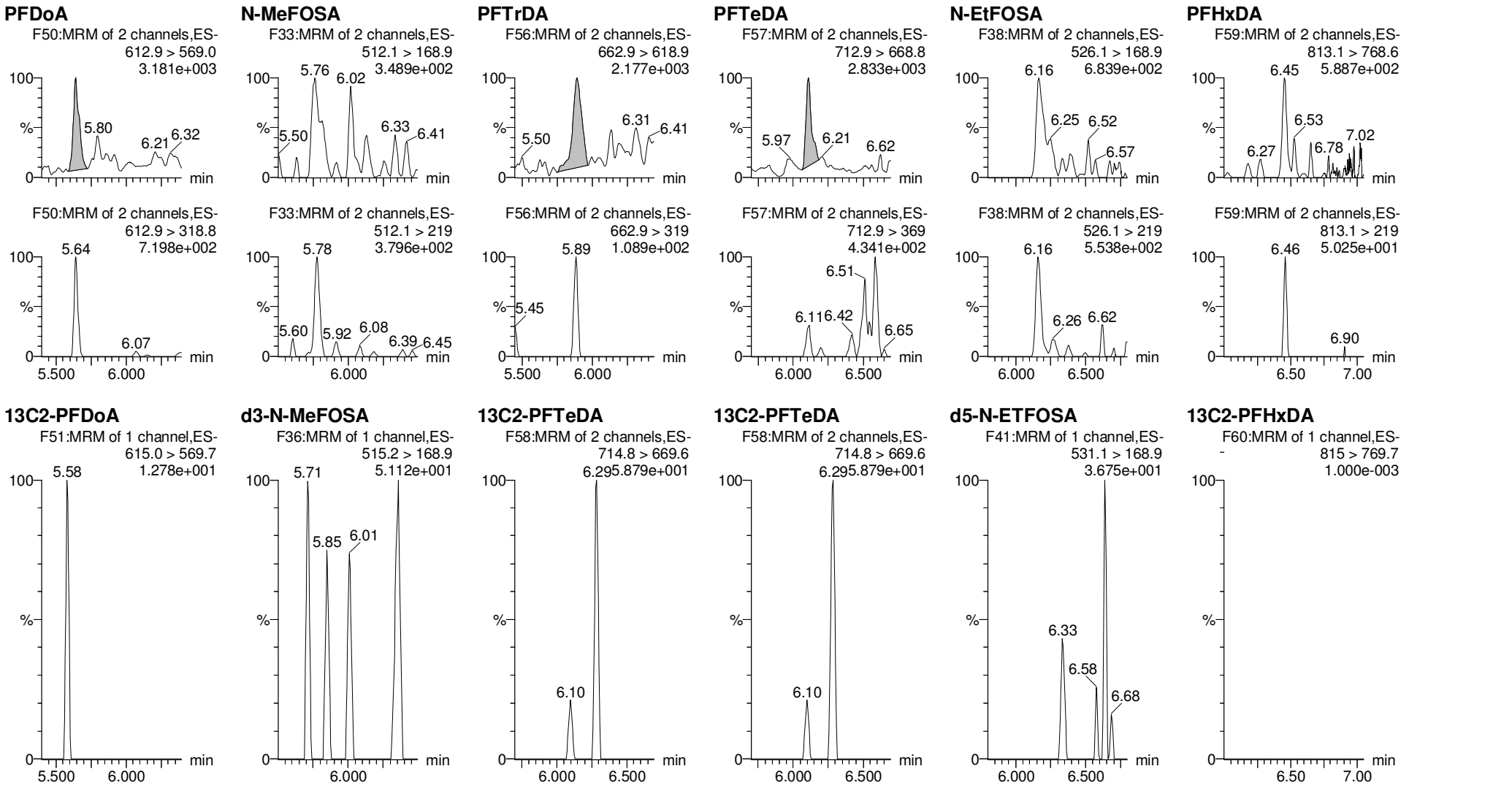


Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

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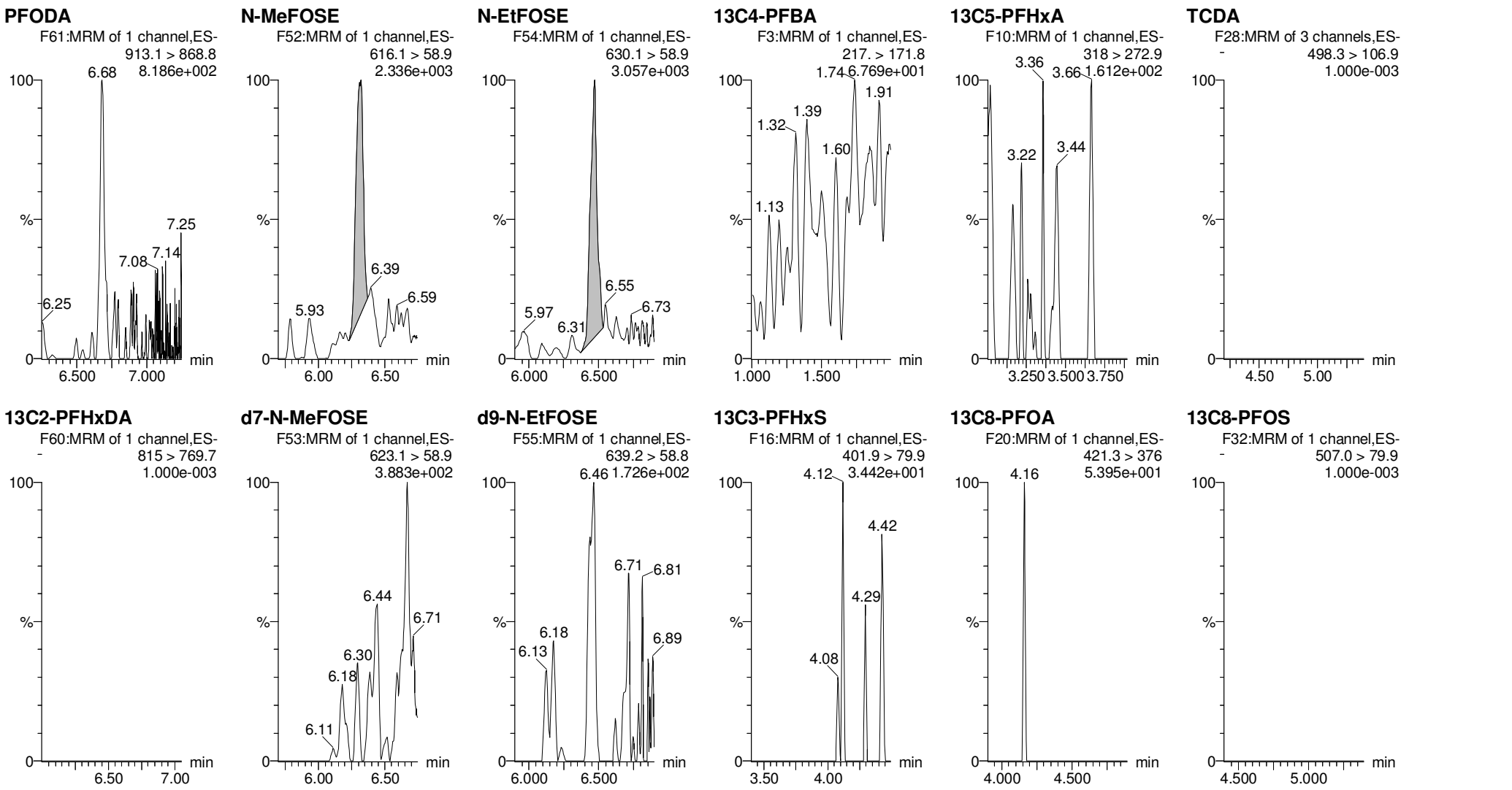


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Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time

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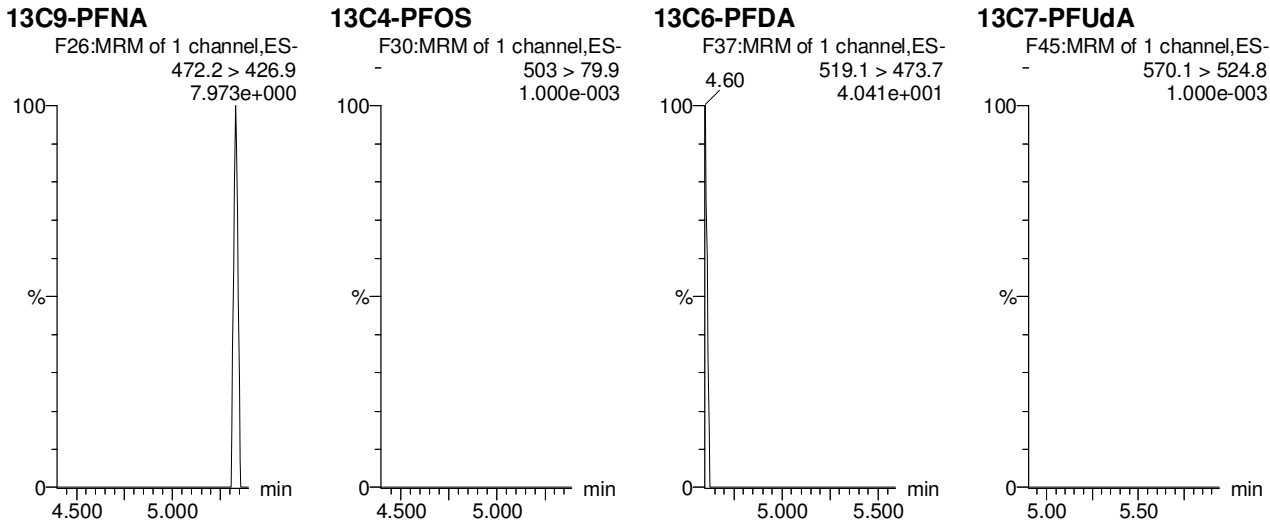


Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, December 31, 2017 12:38:08 Pacific Standard Time
Printed: Sunday, December 31, 2017 12:38:17 Pacific Standard Time

Name: 171230M3_12, Date: 31-Dec-2017, Time: 00:47:29, ID: IPA, Description: IPA



[illegible]

**DATA VALIDATION SUMMARY REPORT
NAS WHIDBEY ISLAND, WASHINGTON**

Client: CH2M HILL, Inc., Corvallis, Oregon
SDG: 1701943
Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
Site: NAS Whidbey Island, Area 6, CTO-4041, Washington
Date: May 12, 2018

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	WI-A06-6-S-04-1217	1701943-01	Water
3	WI-A06-6-S-19-1217	1701943-03	Water
5	WI-A06-6-S-19P-1217	1701943-05	Water
7	WI-A06-6-S-31-1217	1701943-07	Water
9	WI-A06-EB07-121117	1701943-09	Water
11	WI-A06-6-S-08-1217	1701943-11	Water
13	WI-A06-EB08-121217	1701943-13	Water

A full data validation was performed on the analytical data for five water samples and two aqueous equipment blank samples collected on December 11-12, 2017 by CH2M HILL at the NAS Whidbey Island Area 6 site in Washington. The samples were analyzed under the EPA Method “Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)”.

Specific method references are as follows:

Analysis
PFCs

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 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

- Gas Chromatography/Mass Spectrometry (GC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Surrogate Spike recoveries
- 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 are acceptable for the intended purposes. There were no qualifications.

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.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- All percent difference (%D) and RRF criteria were met.

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC sample result are summarized in the table below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
WI-A06-EB07-121117	None - ND	-	-	-
WI-A06-EB08-121217	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

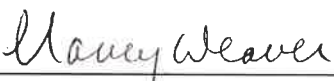
Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

PFCs				
Compound	WI-A06-6-S-19-1217 ng/L	WI-A06-6-S-19P-1217 ng/L	RPD	Qualifier
PFBS	4.22	4.15	2%	None
PFHxA	21.8	22.8	4%	
PFHpA	1.66	1.95	16%	
PFHxS	6.21	5.39	14%	
PFOA	4.21	4.20	0%	

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:


Nancy Weaver
Senior Chemist

Dated: 5/15/18

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: WL-A06-6-S-04-1217					Modified EPA Method 537					
Client Data			Laboratory Data							
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-01	Column:	BEH C18			
Project:	WHIDBEY ISLAND / 695610.05.F1.FS	Date Collected:	11-Dec-17 10:15	Date Received:	13-Dec-17 09:28					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxA	6.84	2.18	5.00	8.00	J	B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHpA	ND	0.591	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFHxS	ND	0.947	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOA	ND	0.651	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFOS	ND	0.807	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFNA	ND	0.810	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDA	ND	1.49	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
MeFOSAA	ND	1.65	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFUnA	ND	1.05	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
EtFOSAA	ND	1.37	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFDaA	ND	0.792	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTrDA	ND	0.494	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
PFTeDA	ND	0.755	5.00	8.00		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFHxA	IS	121	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C4-PFHpA	IS	120	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
18O2-PFHxS	IS	125	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFOA	IS	126	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C8-PFOS	IS	113	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C5-PFNA	IS	99.4	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFDA	IS	145	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
d3-MeFOSAA	IS	116	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFUnA	IS	104	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFDaA	IS	87.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	
13C2-PFTeDA	IS	94.3	50 - 150		B7L0171	22-Dec-17	0.125 L	31-Dec-17 17:47	1	

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.

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

W 51.218

Sample ID: WI-A06-6-S-19-1217

Modified EPA Method 537

Client Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-03
Project:	WHIDBEY ISLAND / 695610.05.FIFS	Date Collected:	11-Dec-17 11:55	Date Received:	13-Dec-17 09:28
				Column:	BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	4.22	1.85	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxA	21.8	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHpA	1.66	0.612	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFHxS	6.21	0.981	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOA	4.21	0.675	5.17	8.29	J	B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFOS	ND	0.836	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFNA	ND	0.839	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFDoA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTTrDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
PFTeDA	ND	0.782	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers			Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFHxA	IS	126	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C4-PFHpA	IS	113	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
18O2-PFHxS	IS	120	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFOA	IS	107	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C8-PFOS	IS	122	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C5-PFNA	IS	121	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFDA	IS	109	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13-MeFOSAA	IS	112	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFUnA	IS	120	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
15-EtFOSAA	IS	109	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFDoA	IS	90.5	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58
13C2-PFTeDA	IS	94.5	50 - 150				B7L0171	22-Dec-17	0.121 L	31-Dec-17 17:58

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 51.21.8

Sample ID: WI-A06-6-S-19P-1217				Modified EPA Method 537							
Client Data			Laboratory Data								
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-05	Column:	BEH C18				
Project:	WHIDBEY ISLAND / 695610.05.F1.F5	Date Collected:	11-Dec-17 11:55	Date Received:	13-Dec-17 09:28						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	4.15	1.87	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHxA	22.8	2.27	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHpA	1.95	0.616	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFHxS	5.39	0.987	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFOA	4.20	0.678	5.21	8.34	J	B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFOS	ND	0.841	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFNA	ND	0.844	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFDA	ND	1.55	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
MeFOSAA	ND	1.72	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFUnA	ND	1.09	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
EtFOSAA	ND	1.43	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFDoA	ND	0.825	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFTrDA	ND	0.515	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
PFTeDA	ND	0.787	5.21	8.34		B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers			Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	125	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFHxA	IS	114	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C4-PFHpA	IS	118	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
18O2-PFHxS	IS	101	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFOA	IS	118	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C8-PFOS	IS	122	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C5-PFNA	IS	124	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFDA	IS	107	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
d3-MeFOSAA	IS	118	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFUnA	IS	119	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
d5-EtFOSAA	IS	115	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFDoA	IS	93.9	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1
13C2-PFTeDA	IS	98.4	50 - 150				B7L0171	22-Dec-17	0.120 L	31-Dec-17 18:09	1

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.

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

new 5.1.2.18

Sample ID: WI-A06-6-S-31-1217										Modified EPA Method 537									
Client Data					Laboratory Data														
Name:		CH2M Hill			Matrix:		Water			Lab Sample:		1701943-07			Column:		BEH C18		
Project:		WHIDBEY ISLAND / 695610.05.FLFS			Date Collected:		11-Dec-17 14:10			Date Received:		13-Dec-17 09:28							
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution									
PFBS	14.3	1.80	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFHxA	58.3	2.20	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFHpA	29.3	0.595	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFHxS	41.1	0.954	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFOA	53.8	0.656	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFOS	1.82	0.813	5.04	8.06	J	B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFNA	ND	0.816	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFDA	ND	1.50	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
MeFOSAA	ND	1.66	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFUnA	ND	1.06	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
EtFOSAA	ND	1.38	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFDoA	ND	0.798	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFTrDA	ND	0.498	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
PFTeDA	ND	0.761	5.04	8.06		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1									
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution										
13C3-PFBS	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFHxA	IS	119	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
18O2-PFHxS	IS	137	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFOA	IS	114	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C8-PFOS	IS	123	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C5-PFNA	IS	117	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFDA	IS	133	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
d3-MeFOSAA	IS	107	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFUnA	IS	129	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
d5-EtFOSAA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFDoA	IS	71.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										
13C2-PFTeDA	IS	91.6	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:20	1										

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.

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

lw 5/2/18

Sample ID: W1-A06-EB07-121117					Modified EPA Method 537					
Client Data			Laboratory Data							
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-09	Column:	BEH C18			
Project:	WHIDBEY ISLAND / 695610.05.F1.F5	Date Collected:	11-Dec-17 14:45	Date Received:	13-Dec-17 09:28					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxA	ND	2.26	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHpA	ND	0.613	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFHxS	ND	0.982	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOA	ND	0.675	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFOS	ND	0.837	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFNA	ND	0.840	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDA	ND	1.54	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
MeFOSAA	ND	1.71	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFUnA	ND	1.09	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
EtFOSAA	ND	1.42	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFDoA	ND	0.821	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTrDA	ND	0.512	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
PFTeDA	ND	0.783	5.17	8.29		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	142	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFHxA	IS	118	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C4-PFHpA	IS	118	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
18O2-PFHxS	IS	124	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFOA	IS	106	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C8-PFOS	IS	116	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C5-PFNA	IS	114	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFDA	IS	117	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
d3-MeFOSAA	IS	128	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFUnA	IS	108	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
d5-EtFOSAA	IS	129	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFDoA	IS	87.9	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	
13C2-PFTeDA	IS	85.4	50 - 150		B7L0171	22-Dec-17	0.121 L	31-Dec-17 18:32	1	

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.

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

MSL.21.8

Sample ID: WI-A06-6-S-08-1217

Modified EPA Method 537

Client Data		Laboratory Data								
Name:	CH2M Hill	Lab Sample:	1701943-11	Column:	BEH C18					
Project:	WHIDBEY ISLAND / 695610.05.FI.FS	Date Collected:	12-Dec-17 09:35	Date Received:	13-Dec-17 09:28					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.81	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxA	ND	2.21	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHpA	ND	0.598	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFHxS	ND	0.958	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOA	ND	0.659	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFOS	ND	0.816	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFNA	ND	0.820	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDA	ND	1.51	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
MeFOSAA	ND	1.67	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFUnA	ND	1.06	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
EtFOSAA	ND	1.39	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFDoA	ND	0.801	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTTrDA	ND	0.500	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
PFTeDA	ND	0.764	5.04	8.09		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	135	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFHxA	IS	115	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C4-PFHpA	IS	122	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
18O2-PFHxS	IS	120	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFOA	IS	88.2	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C8-PFOS	IS	112	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C5-PFNA	IS	92.1	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFDA	IS	83.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
d3-MeFOSAA	IS	104	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFUnA	IS	98.7	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
d5-EtFOSAA	IS	100	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFDoA	IS	81.9	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	
13C2-PFTeDA	IS	75.5	50 - 150		B7L0171	22-Dec-17	0.124 L	31-Dec-17 18:43	1	

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.

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

51,21.8

Sample ID: W1-A06-EB08-121217

Modified EPA Method 537

Client Data			Laboratory Data							
Name:	CH2M Hill	Matrix:	Water	Lab Sample:	1701943-13	Column:				
Project:	WHIDBEY ISLAND / 695610.05.F1.F5	Date Collected:	12-Dec-17 10:25	Date Received:	13-Dec-17 09:28	BEH C18				
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.83	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxA	ND	2.22	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHpA	ND	0.603	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFHxS	ND	0.966	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOA	ND	0.664	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFOS	ND	0.823	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFNA	ND	0.826	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDA	ND	1.52	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
MeFOSAA	ND	1.68	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFUnA	ND	1.07	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
EtFOSAA	ND	1.40	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFDoA	ND	0.808	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTTrDA	ND	0.504	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
PFTeDA	ND	0.770	5.08	8.16		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBs	IS	110	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFHxA	IS	112	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C4-PFHpA	IS	112	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
18O2-PFHxS	IS	109	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFOA	IS	121	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C8-PFOS	IS	118	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C5-PFNA	IS	90.5	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFDA	IS	78.8	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
d3-MeFOSAA	IS	80.5	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFUnA	IS	77.9	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
d5-EtFOSAA	IS	66.0	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFDoA	IS	84.1	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	
13C2-PFTeDA	IS	89.7	50 - 150		B7L0171	22-Dec-17	0.123 L	30-Dec-17 17:08	1	

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

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

LOD - Limit of Detection
LOQ - Limit of quantitation

DL - Detection Limit

new 5/12/18

LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	SAMPLE_MATRIX_DESC	SAMPLE_NAME	SAMPLE_MATRIX	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds

LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	SAMPLE_MATRIX_DESC	SAMPLE_NAME	SAMPLE_MATRIX	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19P- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds

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6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds

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6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-04	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200975	485469	Ground water	WI-A06-6-S-04- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds

LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	SAMPLE_MATRIX_DESC	SAMPLE_NAME	SAMPLE_MATRIX	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds

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6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds

LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	SAMPLE_MATRIX_DESC	SAMPLE_NAME	SAMPLE_MATRIX	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-31	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1200422. 54	487408.8 6	Ground water	WI-A06-6-S-31- 1217	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds

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6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds

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6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
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6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-08	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1202158	488647.8	Ground water	WI-A06-6-S-08- 1217-TOP	WG	12-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds
6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds

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6-S-19	AREA 06 - CURRENT LANDFILL	WHIDBEY_ISLAND _NAS	WLM	Monitoring well	1701943	1201439	484811.3	Ground water	WI-A06-6-S-19- 1217-TOP	WG	11-Dec-17	Perfluoroalkyl Compounds