ICAL Verification Checklist for LC/MS/MS Analysis

* *This form is used to document primary review and secondary verification of all LC/MS/MS ICALs.*

ICAL Name: ICAL041118 **Instrument ID:** S IT4TQ

Primary Analyst Initials JG **Date** 4/24/18 **Method** ASB PROC 800 PFAS

Circle one

Y	N	NA	1.	An effort has been made to avoid manual integrations, however, if a manual integration is required, it has been documented and the before and after chromatograms are included.
Y	N	NA	2.	If any compound's concentration is higher or lower than what is printed on the ICAL summary table, a notation has been made on the summary table to indicate the appropriate compound concentration.
Y	N	NA	3.	Each calibration level is included.
Y	N	NA	4.	At least five points are used for a linear fit curve, six points for a quadratic fit curve, and seven points cubic fit curve for all analytes. For linear fits, the r^2 coefficient should be ≥ 0.98, for quadratic fits, r^2 should be ≥ 0.99 and for cubic fits, r^2 should be ≥ 0.99.
Y	N	NA	5.	All calculated calibration level concentrations should be within ±30% of the true concentration: except the lowest point on the curve which should be ±50%.
Y	N	NA	6.	The retention and the before and time window for the analytes should be within 5% of the mid-level standard.
Y	N	NA	7.	If an ICV (second source) is run for the ICAL, all concentrations should be within ±30% of the level of the ICAL for PFAS and within ±40% for Herbicides.
Y	N	NA	8.	If required, reagent blanks are run immediately before and after the ICAL.
Y	N	NA	9.	Regarding any PFAS analyses needing an ICAL every sequence; if the attached ICAL is needed for multiply Projects and/or multiple Work Orders, the applicable Projects numbers and Work Order numbers are listed in the comment section below.
Y	N	NA	10.	A copy of the ICAL includes the following: the ICAL checklist sheet, the injection log, the calibration report for each analyte, the sample report for each level, and the instrument condition report (i.e., MassLYNX Quantify Experiment Report) for one of the levels or reagent blank. The injection log has also been added to the instrument injection logbook.

Comments: The compounds PFDS + PFTeA fall low on the SS. This ICAL was run for samples in work order E181305 and batch 1804008 for project (18-0327) as well as a rerun of the PSI of batch 1804006 associated w/ work order E181301 for project (18-0301) JG 4/24/18

Secondary Analyst: **Initials** JV **Date** 4/24/18

Y	N	NA	1.	All individual items listed above have been thoroughly verified/validated against the requirements in the method and/or technical SOP.
Y	N	NA	2.	All the items listed in #10 are included in the ICAL Packet.
Y	N	NA	3.	Manual integrations are both initialed by the primary and secondary reviewer, the original and manual integration are included in the packet.

Comments: QC-5 PFDS, PFTeA low ICAL ✓

Some PFAS can be a mixture of isomers, dependent on the synthetic technique. Only a single peak can be automatically integrated by integration routines. Where present, all isomers have been manually integrated as a single peak. Automatic and manual integrations are shown.

Sample ID	Acquisition Time	Acquisition Date
20180411_Instrument Blank_1	7:43:39	11-Apr-18
20180411_Instrument Blank_2	8:06:05	11-Apr-18
20180411_8040306_20ngL	8:28:32	11-Apr-18
20180411_8040305_40ngL	8:51:00	11-Apr-18
20180411_8040115_80ngL	9:13:29	11-Apr-18
20180411_8040116_100ngL	9:35:57	11-Apr-18
20180411_8040117_200ngL	9:58:26	11-Apr-18
20180411_8040118_400ngL	10:20:58	11-Apr-18
20180411_8040119_600ngL	10:43:27	11-Apr-18
20180411_8040120_800ngL	11:05:53	11-Apr-18
20180411_7110304_1000ngL	11:28:19	11-Apr-18
20180411_8040121_200ngLSS	11:50:48	11-Apr-18
20180411_Instrument Blank 3	21:06:22	12-Apr-18
20180411_Instrument Blank 4	21:28:49	12-Apr-18
1804008-BLK1	13:57:32	11-Apr-18
1804008-BLK2	14:19:59	11-Apr-18
1804008-BS1	14:42:29	11-Apr-18
1804008-PS1	15:04:56	11-Apr-18
1804006-PS1A	15:27:23	11-Apr-18
E181305-01	15:49:48	11-Apr-18
E181305-02	16:12:16	11-Apr-18
E181305-03	16:34:43	11-Apr-18
E181305-04	16:57:12	11-Apr-18
E181305-05	17:19:41	11-Apr-18
E181305-06	17:42:11	11-Apr-18
E181305-07	18:04:37	11-Apr-18
E181305-08	18:27:02	11-Apr-18
1804008-MS1	18:49:29	11-Apr-18
1804008-MSD1	19:11:56	11-Apr-18
20180411_CCV_CLOSE2	8:29:38	12-Apr-18
20180411_CCV_CLOSE_2	8:53:44	12-Apr-18

LC Gradient Table				
Time (min)	Flow (mL/min)	%A	%B	Curve
Initial	0.300	100.0	0.0	---
1.0	0.300	80.0	20.0	6
6.0	0.300	55.0	45.0	6
13.0	0.300	20.0	80.0	6
17.0	0.300	5.0	95.0	6
18.0	0.300	100.0	0.0	6
21.0	0.300	100.0	0.0	6

Run Time: 21.00 min
Column: Waters Acquity UPLC CSH Phenyl-Hexyl 1.7 um

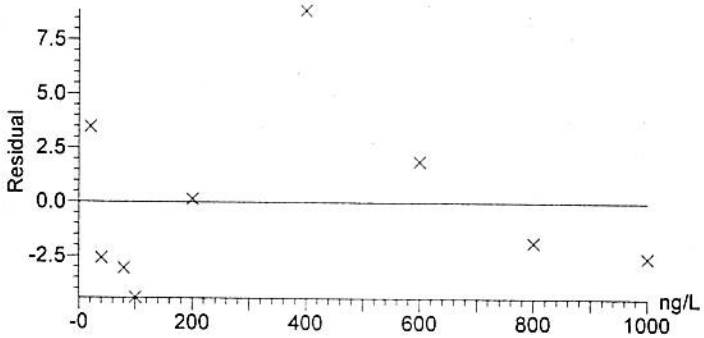
*** Due to the complexity of the LC-MS/MS analytical conditions, a copy of the method has been added to the project file.**

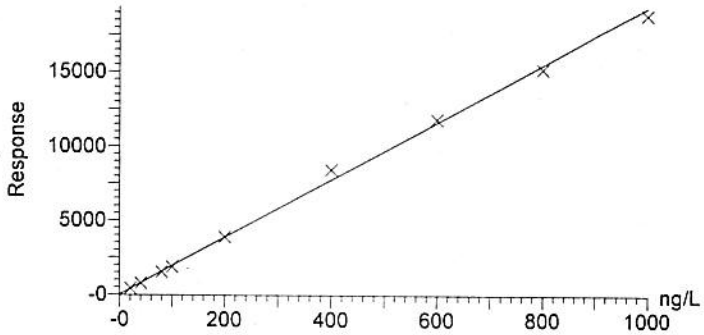
Project: Chemours (18-0327) & Jordan Lake PFAS (18-0301)
WO: E181305 and E181301 Batch: 1804008 and 1804006
Analyst: J. Giles
Instrument name: S ITHTQ

Quantify Calibration Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

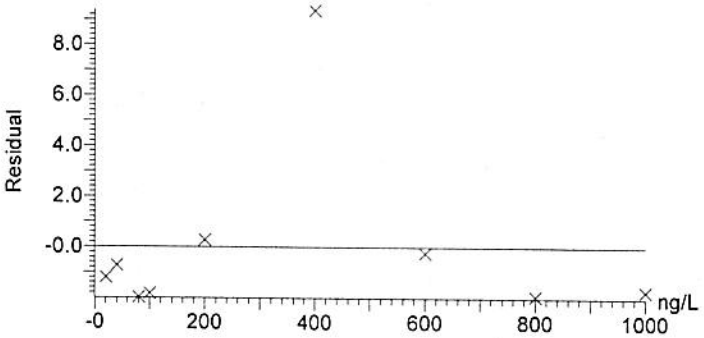
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

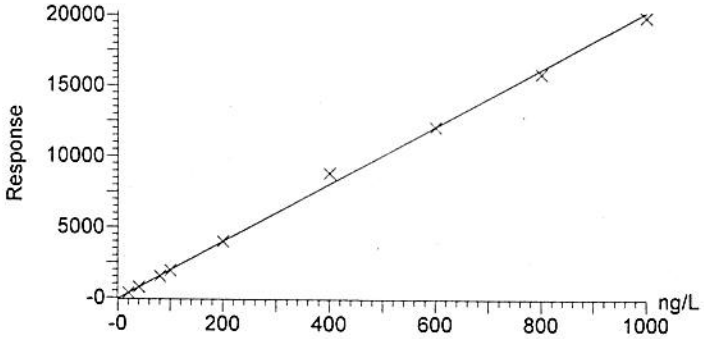
Compound name: PFBA
Correlation coefficient: r = 0.999080, r^2 = 0.998162
Calibration curve: 19.3415 * x + 13.1302
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



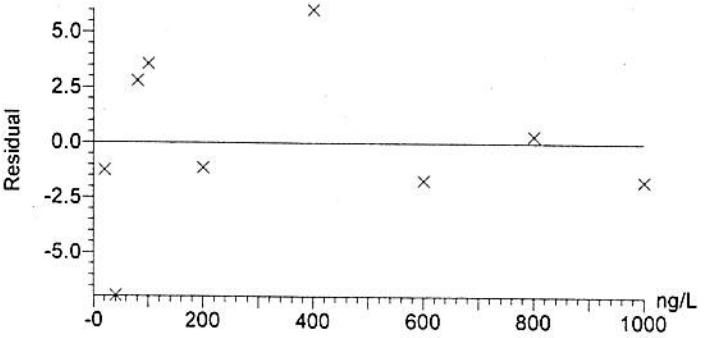


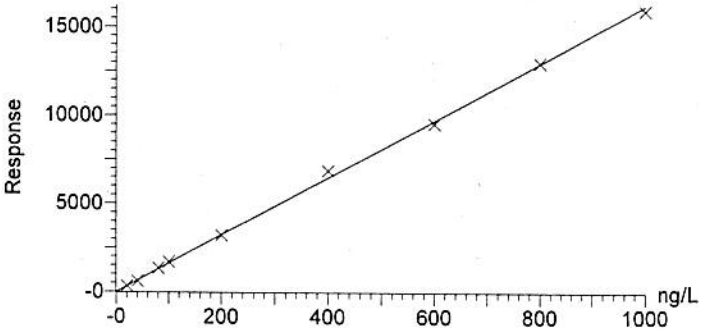
Compound name: PFBA (M+4)
Correlation coefficient: r = 0.999162, r^2 = 0.998324
Calibration curve: 20.2997 * x + -60.4269
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFPeA
Correlation coefficient: r = 0.999530, r^2 = 0.999061
Calibration curve: 16.1912 * x + -5.11954
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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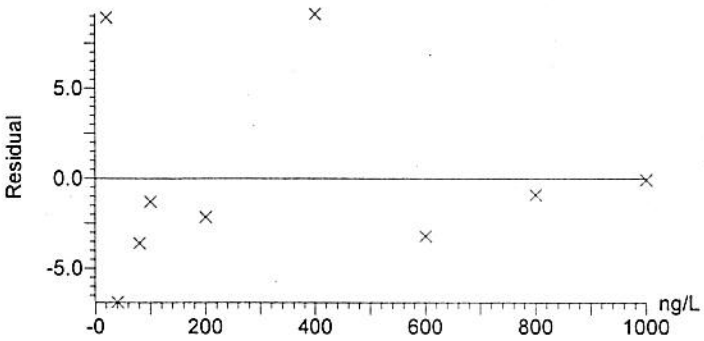
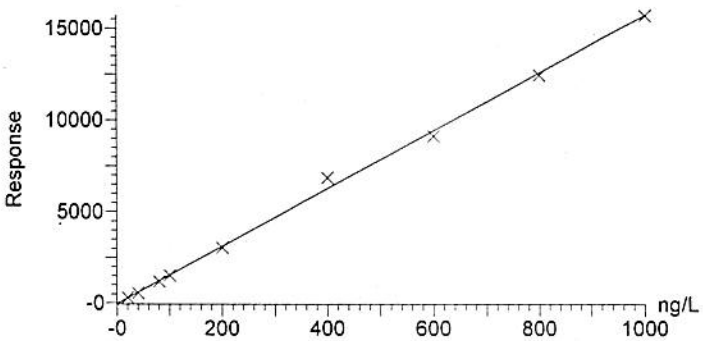
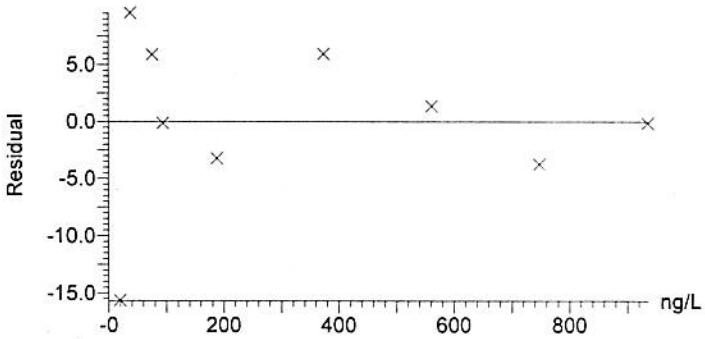
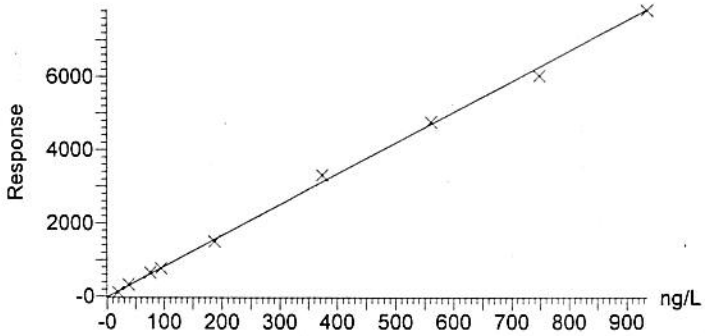
Compound name: PFPeA (M+5)
Correlation coefficient: r = 0.999086, r^2 = 0.998173
Calibration curve: 15.7513 * x + -31.4462
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



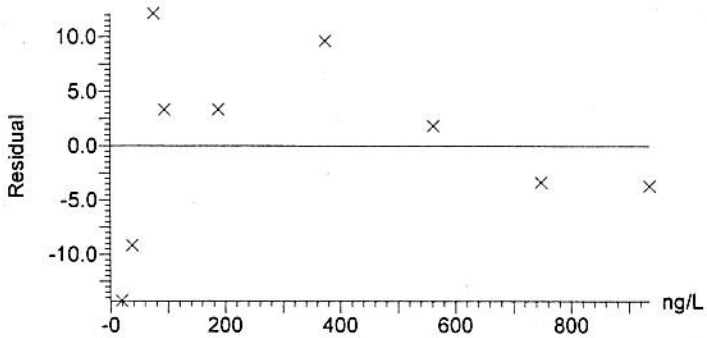


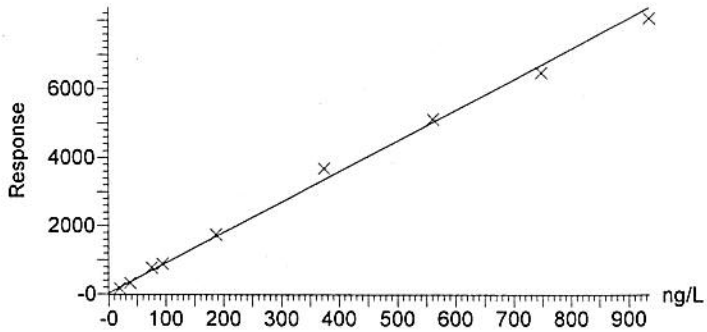
Compound name: 4:2 FTS
Correlation coefficient: r = 0.999201, r^2 = 0.998403
Calibration curve: 8.40059 * x + -13.1716
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: 4:2 FTS (M+2)
Correlation coefficient: r = 0.998317, r^2 = 0.996636
Calibration curve: 8.93606 * x + 26.9424
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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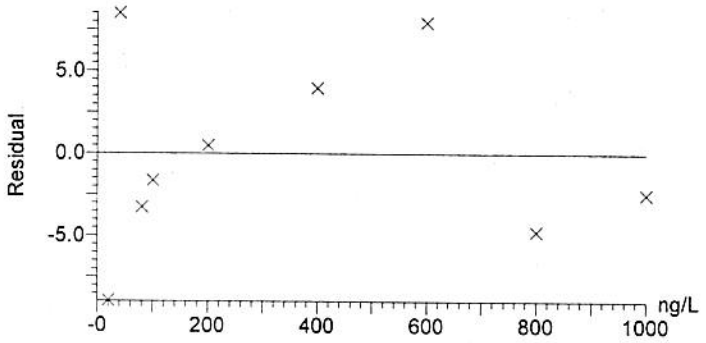
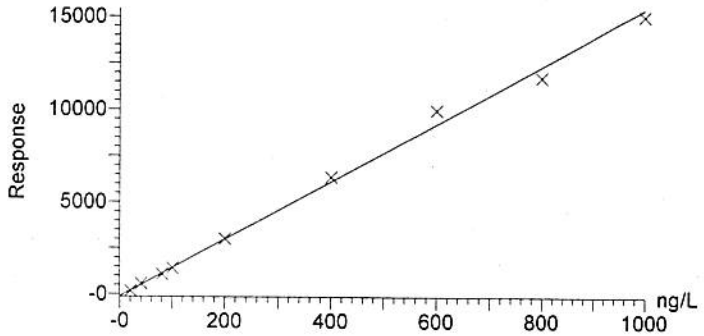
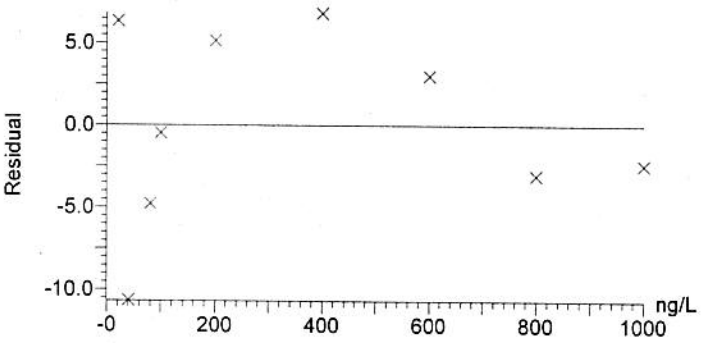
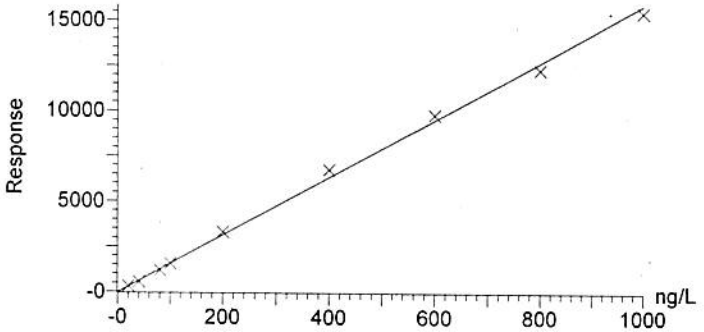
Compound name: PFHxA
Correlation coefficient: r = 0.998527, r^2 = 0.997057
Calibration curve: 15.542 * x + -103.767
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



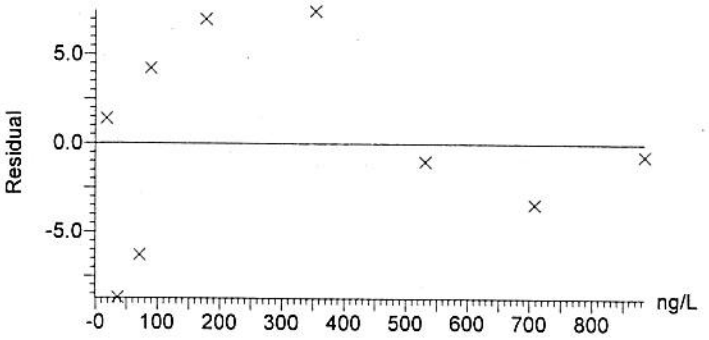


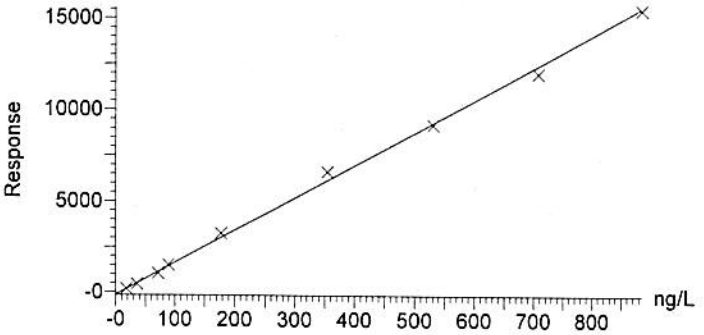
Compound name: PFHxA (M+5)
Correlation coefficient: r = 0.999003, r^2 = 0.998007
Calibration curve: 15.8647 * x + -20.677
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFBS
Correlation coefficient: r = 0.998993, r^2 = 0.997987
Calibration curve: 17.7344 * x + -117.869
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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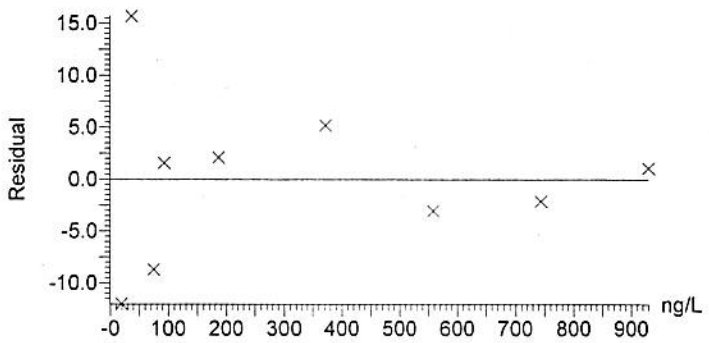
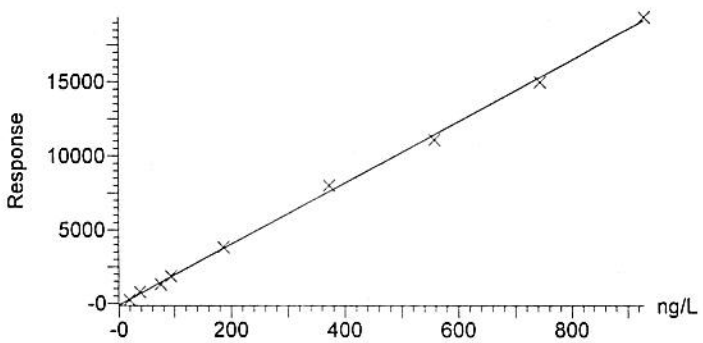
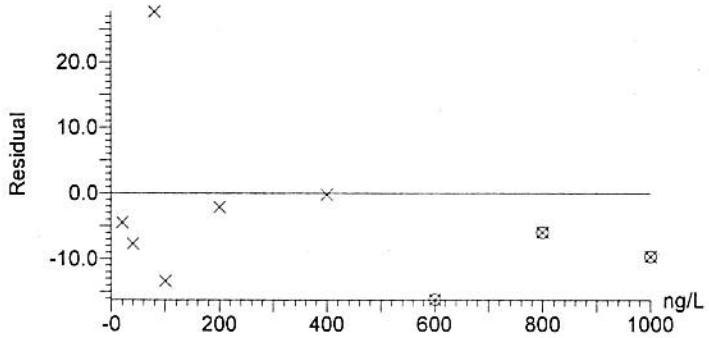
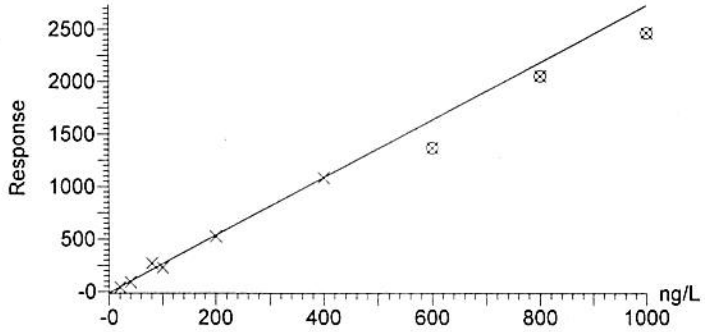
Compound name: PFBS (M+3)
Correlation coefficient: r = 0.999180, r^2 = 0.998360
Calibration curve: 20.7234 * x + -100.908
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



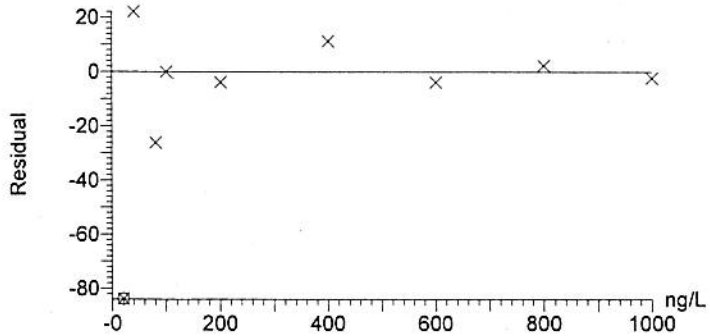


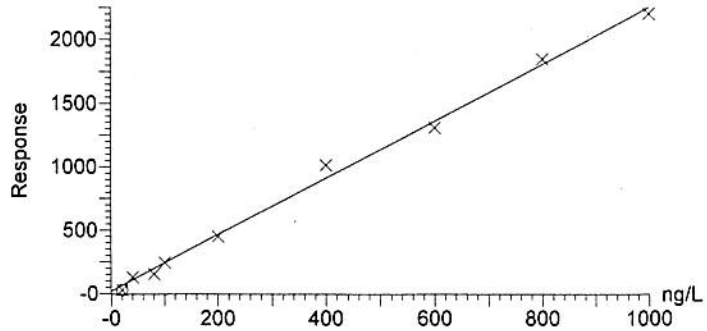
Compound name: HFPO-DA
Correlation coefficient: r = 0.991756, r^2 = 0.983581
Calibration curve: 2.74169 * x + -8.60301
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: HFPO-DA (M+3)
Correlation coefficient: r = 0.996584, r^2 = 0.993180
Calibration curve: 2.23534 * x + 20.347
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Instrument Name: S ITHTQ User: JG
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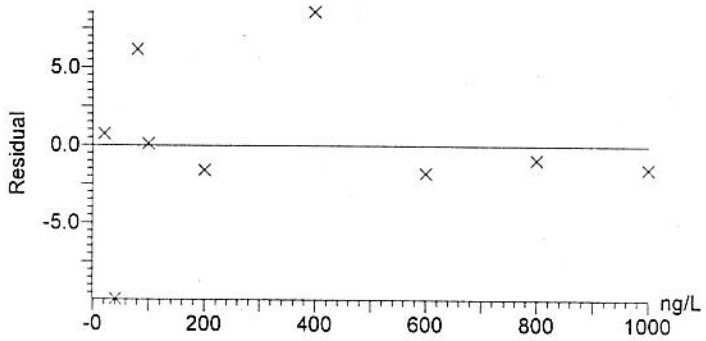
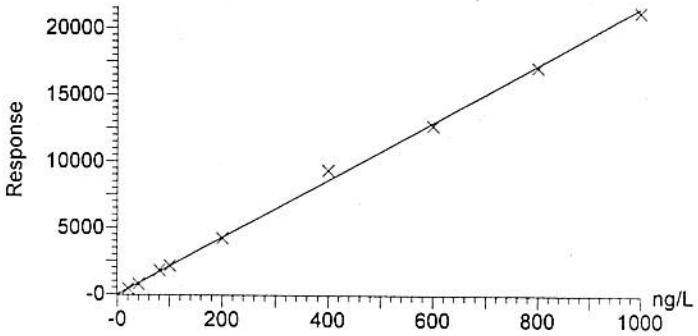
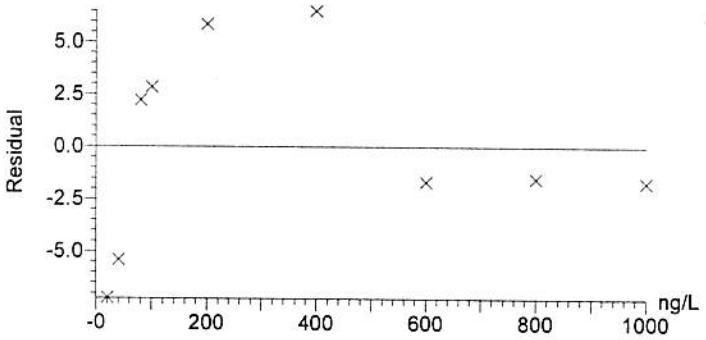
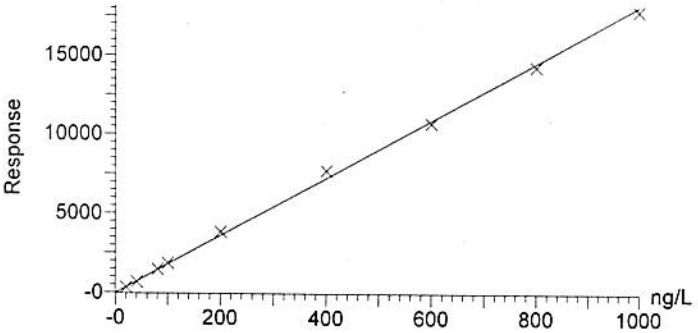
Compound name: PFHpA
Correlation coefficient: r = 0.999166, r^2 = 0.998333
Calibration curve: 21.6163 * x + -24.7309
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



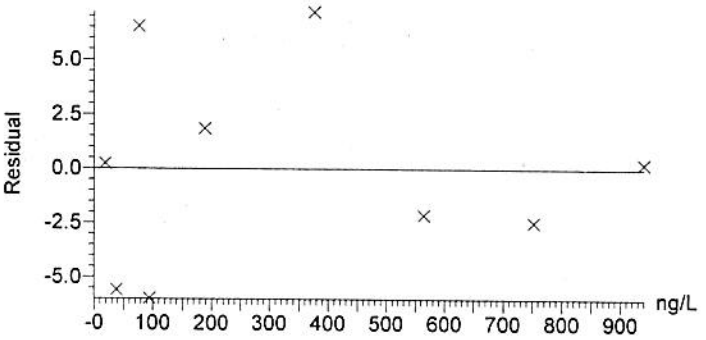


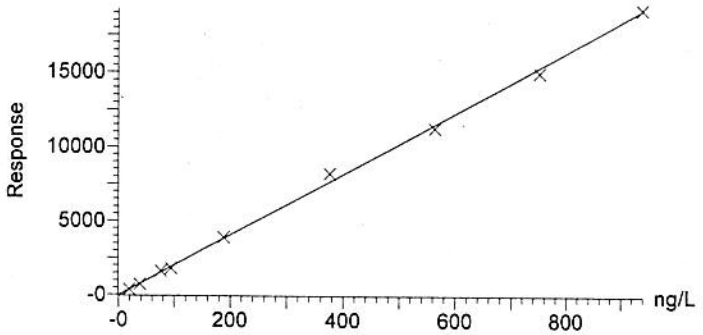
Compound name: PFHpA (M+4)
Correlation coefficient: r = 0.999327, r^2 = 0.998654
Calibration curve: 18.1756 * x + -30.2235
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFPeS
Correlation coefficient: r = 0.999256, r^2 = 0.998512
Calibration curve: 20.4352 * x + -12.0428
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





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Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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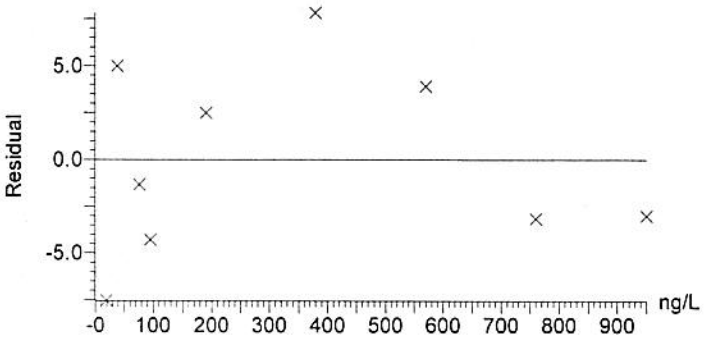
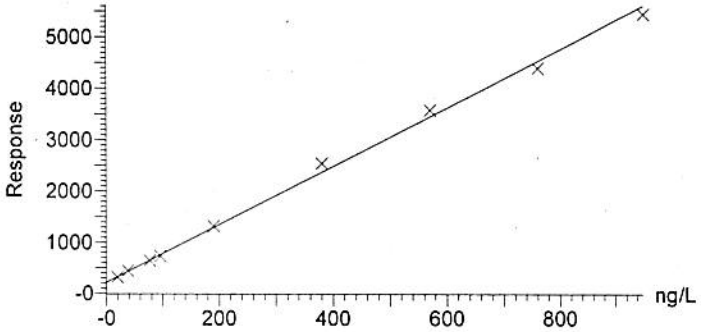
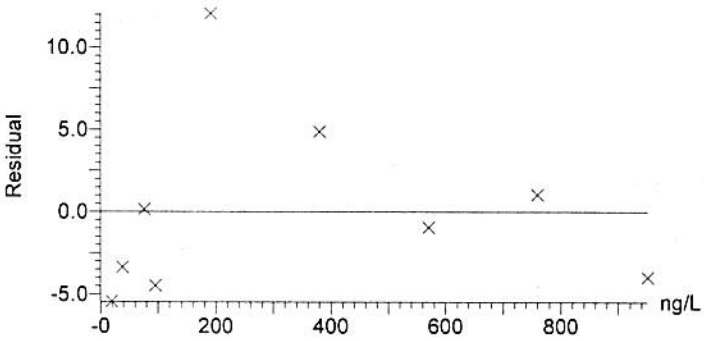
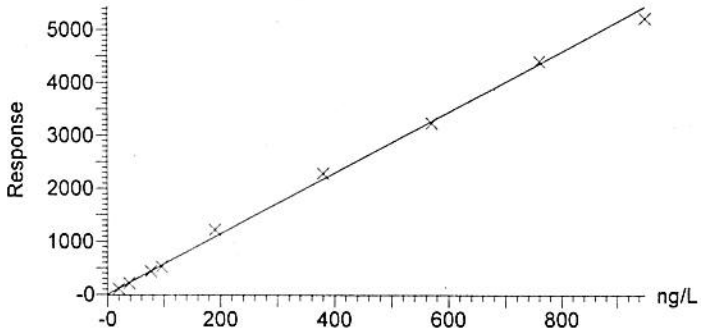
Compound name: 6:2 FTS
Correlation coefficient: r = 0.998883, r^2 = 0.997767
Calibration curve: 5.6787 * x + 218.088
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



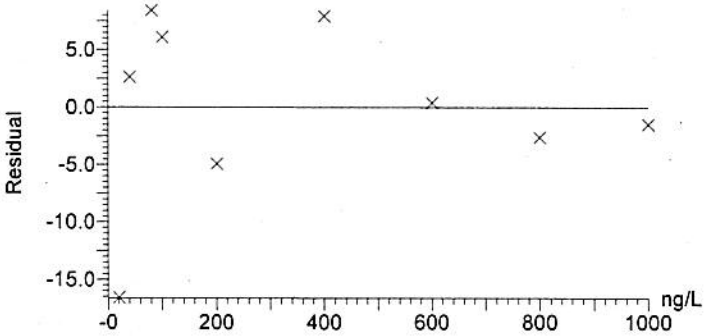


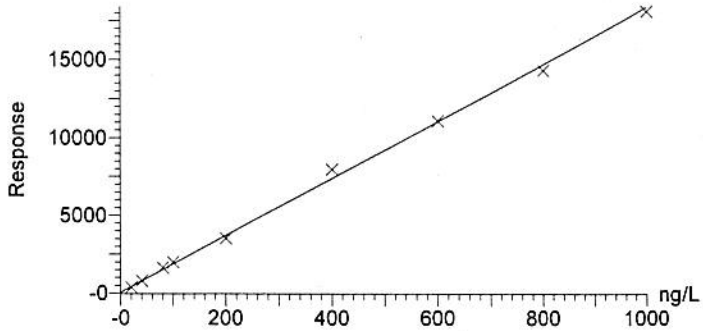
Compound name: 6:2 FTS (M+2)
Correlation coefficient: r = 0.998821, r^2 = 0.997644
Calibration curve: 5.72711 * x + 4.48453
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





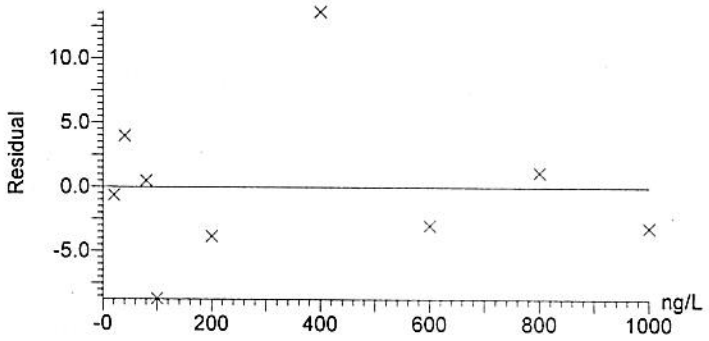
Compound name: PFOA
Correlation coefficient: r = 0.998949, r^2 = 0.997898
Calibration curve: 18.3483 * x + 54.1374
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

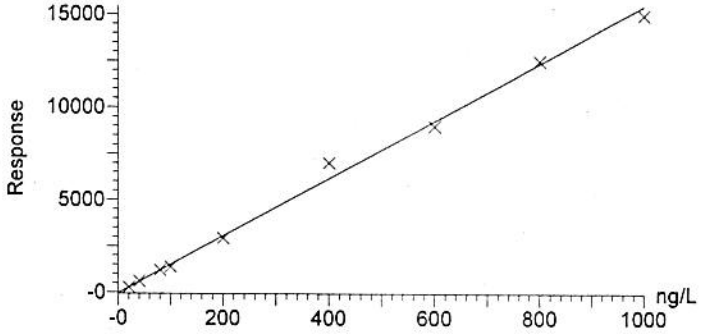




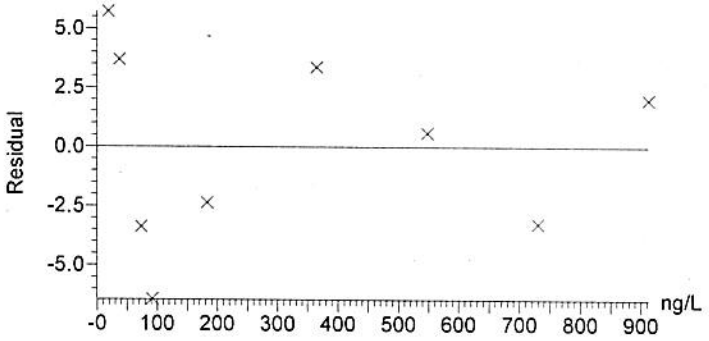
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

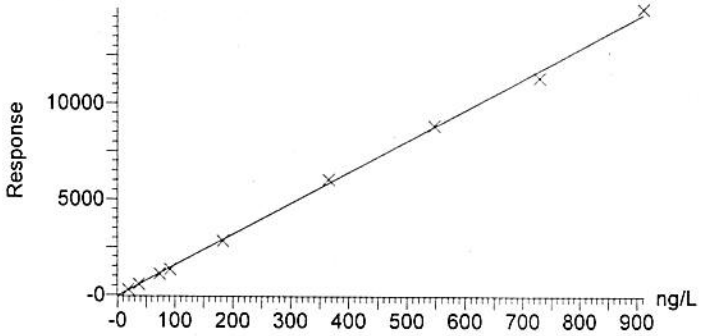
Compound name: PFOA (M+8)
Correlation coefficient: r = 0.997964, r^2 = 0.995931
Calibration curve: 15.492 * x + -35.1394
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



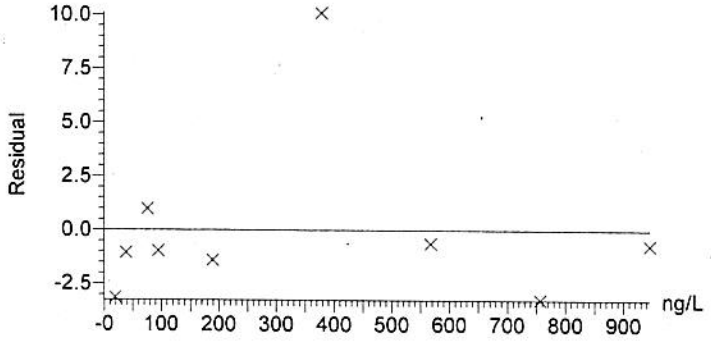


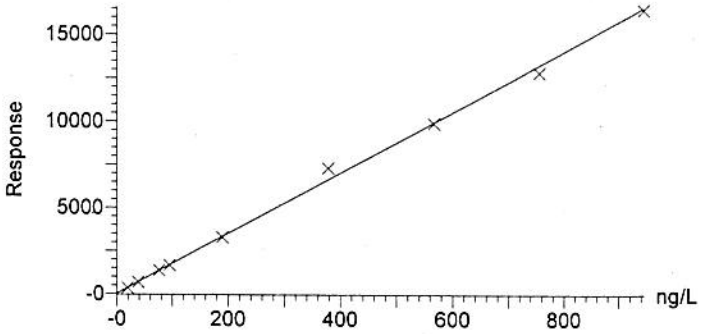
Compound name: PFHxS
Correlation coefficient: r = 0.999509, r^2 = 0.999018
Calibration curve: 16.1372 * x + -38.701
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





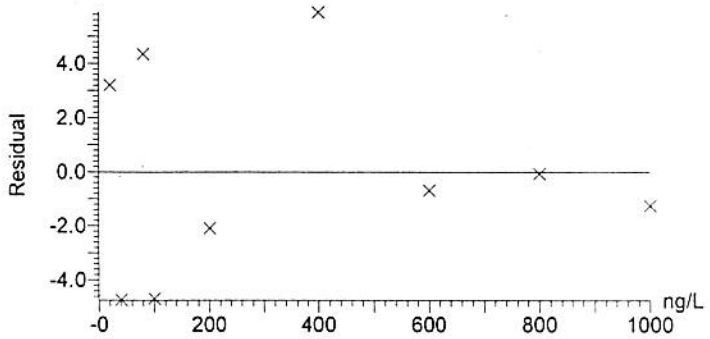
Compound name: PFHxS (M+3)
Correlation coefficient: r = 0.998988, r^2 = 0.997976
Calibration curve: 17.4904 * x + 34.9864
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

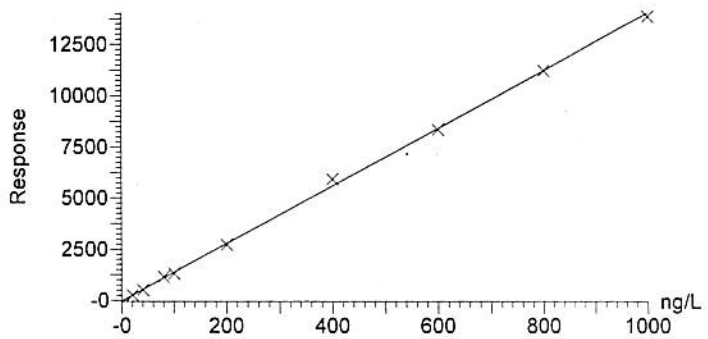




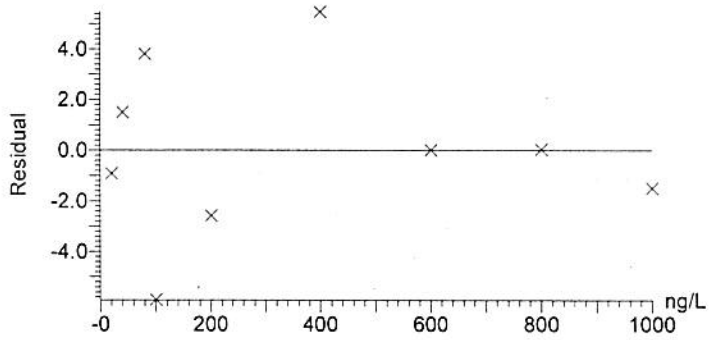
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

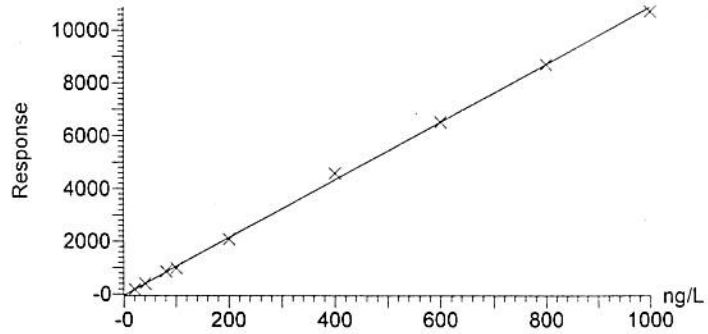
Compound name: PFNA
Correlation coefficient: r = 0.999573, r^2 = 0.999146
Calibration curve: 14.061 * x + -20.1344
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



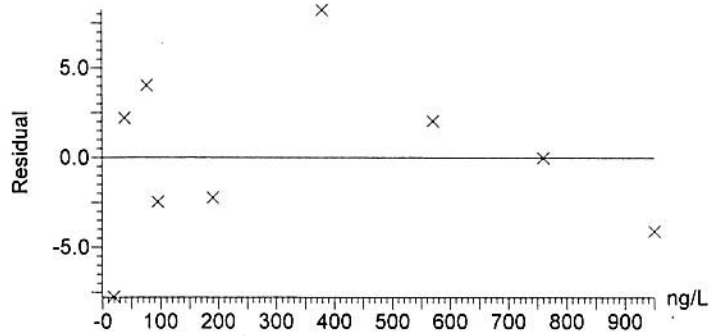


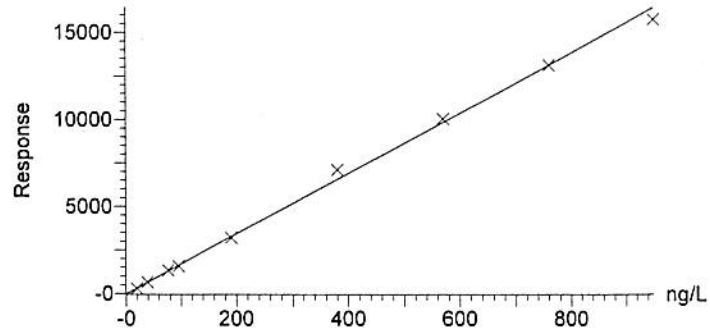
Compound name: PFNA (M+9)
Correlation coefficient: r = 0.999593, r^2 = 0.999187
Calibration curve: 10.9317 * x + -34.4549
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





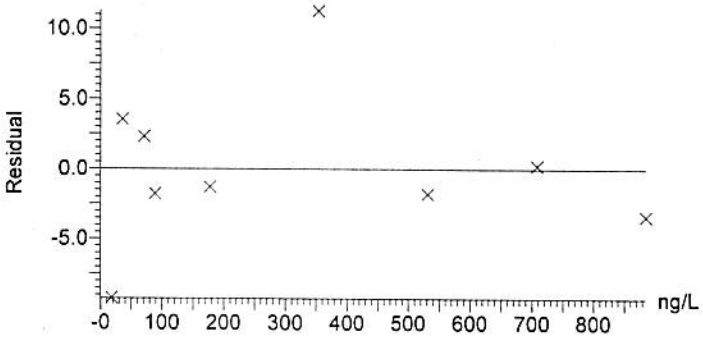
Compound name: PFHpS
Correlation coefficient: r = 0.998984, r^2 = 0.997970
Calibration curve: 17.309 * x + -19.4856
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

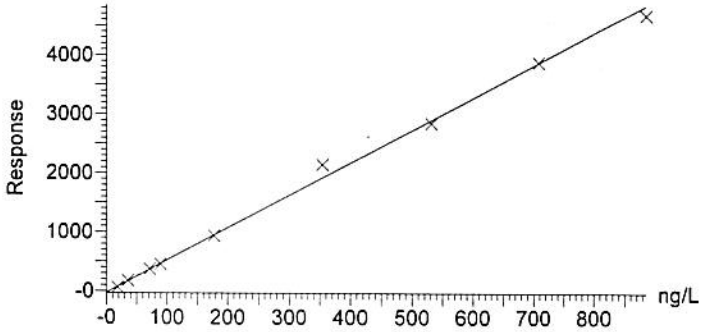




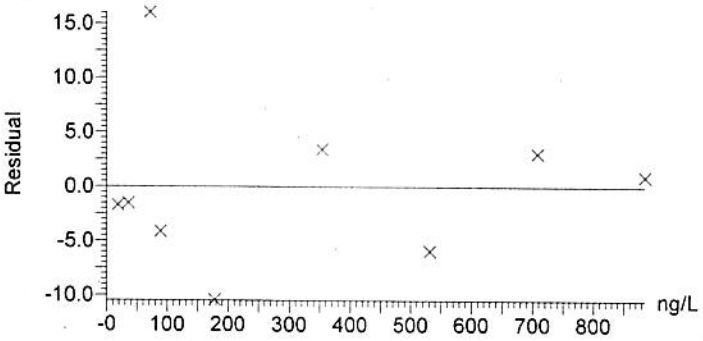
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

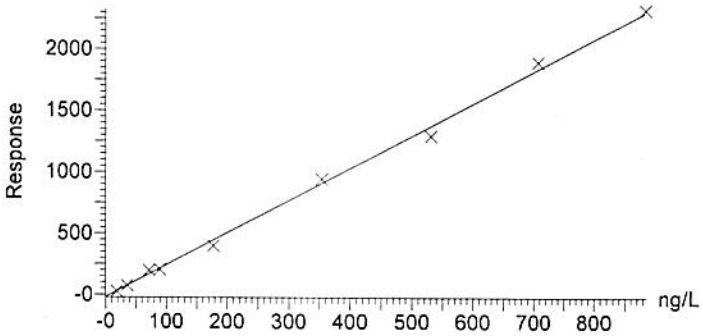
Compound name: 8:2 FTS
Correlation coefficient: r = 0.998653, r^2 = 0.997308
Calibration curve: 5.50862 * x + -23.9075
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



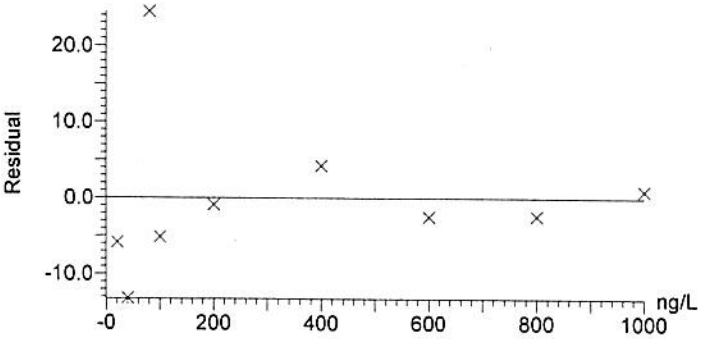


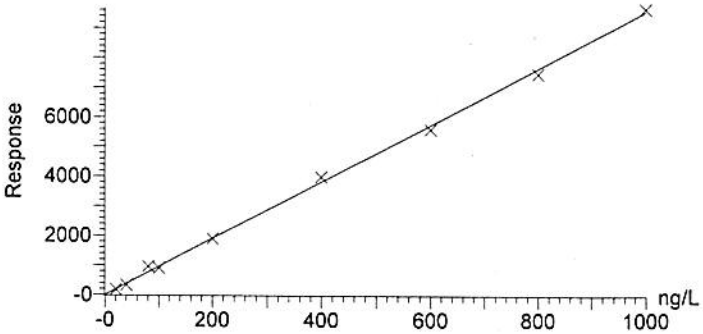
Compound name: 8:2 FTS (M+2)
Correlation coefficient: r = 0.998436, r^2 = 0.996874
Calibration curve: 2.62211 * x + -16.7901
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





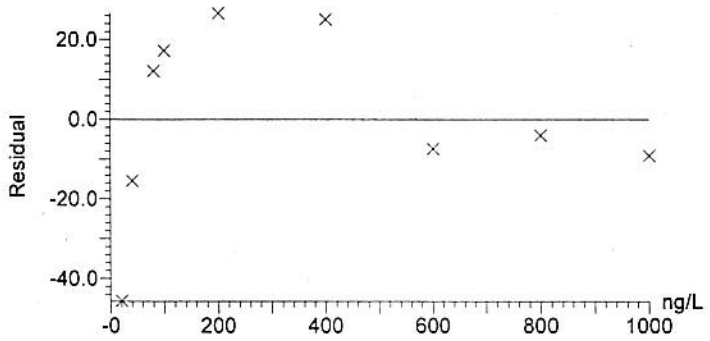
Compound name: PFDA
Correlation coefficient: r = 0.998510, r^2 = 0.997023
Calibration curve: 9.55637 * x + 4.22998
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

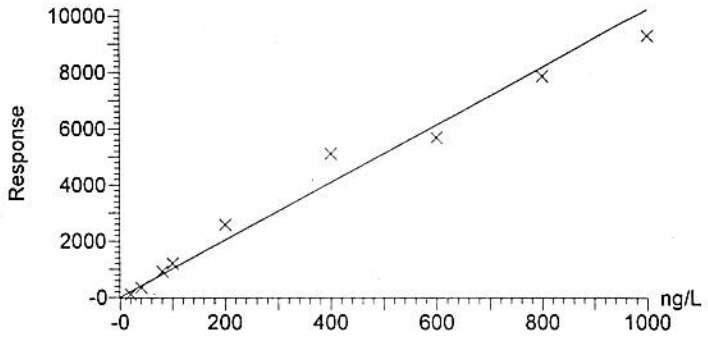




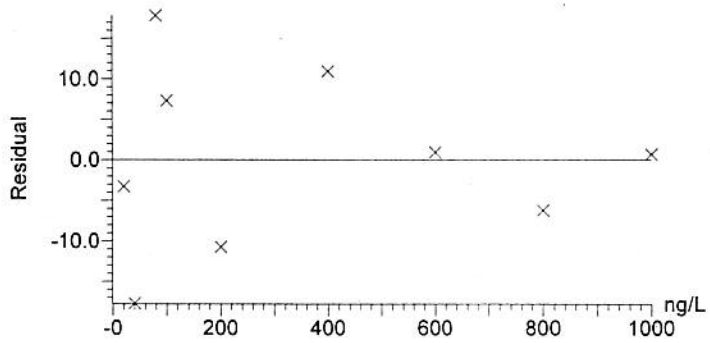
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

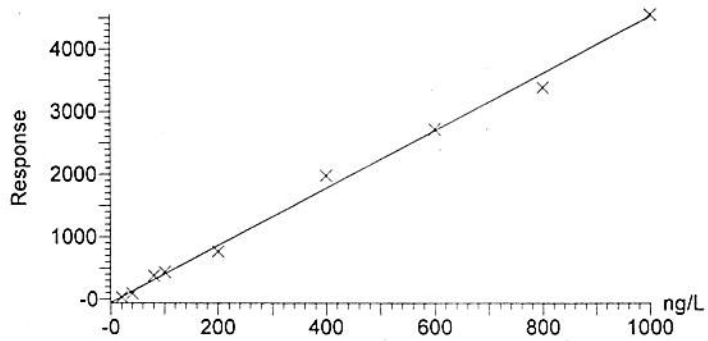
Compound name: PFDA (M+6)
Correlation coefficient: r = 0.987948, r^2 = 0.976042
Calibration curve: 10.2171 * x + 7.2625
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



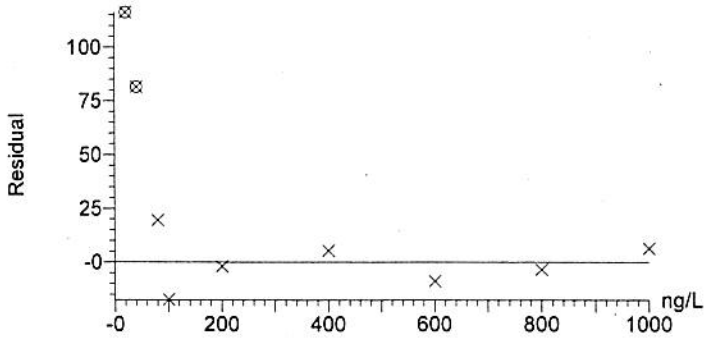


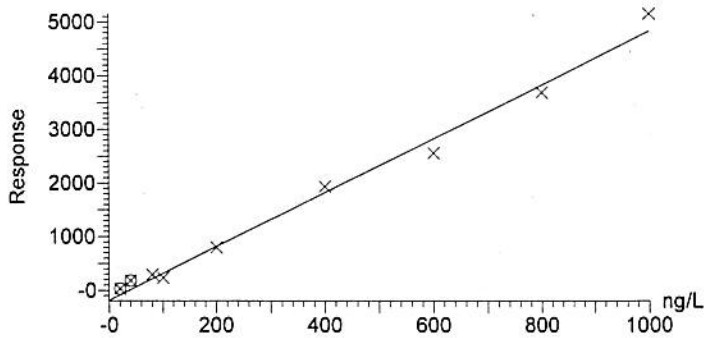
Compound name: N-MeFOSAA
Correlation coefficient: r = 0.997086, r^2 = 0.994180
Calibration curve: 4.57972 * x + -53.8796
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





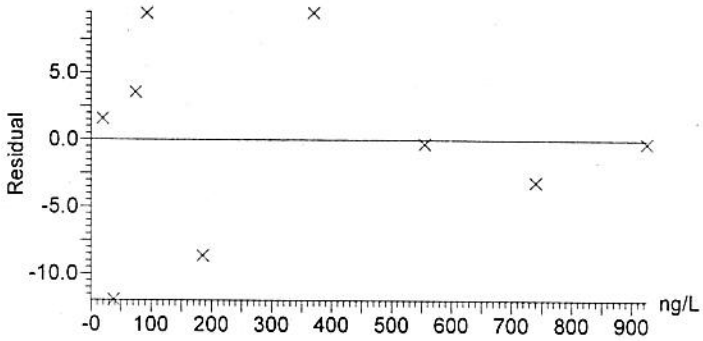
Compound name: N-MeFOSAA (M+3)
Correlation coefficient: r = 0.995150, r^2 = 0.990324
Calibration curve: 5.0194 * x + -180.681
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

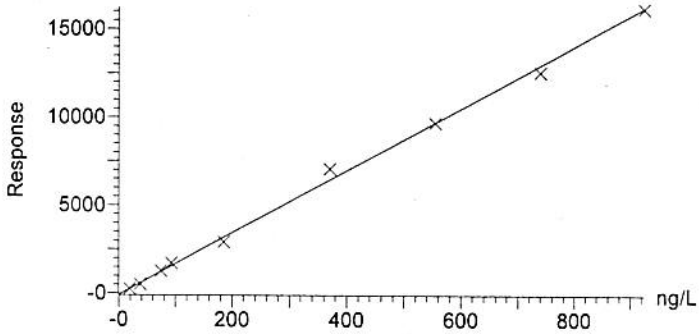




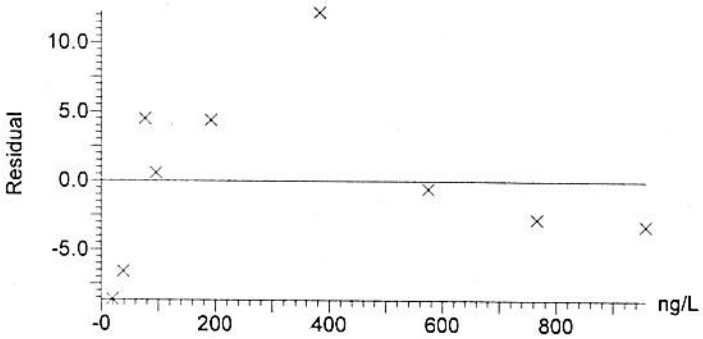
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

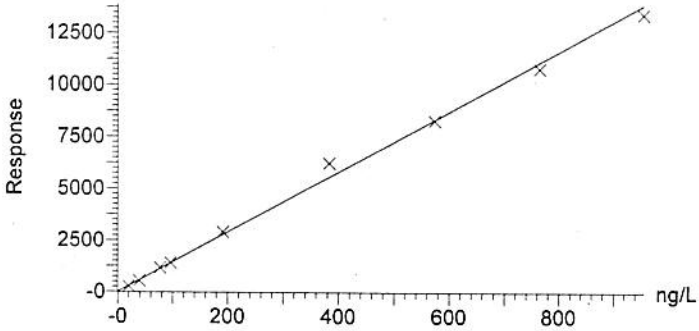
Compound name: PFOS
Correlation coefficient: r = 0.998511, r^2 = 0.997024
Calibration curve: 17.6123 * x + -64.5336
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



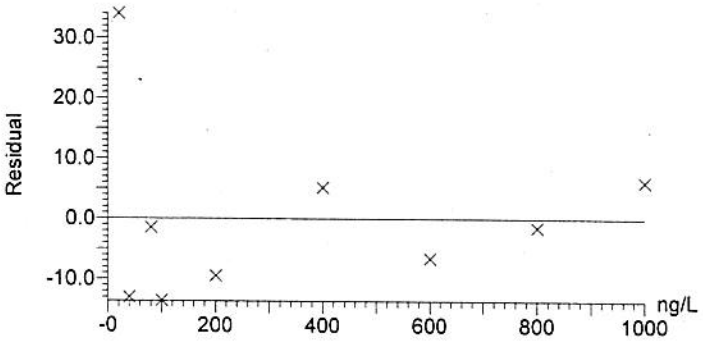


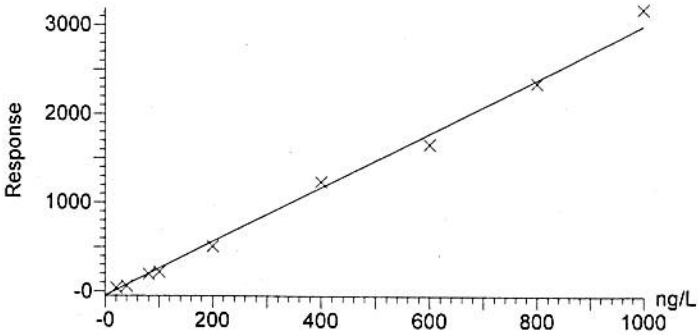
Compound name: PFOS (M+8)
Correlation coefficient: r = 0.998295, r^2 = 0.996593
Calibration curve: 14.4991 * x + 5.53818
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





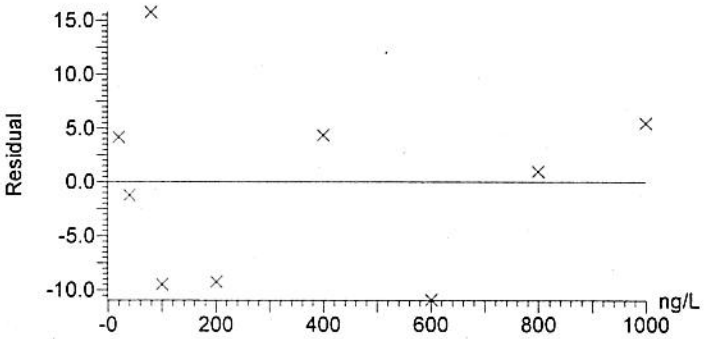
Compound name: N-EtFOSAA
Correlation coefficient: r = 0.997155, r^2 = 0.994319
Calibration curve: 3.03814 * x + -40.8597
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

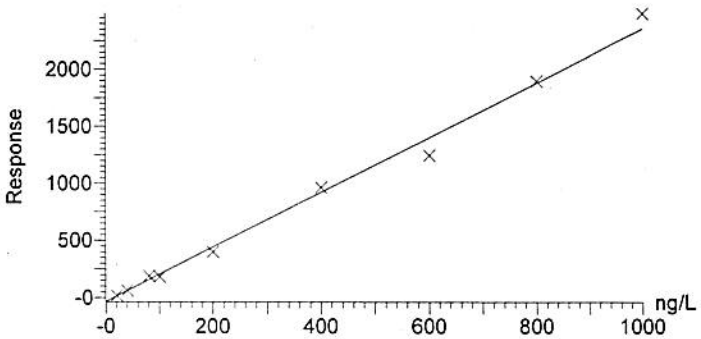




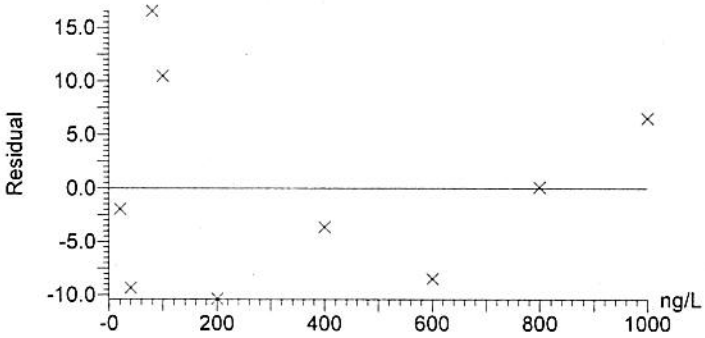
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

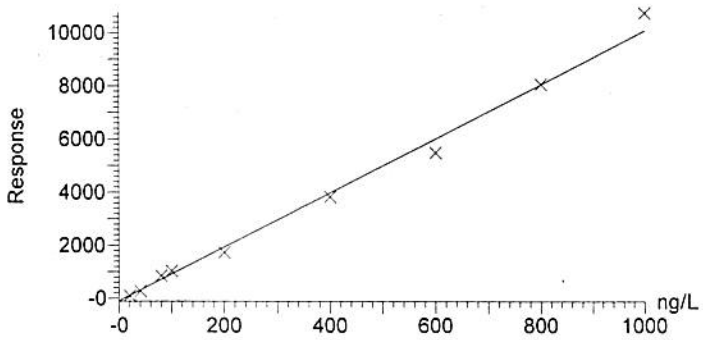
Compound name: N-EtFOSAA (M+5)
Correlation coefficient: r = 0.996885, r^2 = 0.993780
Calibration curve: 2.39039 * x + -31.9858
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



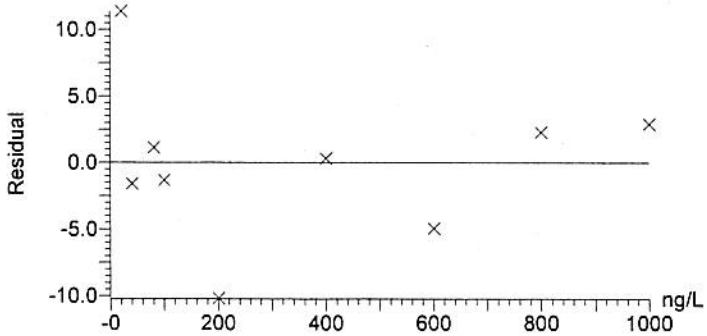


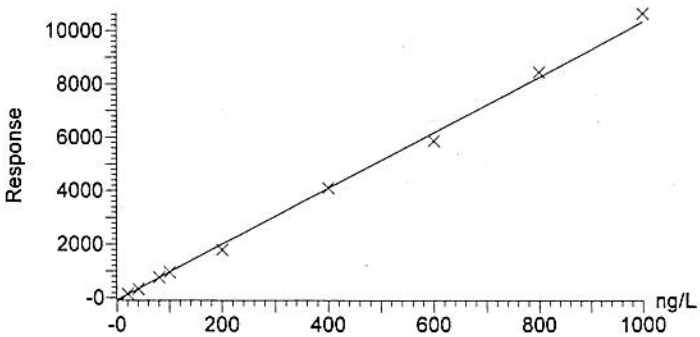
Compound name: PFUnA
Correlation coefficient: r = 0.997034, r^2 = 0.994078
Calibration curve: 10.185 * x + -89.7989
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





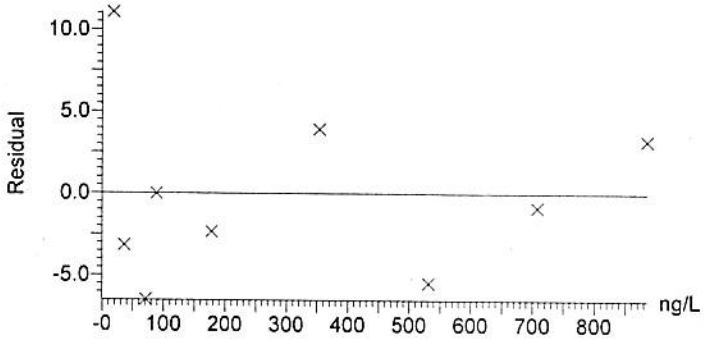
Compound name: PFUnA (M+7)
Correlation coefficient: r = 0.998976, r^2 = 0.997952
Calibration curve: 10.4213 * x + -69.506
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

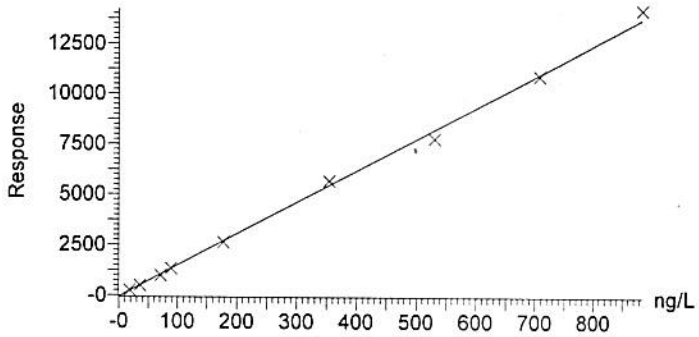




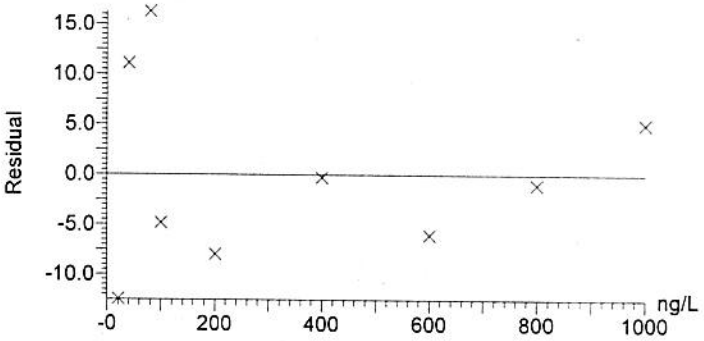
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

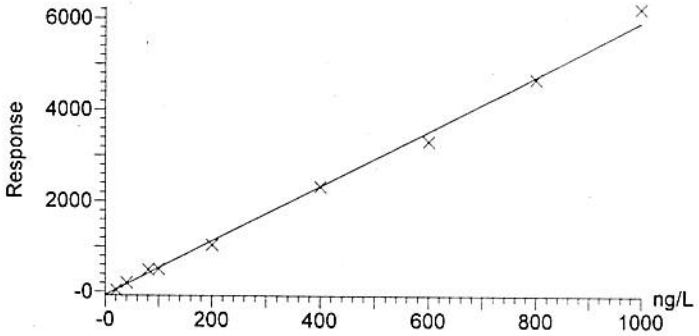
Compound name: PFNS
Correlation coefficient: r = 0.999151, r^2 = 0.998302
Calibration curve: 15.6052 * x + -47.5559
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



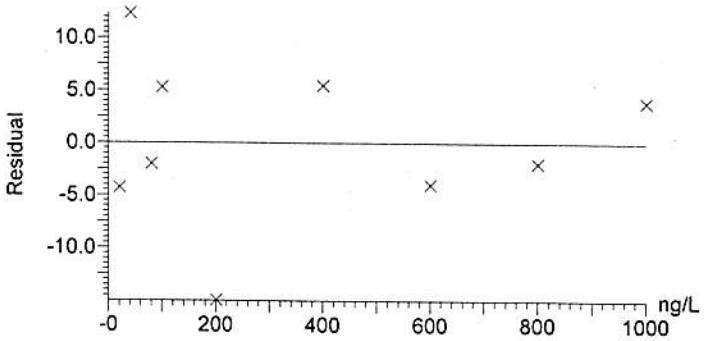


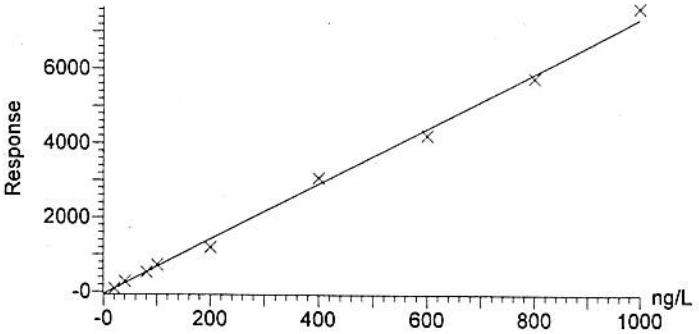
Compound name: PFDoA
Correlation coefficient: r = 0.998160, r^2 = 0.996323
Calibration curve: 5.99522 * x + -60.3602
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





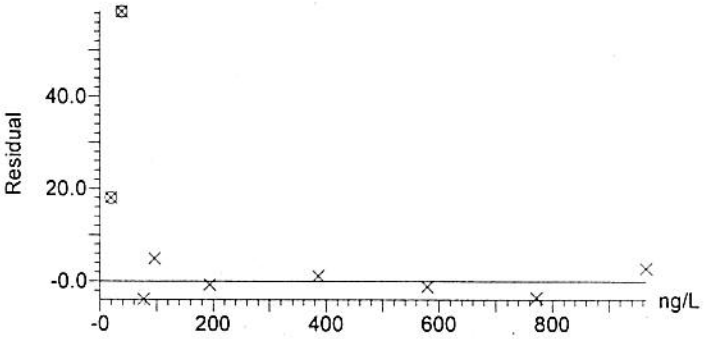
Compound name: PFDoA (M+2)
Correlation coefficient: r = 0.998114, r^2 = 0.996232
Calibration curve: 7.41703 * x + -51.2266
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

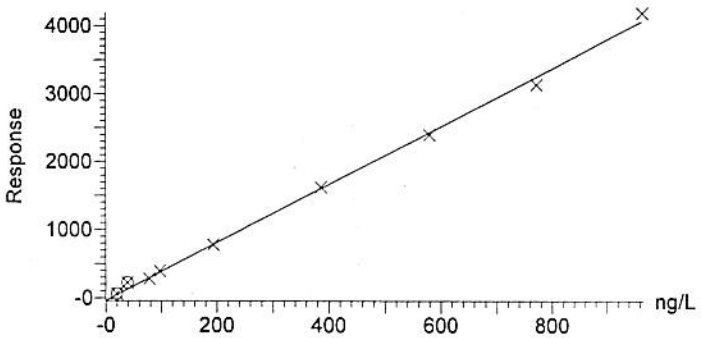




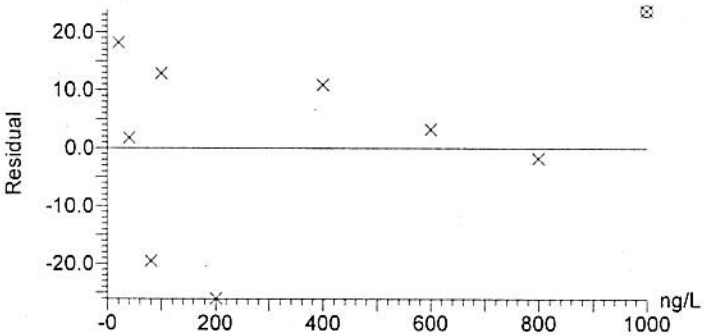
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

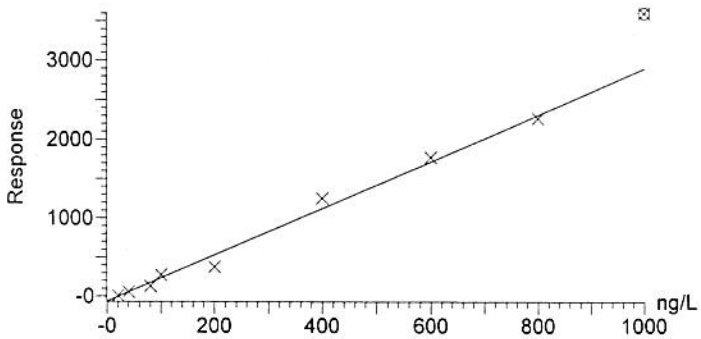
Compound name: PFDS
Correlation coefficient: r = 0.999345, r^2 = 0.998691
Calibration curve: 4.2593 * x + -35.1993
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



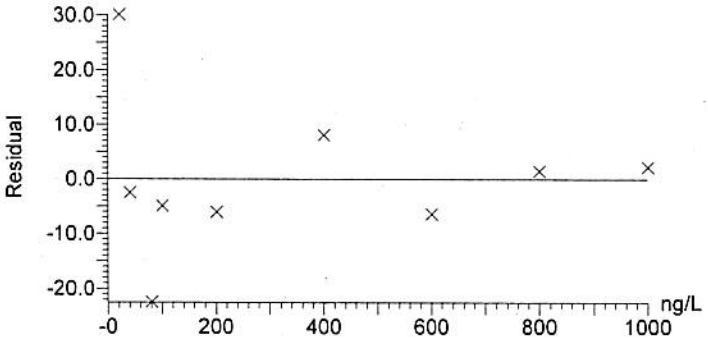


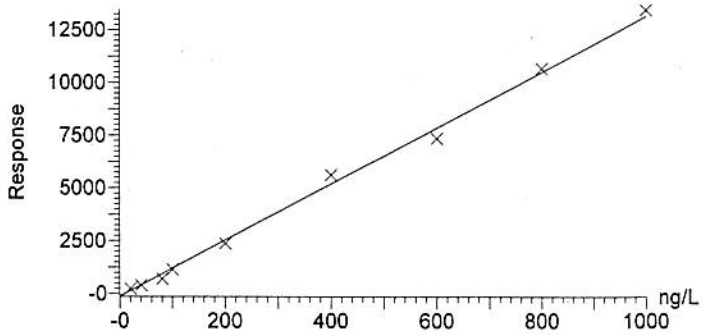
Compound name: PFTrA
Correlation coefficient: r = 0.992604, r^2 = 0.985263
Calibration curve: 2.95999 * x + -60.2283
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





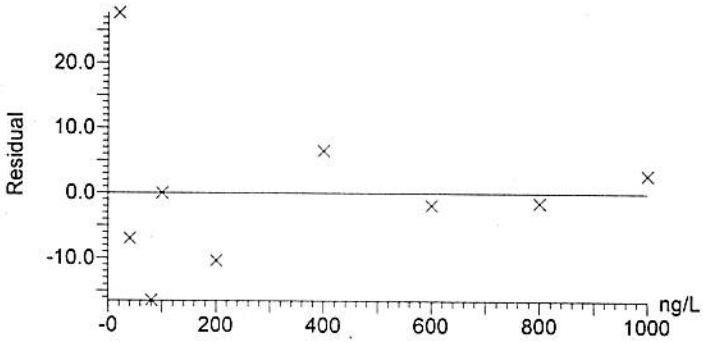
Compound name: FOSA
Correlation coefficient: r = 0.997486, r^2 = 0.994977
Calibration curve: 13.2812 * x + -110.05
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

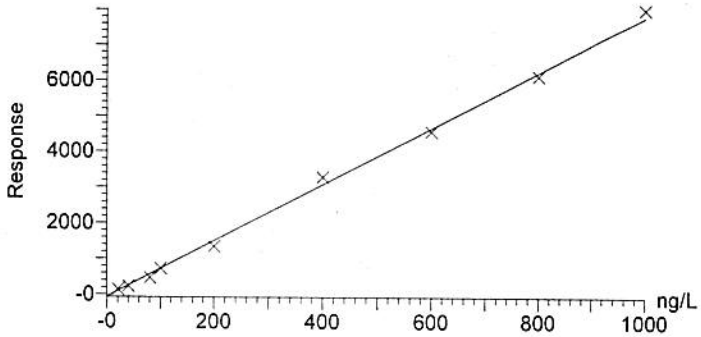




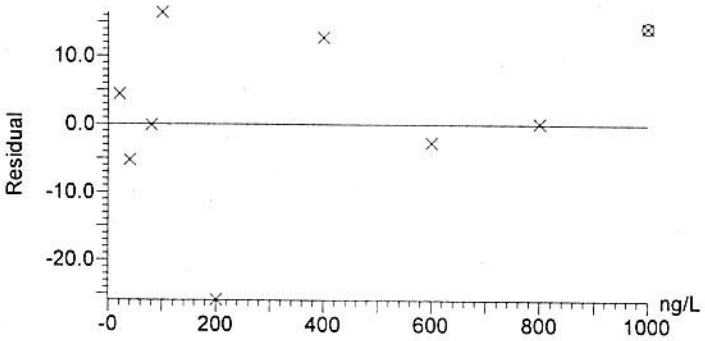
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:27:11 Eastern Daylight Time

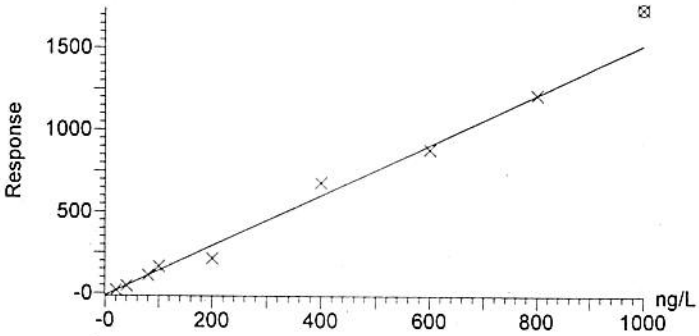
Compound name: FOSA (M+8)
Correlation coefficient: r = 0.998219, r^2 = 0.996441
Calibration curve: 7.85278 * x + -55.1775
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



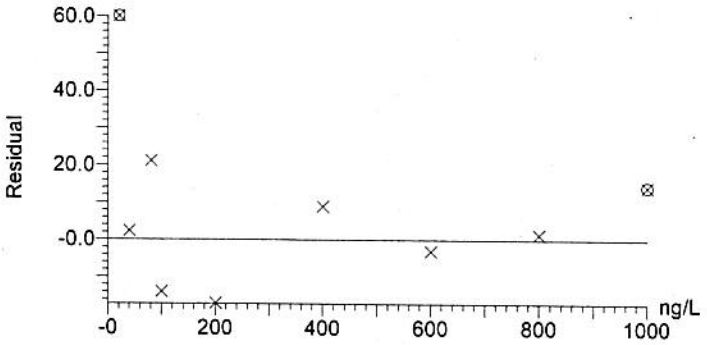


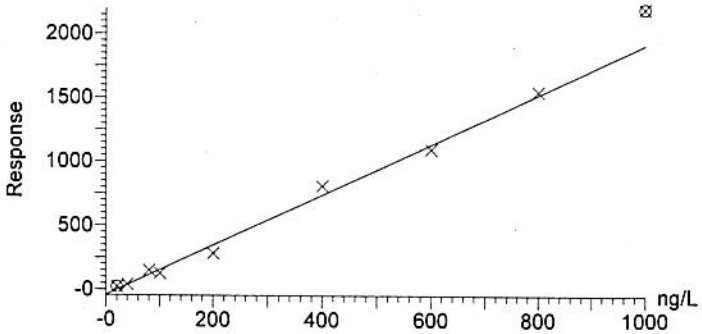
Compound name: PFTeA
Correlation coefficient: r = 0.993029, r^2 = 0.986107
Calibration curve: 1.53458 * x + -12.3588
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None





Compound name: PFTeA (M+2)
Correlation coefficient: r = 0.994464, r^2 = 0.988958
Calibration curve: 1.95677 * x + -39.1225
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



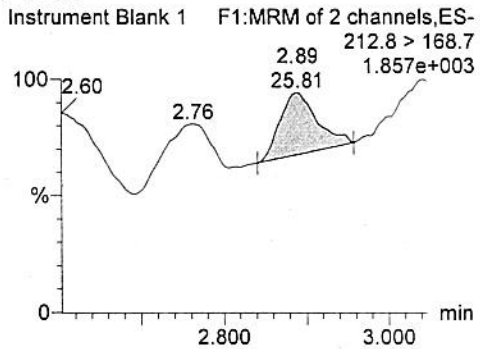


Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:48 Eastern Daylight Time

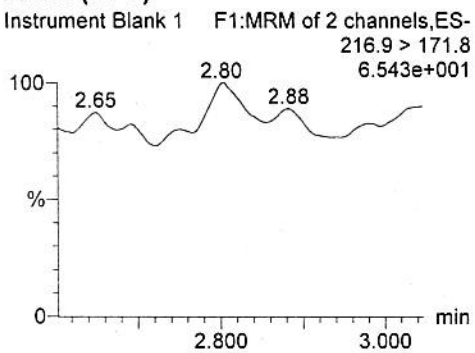
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_Instrument Blank_1, Date: 11-Apr-2018, Time: 07:43:39, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

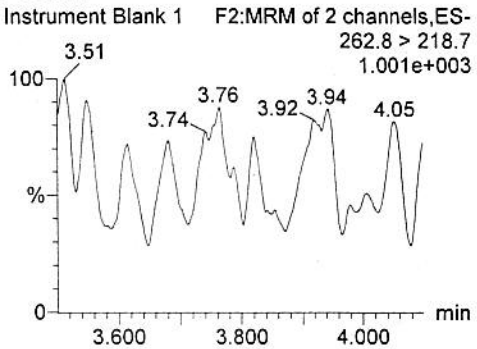
PFBA



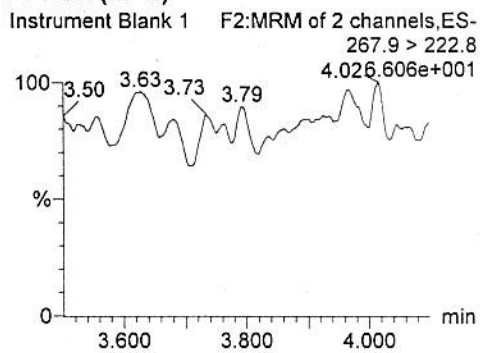
PFBA (M+4)



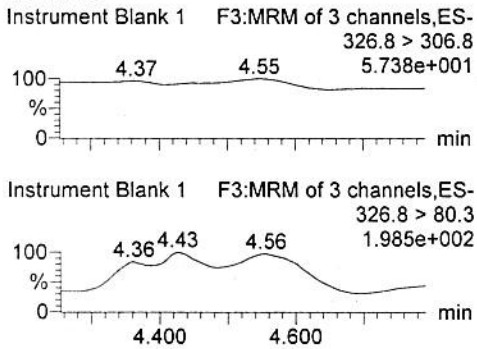
PFPeA



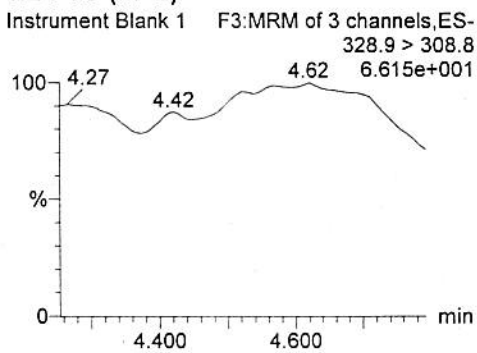
PFPeA (M+5)



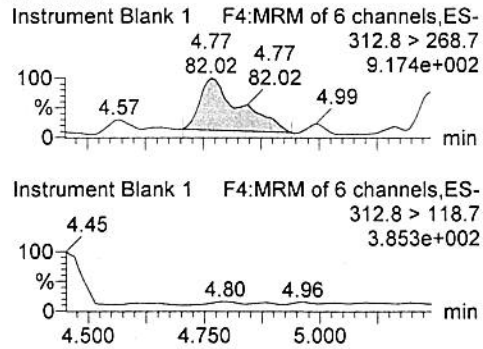
4:2 FTS



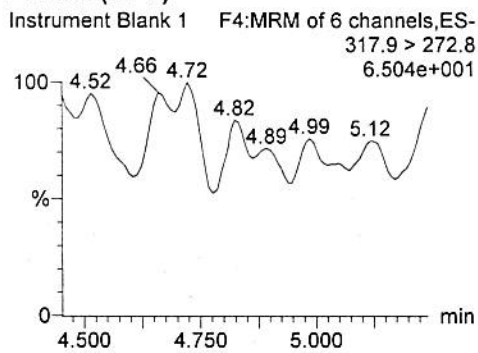
4:2 FTS (M+2)



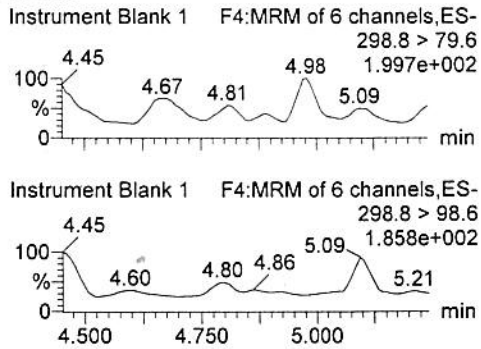
PFHxA



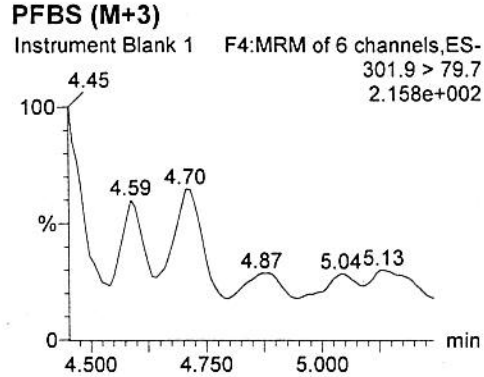
PFHxA (M+5)



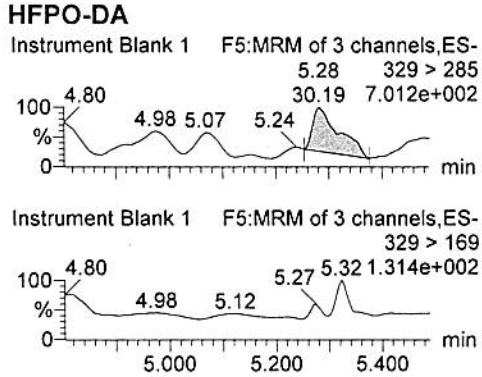
PFBS



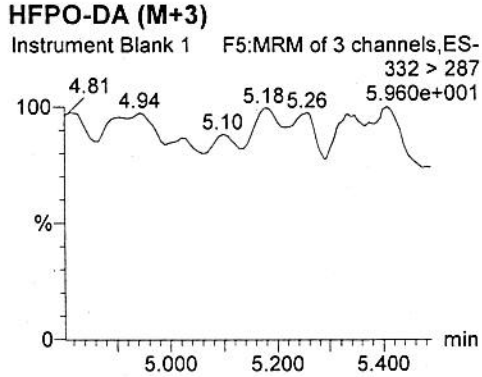
PFBS (M+3)



HFPO-DA



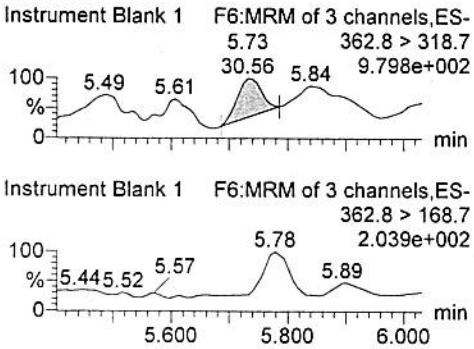
HFPO-DA (M+3)



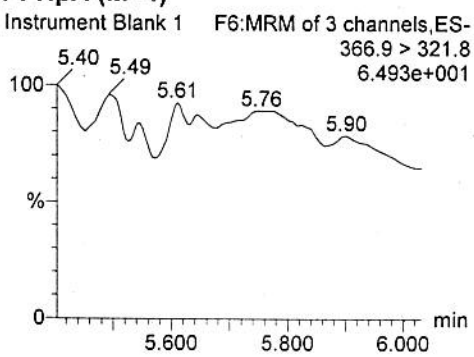
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:48 Eastern Daylight Time

Name: 20180411_Instrument Blank_1, Date: 11-Apr-2018, Time: 07:43:39, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

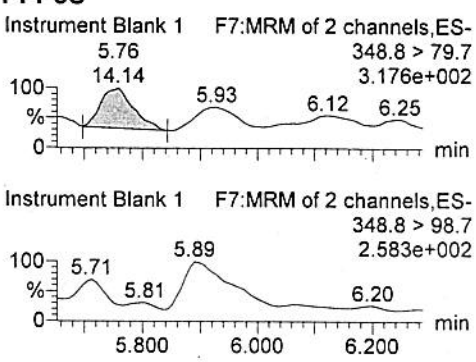
PFHpA



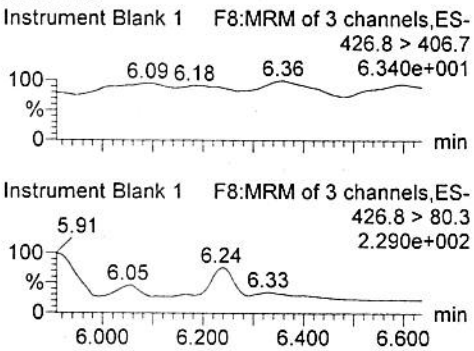
PFHpA (M+4)



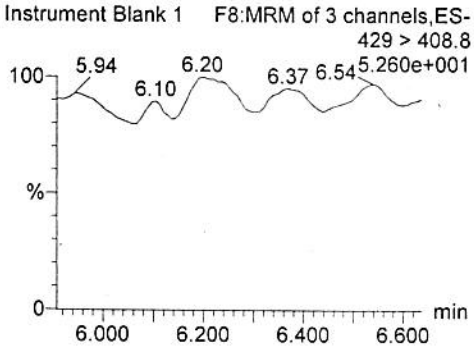
PFPeS



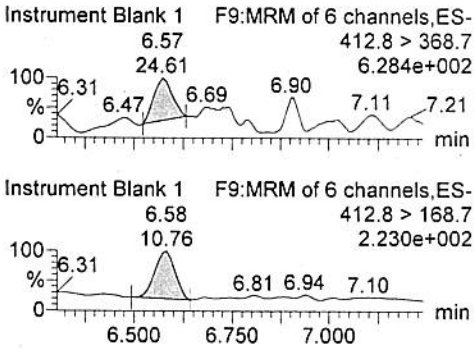
6:2 FTS



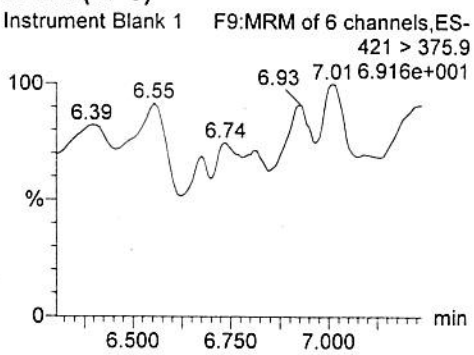
6:2 FTS (M+2)



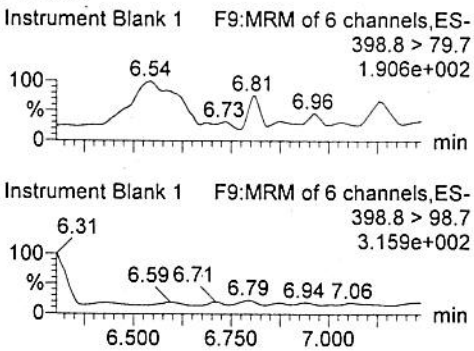
PFOA



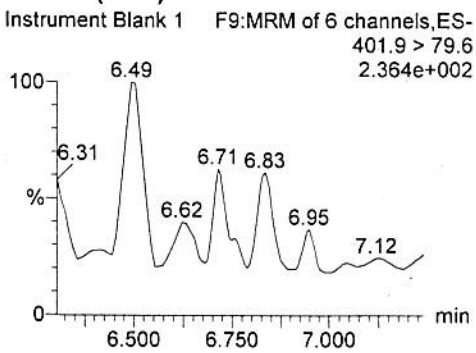
PFOA (M+8)



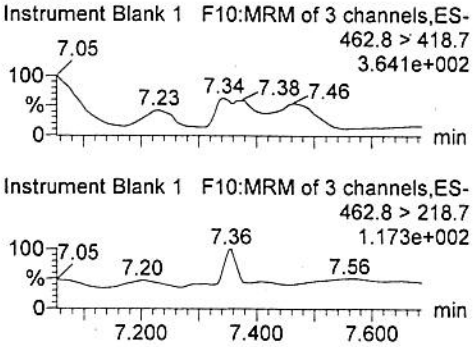
PFHxS



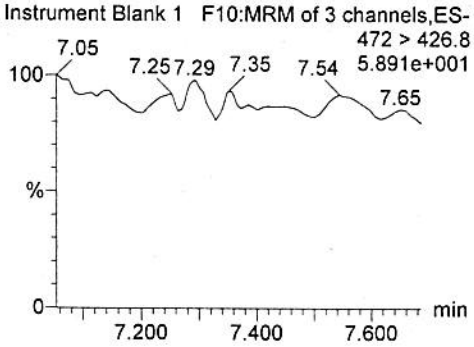
PFHxS (M+3)



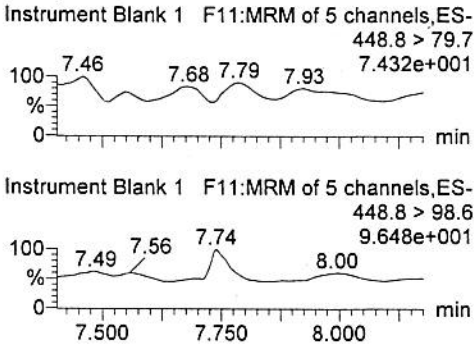
PFNA



PFNA (M+9)



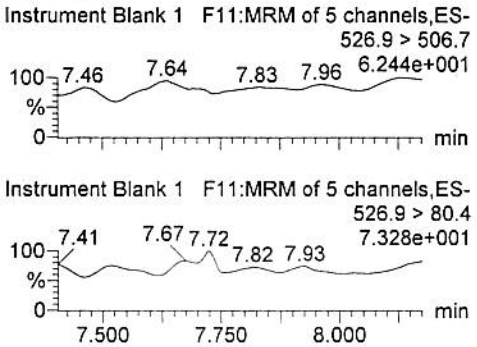
PFHpS



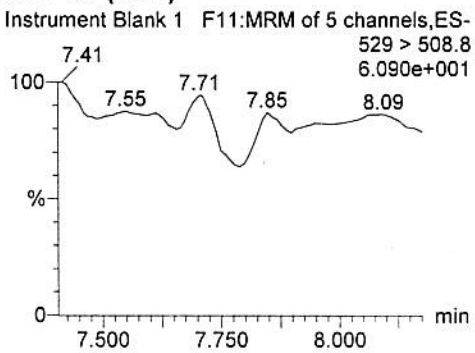
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:48 Eastern Daylight Time

Name: 20180411_Instrument Blank_1, Date: 11-Apr-2018, Time: 07:43:39, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

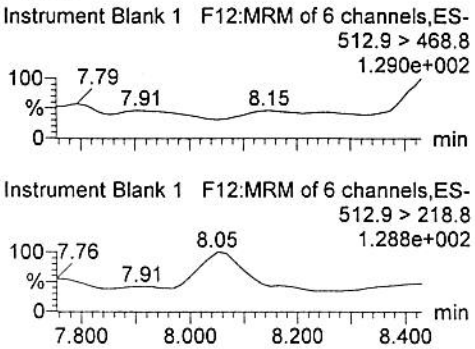
8:2 FTS



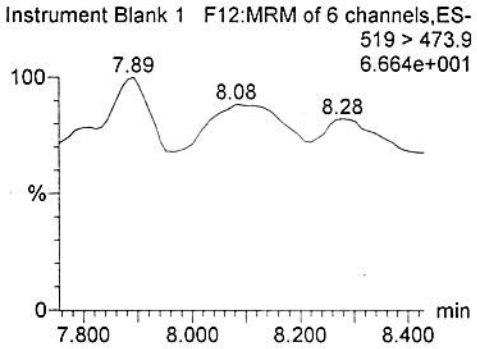
8:2 FTS (M+2)



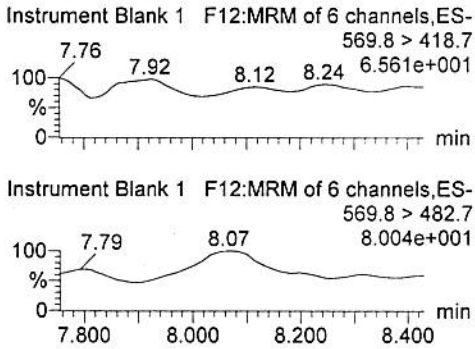
PFDA



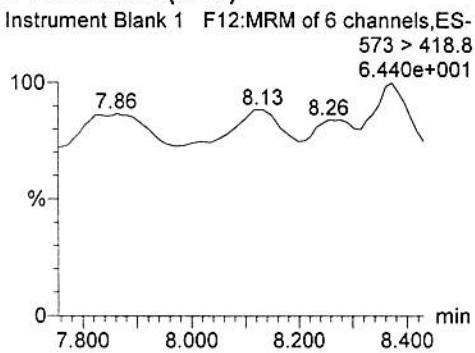
PFDA (M+6)



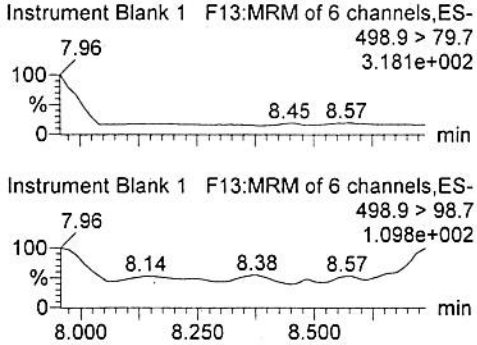
N-MeFOSAA



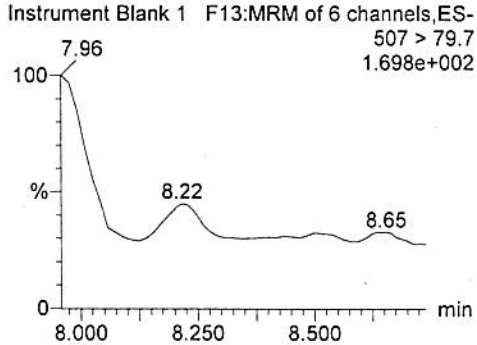
N-MeFOSAA (M+3)



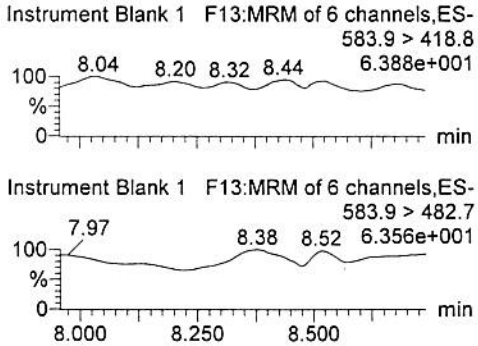
PFOS



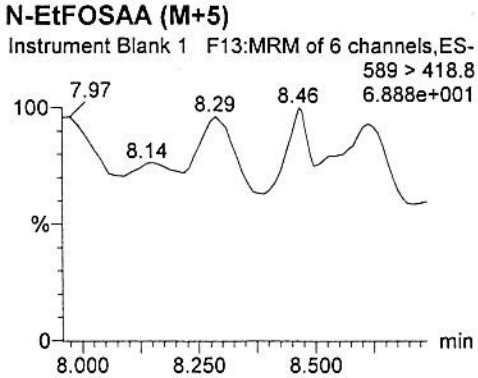
PFOS (M+8)



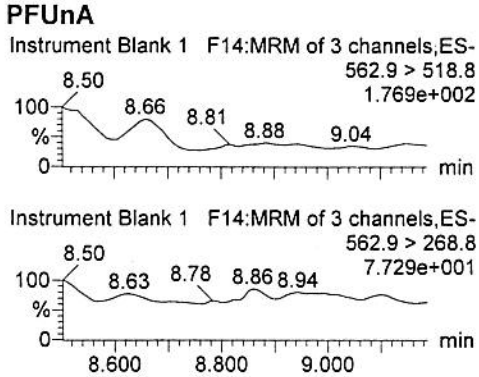
N-EtFOSAA



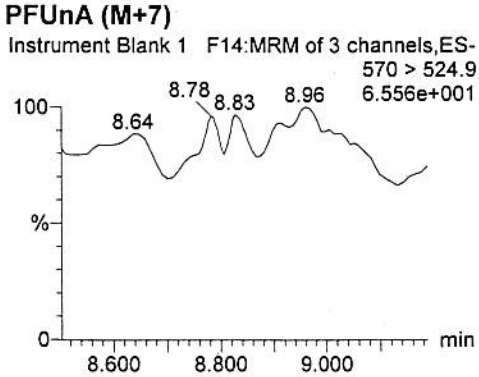
N-EtFOSAA (M+5)



PFUnA



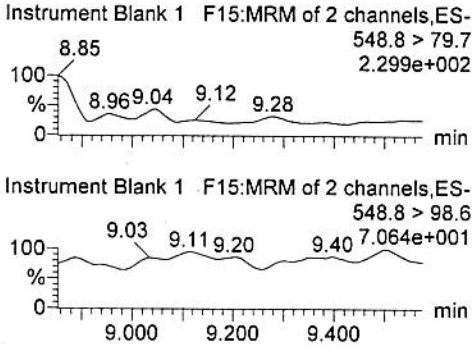
PFUnA (M+7)



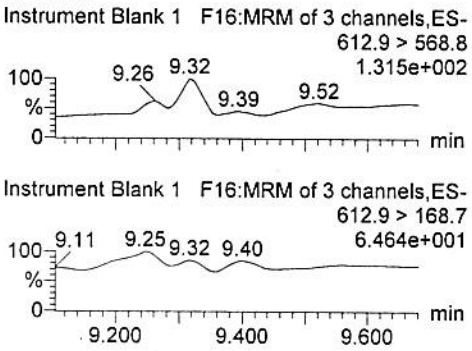
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:48 Eastern Daylight Time

Name: 20180411_Instrument Blank_1, Date: 11-Apr-2018, Time: 07:43:39, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

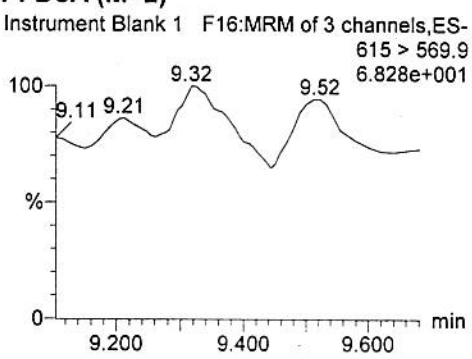
PFNS



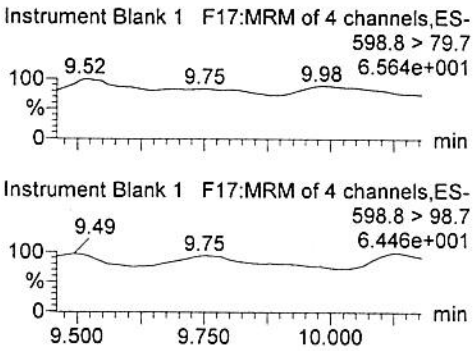
PFDoA



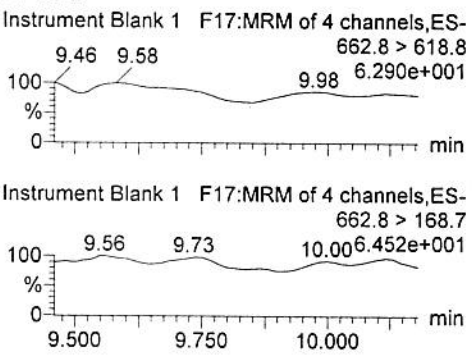
PFDoA (M+2)



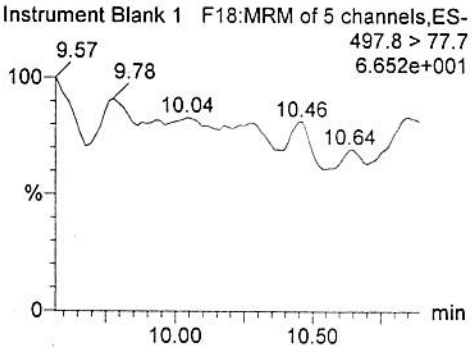
PFDS



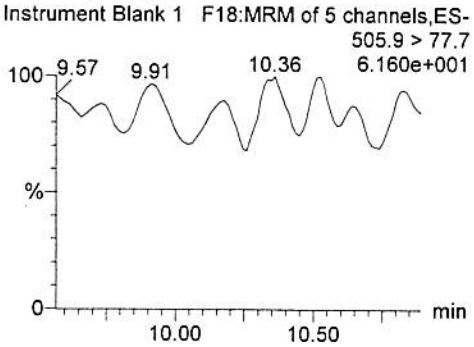
PFTrA



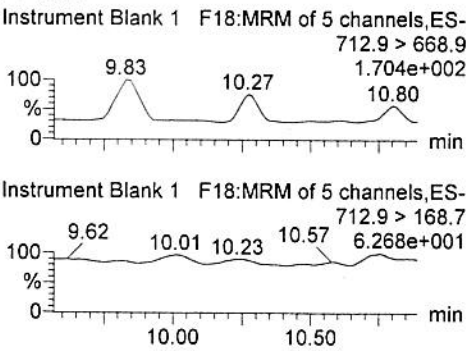
FOSA



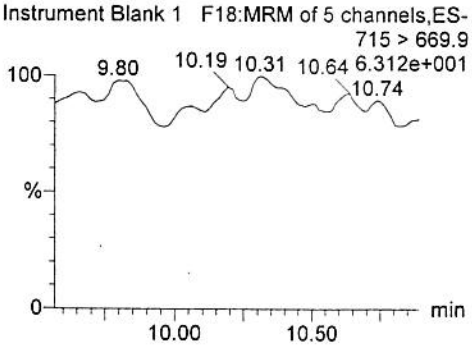
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:48 Eastern Daylight Time

Name: 20180411_Instrument Blank_1, Date: 11-Apr-2018, Time: 07:43:39, Description: Instrument Blank 1, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:1

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.89	0.998	25.8	0.6555	X FA	25.808	bb			
PFBA (M+4)	2.90		0.998								
PFPeA	3.73		0.999								
PFPeA (M+5)	3.73		0.998								
4:2 FTS	4.43		0.998						1.478		
4:2 FTS (M+2)	4.43		0.997								
PFHxA	4.73	4.77	0.997	82.0	11.95	X FA	82.015	bb	17.678		
PFHxA (M+5)	4.73		0.998								
PFBS	4.91		0.998						2.666		
PFBS (M+3)	4.91		0.998								
HFPO-DA	5.09	5.28	0.984	30.2	14.15	X FA	30.193	bb	1.664		
HFPO-DA (M+3)	5.09		0.993								
PFHpA	5.70	5.73	0.998	30.6	2.558	X FA	30.560	bb	3.777		
PFHpA (M+4)	5.69		0.999								
PFPeS	5.98	5.76	0.999	14.1	1.281	X FA	14.137	bb	2.394		
6:2 FTS	6.24		0.998						1.210		
6:2 FTS (M+2)	6.24		0.998								
PFOA	6.56	6.57	0.998	24.6			24.612	bbl	2.739	2.288	NO
PFOA (M+8)	6.56		0.996								
PFHxS	6.90		0.999						1.693		
PFHxS (M+3)	6.90		0.998								
PFNA	7.33		0.999						2.801		
PFNA (M+9)	7.33		0.999								
PFHpS	7.72		0.998						2.170		
8:2 FTS	7.71		0.997						1.149		
8:2 FTS (M+2)	7.71		0.997								
PFDA	8.03		0.997						3.228		
PFDA (M+6)	8.03		0.976								
N-MeFOSAA	8.15		0.994						1.574		
N-MeFOSAA (M+3)	8.15		0.990								
PFOS	8.44		0.997						2.320		
PFOS (M+8)	8.43		0.997								
N-EtFOSAA	8.44		0.994						1.366		
N-EtFOSAA (M+5)	8.43		0.994								
PFUnA	8.67		0.994						4.079		
PFUnA (M+7)	8.67		0.998								
PFNS	9.09		0.998						2.310		
PFDoA	9.27		0.996						5.713		
PFDoA (M+2)	9.27		0.996								
PFDS	9.68		0.999						2.154		
PFTrA	9.83		0.985						6.574		
FOSA	10.01		0.995								
FOSA (M+8)	10.01		0.996								
PFTeA	10.37		0.986						2.347		
PFTeA (M+2)	10.37		0.989								

FA=false positive
JG 4/24/18

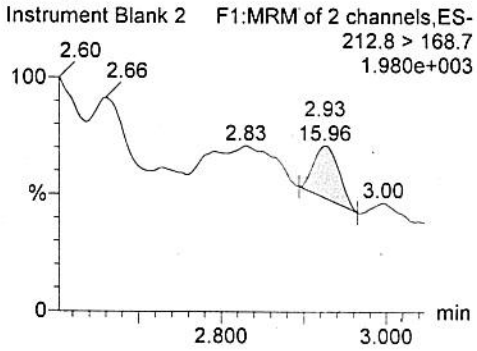
JV 4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:49 Eastern Daylight Time

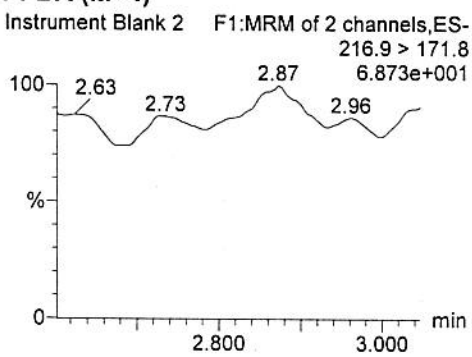
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_Instrument Blank_2, Date: 11-Apr-2018, Time: 08:06:05, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

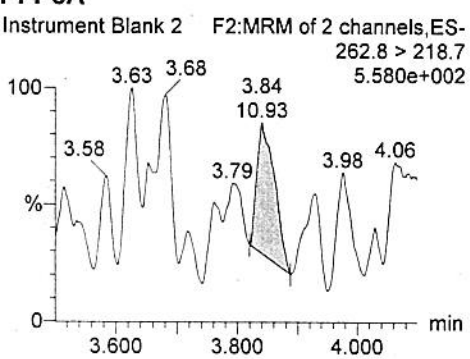
PFBA



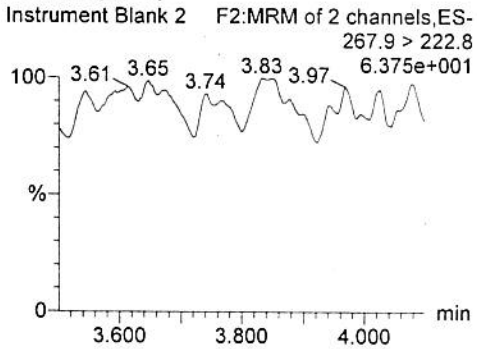
PFBA (M+4)



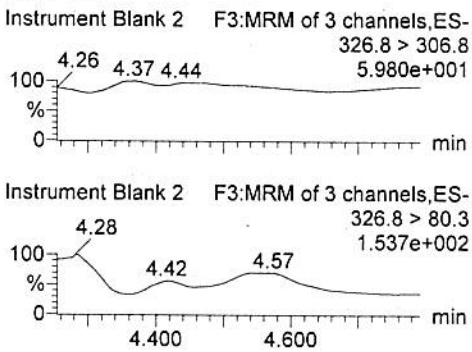
PFPeA



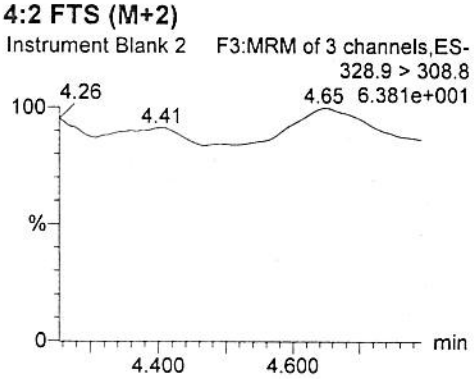
PFPeA (M+5)



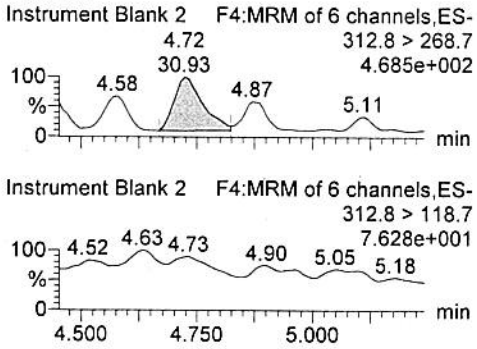
4:2 FTS



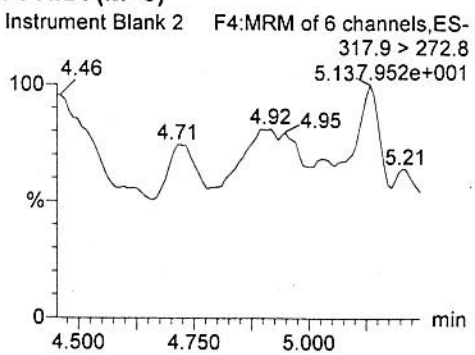
4:2 FTS (M+2)



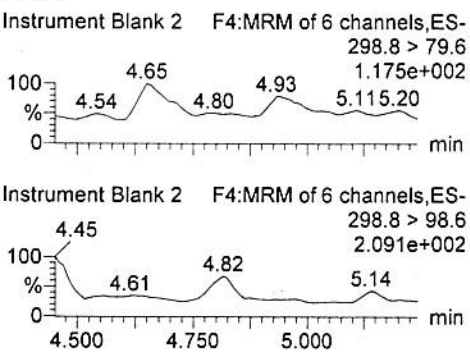
PFHxA



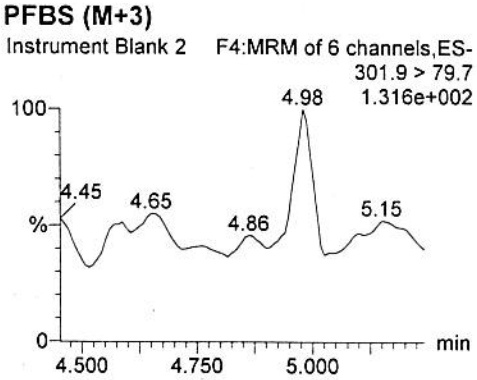
PFHxA (M+5)



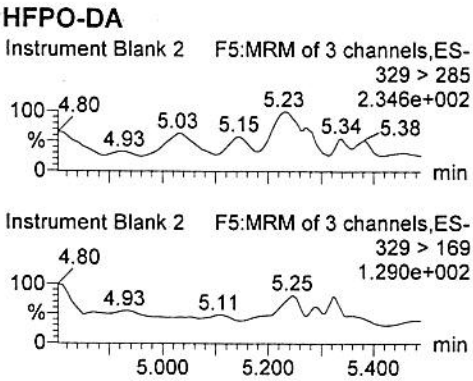
PFBS



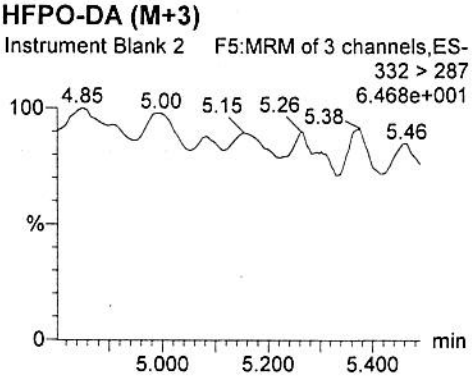
PFBS (M+3)



HFPO-DA



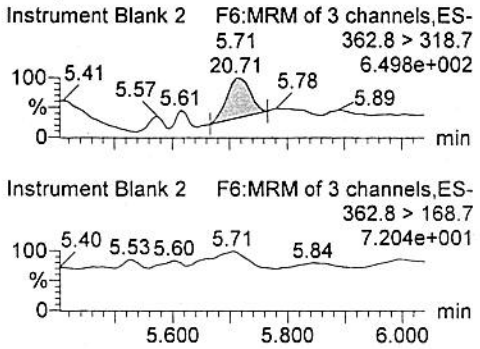
HFPO-DA (M+3)



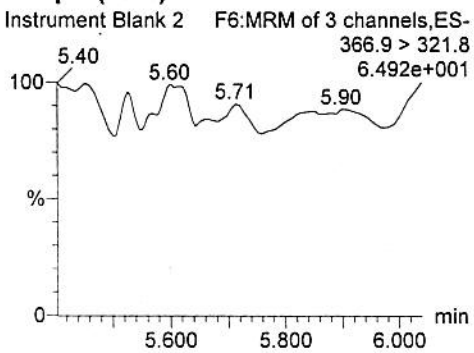
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:49 Eastern Daylight Time

Name: 20180411_Instrument Blank_2, Date: 11-Apr-2018, Time: 08:06:05, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

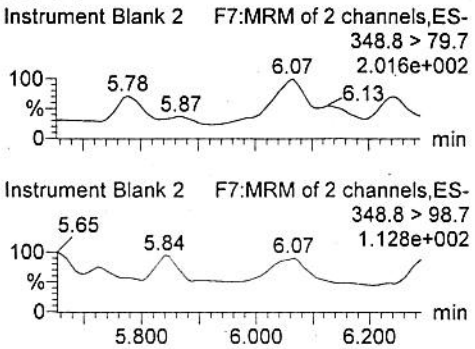
PFHpA



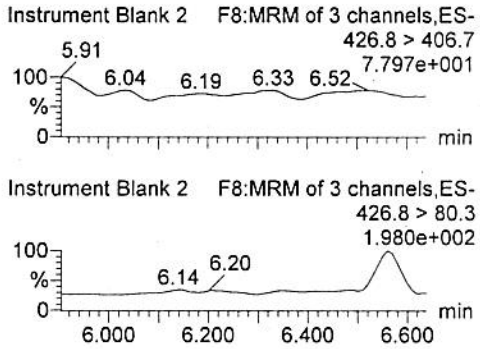
PFHpA (M+4)



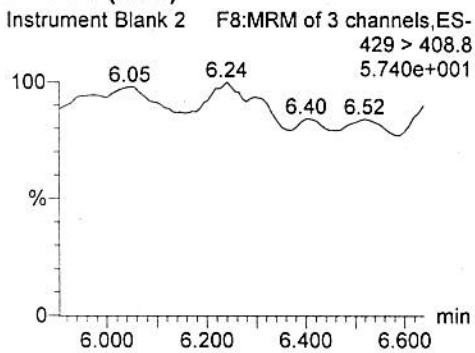
PFPeS



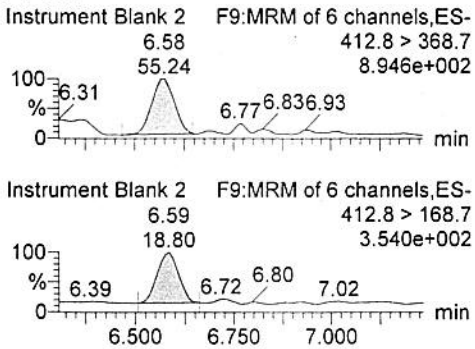
6:2 FTS



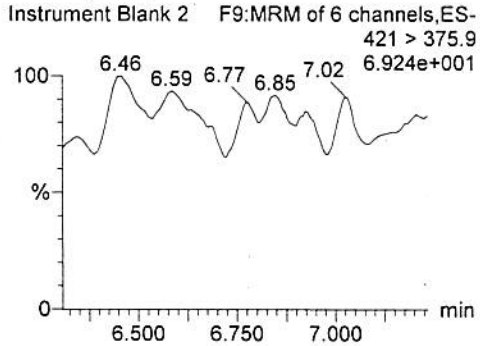
6:2 FTS (M+2)



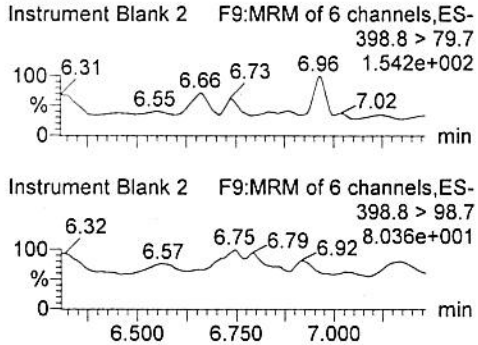
PFOA



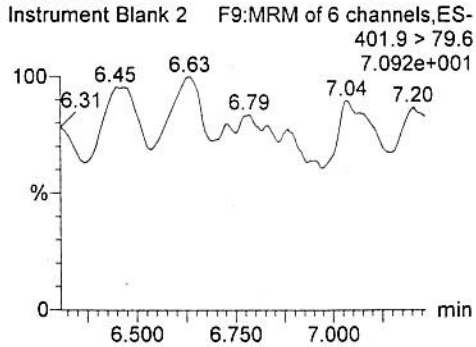
PFOA (M+8)



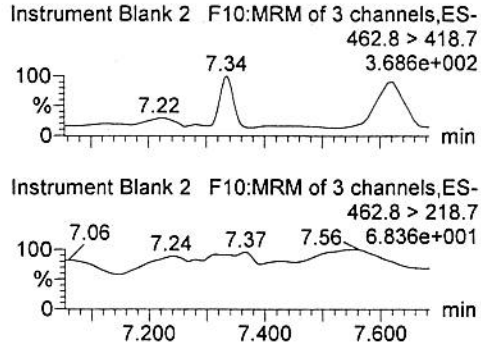
PFHxS



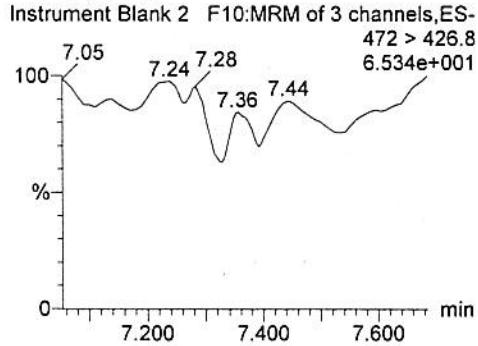
PFHxS (M+3)



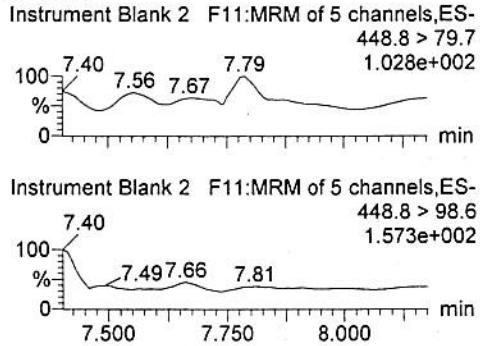
PFNA



PFNA (M+9)



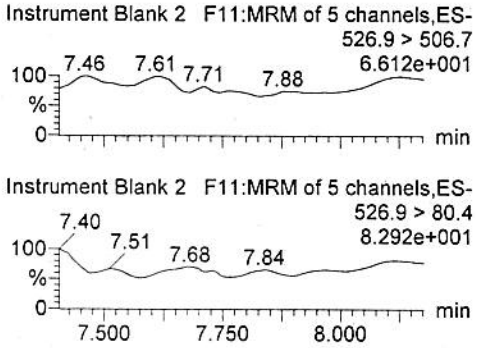
PFHpS



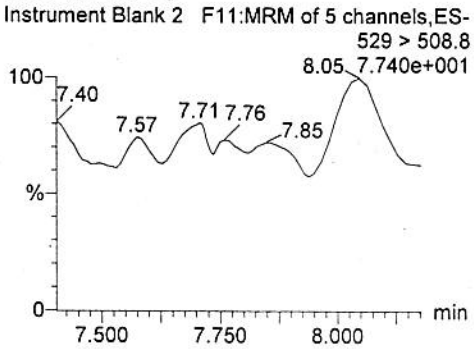
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:49 Eastern Daylight Time

Name: 20180411_Instrument Blank_2, Date: 11-Apr-2018, Time: 08:06:05, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

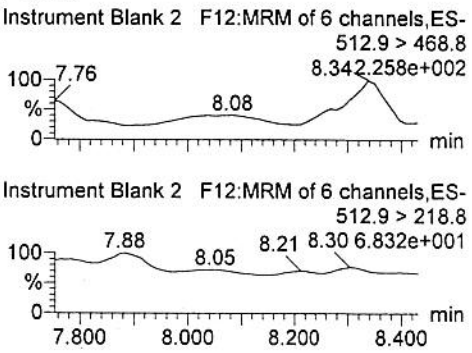
8:2 FTS



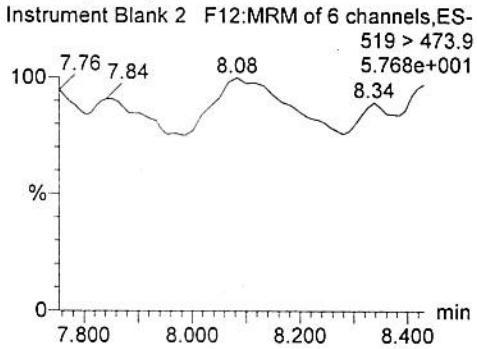
8:2 FTS (M+2)



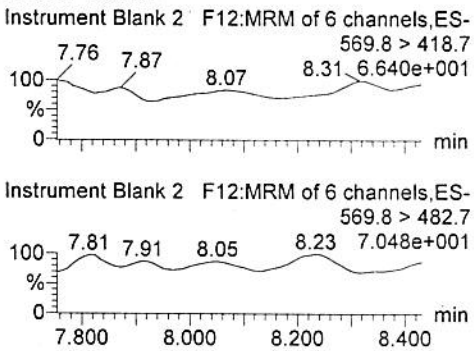
PFDA



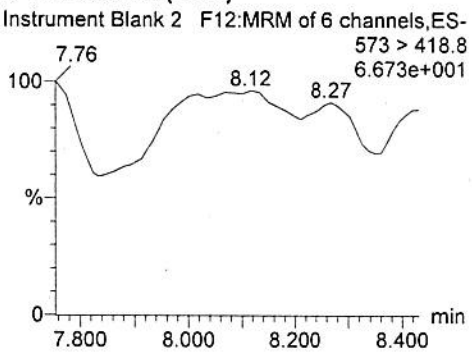
PFDA (M+6)



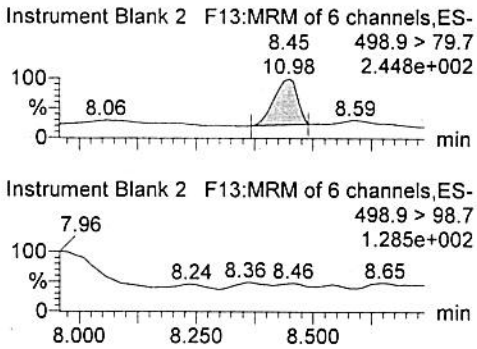
N-MeFOSAA



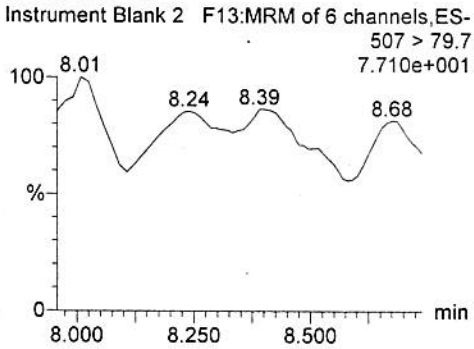
N-MeFOSAA (M+3)



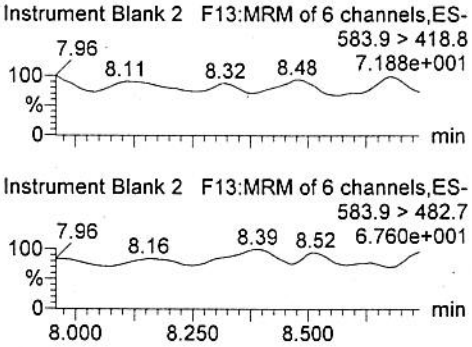
PFOS



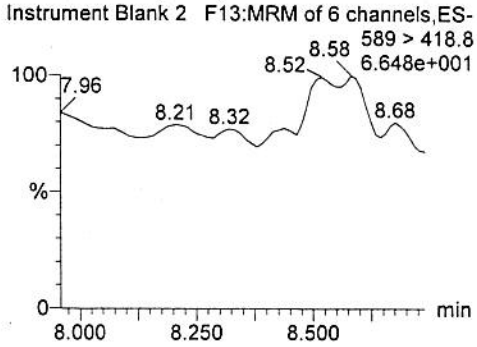
PFOS (M+8)



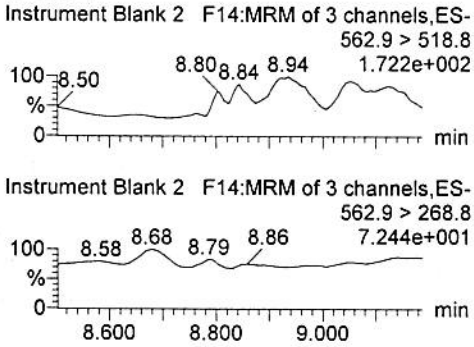
N-EtFOSAA



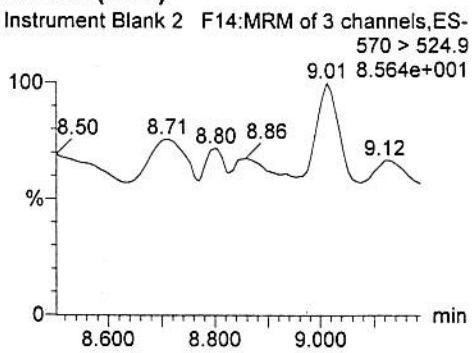
N-EtFOSAA (M+5)



PFUnA



PFUnA (M+7)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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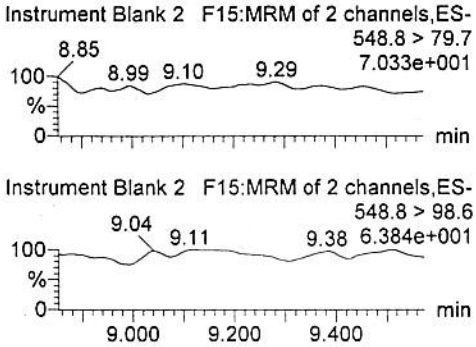
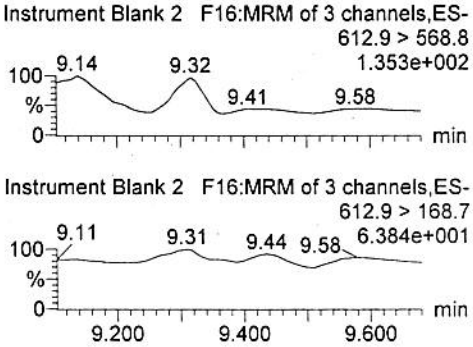
Name: 20180411_Instrument Blank_2, Date: 11-Apr-2018, Time: 08:06:05, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

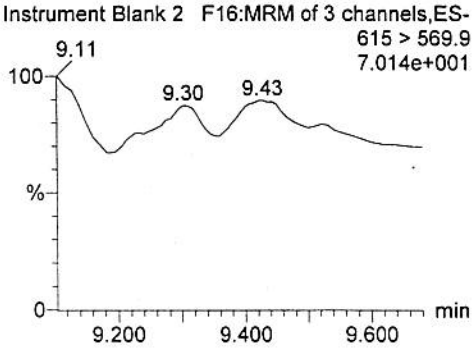
PFNS



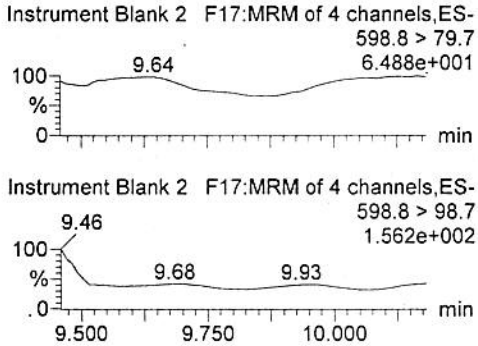
PFDoA



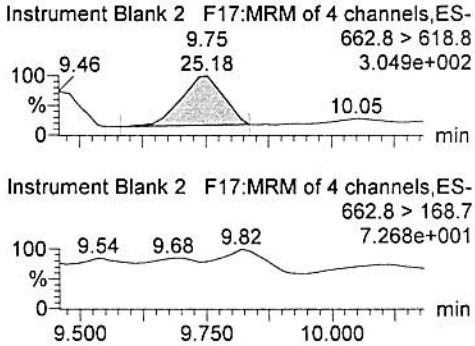
PFDoA (M+2)



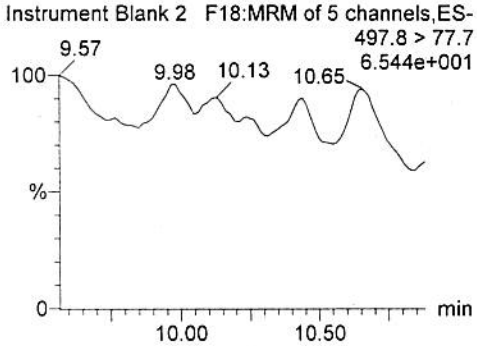
PFDS



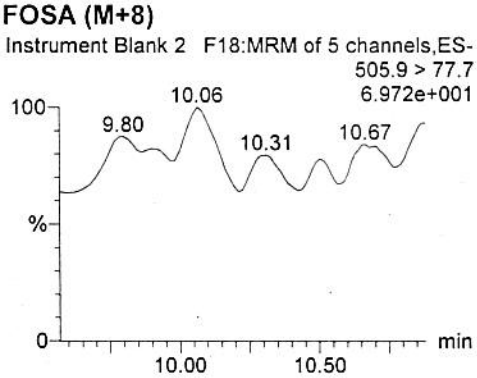
PFTrA



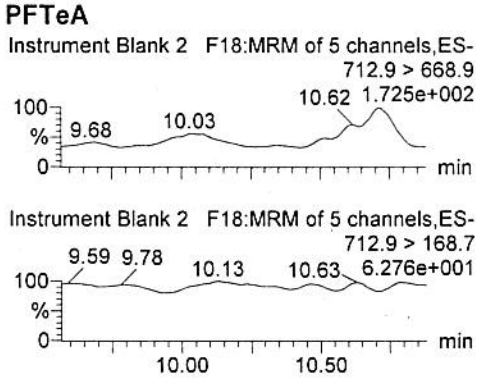
FOSA



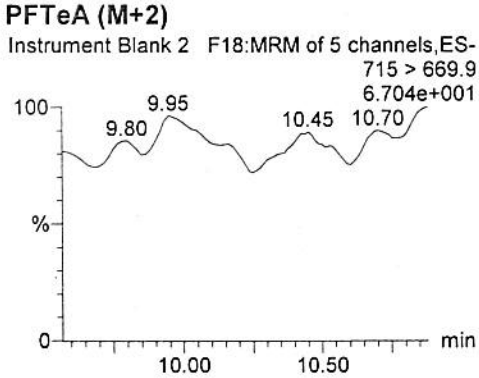
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:49 Eastern Daylight Time

Name: 20180411_Instrument Blank_2, Date: 11-Apr-2018, Time: 08:06:05, Description: Instrument Blank 2, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:2

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.93	0.998	16.0	0.1463 X	Ft	15.960	bb			
PFBA (M+4)	2.90		0.998								
PFPeA	3.73	3.84	0.999	10.9	0.9914 X	Ft	10.932	bb			
PFPeA (M+5)	3.73		0.998								
4:2 FTS	4.43		0.998						1.478		
4:2 FTS (M+2)	4.43		0.997								
PFHxA	4.73	4.72	0.997	30.9	8.667 X	Ft	30.928	bd	17.678		
PFHxA (M+5)	4.73		0.998								
PFBS	4.91		0.998						2.666		
PFBS (M+3)	4.91		0.998								
HFPO-DA	5.09		0.984						1.664		
HFPO-DA (M+3)	5.09		0.993								
PFHpA	5.70	5.71	0.998	20.7	2.102 X	Ft	20.711	bb	3.777		
PFHpA (M+4)	5.69		0.999								
PFPeS	5.98		0.999						2.394		
6:2 FTS	6.24		0.998						1.210		
6:2 FTS (M+2)	6.24		0.998								
PFOA	6.56	6.58	0.998	55.2	0.06037	<MDL	55.245	bb	2.739	2.939	NO
PFOA (M+8)	6.56		0.996								
PFHxS	6.90		0.999						1.693		
PFHxS (M+3)	6.90		0.998								
PFNA	7.33		0.999						2.801		
PFNA (M+9)	7.33		0.999								
PFHpS	7.72		0.998						2.170		
8:2 FTS	7.71		0.997						1.149		
8:2 FTS (M+2)	7.71		0.997								
PFDA	8.03		0.997						3.228		
PFDA (M+6)	8.03		0.976								
N-MeFOSAA	8.15		0.994						1.574		
N-MeFOSAA (M+3)	8.15		0.990								
PFOS	8.44	8.45	0.997	11.0	4.287 X	Ft	10.976	bb	2.320		
PFOS (M+8)	8.43		0.997								
N-EtFOSAA	8.44		0.994						1.366		
N-EtFOSAA (M+5)	8.43		0.994								
PFUnA	8.67		0.994						4.079		
PFUnA (M+7)	8.67		0.998								
PFNS	9.09		0.998						2.310		
PFDoA	9.27		0.996						5.713		
PFDoA (M+2)	9.27		0.996								
PFDS	9.68		0.999						2.154		
PFTrA	9.83	9.75	0.985	25.2	28.85 X	Ft	25.179	bb	6.574		
FOSA	10.01		0.995								
FOSA (M+8)	10.01		0.996								
PFTeA	10.37		0.986						2.347		
PFTeA (M+2)	10.37		0.989								

Ft = false positive
JG 4/24/18

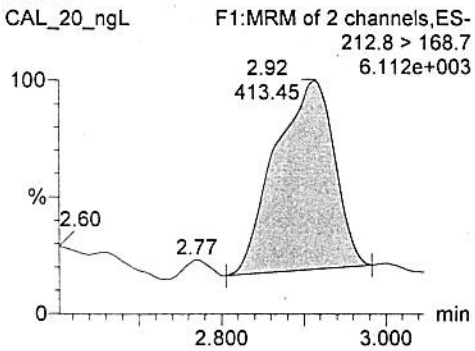
JN 4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

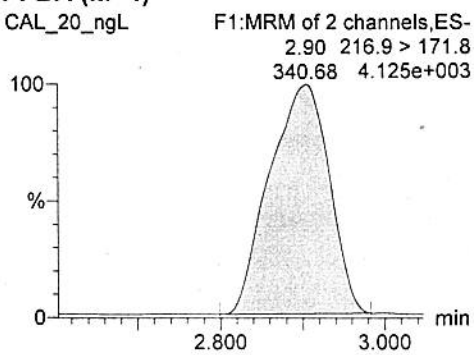
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

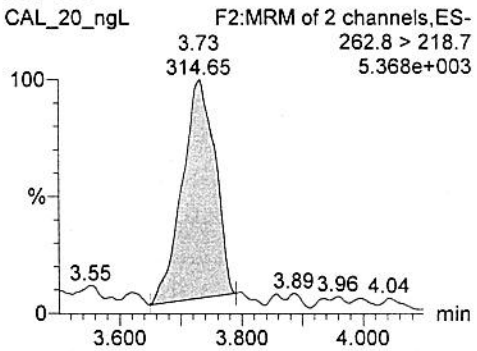
PFBA



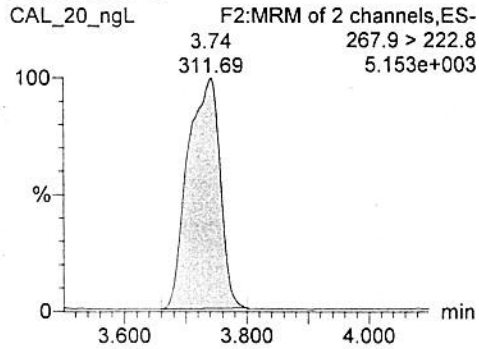
PFBA (M+4)



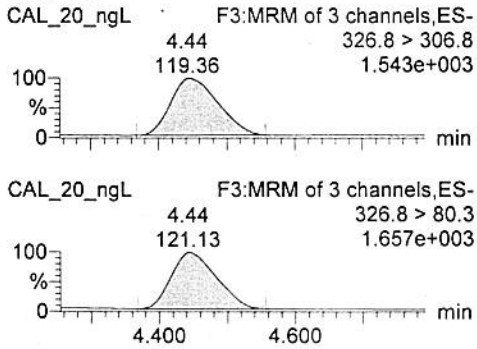
PFPeA



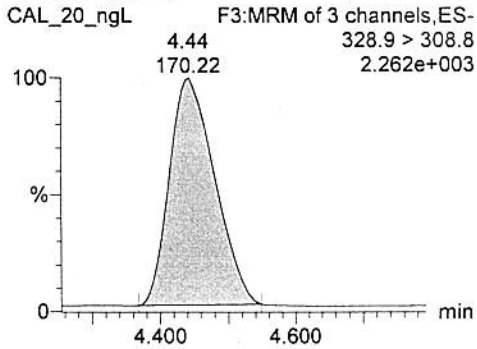
PFPeA (M+5)



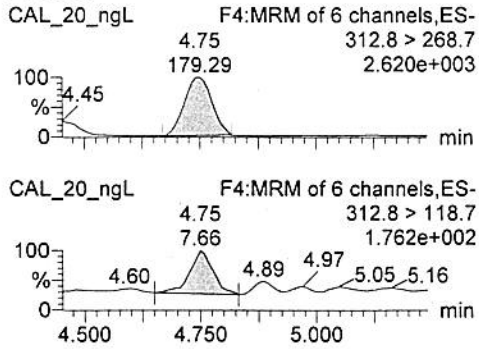
4:2 FTS



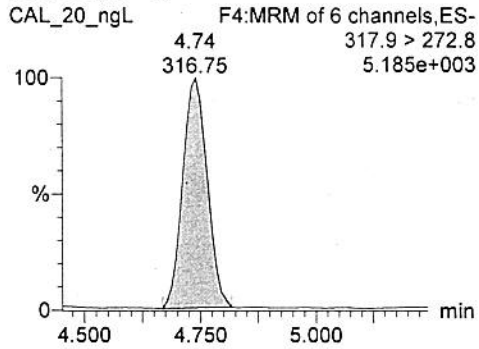
4:2 FTS (M+2)



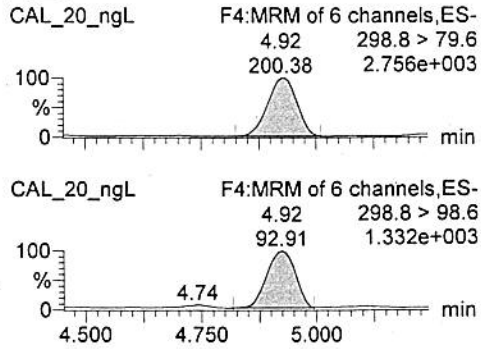
PFHxA



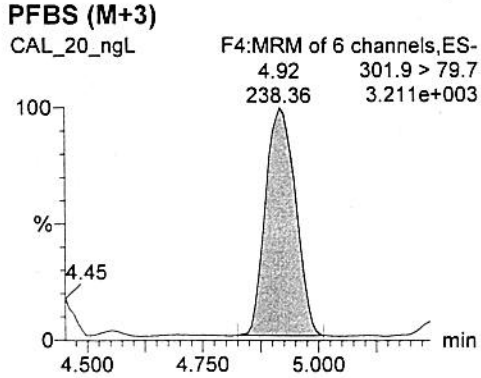
PFHxA (M+5)



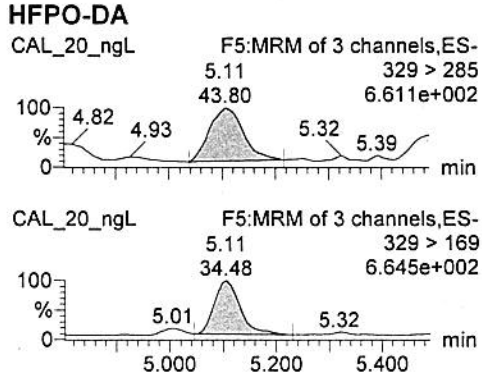
PFBS



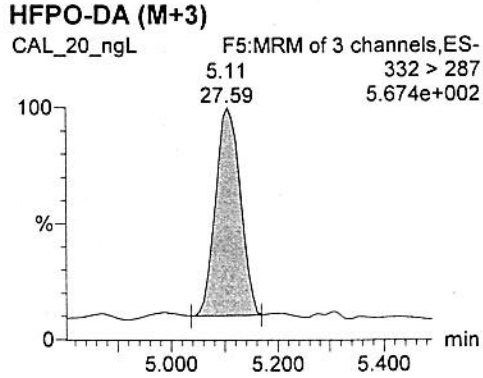
PFBS (M+3)



HFPO-DA



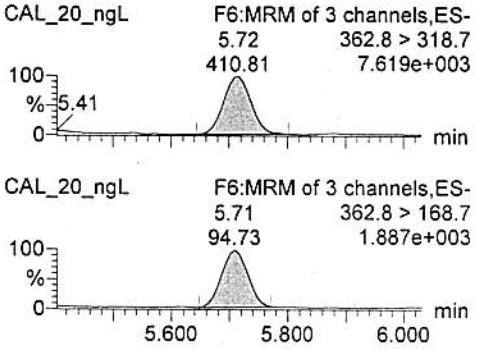
HFPO-DA (M+3)



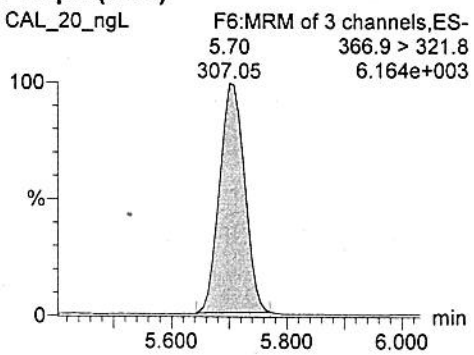
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

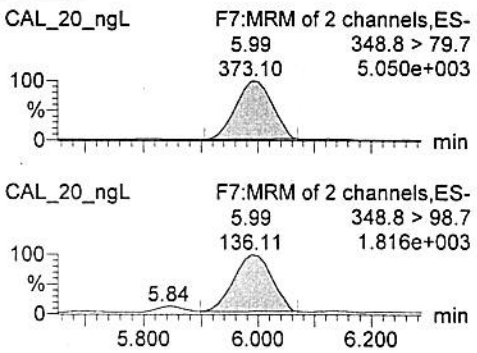
PFHpA



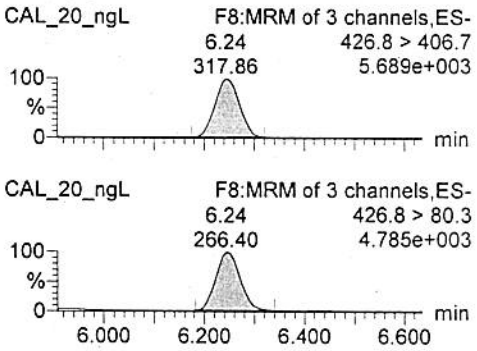
PFHpA (M+4)



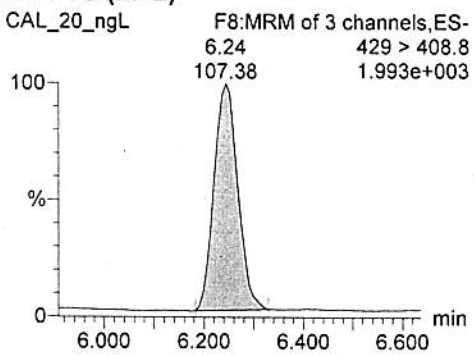
PFPeS



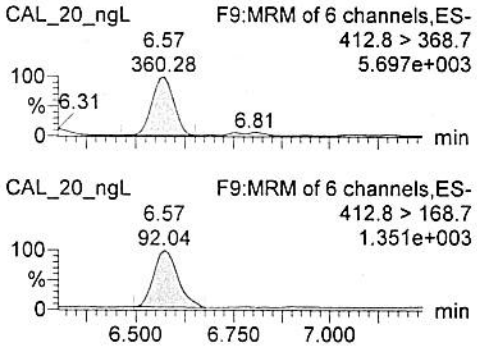
6:2 FTS



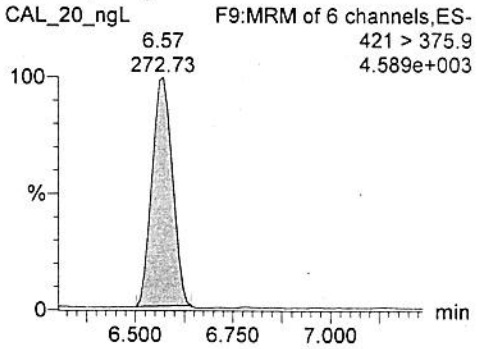
6:2 FTS (M+2)



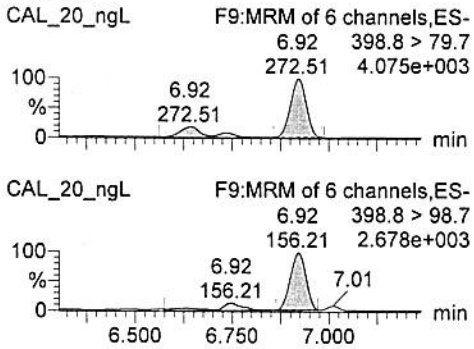
PFOA



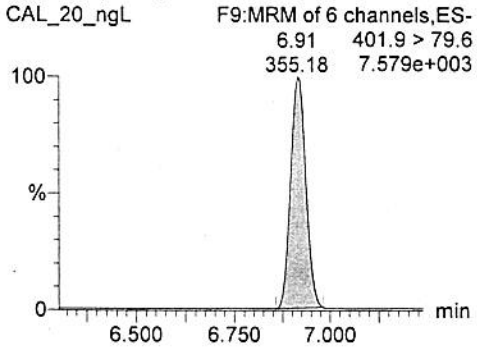
PFOA (M+8)



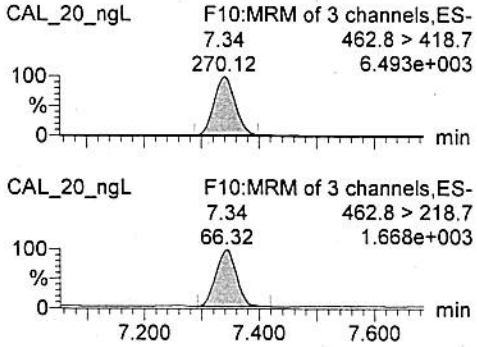
PFHxS



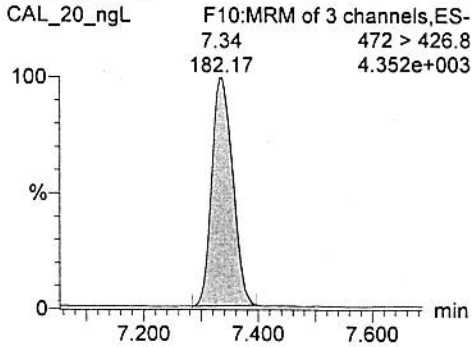
PFHxS (M+3)



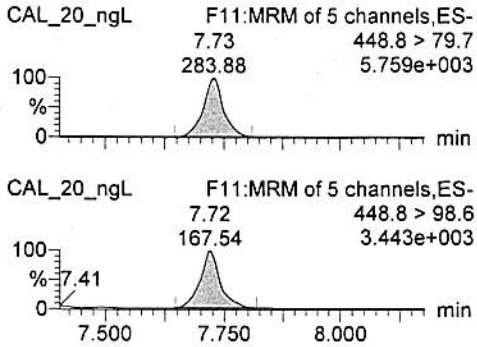
PFNA



PFNA (M+9)



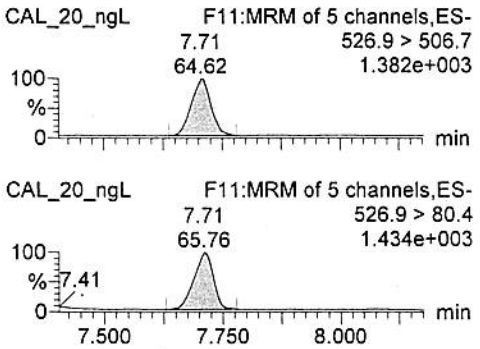
PFHpS



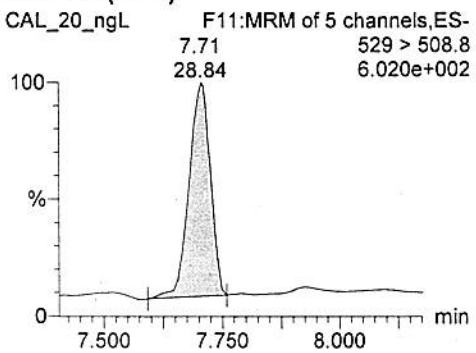
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

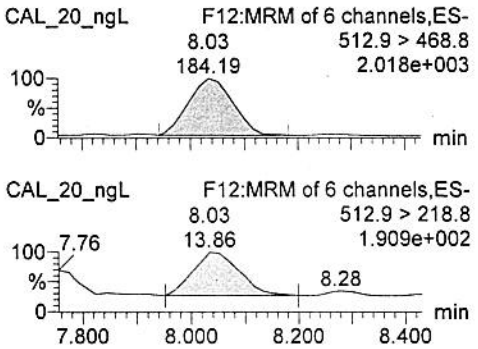
8:2 FTS



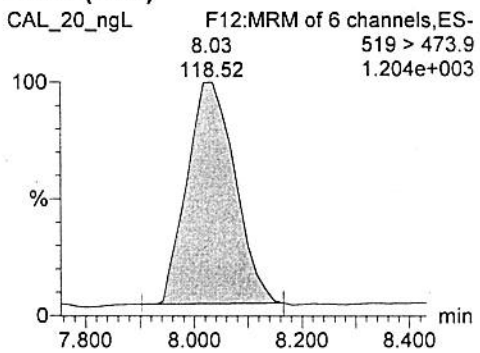
8:2 FTS (M+2)



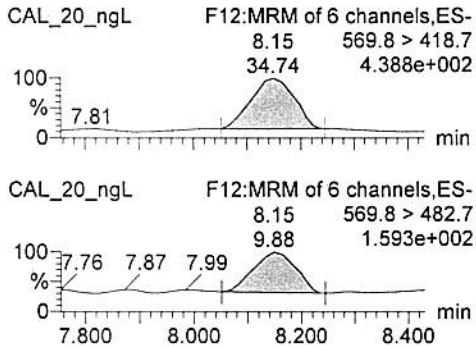
PFDA



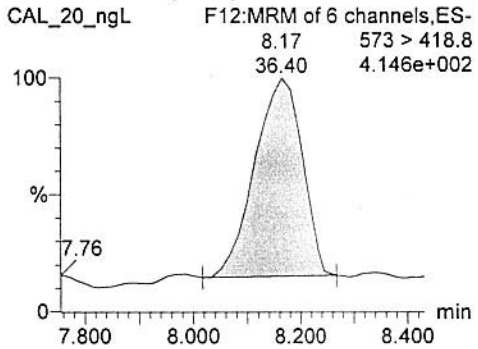
PFDA (M+6)



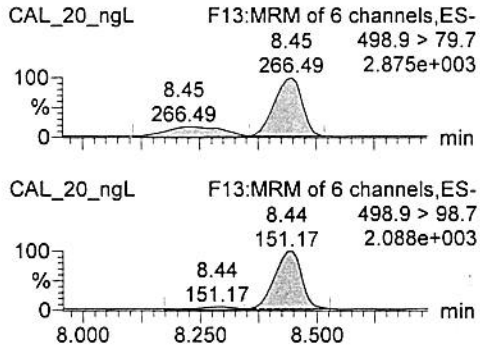
N-MeFOSAA



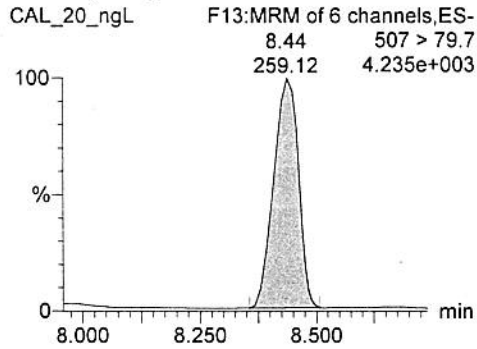
N-MeFOSAA (M+3)



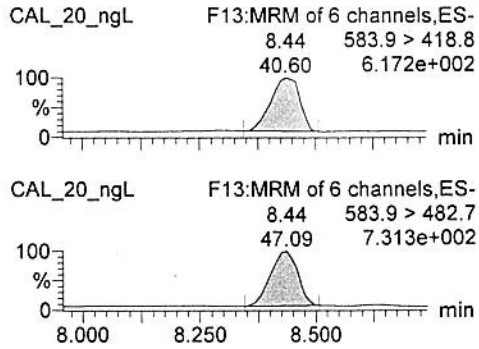
PFOS



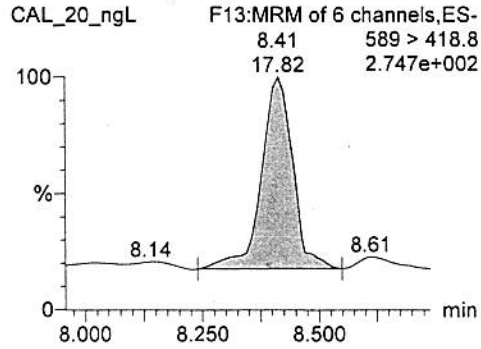
PFOS (M+8)



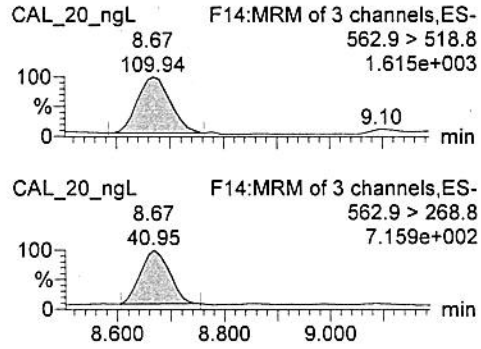
N-EtFOSAA



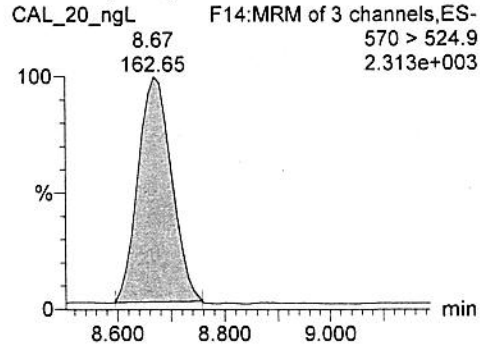
N-EtFOSAA (M+5)



PFUnA



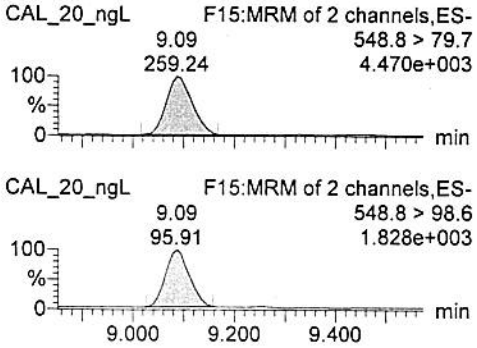
PFUnA (M+7)



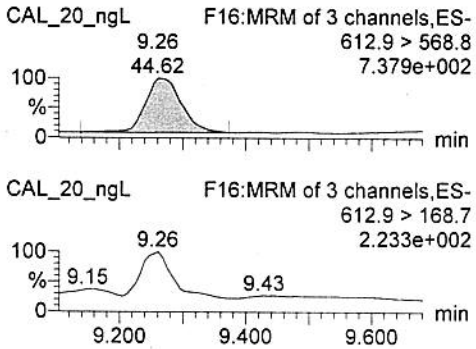
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

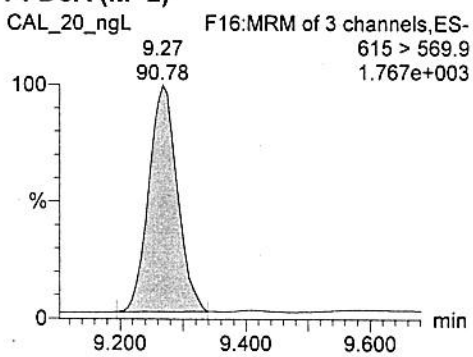
PFNS



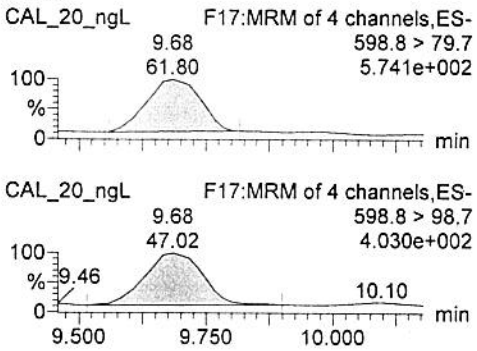
PFDoA



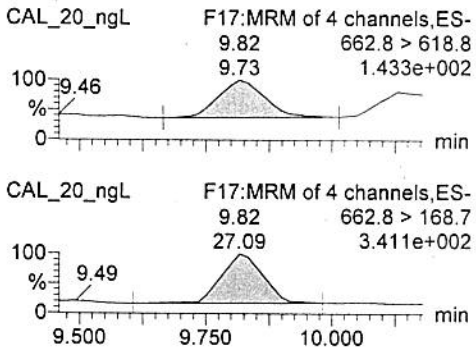
PFDoA (M+2)



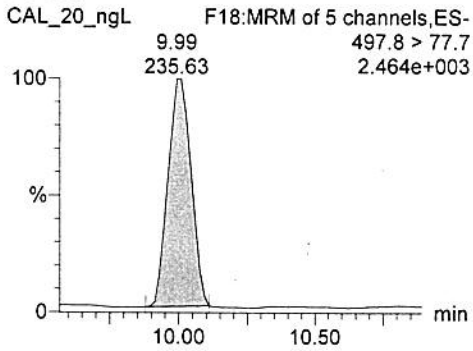
PFDS



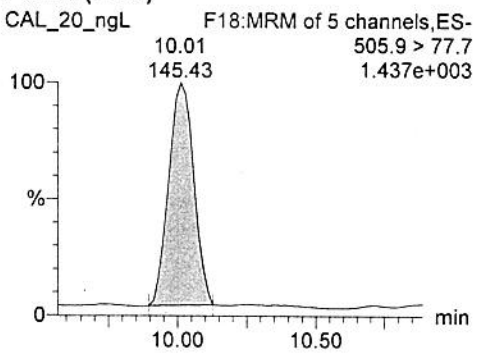
PFTrA



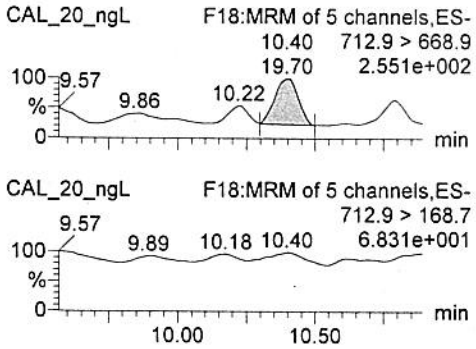
FOSA



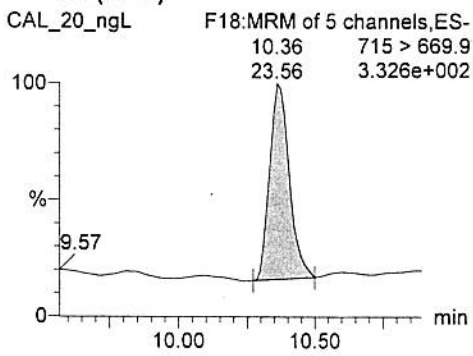
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.92	0.998	413.5	20.70	3.5	413.452	bb			
PFBA (M+4)	2.90	2.90	0.998	340.7	19.76	-1.2	340.682	bb			
PFPeA	3.73	3.73	0.999	314.6	19.75	-1.3	314.648	bb			
PFPeA (M+5)	3.73	3.74	0.998	311.7	21.78	8.9	311.689	bb			
4:2 FTS	4.43	4.44	0.998	119.4	15.78	-15.6	119.363	bb	1.478	0.985	NO
4:2 FTS (M+2)	4.43	4.44	0.997	170.2	16.03	-14.3	170.219	bb			
PFHxA	4.73	4.75	0.997	179.3	18.21	-8.9	179.291	bb	17.678	23.400	NO
PFHxA (M+5)	4.73	4.74	0.998	316.7	21.27	6.3	316.745	bb			
PFBS	4.91	4.92	0.998	200.4	17.95	1.4	200.383	bb	2.666	2.157	NO
PFBS (M+3)	4.91	4.92	0.998	238.4	16.37	-12.0	238.356	bb			
HFPO-DA	5.09	5.11	0.984	43.8	19.11	-4.4	43.799	bb	1.664	1.270	NO
HFPO-DA (M+3)	5.09	5.11	0.993	27.6	3.242	-83.8	27.593	bbX			
PFHpA	5.70	5.72	0.998	410.8	20.15	0.7	410.807	bb	3.777	4.336	NO
PFHpA (M+4)	5.69	5.70	0.999	307.1	18.56	-7.2	307.053	bb			
PFPeS	5.98	5.99	0.999	373.1	18.85	0.2	373.095	bb	2.394	2.741	NO
6:2 FTS	6.24	6.24	0.998	317.9	17.57	-7.5	317.856	bb	1.210	1.193	NO
6:2 FTS (M+2)	6.24	6.24	0.998	107.4	17.97	-5.4	107.381	bb			
PFOA	6.56	6.57	0.998	360.3	16.68	-16.6	360.276	bb	2.739	3.914	YES
PFOA (M+8)	6.56	6.57	0.996	272.7	19.87	-0.6	272.734	bb			
PFHxS	6.90	6.92	0.999	272.5	19.28	5.7	272.505	MM JG	1.693	1.744	NO
PFHxS (M+3)	6.90	6.91	0.998	355.2	18.31	-3.1	355.182	bb 4/24/18			
PFNA	7.33	7.34	0.999	270.1	20.64	3.2	270.118	bb	2.801	4.073	YES
PFNA (M+9)	7.33	7.34	0.999	182.2	19.82	-0.9	182.173	bb			
PFHpS	7.72	7.73	0.998	283.9	17.53	-7.8	283.879	bb	2.170	1.694	NO
8:2 FTS	7.71	7.71	0.997	64.6	16.07	-9.2	64.623	bb	1.149	0.983	NO
8:2 FTS (M+2)	7.71	7.71	0.997	28.8	17.40	-1.7	28.837	bb			
PFDA	8.03	8.03	0.997	184.2	18.83	-5.8	184.194	bb	3.228	13.286	YES
PFDA (M+6)	8.03	8.03	0.976	118.5	10.89	-45.6	118.521	bb			
N-MeFOSAA	8.15	8.15	0.994	34.7	19.35	-3.3	34.736	bb	1.574	3.514	YES
N-MeFOSAA (M+3)	8.15	8.17	0.990	36.4	43.25	116.2	36.403	bbX			
PFOS	8.44	8.45	0.997	266.5	18.79	1.6	266.490	MM JG	2.320	1.763	NO
PFOS (M+8)	8.43	8.44	0.997	259.1	17.49	-8.6	259.124	bb 4/24/18			
N-EtFOSAA	8.44	8.44	0.994	40.6	26.81	34.1	40.599	bb	1.366	0.862	YES
N-EtFOSAA (M+5)	8.43	8.41	0.994	17.8	20.84	4.2	17.822	bb			
PFUnA	8.67	8.67	0.994	109.9	19.61	-1.9	109.939	bb	4.079	2.684	NO
PFUnA (M+7)	8.67	8.67	0.998	162.6	22.28	11.4	162.646	bb			
PFNS	9.09	9.09	0.998	259.2	19.66	11.1	259.243	bb	2.310	2.703	NO
PFDoA	9.27	9.26	0.996	44.6	17.51	-12.4	44.624	bb	5.713		
PFDoA (M+2)	9.27	9.27	0.996	90.8	19.15	-4.3	90.780	bb			
PFDS	9.68	9.68	0.999	61.8	22.77	18.0	61.804	bbX	2.154	1.314	YES
PFTrA	9.83	9.82	0.985	9.7	23.64	18.2	9.734	MM JG	6.574	0.359	YES
FOSA	10.01	9.99	0.995	235.6	26.03	30.1	235.628	bb 4/24/18			
FOSA (M+8)	10.01	10.01	0.996	145.4	25.55	27.7	145.425	bb			
PFTeA	10.37	10.40	0.986	19.7	20.89	4.5	19.700	bb	2.347		
PFTeA (M+2)	10.37	10.36	0.989	23.6	32.03	60.2	23.561	bbX			

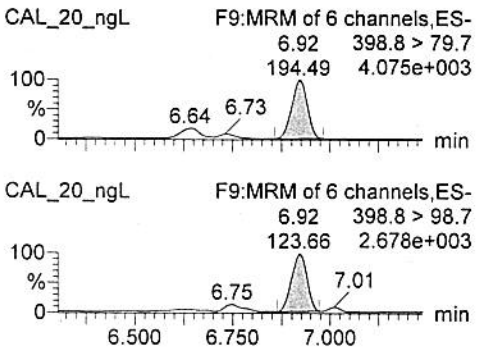
JG 4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:41:55 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

PFHxS



original
JG 4/24/18
4/25/18

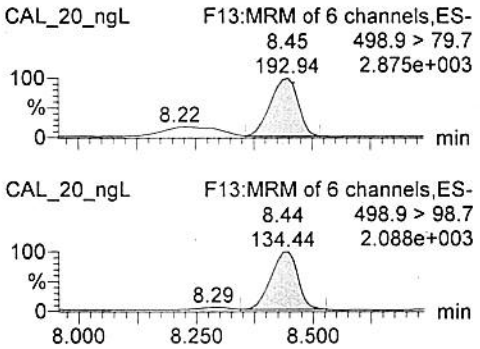
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.92	0.999	194.5	18.11	-0.7	194.489	bb	1.693	1.573	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:27 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

PFOS



original
JG 4/24/18
JV 4/25/18

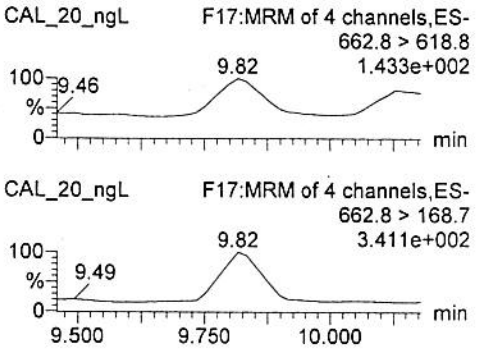
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.45	0.997	192.9	19.13	3.4	192.940	db	2.320	1.435	YES

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:43:29 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040306_20ngL, Date: 11-Apr-2018, Time: 08:28:32, Description: CAL_20_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:3

PFTrA



original integrated missing peak
JG 4/24/18
JV 4/25/18

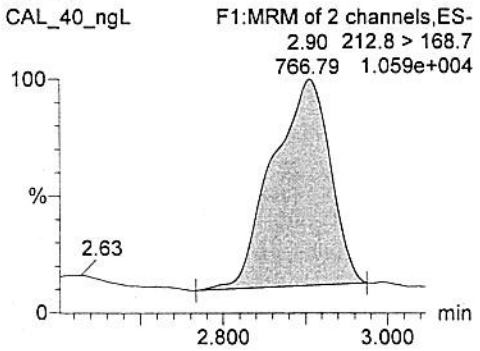
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFTrA	9.83		0.979						6.574		

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

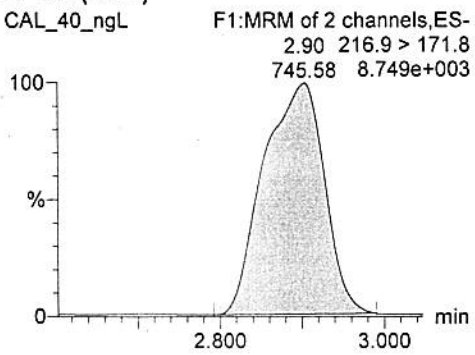
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

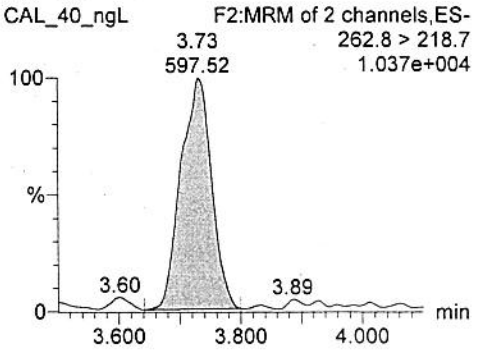
PFBA



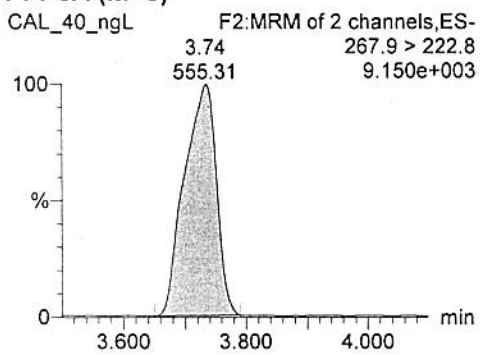
PFBA (M+4)



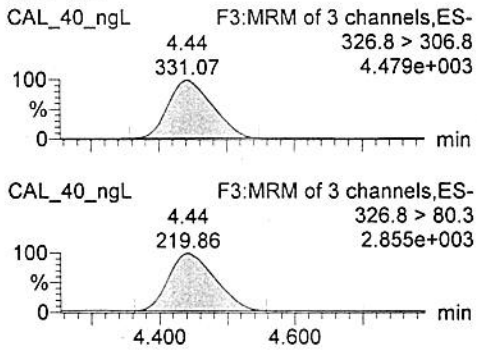
PFPeA



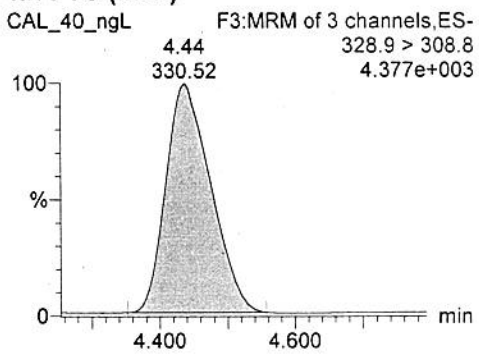
PFPeA (M+5)



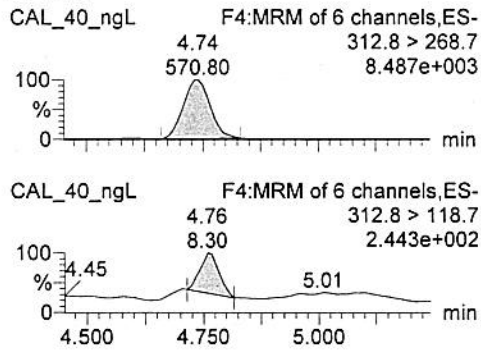
4:2 FTS



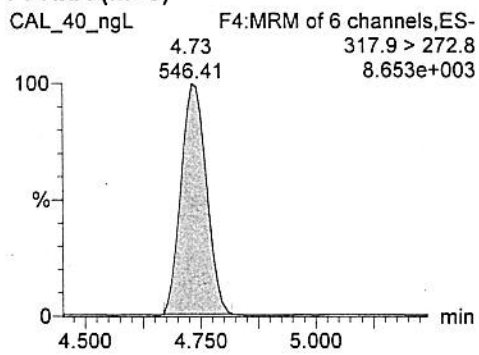
4:2 FTS (M+2)



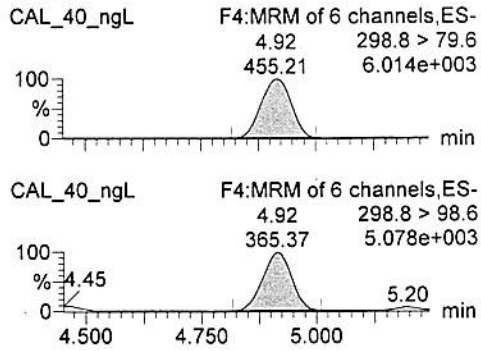
PFHxA



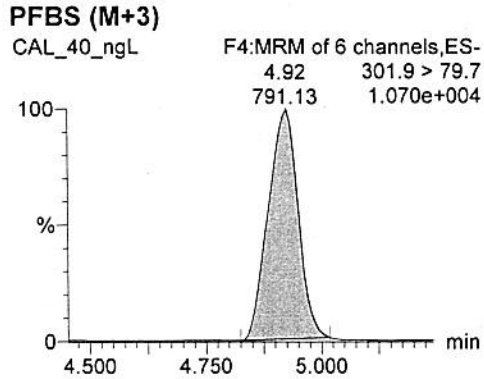
PFHxA (M+5)



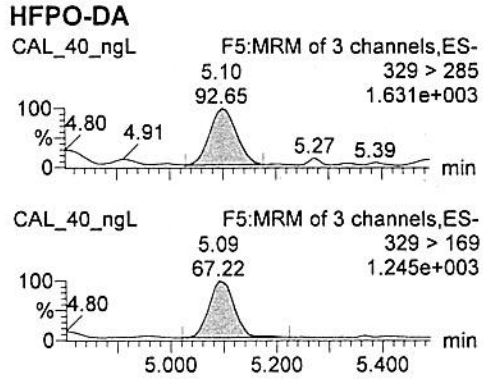
PFBS



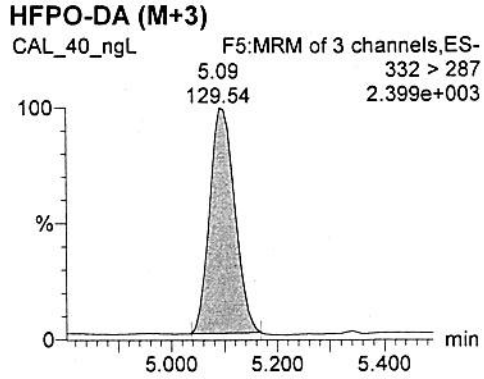
PFBS (M+3)



HFPO-DA



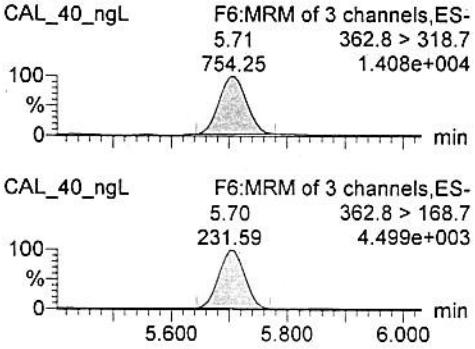
HFPO-DA (M+3)



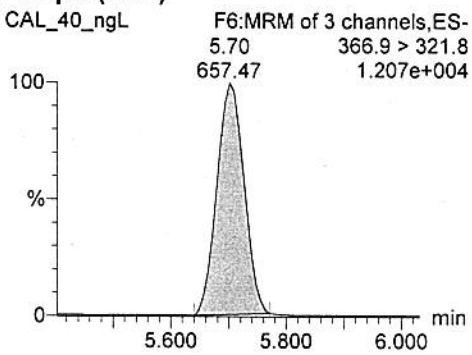
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

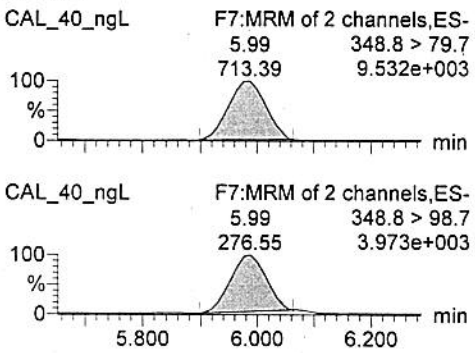
PFHpA



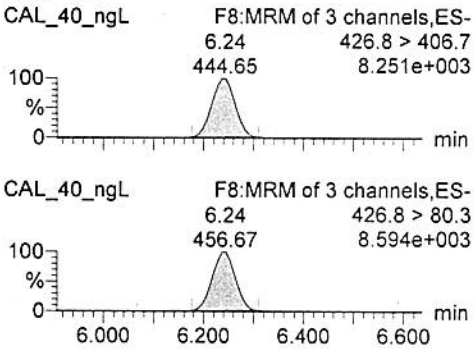
PFHpA (M+4)



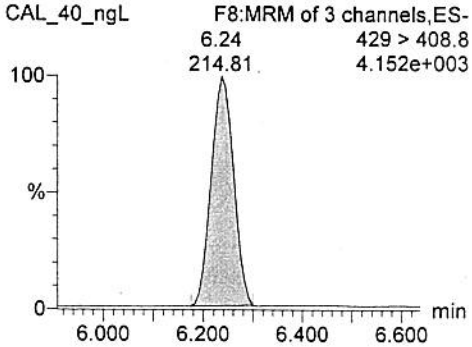
PFPeS



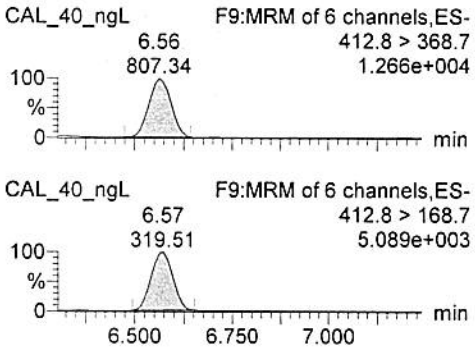
6:2 FTS



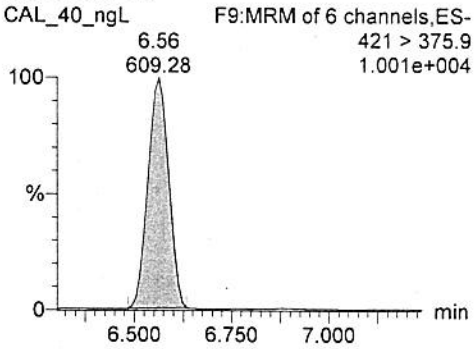
6:2 FTS (M+2)



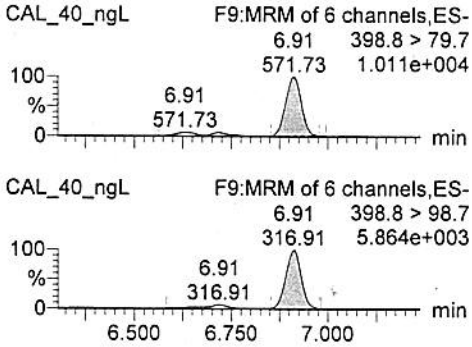
PFOA



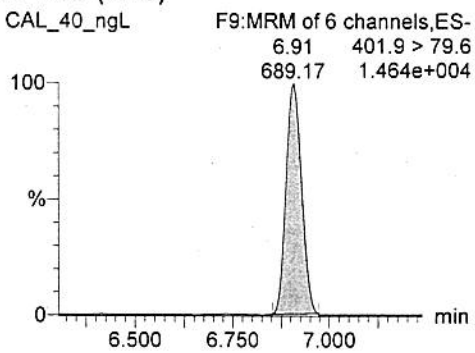
PFOA (M+8)



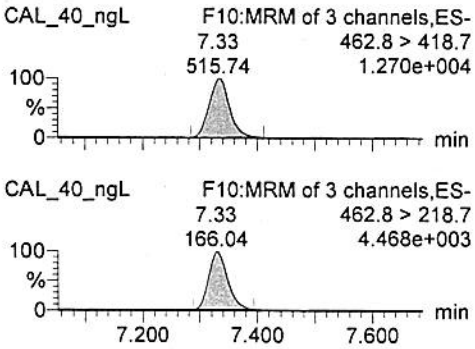
PFHxS



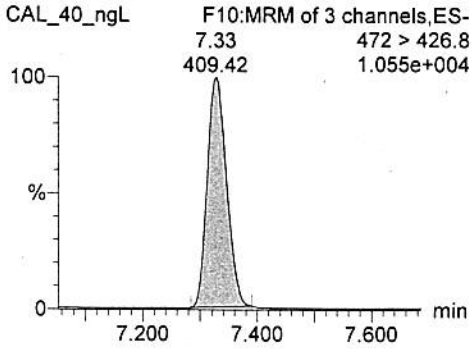
PFHxS (M+3)



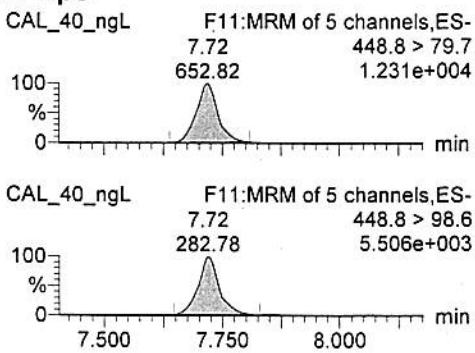
PFNA



PFNA (M+9)



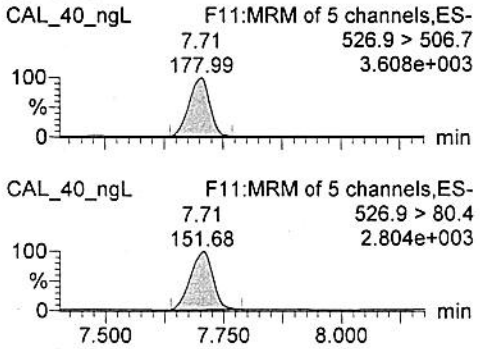
PFHpS



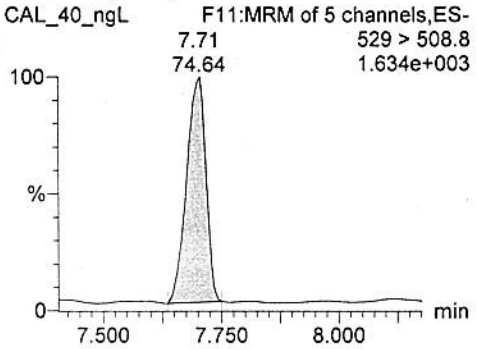
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

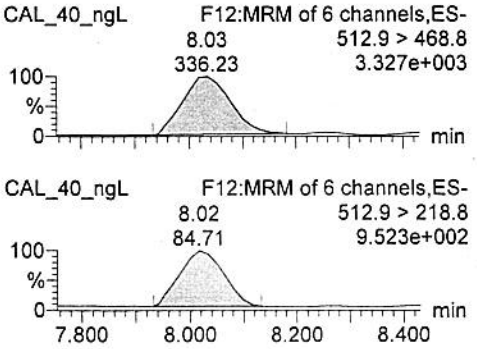
8:2 FTS



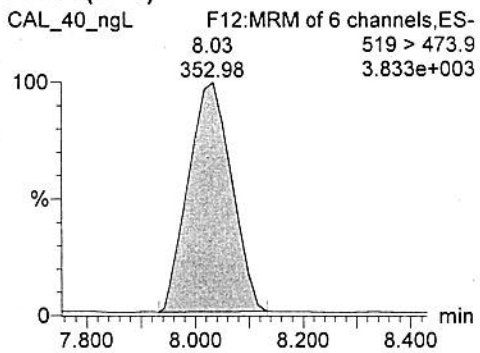
8:2 FTS (M+2)



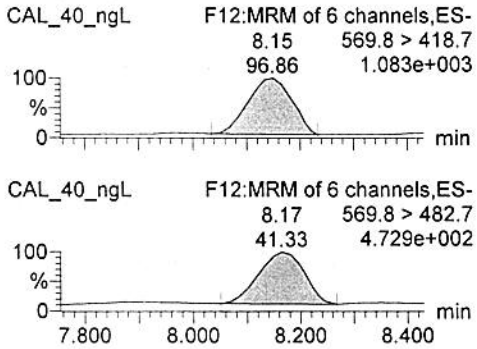
PFDA



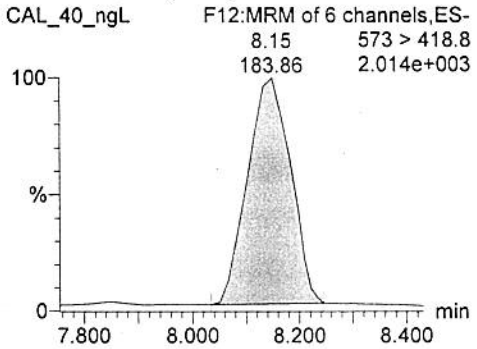
PFDA (M+6)



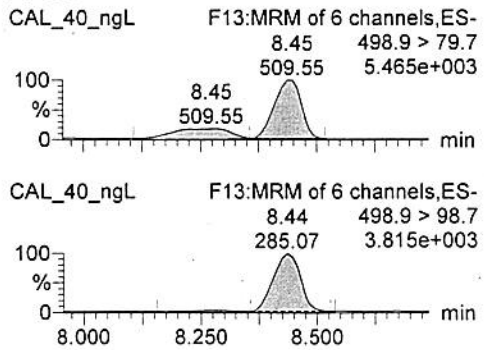
N-MeFOSAA



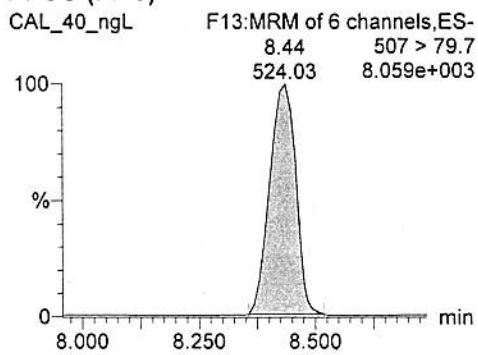
N-MeFOSAA (M+3)



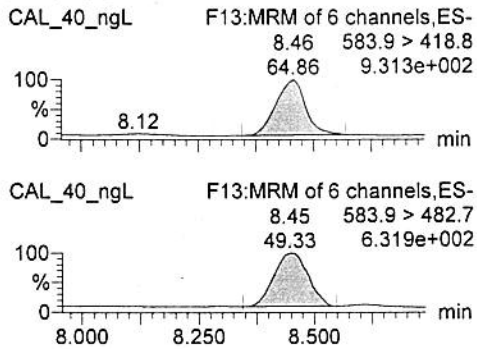
PFOS



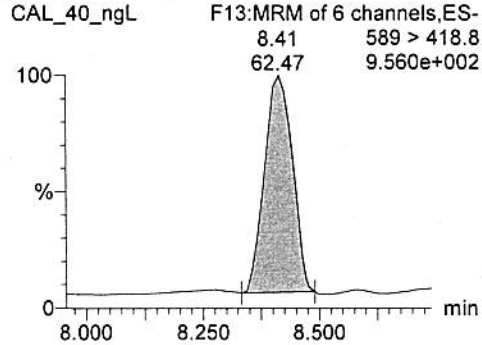
PFOS (M+8)



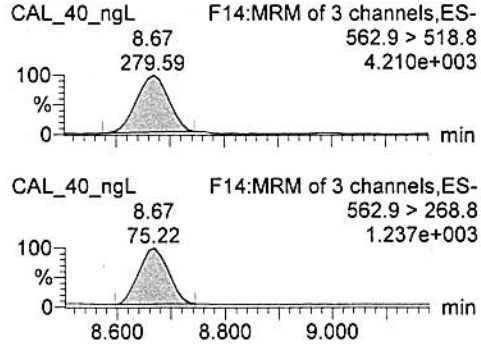
N-EtFOSAA



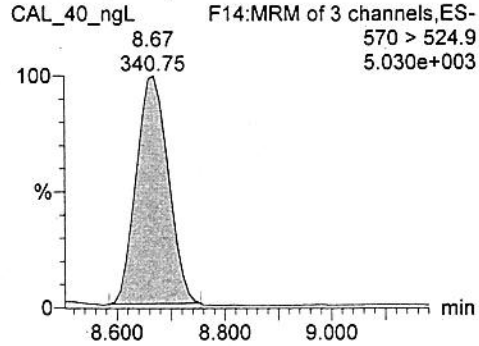
N-EtFOSAA (M+5)



PFUnA



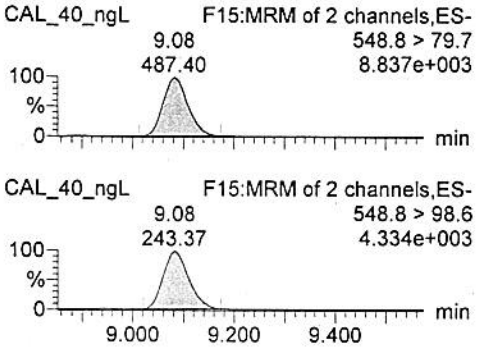
PFUnA (M+7)



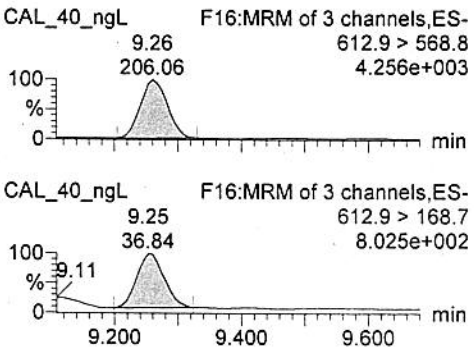
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

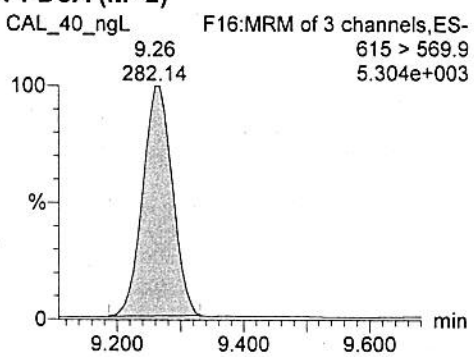
PFNS



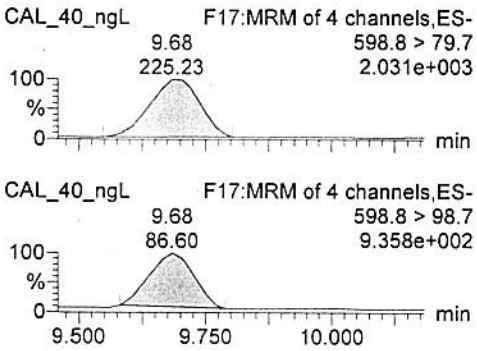
PFDoA



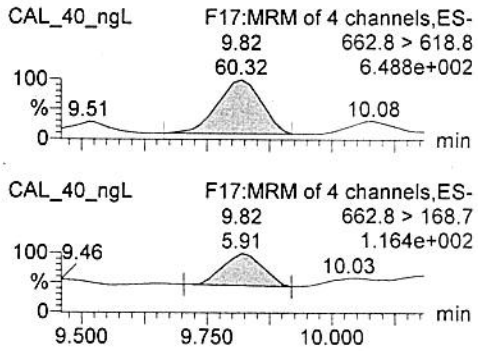
PFDoA (M+2)



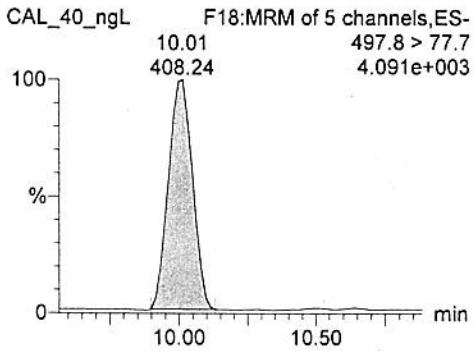
PFDS



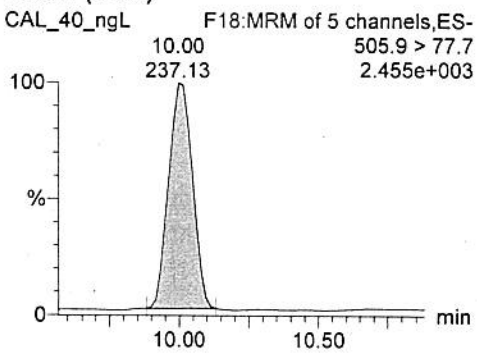
PFTrA



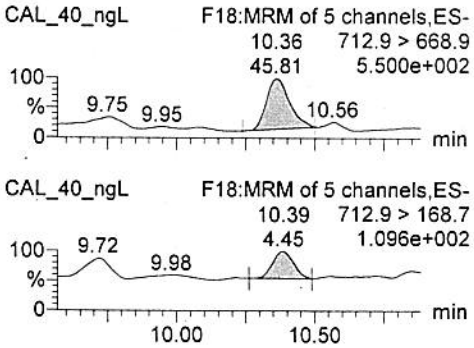
FOSA



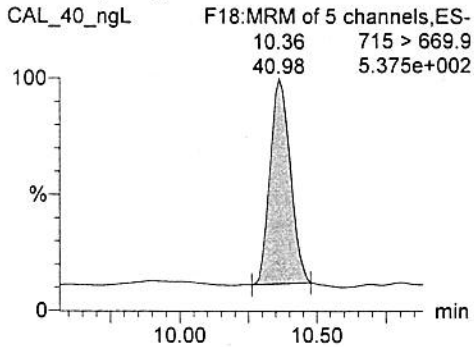
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:50 Eastern Daylight Time

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	766.8	38.97	-2.6	766.795	bb			
PFBA (M+4)	2.90	2.90	0.998	745.6	39.71	-0.7	745.584	bb			
PFPeA	3.73	3.73	0.999	597.5	37.22	-6.9	597.520	bb			
PFPeA (M+5)	3.73	3.74	0.998	555.3	37.25	-6.9	555.308	bb			
4:2 FTS	4.43	4.44	0.998	331.1	40.98	9.6	331.071	bb	1.478	1.506	NO
4:2 FTS (M+2)	4.43	4.44	0.997	330.5	33.97	-9.2	330.525	bb			
PFHxA	4.73	4.74	0.997	570.8	43.40	8.5	570.797	bb	17.678	68.804	YES
PFHxA (M+5)	4.73	4.73	0.998	546.4	35.75	-10.6	546.415	bb			
PFBS	4.91	4.92	0.998	455.2	32.31	-8.7	455.210	bb	2.666	1.246	YES
PFBS (M+3)	4.91	4.92	0.998	791.1	43.04	15.7	791.130	bb			
HFPO-DA	5.09	5.10	0.984	92.7	36.93	-7.7	92.651	bb	1.664	1.378	NO
HFPO-DA (M+3)	5.09	5.09	0.993	129.5	48.85	22.1	129.544	bb			
PFHpA	5.70	5.71	0.998	754.2	36.04	-9.9	754.248	bb	3.777	3.257	NO
PFHpA (M+4)	5.69	5.70	0.999	657.5	37.84	-5.4	657.474	bb			
PFPeS	5.98	5.99	0.999	713.4	35.50	-5.6	713.386	bb	2.394	2.580	NO
6:2 FTS	6.24	6.24	0.998	444.7	39.90	5.0	444.654	bb	1.210	0.974	NO
6:2 FTS (M+2)	6.24	6.24	0.998	214.8	36.73	-3.4	214.814	bb			
PFOA	6.56	6.56	0.998	807.3	41.05	2.6	807.341	bb	2.739	2.527	NO
PFOA (M+8)	6.56	6.56	0.996	609.3	41.60	4.0	609.285	bb			
PFHxS	6.90	6.91	0.999	571.7	37.83	3.7	571.725	MM	1.693	1.804	NO
PFHxS (M+3)	6.90	6.91	0.998	689.2	37.40	-1.1	689.169	bb			
PFNA	7.33	7.33	0.999	515.7	38.11	-4.7	515.744	bb	2.801	3.106	NO
PFNA (M+9)	7.33	7.33	0.999	409.4	40.60	1.5	409.418	bb			
PFHpS	7.72	7.72	0.998	652.8	38.84	2.2	652.823	bb	2.170	2.309	NO
8:2 FTS	7.71	7.71	0.997	178.0	36.65	3.5	177.992	bb	1.149	1.173	NO
8:2 FTS (M+2)	7.71	7.71	0.997	74.6	34.87	-1.5	74.641	bb			
PFDA	8.03	8.03	0.997	336.2	34.74	-13.1	336.225	bb	3.228	3.969	NO
PFDA (M+6)	8.03	8.03	0.976	353.0	33.84	-15.4	352.975	bb			
N-MeFOSAA	8.15	8.15	0.994	96.9	32.92	-17.7	96.864	bb	1.574	2.343	YES
N-MeFOSAA (M+3)	8.15	8.15	0.990	183.9	72.63	81.6	183.860	bbX			
PFOS	8.44	8.45	0.997	509.5	32.60	-11.9	509.548	MM	2.320	1.787	NO
PFOS (M+8)	8.43	8.44	0.997	524.0	35.76	-6.6	524.029	bb			
N-EtFOSAA	8.44	8.46	0.994	64.9	34.80	-13.0	64.855	bb	1.366	1.315	NO
N-EtFOSAA (M+5)	8.43	8.41	0.994	62.5	39.51	-1.2	62.467	bb			
PFUnA	8.67	8.67	0.994	279.6	36.27	-9.3	279.594	bb	4.079	3.717	NO
PFUnA (M+7)	8.67	8.67	0.998	340.7	39.37	-1.6	340.748	bb			
PFNS	9.09	9.08	0.998	487.4	34.28	-3.2	487.396	bb	2.310	2.003	NO
PFDoA	9.27	9.26	0.996	206.1	44.44	11.1	206.056	bb	5.713	5.593	NO
PFDoA (M+2)	9.27	9.26	0.996	282.1	44.95	12.4	282.139	bb			
PFDS	9.68	9.68	0.999	225.2	61.14	58.4	225.233	bbX	2.154	2.601	NO
PFTrA	9.83	9.82	0.985	60.3	40.73	1.8	60.319	bb	6.574	10.211	YES
FOSA	10.01	10.01	0.995	408.2	39.02	-2.4	408.242	bb			
FOSA (M+8)	10.01	10.00	0.996	237.1	37.22	-6.9	237.135	bb			
PFTeA	10.37	10.36	0.986	45.8	37.90	-5.2	45.807	bb	2.347	10.296	YES
PFTeA (M+2)	10.37	10.36	0.989	41.0	40.94	2.3	40.979	bb			

JG 4/24/18

JG 4/24/18

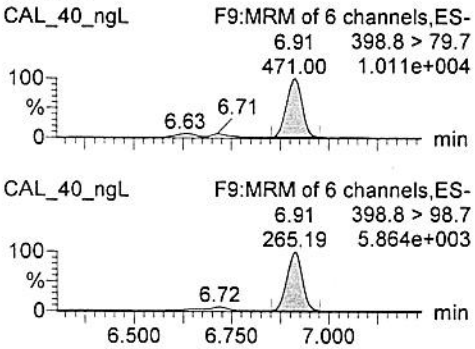
4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:41:59 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

PFHxS



original
JG 4/24/18
4/25/18

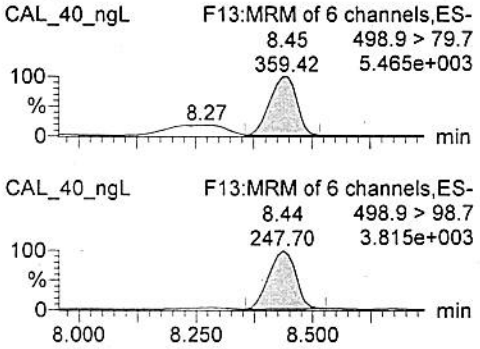
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.91	0.999	471.0	39.22	7.5	470.996	bb	1.693	1.776	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:29 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040305_40ngL, Date: 11-Apr-2018, Time: 08:51:00, Description: CAL_40_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:4

PFOS



original
JG 4/24/18
2/4/25/18

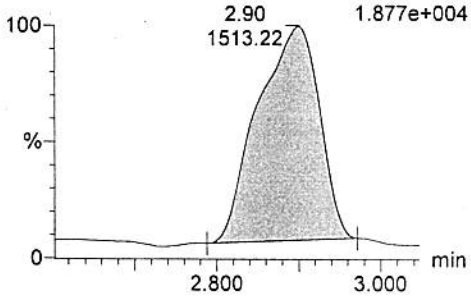
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.45	0.997	359.4	32.05	-13.4	359.424	db	2.320	1.451	YES

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:51 Eastern Daylight Time

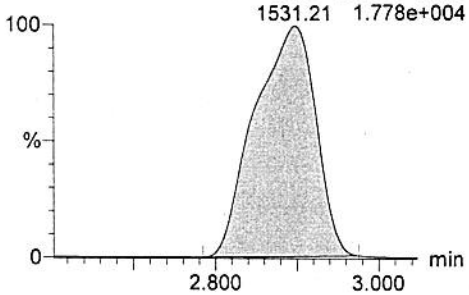
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

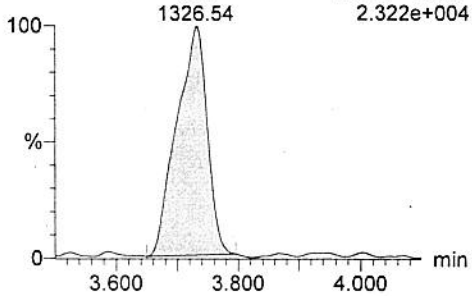
PFBA
CAL_80_ngL F1:MRM of 2 channels,ES- 212.8 > 168.7
2.90 1513.22 1.877e+004



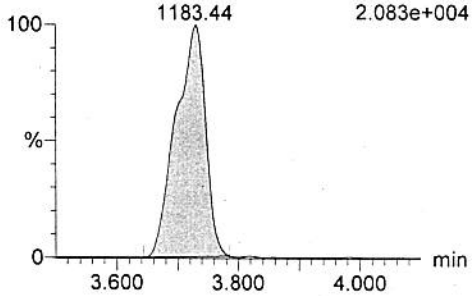
PFBA (M+4)
CAL_80_ngL F1:MRM of 2 channels,ES- 216.9 > 171.8
2.90 1531.21 1.778e+004



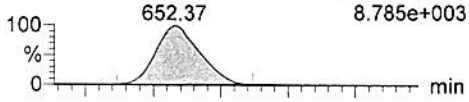
PFPeA
CAL_80_ngL F2:MRM of 2 channels,ES- 262.8 > 218.7
3.73 1326.54 2.322e+004



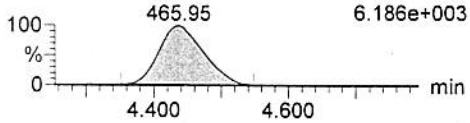
PFPeA (M+5)
CAL_80_ngL F2:MRM of 2 channels,ES- 267.9 > 222.8
3.73 1183.44 2.083e+004



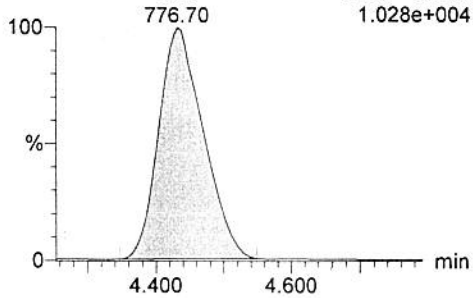
4:2 FTS
CAL_80_ngL F3:MRM of 3 channels,ES- 326.8 > 306.8
4.43 652.37 8.785e+003



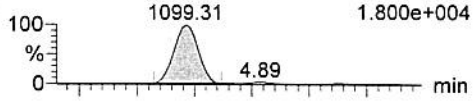
CAL_80_ngL F3:MRM of 3 channels,ES- 326.8 > 80.3
4.44 465.95 6.186e+003



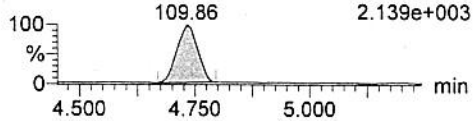
4:2 FTS (M+2)
CAL_80_ngL F3:MRM of 3 channels,ES- 328.9 > 308.8
4.43 776.70 1.028e+004



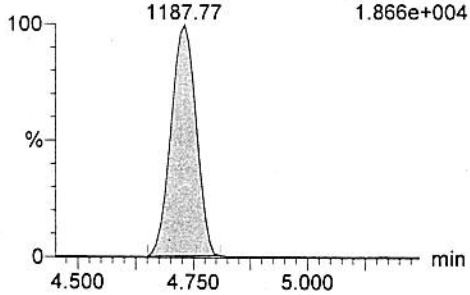
PFHxA
CAL_80_ngL F4:MRM of 6 channels,ES- 312.8 > 268.7
4.73 1099.31 1.800e+004



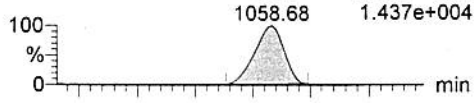
CAL_80_ngL F4:MRM of 6 channels,ES- 312.8 > 118.7
4.73 109.86 2.139e+003



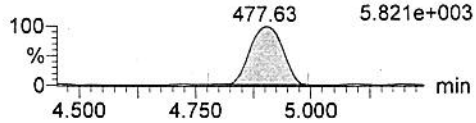
PFHxA (M+5)
CAL_80_ngL F4:MRM of 6 channels,ES- 317.9 > 272.8
4.73 1187.77 1.866e+004



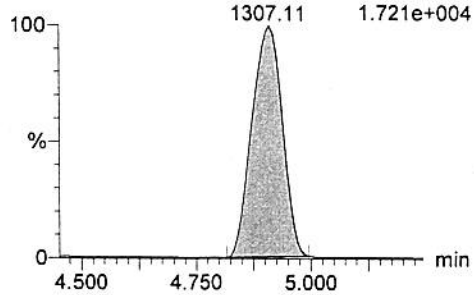
PFBS
CAL_80_ngL F4:MRM of 6 channels,ES- 298.8 > 79.6
4.92 1058.68 1.437e+004



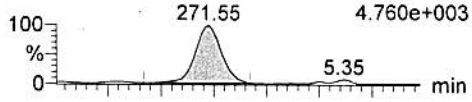
CAL_80_ngL F4:MRM of 6 channels,ES- 298.8 > 98.6
4.90 477.63 5.821e+003



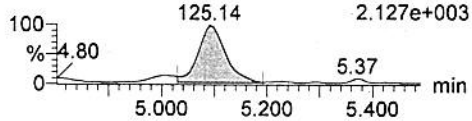
PFBS (M+3)
CAL_80_ngL F4:MRM of 6 channels,ES- 301.9 > 79.7
4.91 1307.11 1.721e+004



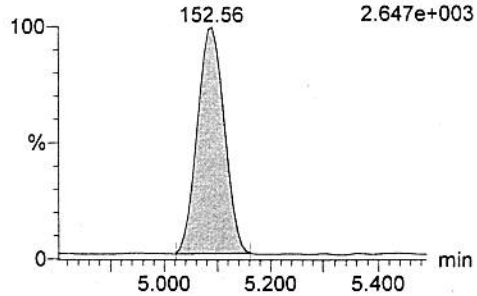
HFPO-DA
CAL_80_ngL F5:MRM of 3 channels,ES- 329 > 285
5.09 271.55 4.760e+003



CAL_80_ngL F5:MRM of 3 channels,ES- 329 > 169
5.09 125.14 2.127e+003



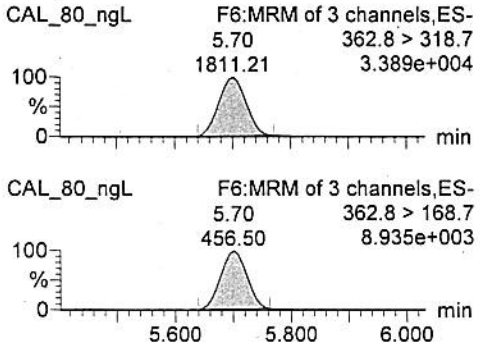
HFPO-DA (M+3)
CAL_80_ngL F5:MRM of 3 channels,ES- 332 > 287
5.09 152.56 2.647e+003



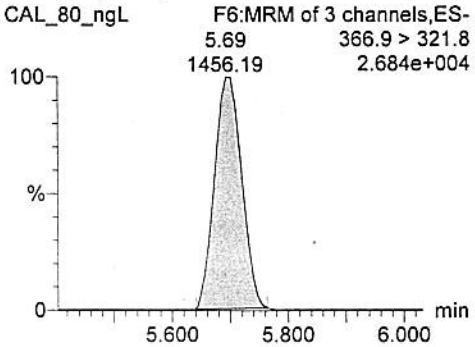
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:51 Eastern Daylight Time

Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

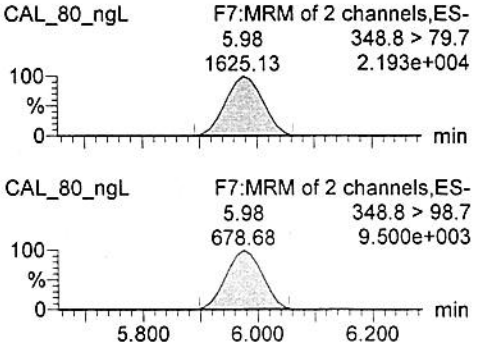
PFHpA



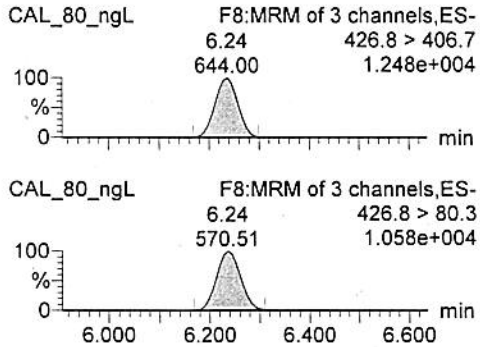
PFHpA (M+4)



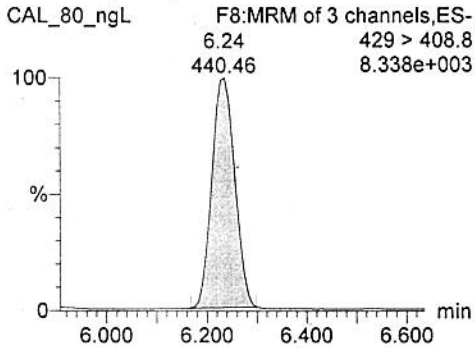
PFPeS



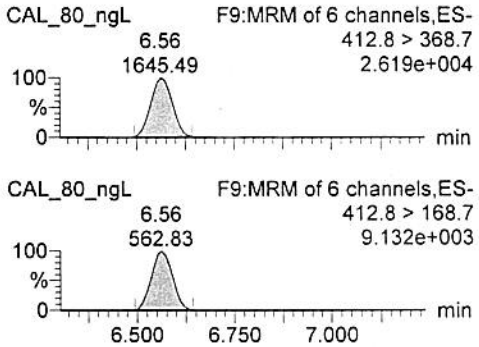
6:2 FTS



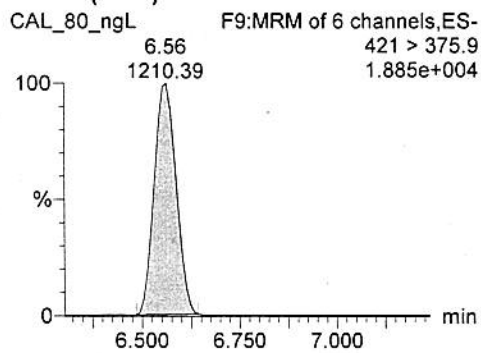
6:2 FTS (M+2)



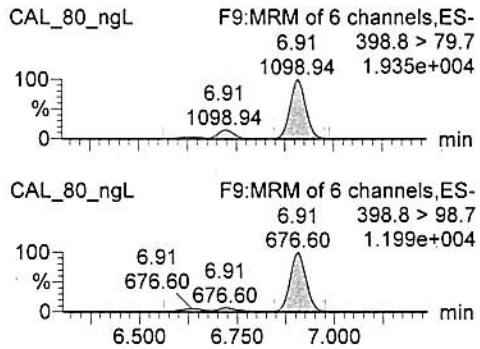
PFOA



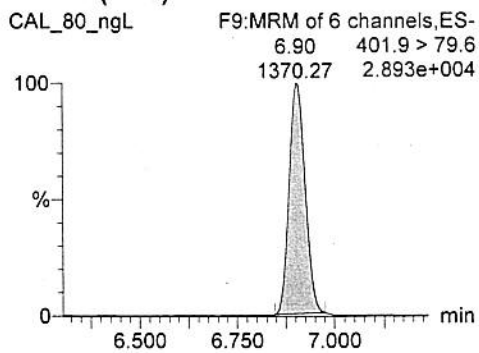
PFOA (M+8)



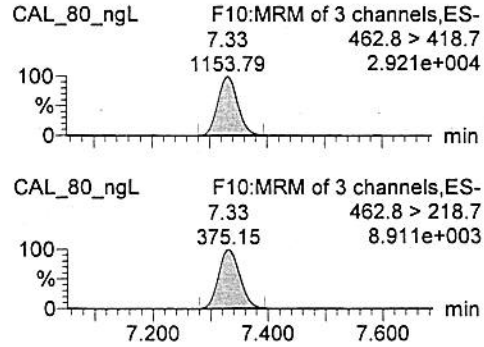
PFHxS



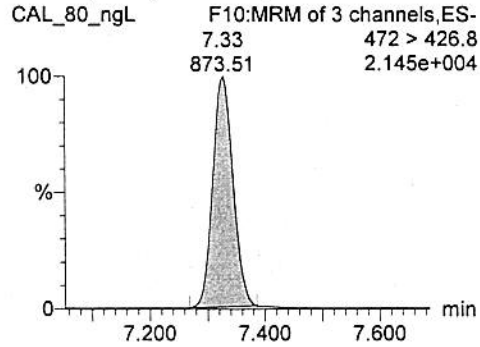
PFHxS (M+3)



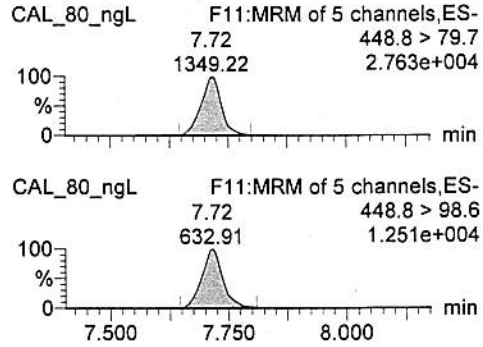
PFNA



PFNA (M+9)



PFHpS



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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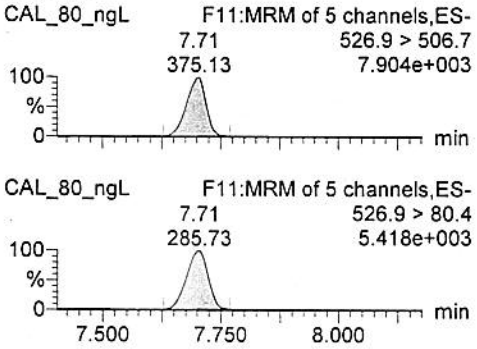
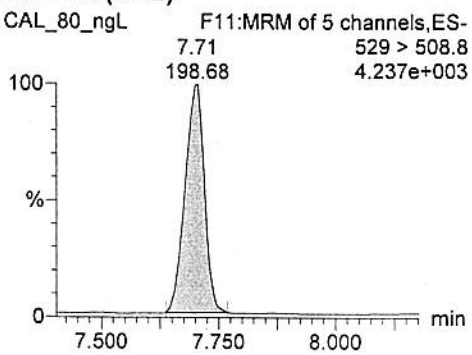
Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

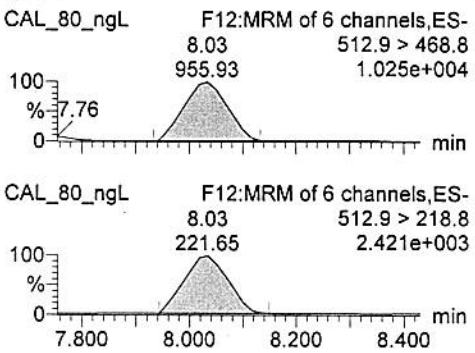
8:2 FTS



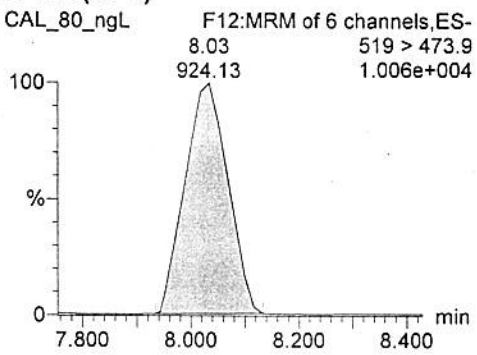
8:2 FTS (M+2)



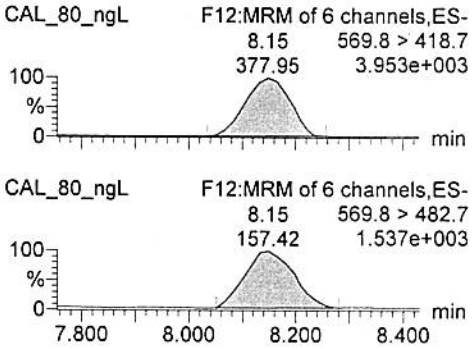
PFDA



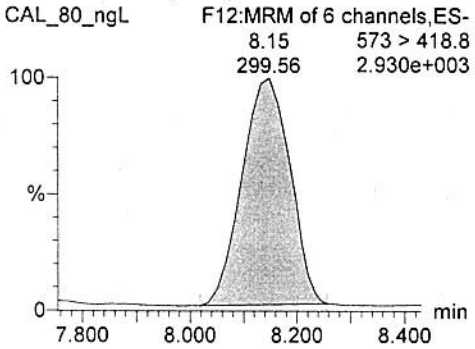
PFDA (M+6)



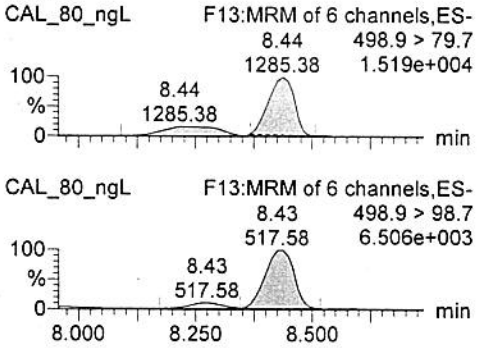
N-MeFOSAA



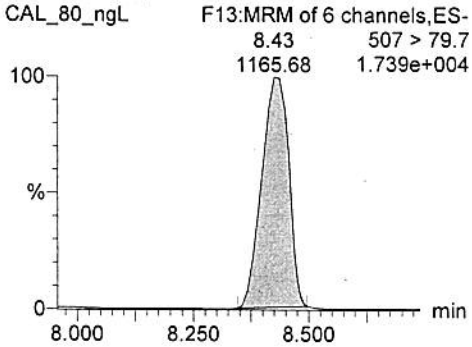
N-MeFOSAA (M+3)



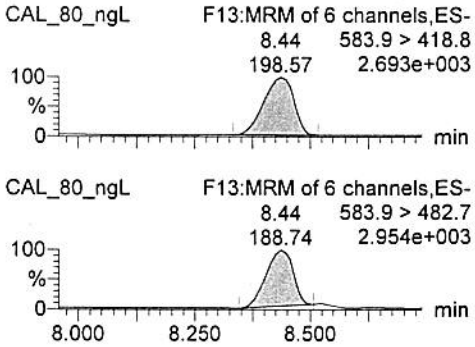
PFOS



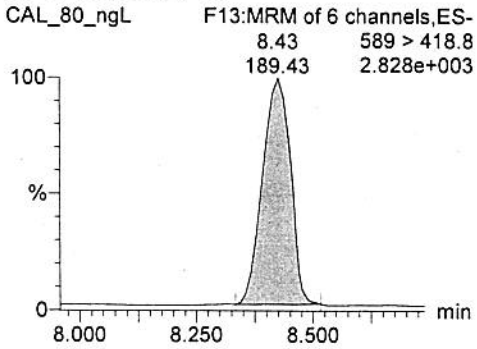
PFOS (M+8)



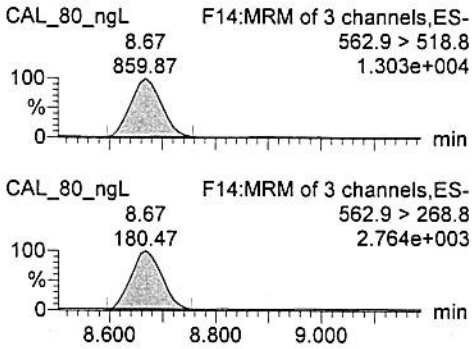
N-EtFOSAA



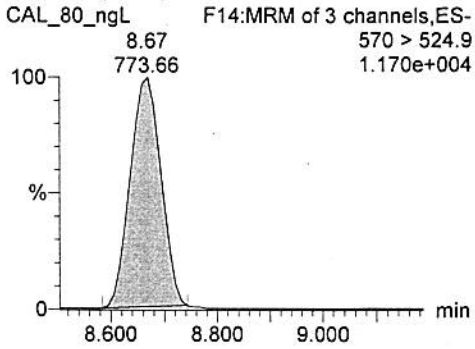
N-EtFOSAA (M+5)



PFUnA



PFUnA (M+7)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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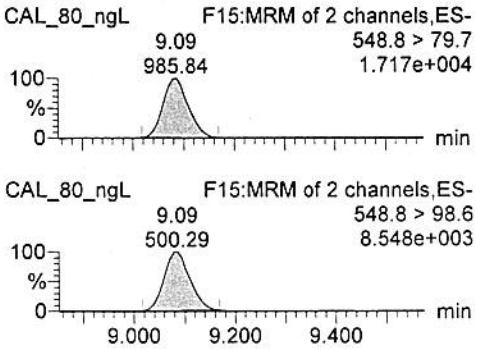
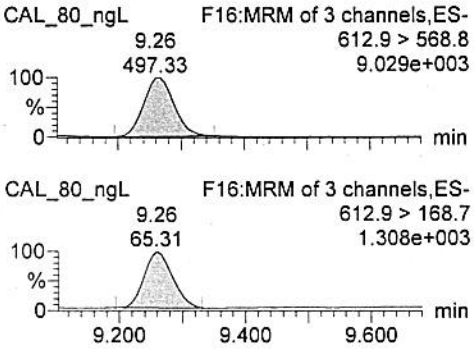
Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

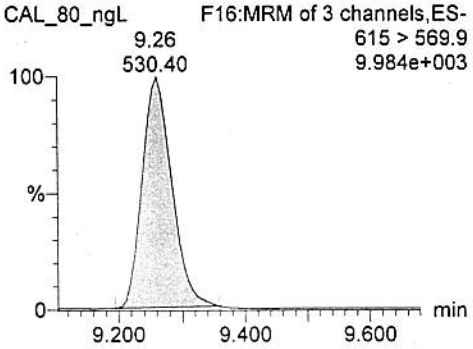
PFNS



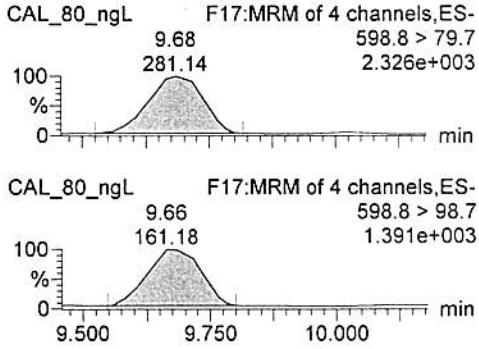
PFDoA



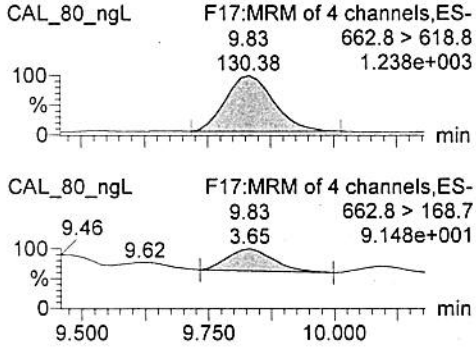
PFDoA (M+2)



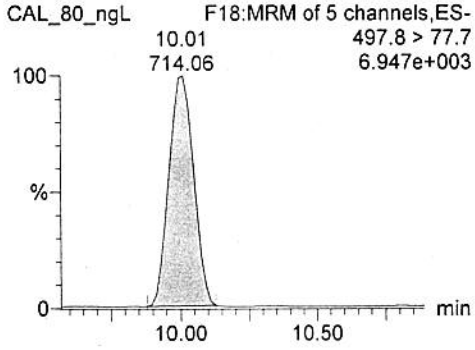
PFDS



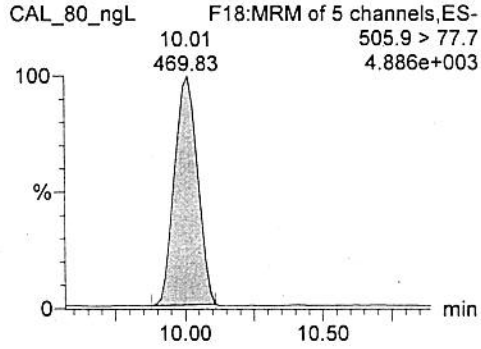
PFTrA



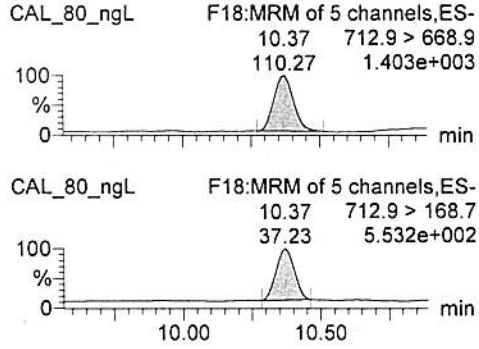
FOSA



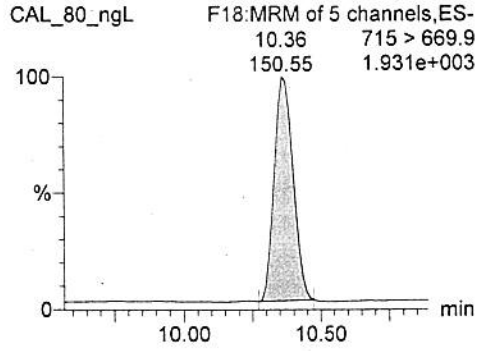
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	1513.2	77.56	-3.1	1513.218	bb			
PFBA (M+4)	2.90	2.90	0.998	1531.2	78.41	-2.0	1531.206	bb			
PFPeA	3.73	3.73	0.999	1326.5	82.25	2.8	1326.543	bb			
PFPeA (M+5)	3.73	3.73	0.998	1183.4	77.13	-3.6	1183.445	bb			
4:2 FTS	4.43	4.43	0.998	652.4	79.23	5.9	652.368	bb	1.478	1.400	NO
4:2 FTS (M+2)	4.43	4.43	0.997	776.7	83.90	12.2	776.704	bb			
PFHxA	4.73	4.73	0.997	1099.3	77.41	-3.2	1099.309	bb	17.678	10.007	YES
PFHxA (M+5)	4.73	4.73	0.998	1187.8	76.17	-4.8	1187.766	bb			
PFBS	4.91	4.92	0.998	1058.7	66.34	-6.3	1058.682	bb	2.666	2.217	NO
PFBS (M+3)	4.91	4.91	0.998	1307.1	67.94	-8.7	1307.112	bb			
HFPO-DA	5.09	5.09	0.984	271.5	102.2	27.7	271.546	bb	1.664	2.170	NO
HFPO-DA (M+3)	5.09	5.09	0.993	152.6	59.14	-26.1	152.555	bb			
PFHpA	5.70	5.70	0.998	1811.2	84.93	6.2	1811.210	bb	3.777	3.968	NO
PFHpA (M+4)	5.69	5.69	0.999	1456.2	81.78	2.2	1456.187	bb			
PFPeS	5.98	5.98	0.999	1625.1	80.12	6.5	1625.130	bb	2.394	2.395	NO
6:2 FTS	6.24	6.24	0.998	644.0	75.00	-1.3	644.000	bb	1.210	1.129	NO
6:2 FTS (M+2)	6.24	6.24	0.998	440.5	76.13	0.2	440.465	bb			
PFOA	6.56	6.56	0.998	1645.5	86.73	8.4	1645.492	bb	2.739	2.924	NO
PFOA (M+8)	6.56	6.56	0.996	1210.4	80.40	0.5	1210.385	bb			
PFHxS	6.90	6.91	0.999	1098.9	70.50	-3.4	1098.938	MM JG	1.693	1.624	NO
PFHxS (M+3)	6.90	6.90	0.998	1370.3	76.34	1.0	1370.266	bb 4/24/18			
PFNA	7.33	7.33	0.999	1153.8	83.49	4.4	1153.786	bb	2.801	3.076	NO
PFNA (M+9)	7.33	7.33	0.999	873.5	83.06	3.8	873.514	bb			
PFHpS	7.72	7.72	0.998	1349.2	79.07	4.0	1349.222	bb	2.170	2.132	NO
8:2 FTS	7.71	7.71	0.997	375.1	72.44	2.3	375.128	bb	1.149	1.313	NO
8:2 FTS (M+2)	7.71	7.71	0.997	198.7	82.17	16.1	198.678	bb			
PFDA	8.03	8.03	0.997	955.9	99.59	24.5	955.930	bb	3.228	4.313	NO
PFDA (M+6)	8.03	8.03	0.976	924.1	89.74	12.2	924.126	bb			
N-MeFOSAA	8.15	8.15	0.994	377.9	94.29	17.9	377.946	bb	1.574	2.401	YES
N-MeFOSAA (M+3)	8.15	8.15	0.990	299.6	95.68	19.6	299.563	bb			
PFOS	8.44	8.44	0.997	1285.4	76.65	3.6	1285.383	MM JG	2.320	2.483	NO
PFOS (M+8)	8.43	8.43	0.997	1165.7	80.01	4.5	1165.677	bb 4/24/18			
N-EtFOSAA	8.44	8.44	0.994	198.6	78.81	-1.5	198.567	bb	1.366	1.052	NO
N-EtFOSAA (M+5)	8.43	8.43	0.994	189.4	92.63	15.8	189.427	bb			
PFUnA	8.67	8.67	0.994	859.9	93.24	16.6	859.866	bb	4.079	4.765	NO
PFUnA (M+7)	8.67	8.67	0.998	773.7	80.91	1.1	773.656	bb			
PFNS	9.09	9.09	0.998	985.8	66.22	-6.5	985.836	bb	2.310	1.970	NO
PFDoA	9.27	9.26	0.996	497.3	93.02	16.3	497.326	bb	5.713	7.615	NO
PFDoA (M+2)	9.27	9.26	0.996	530.4	78.42	-2.0	530.404	bb			
PFDS	9.68	9.68	0.999	281.1	74.27	-3.8	281.142	bb	2.154	1.744	NO
PFTrA	9.83	9.83	0.985	130.4	64.40	-19.5	130.382	bb	6.574	35.770	YES
FOSA	10.01	10.01	0.995	714.1	62.05	-22.4	714.057	bb			
FOSA (M+8)	10.01	10.01	0.996	469.8	66.86	-16.4	469.833	bb			
PFTeA	10.37	10.37	0.986	110.3	79.91	-0.1	110.273	bb	2.347	2.962	NO
PFTeA (M+2)	10.37	10.36	0.989	150.6	96.93	21.2	150.553	bb			

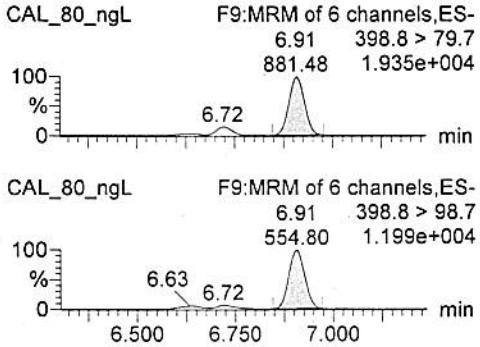
7/4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:02 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

PFHxS



original
JG 4/24/18
2/4/25/18

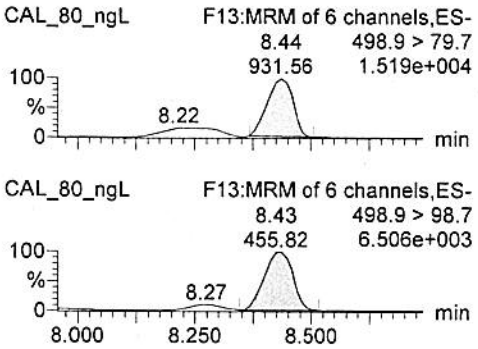
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.91	0.999	881.5	70.56	-3.3	881.484	bb	1.693	1.589	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:32 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040115_80ngL, Date: 11-Apr-2018, Time: 09:13:29, Description: CAL_80_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:5

PFOS



Original
JG 4/24/18
7 4/25/18

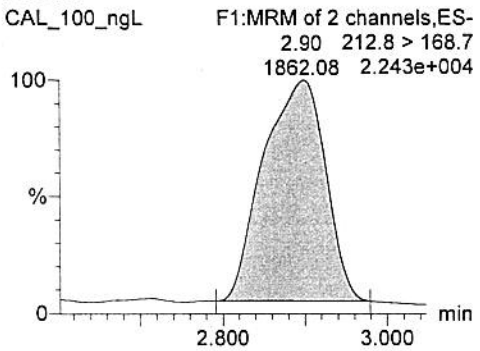
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	931.6	76.45	3.3	931.559	bb	2.320	2.044	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

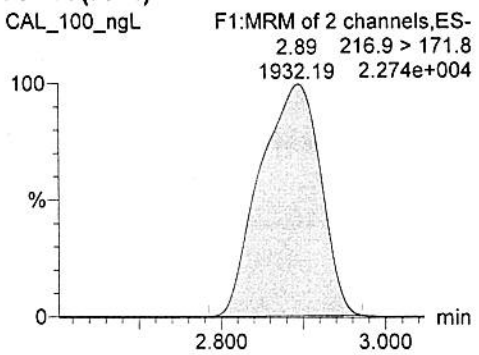
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

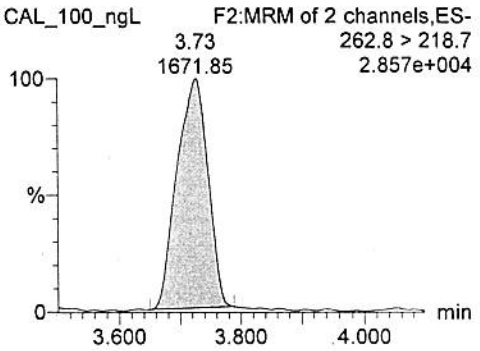
PFBA



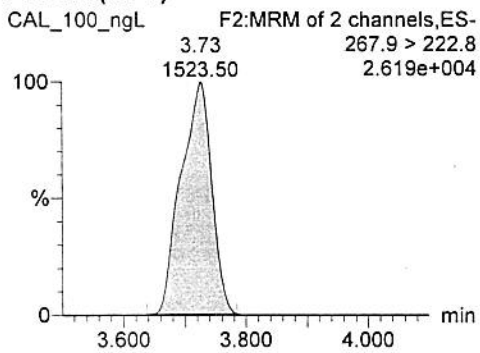
PFBA (M+4)



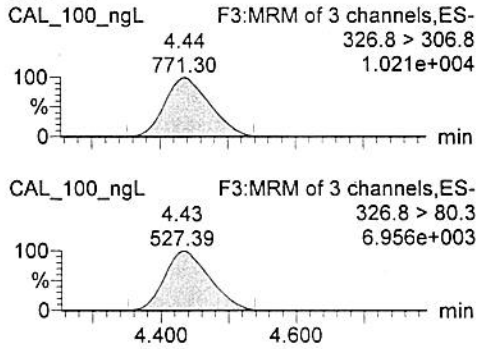
PFPeA



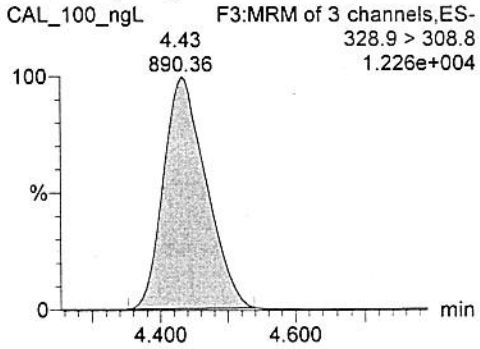
PFPeA (M+5)



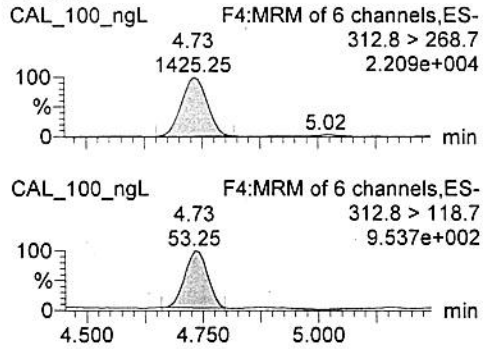
4:2 FTS



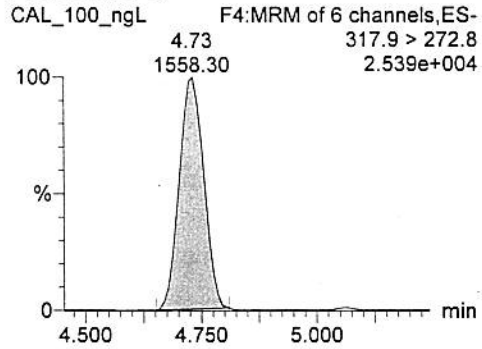
4:2 FTS (M+2)



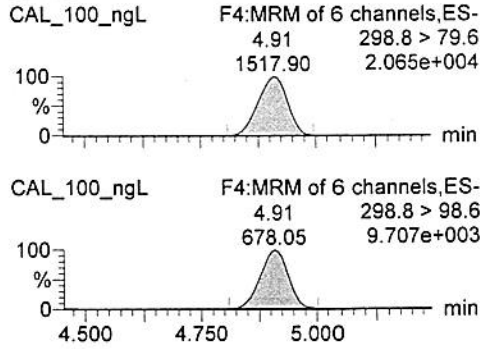
PFHxA



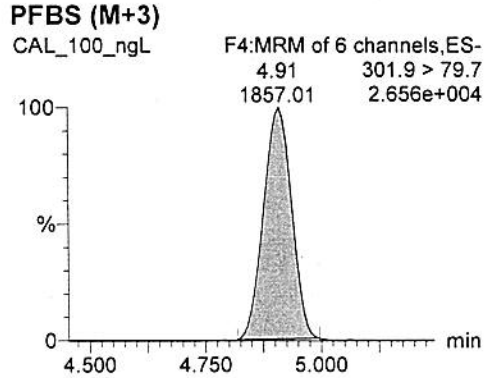
PFHxA (M+5)



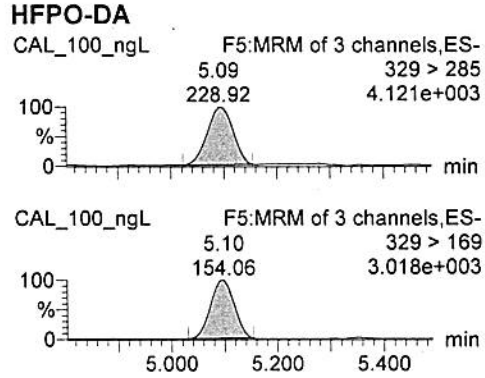
PFBS



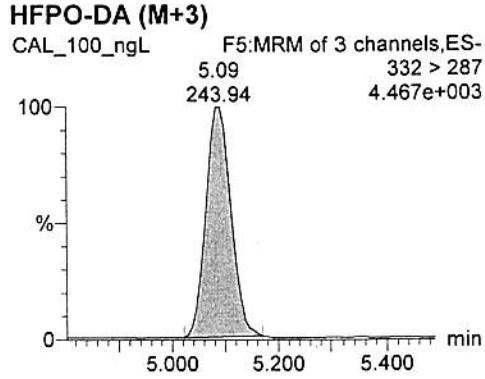
PFBS (M+3)



HFPO-DA



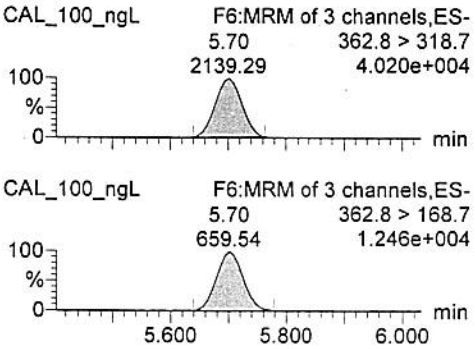
HFPO-DA (M+3)



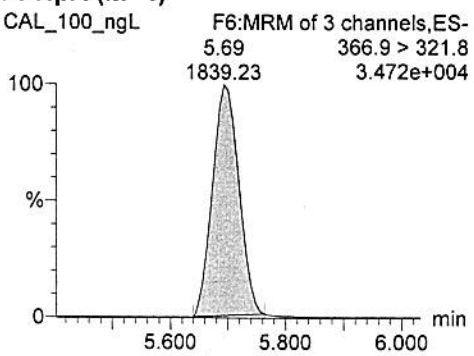
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

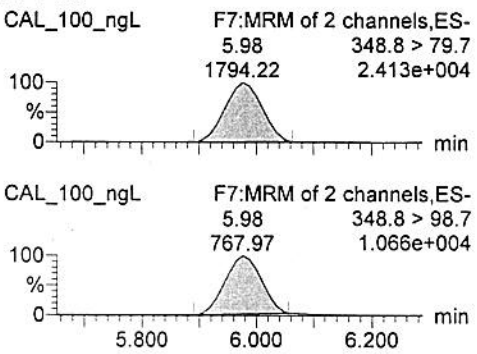
PFHpA



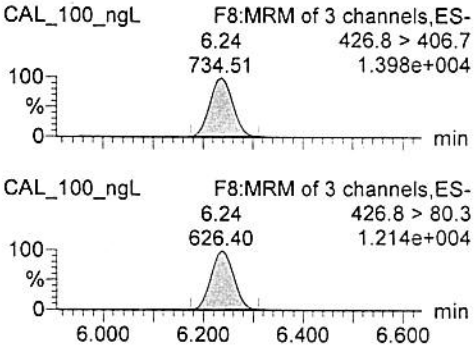
PFHpA (M+4)



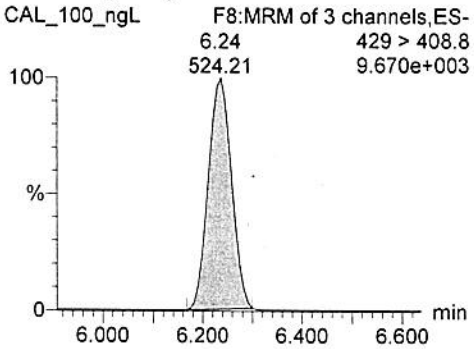
PFPeS



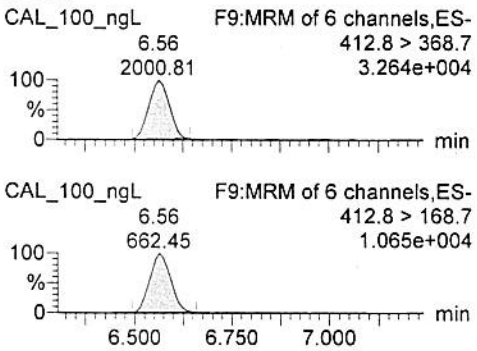
6:2 FTS



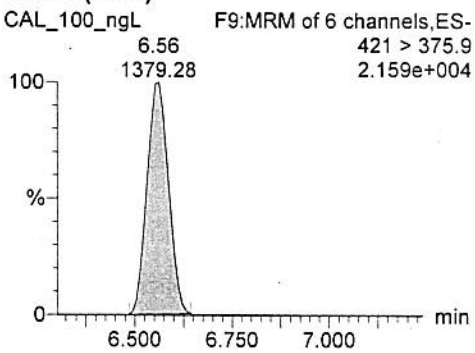
6:2 FTS (M+2)



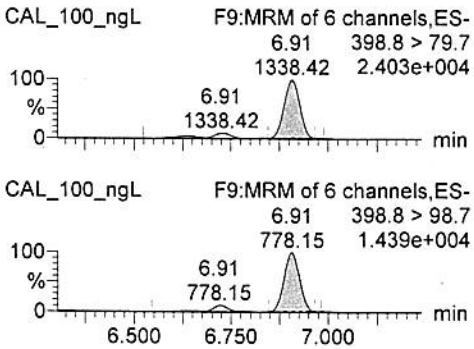
PFOA



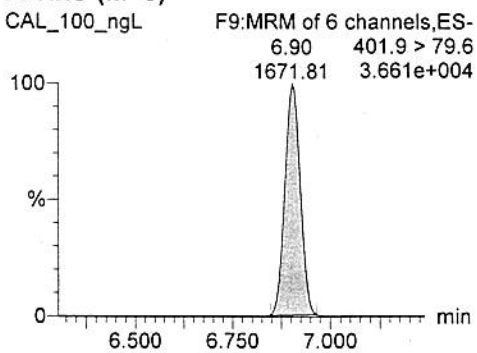
PFOA (M+8)



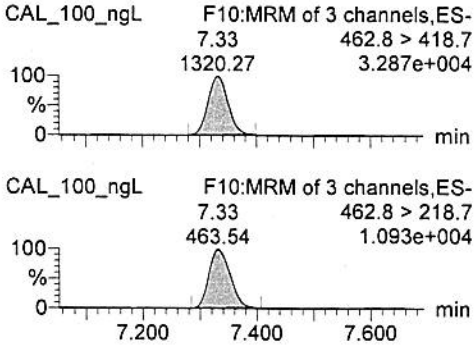
PFHxS



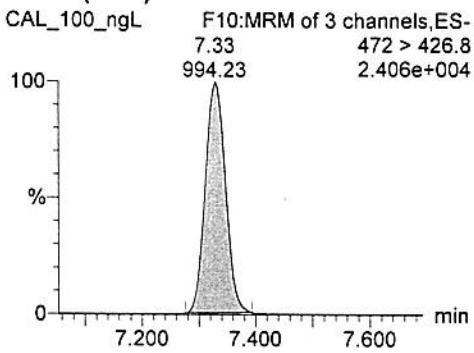
PFHxS (M+3)



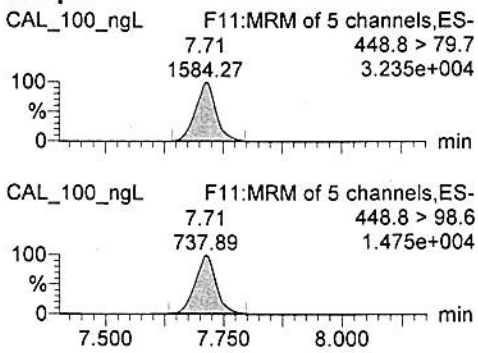
PFNA



PFNA (M+9)



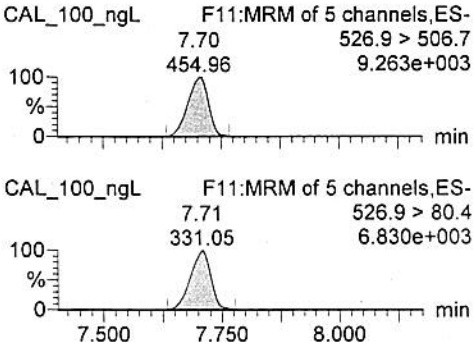
PFHpS



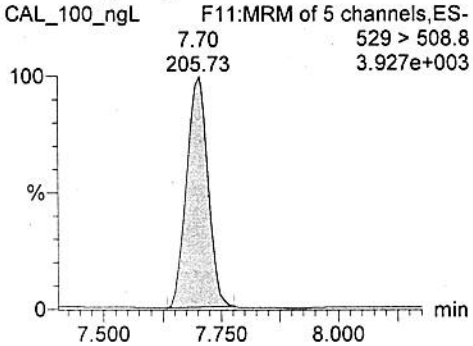
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

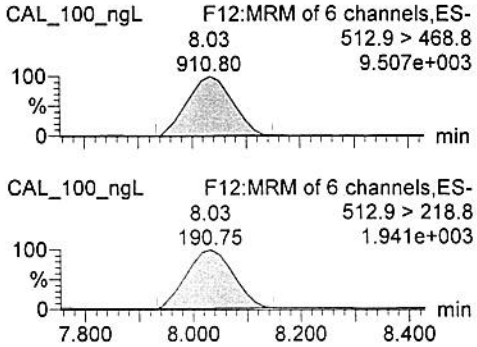
8:2 FTS



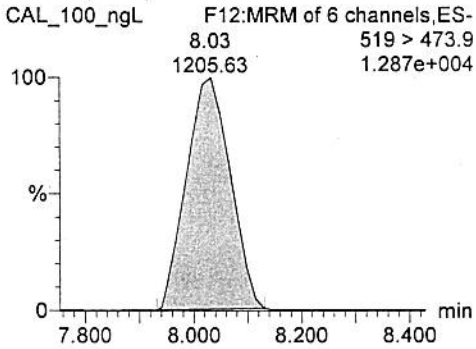
8:2 FTS (M+2)



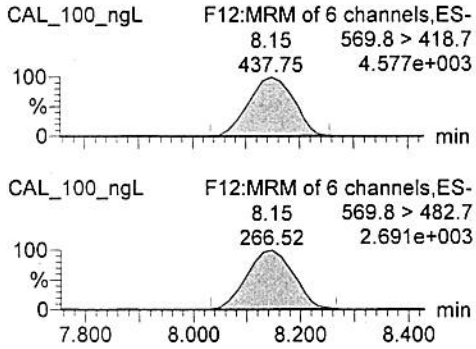
PFDA



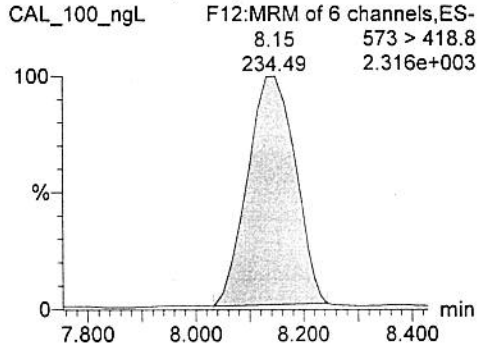
PFDA (M+6)



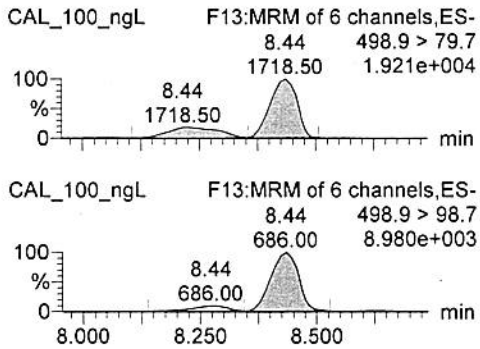
N-MeFOSAA



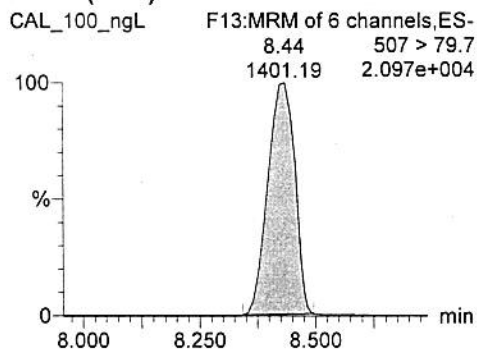
N-MeFOSAA (M+3)



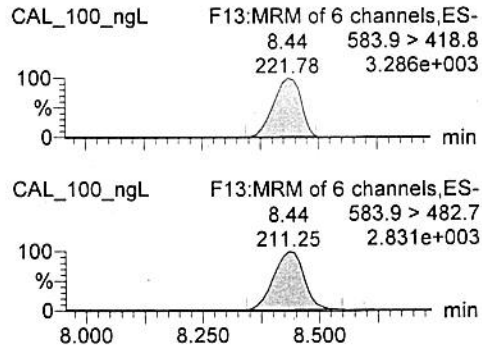
PFOS



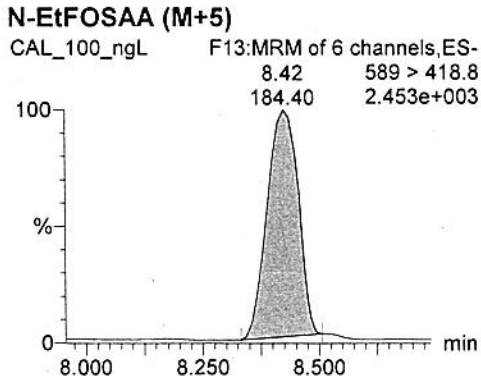
PFOS (M+8)



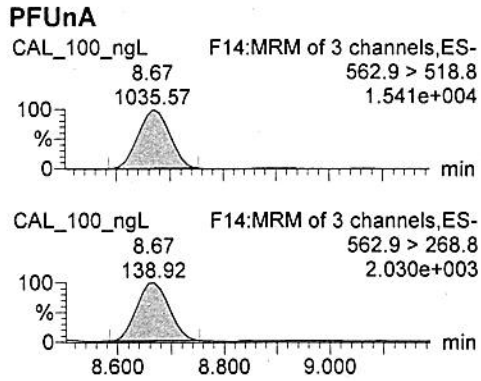
N-EtFOSAA



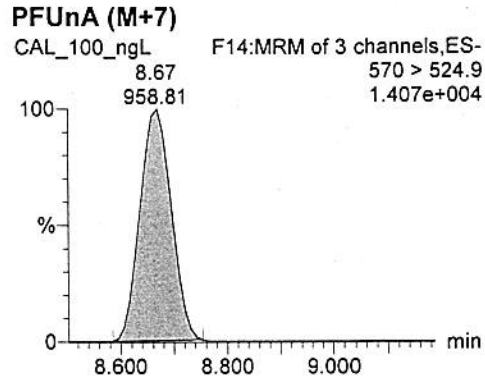
N-EtFOSAA (M+5)



PFUnA



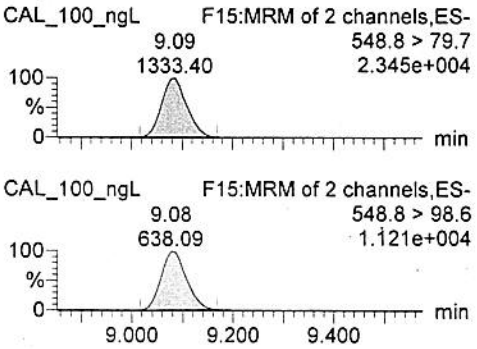
PFUnA (M+7)



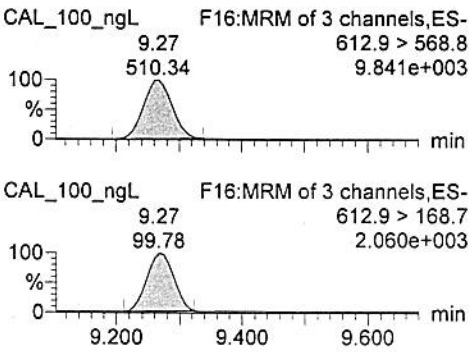
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

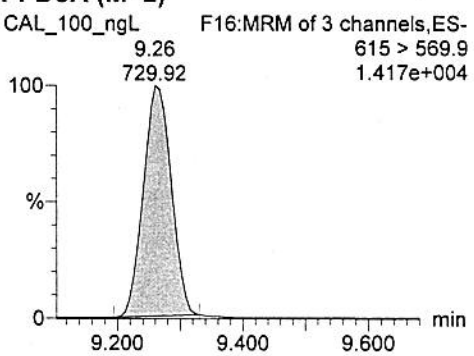
PFNS



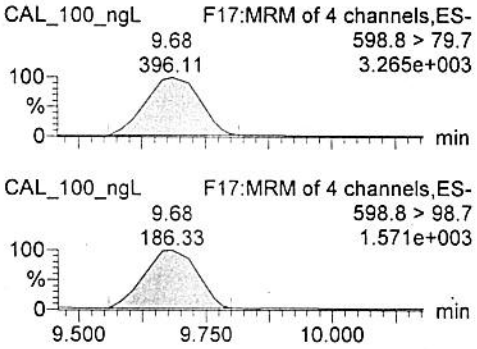
PFDoA



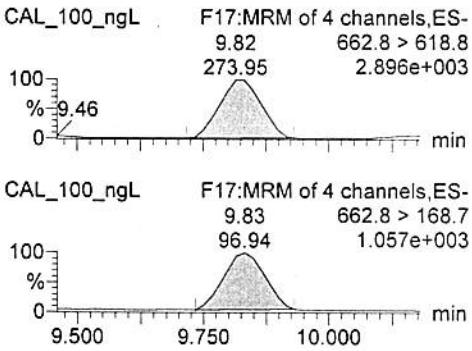
PFDoA (M+2)



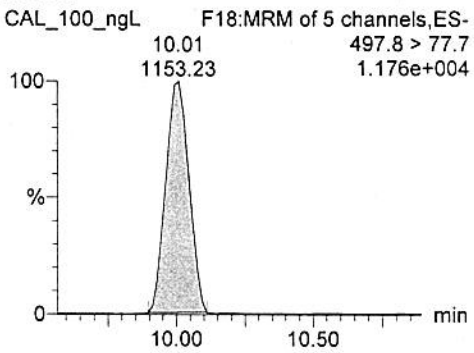
PFDS



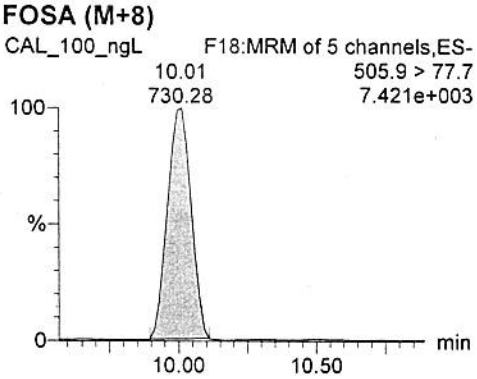
PFTrA



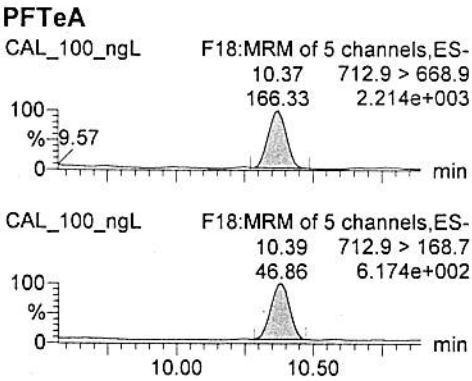
FOSA



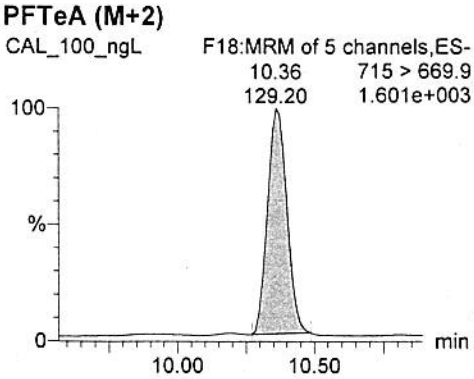
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	1862.1	95.59	-4.4	1862.079	bb			
PFBA (M+4)	2.90	2.89	0.998	1932.2	98.16	-1.8	1932.190	bb			
PFPeA	3.73	3.73	0.999	1671.9	103.6	3.6	1671.854	bb			
PFPeA (M+5)	3.73	3.73	0.998	1523.5	98.72	-1.3	1523.499	bb			
4:2 FTS	4.43	4.44	0.998	771.3	93.38	-0.1	771.296	bb	1.478	1.462	NO
4:2 FTS (M+2)	4.43	4.43	0.997	890.4	96.62	3.3	890.355	bb			
PFHxA	4.73	4.73	0.997	1425.3	98.38	-1.6	1425.250	bb	17.678	26.765	YES
PFHxA (M+5)	4.73	4.73	0.998	1558.3	99.53	-0.5	1558.304	bb			
PFBS	4.91	4.91	0.998	1517.9	92.24	4.2	1517.898	bb	2.666	2.239	NO
PFBS (M+3)	4.91	4.91	0.998	1857.0	94.48	1.6	1857.007	bb			
HFPO-DA	5.09	5.09	0.984	228.9	86.63	-13.4	228.919	bb	1.664	1.486	NO
HFPO-DA (M+3)	5.09	5.09	0.993	243.9	100.0	0.0	243.942	bb			
PFHpA	5.70	5.70	0.998	2139.3	100.1	0.1	2139.290	bb	3.777	3.244	NO
PFHpA (M+4)	5.69	5.69	0.999	1839.2	102.9	2.9	1839.233	bb			
PFPeS	5.98	5.98	0.999	1794.2	88.39	-6.0	1794.222	bb	2.394	2.336	NO
6:2 FTS	6.24	6.24	0.998	734.5	90.94	-4.3	734.507	bb	1.210	1.173	NO
6:2 FTS (M+2)	6.24	6.24	0.998	524.2	90.75	-4.5	524.208	bb			
PFOA	6.56	6.56	0.998	2000.8	106.1	6.1	2000.806	bb	2.739	3.020	NO
PFOA (M+8)	6.56	6.56	0.996	1379.3	91.30	-8.7	1379.282	bb			
PFHxS	6.90	6.91	0.999	1338.4	85.34	-6.4	1338.422	MM JG	1.693	1.720	NO
PFHxS (M+3)	6.90	6.90	0.998	1671.8	93.58	-1.0	1671.814	bb 4/24/18			
PFNA	7.33	7.33	0.999	1320.3	95.33	-4.7	1320.265	bb	2.801	2.848	NO
PFNA (M+9)	7.33	7.33	0.999	994.2	94.10	-5.9	994.233	bb			
PFHpS	7.72	7.71	0.998	1584.3	92.65	-2.5	1584.272	bb	2.170	2.147	NO
8:2 FTS	7.71	7.70	0.997	455.0	86.93	-1.8	454.962	bb	1.149	1.374	NO
8:2 FTS (M+2)	7.71	7.70	0.997	205.7	84.86	-4.1	205.728	bb			
PFDA	8.03	8.03	0.997	910.8	94.87	-5.1	910.798	bb	3.228	4.775	YES
PFDA (M+6)	8.03	8.03	0.976	1205.6	117.3	17.3	1205.632	bb			
N-MeFOSAA	8.15	8.15	0.994	437.7	107.3	7.3	437.745	bb	1.574	1.643	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	234.5	82.71	-17.3	234.493	bb			
PFOS	8.44	8.44	0.997	1718.5	101.2	9.4	1718.501	MM JG	2.320	2.505	NO
PFOS (M+8)	8.43	8.44	0.997	1401.2	96.26	0.6	1401.195	bb 4/24/18			
N-EtFOSAA	8.44	8.44	0.994	221.8	86.45	-13.6	221.777	bb	1.366	1.050	NO
N-EtFOSAA (M+5)	8.43	8.42	0.994	184.4	90.52	-9.5	184.400	bb			
PFUnA	8.67	8.67	0.994	1035.6	110.5	10.5	1035.570	bb	4.079	7.454	YES
PFUnA (M+7)	8.67	8.67	0.998	958.8	98.67	-1.3	958.814	bb			
PFNS	9.09	9.09	0.998	1333.4	88.49	-0.0	1333.401	bb	2.310	2.090	NO
PFDoA	9.27	9.27	0.996	510.3	95.19	-4.8	510.338	bb	5.713	5.115	NO
PFDoA (M+2)	9.27	9.26	0.996	729.9	105.3	5.3	729.925	bb			
PFDS	9.68	9.68	0.999	396.1	101.3	4.9	396.108	bb	2.154	2.126	NO
PFTrA	9.83	9.82	0.985	273.9	112.9	12.9	273.950	bb	6.574	2.826	YES
FOSA	10.01	10.01	0.995	1153.2	95.12	-4.9	1153.226	bb			
FOSA (M+8)	10.01	10.01	0.996	730.3	100.0	0.0	730.279	bb			
PFTeA	10.37	10.37	0.986	166.3	116.4	16.4	166.329	bb	2.347	3.549	YES
PFTeA (M+2)	10.37	10.36	0.989	129.2	86.02	-14.0	129.204	bb			

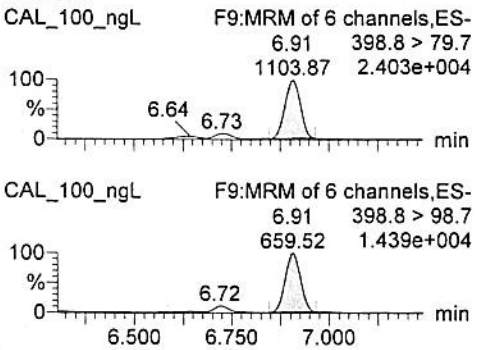
JV 4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:05 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

PFHxS



original
JG 4/24/18
JV 4/25/18

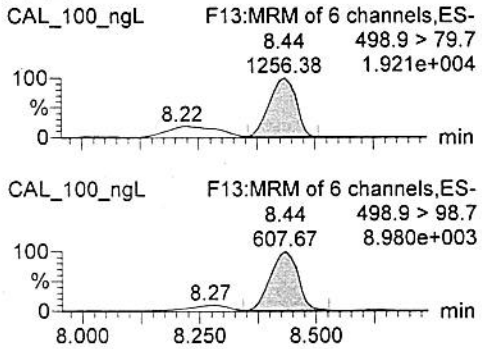
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.91	0.999	1103.9	87.54	-4.0	1103.868	bb	1.693	1.674	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:35 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040116_100ngL, Date: 11-Apr-2018, Time: 09:35:57, Description: CAL_100_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:6

PFOS



original
JG 4/24/18
24/25/18

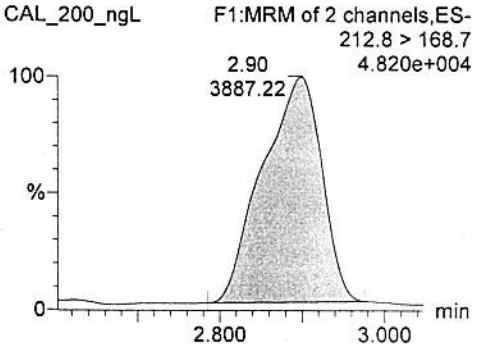
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	1256.4	101.7	9.9	1256.377	db	2.320	2.068	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

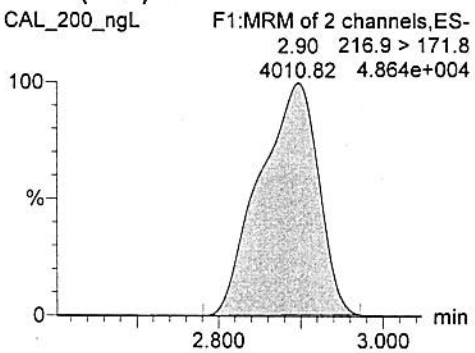
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

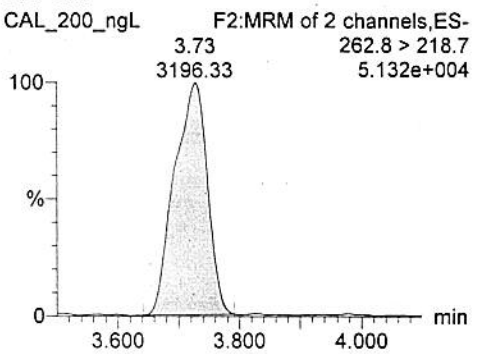
PFBA



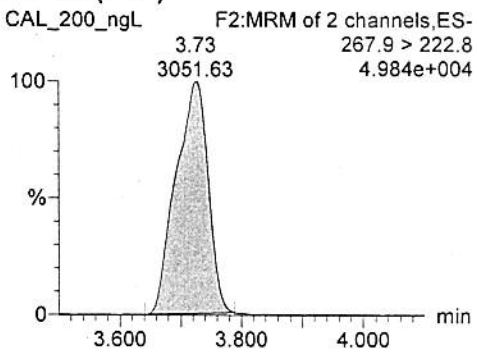
PFBA (M+4)



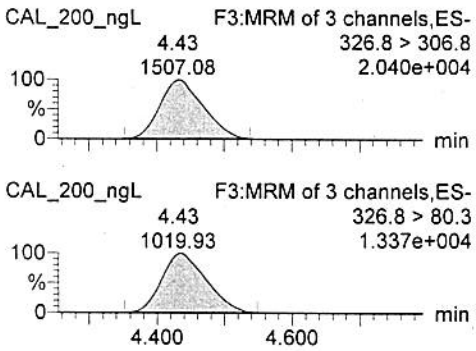
PFPeA



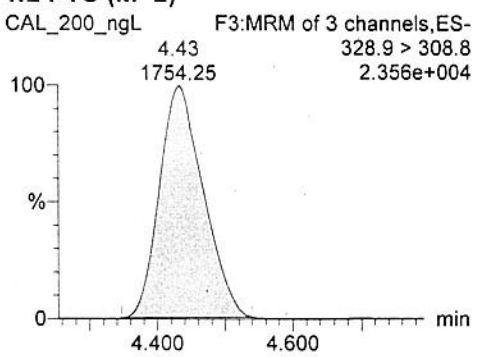
PFPeA (M+5)



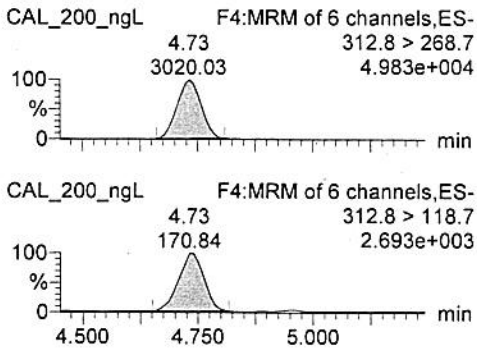
4:2 FTS



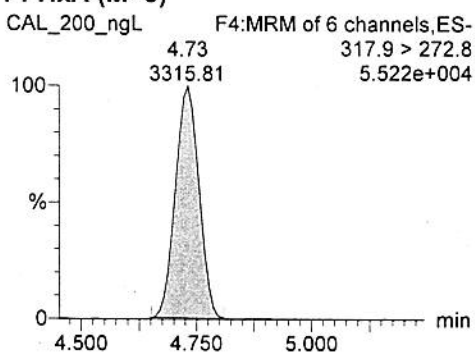
4:2 FTS (M+2)



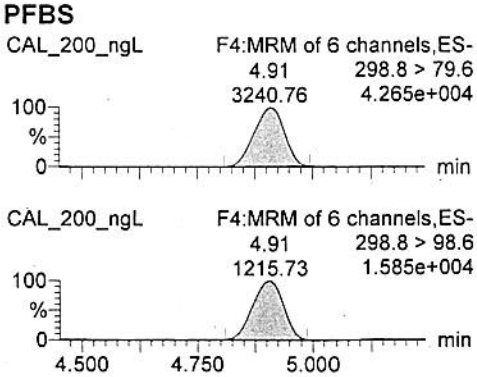
PFHxA



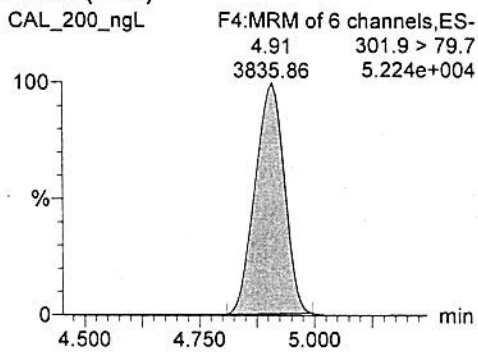
PFHxA (M+5)



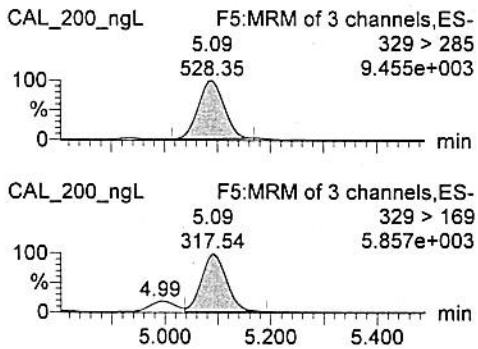
PFBS



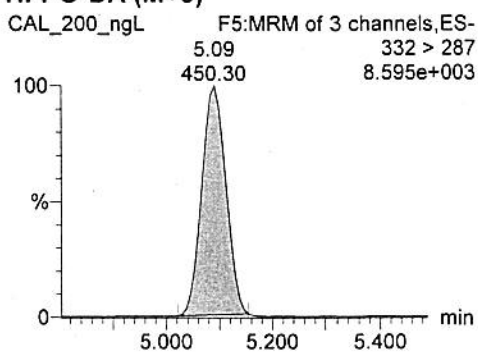
PFBS (M+3)



HFPO-DA



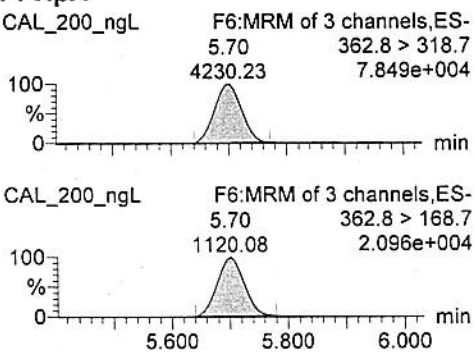
HFPO-DA (M+3)



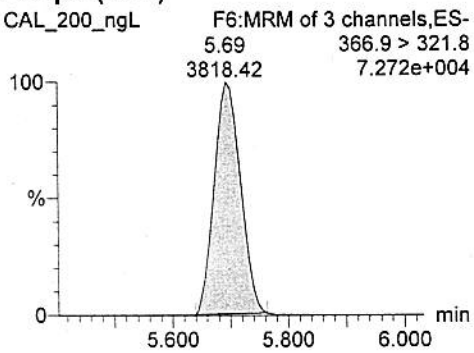
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

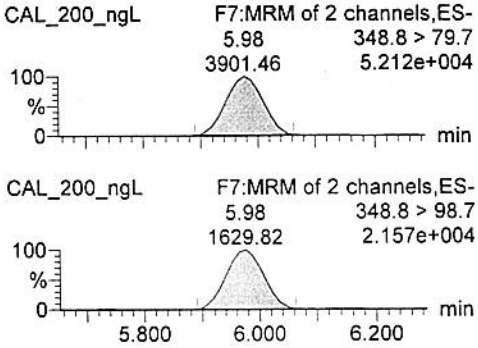
PFHpA



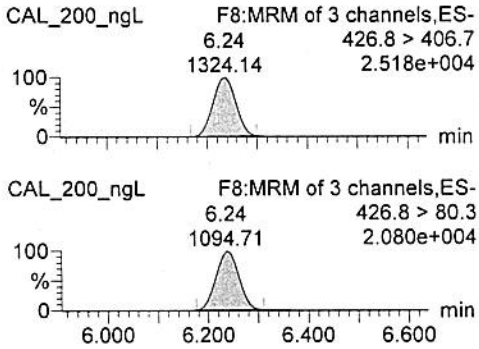
PFHpA (M+4)



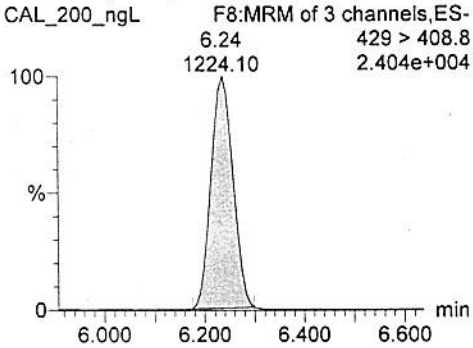
PFPeS



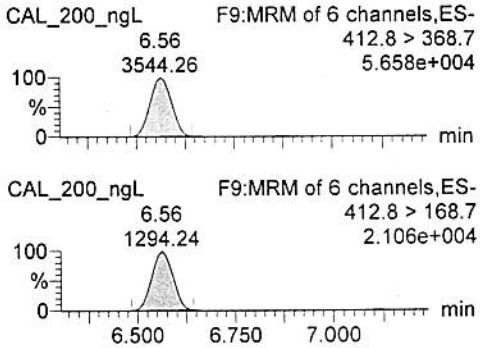
6:2 FTS



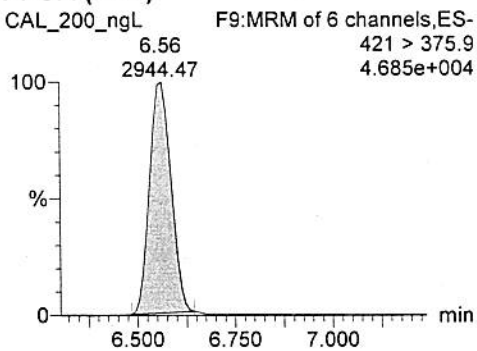
6:2 FTS (M+2)



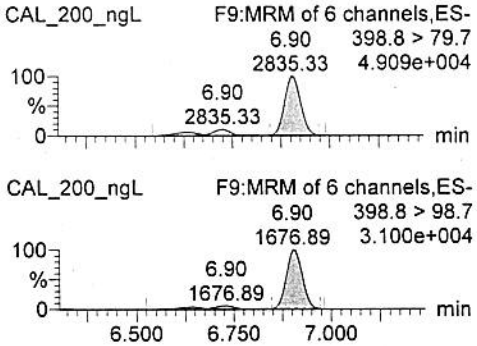
PFOA



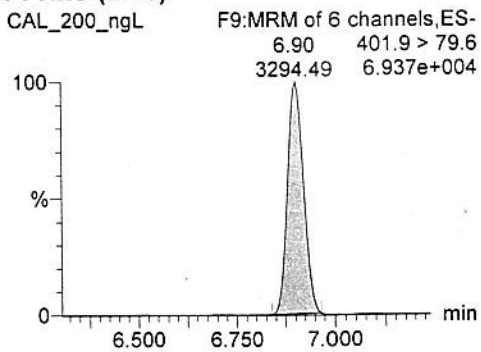
PFOA (M+8)



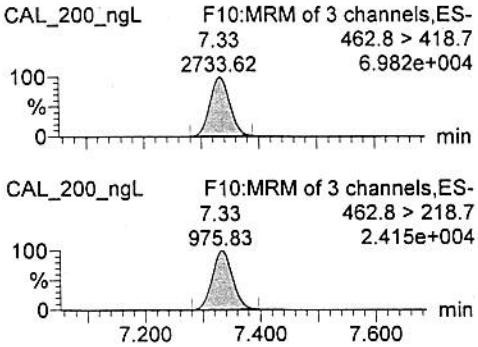
PFHxS



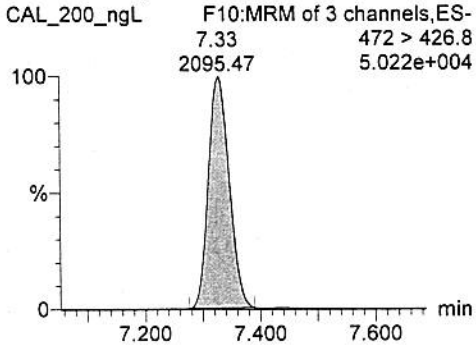
PFHxS (M+3)



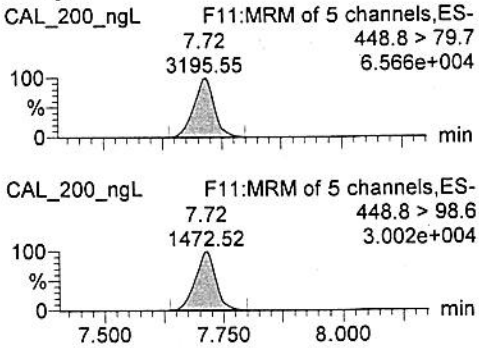
PFNA



PFNA (M+9)



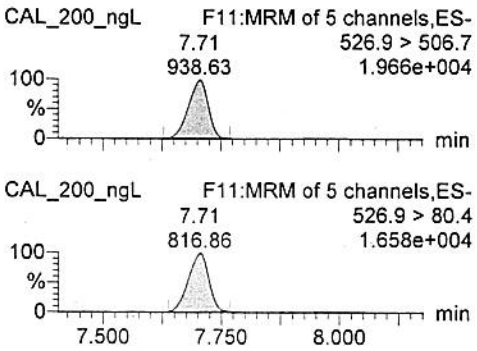
PFHpS



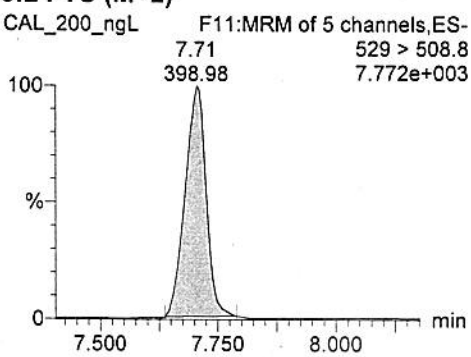
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

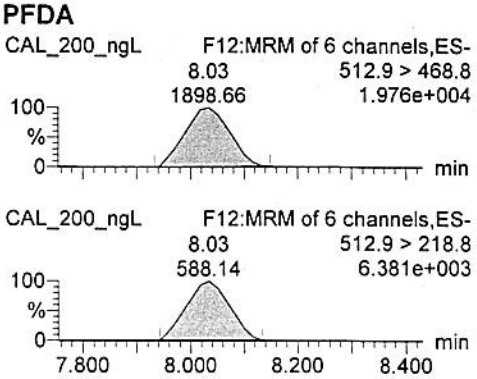
8:2 FTS



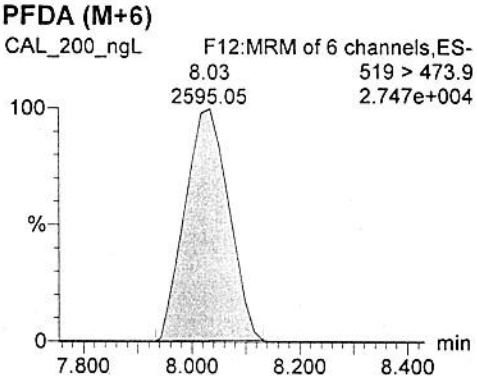
8:2 FTS (M+2)



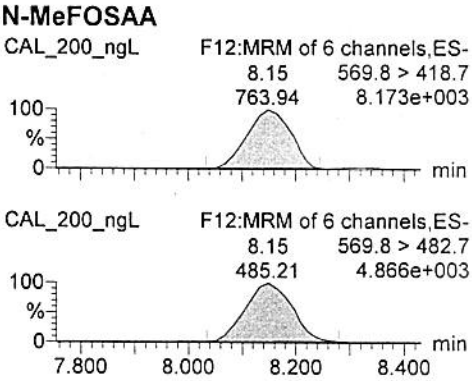
PFDA



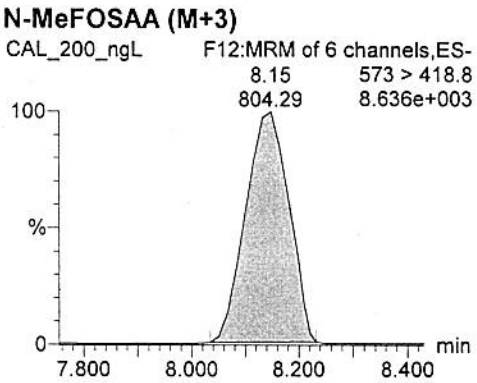
PFDA (M+6)



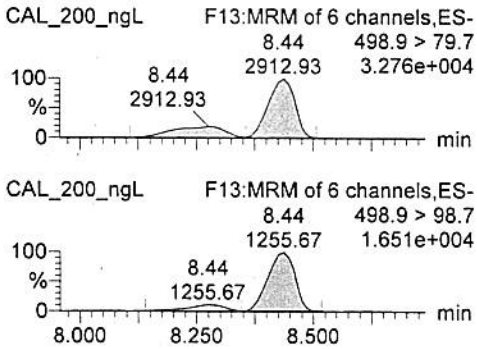
N-MeFOSAA



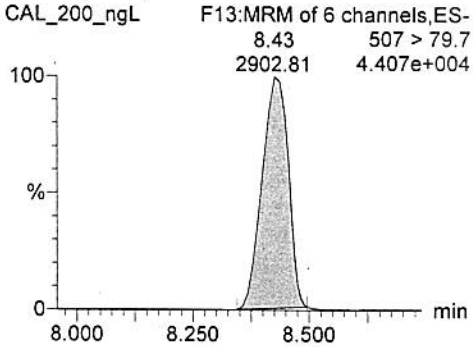
N-MeFOSAA (M+3)



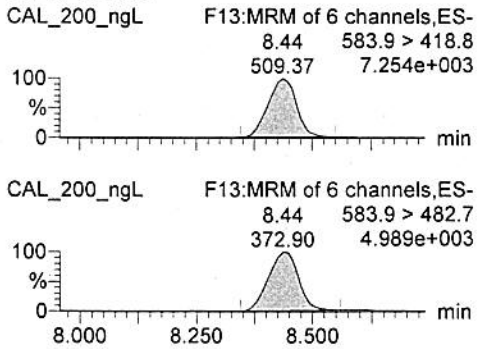
PFOS



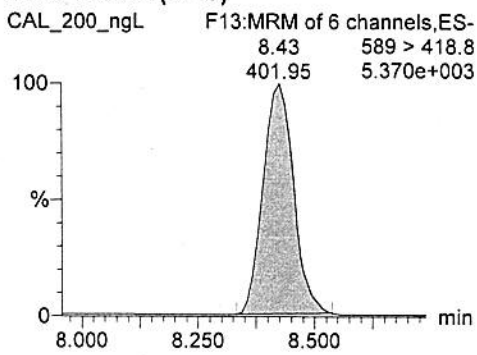
PFOS (M+8)



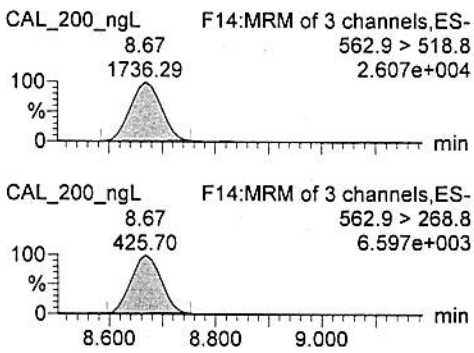
N-EtFOSAA



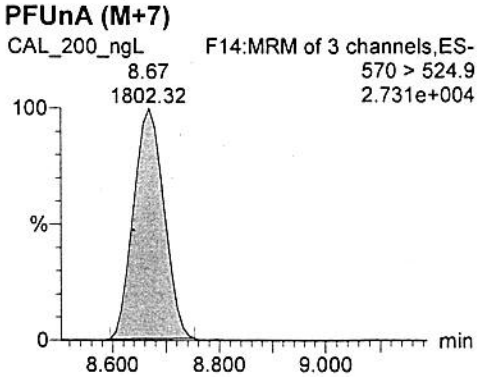
N-EtFOSAA (M+5)



PFUnA



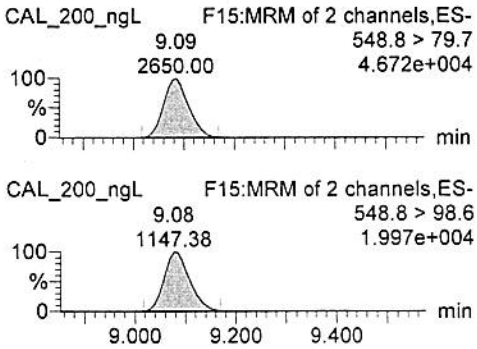
PFUnA (M+7)



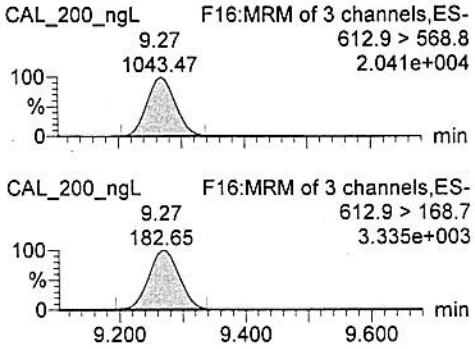
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

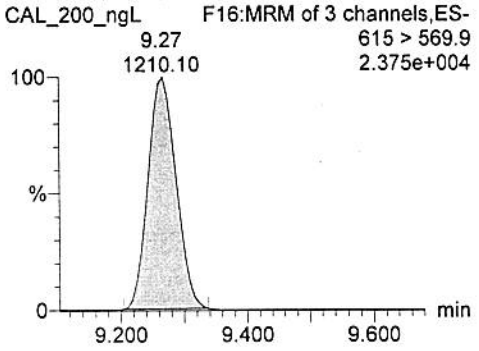
PFNS



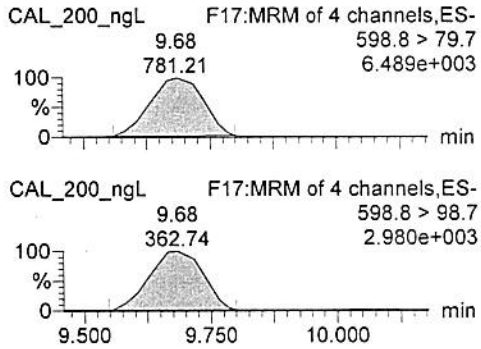
PFDoA



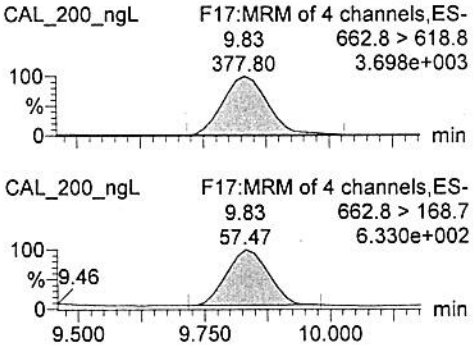
PFDoA (M+2)



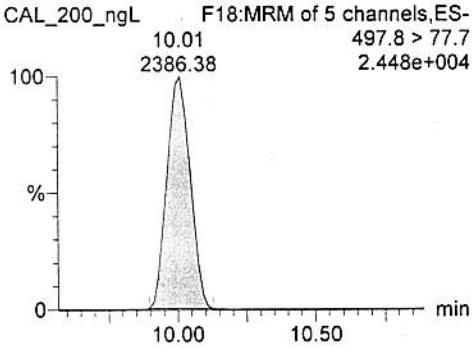
PFDS



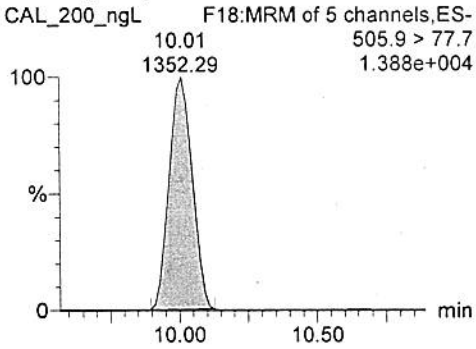
PFTrA



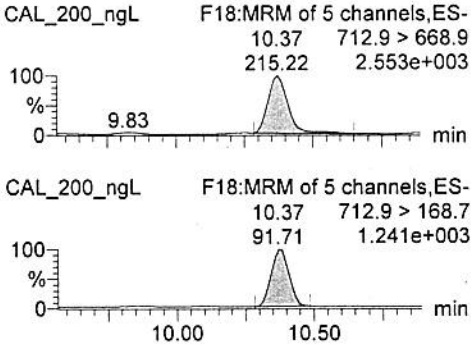
FOSA



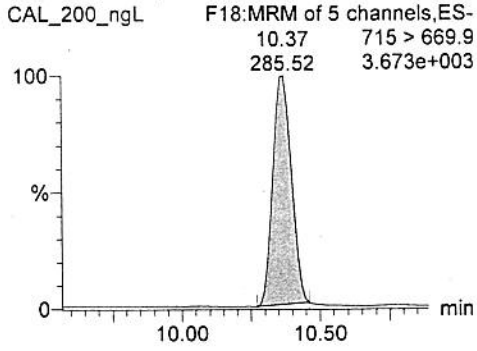
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:52 Eastern Daylight Time

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	3887.2	200.3	0.1	3887.225	bb			
PFBA (M+4)	2.90	2.90	0.998	4010.8	200.6	0.3	4010.822	bb			
PFPeA	3.73	3.73	0.999	3196.3	197.7	-1.1	3196.334	bb			
PFPeA (M+5)	3.73	3.73	0.998	3051.6	195.7	-2.1	3051.634	bb			
4:2 FTS	4.43	4.43	0.998	1507.1	181.0	-3.2	1507.079	bb	1.478	1.478	NO
4:2 FTS (M+2)	4.43	4.43	0.997	1754.2	193.3	3.4	1754.248	bb			
PFHxA	4.73	4.73	0.997	3020.0	201.0	0.5	3020.033	bb	17.678	17.678	NO
PFHxA (M+5)	4.73	4.73	0.998	3315.8	210.3	5.2	3315.806	bb			
PFBS	4.91	4.91	0.998	3240.8	189.4	7.0	3240.759	bb	2.666	2.666	NO
PFBS (M+3)	4.91	4.91	0.998	3835.9	190.0	2.1	3835.860	bb			
HFPO-DA	5.09	5.09	0.984	528.3	195.8	-2.1	528.346	bb	1.664	1.664	NO
HFPO-DA (M+3)	5.09	5.09	0.993	450.3	192.3	-3.8	450.299	bb			
PFHpA	5.70	5.70	0.998	4230.2	196.8	-1.6	4230.228	bb	3.777	3.777	NO
PFHpA (M+4)	5.69	5.69	0.999	3818.4	211.7	5.9	3818.415	bb			
PFPeS	5.98	5.98	0.999	3901.5	191.5	1.9	3901.458	bb	2.394	2.394	NO
6:2 FTS	6.24	6.24	0.998	1324.1	194.8	2.5	1324.139	bb	1.210	1.210	NO
6:2 FTS (M+2)	6.24	6.24	0.998	1224.1	213.0	12.1	1224.101	bb			
PFOA	6.56	6.56	0.998	3544.3	190.2	-4.9	3544.258	bb	2.739	2.739	NO
PFOA (M+8)	6.56	6.56	0.996	2944.5	192.3	-3.8	2944.469	bb			
PFHxS	6.90	6.90	0.999	2835.3	178.1	-2.4	2835.331	MM JG	1.693	1.691	NO
PFHxS (M+3)	6.90	6.90	0.998	3294.5	186.4	-1.4	3294.487	bb 4/24/18			
PFNA	7.33	7.33	0.999	2733.6	195.8	-2.1	2733.619	bb	2.801	2.801	NO
PFNA (M+9)	7.33	7.33	0.999	2095.5	194.8	-2.6	2095.474	bb			
PFHpS	7.72	7.72	0.998	3195.5	185.7	-2.2	3195.547	bb	2.170	2.170	NO
8:2 FTS	7.71	7.71	0.997	938.6	174.7	-1.3	938.633	bb	1.149	1.149	NO
8:2 FTS (M+2)	7.71	7.71	0.997	399.0	158.6	-10.4	398.978	bb			
PFDA	8.03	8.03	0.997	1898.7	198.2	-0.9	1898.664	bb	3.228	3.228	NO
PFDA (M+6)	8.03	8.03	0.976	2595.1	253.3	26.6	2595.053	bb			
N-MeFOSAA	8.15	8.15	0.994	763.9	178.6	-10.7	763.940	bb	1.574	1.574	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	804.3	196.2	-1.9	804.294	bb			
PFOS	8.44	8.44	0.997	2912.9	169.1	-8.6	2912.934	MM JG	2.320	2.320	NO
PFOS (M+8)	8.43	8.43	0.997	2902.8	199.8	4.4	2902.806	bb 4/24/18			
N-EtFOSAA	8.44	8.44	0.994	509.4	181.1	-9.4	509.373	bb	1.366	1.366	NO
N-EtFOSAA (M+5)	8.43	8.43	0.994	402.0	181.5	-9.2	401.954	bb			
PFUnA	8.67	8.67	0.994	1736.3	179.3	-10.4	1736.285	bb	4.079	4.079	NO
PFUnA (M+7)	8.67	8.67	0.998	1802.3	179.6	-10.2	1802.315	bb			
PFNS	9.09	9.09	0.998	2650.0	172.9	-2.3	2649.997	bb	2.310	2.310	NO
PFDoA	9.27	9.27	0.996	1043.5	184.1	-7.9	1043.469	bb	5.713	5.713	NO
PFDoA (M+2)	9.27	9.27	0.996	1210.1	170.1	-15.0	1210.100	bb			
PFDS	9.68	9.68	0.999	781.2	191.7	-0.7	781.213	bb	2.154	2.154	NO
PFTrA	9.83	9.83	0.985	377.8	148.0	-26.0	377.801	bb	6.574	6.574	NO
FOSA	10.01	10.01	0.995	2386.4	188.0	-6.0	2386.383	bb			
FOSA (M+8)	10.01	10.01	0.996	1352.3	179.2	-10.4	1352.293	bb			
PFTeA	10.37	10.37	0.986	215.2	148.3	-25.8	215.225	bb	2.347	2.347	NO
PFTeA (M+2)	10.37	10.37	0.989	285.5	165.9	-17.0	285.524	bb			

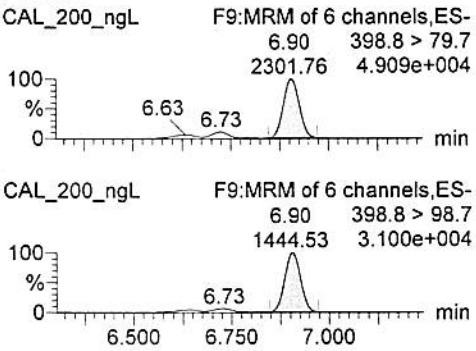
4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:08 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

PFHxS



original
JG 4/24/18
4/25/18

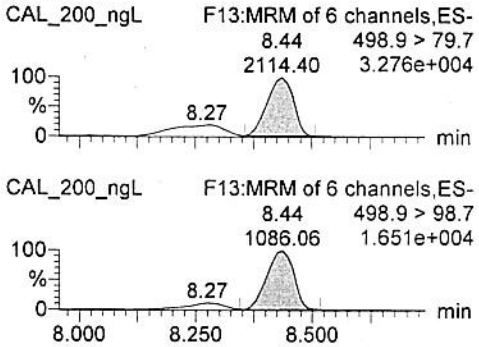
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.90	0.999	2301.8	179.0	-1.9	2301.764	bb	1.693	1.593	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:38 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040117_200ngL, Date: 11-Apr-2018, Time: 09:58:26, Description: CAL_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:7

PFOS



original
JG 4/24/18
4/25/18

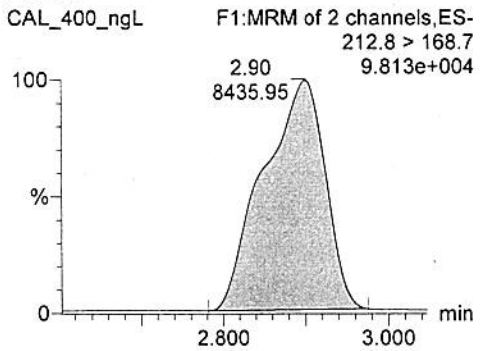
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	2114.4	168.3	-9.1	2114.403	db	2.320	1.947	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:53 Eastern Daylight Time

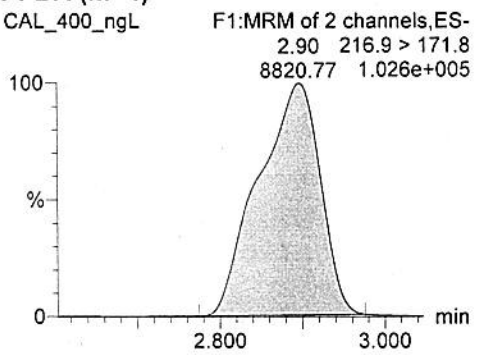
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

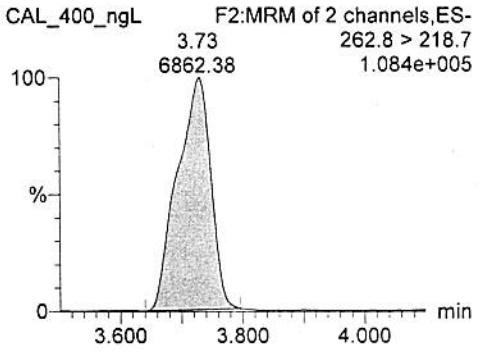
PFBA



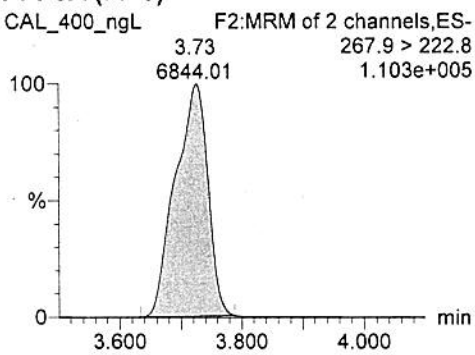
PFBA (M+4)



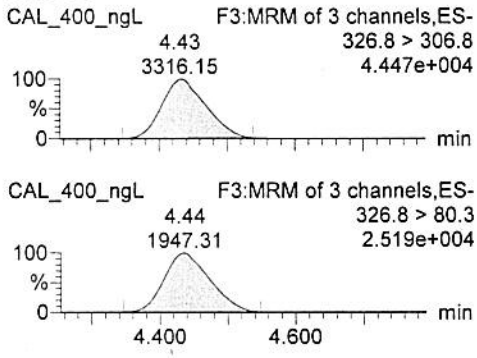
PFPeA



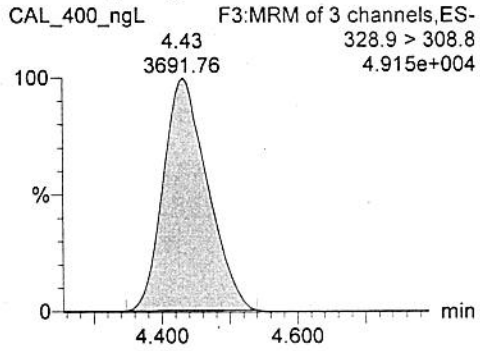
PFPeA (M+5)



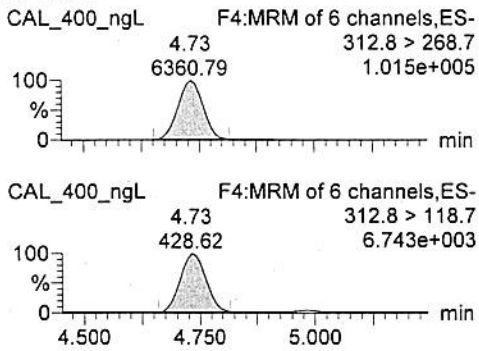
4:2 FTS



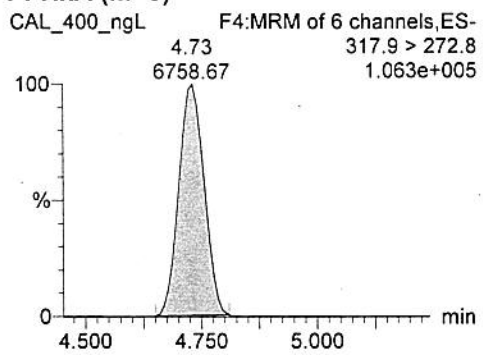
4:2 FTS (M+2)



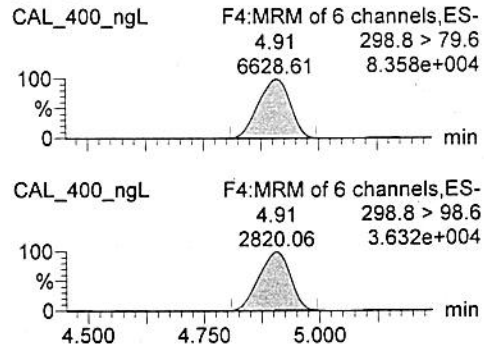
PFHxA



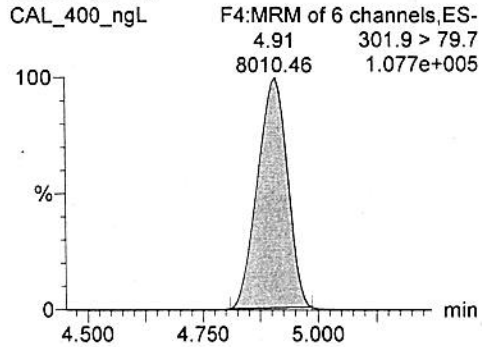
PFHxA (M+5)



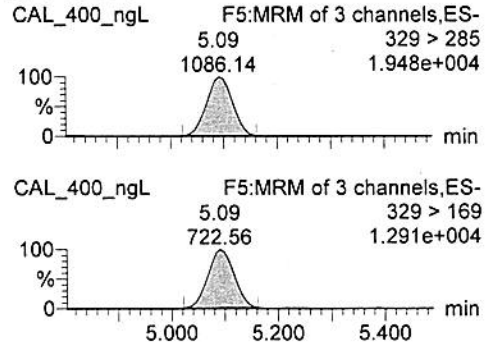
PFBS



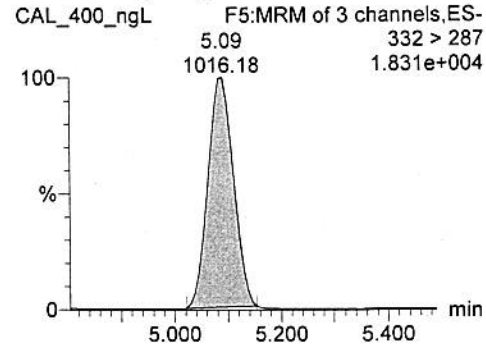
PFBS (M+3)



HFPO-DA



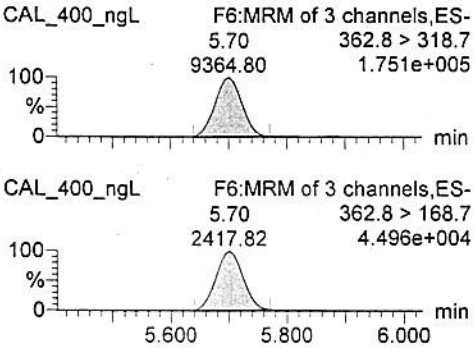
HFPO-DA (M+3)



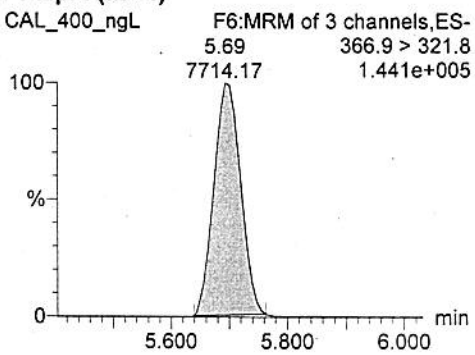
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:53 Eastern Daylight Time

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

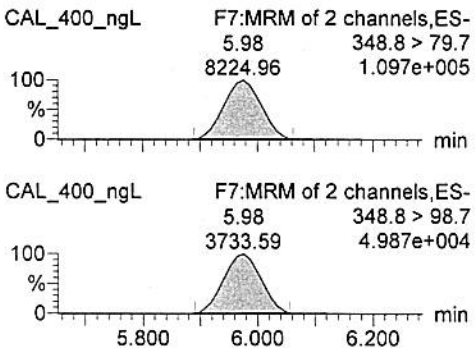
PFHpA



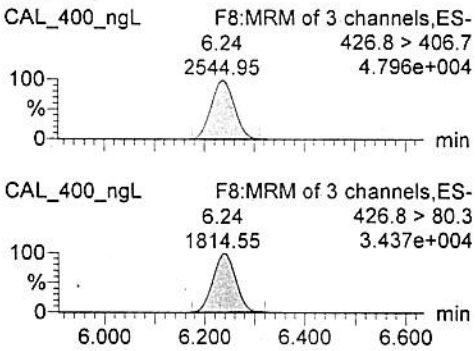
PFHpA (M+4)



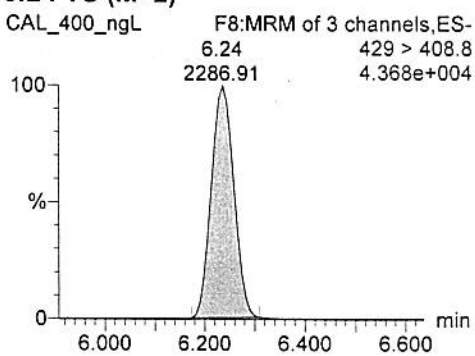
PFPeS



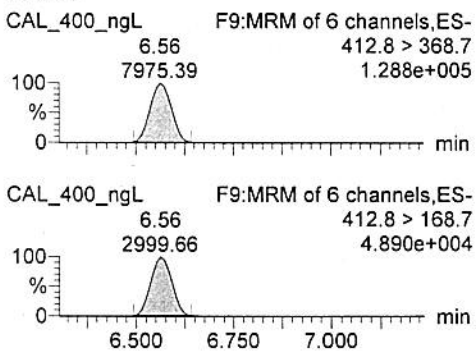
6:2 FTS



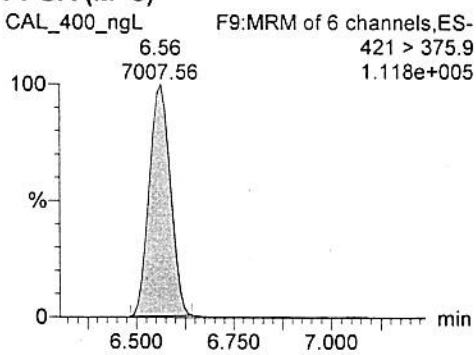
6:2 FTS (M+2)



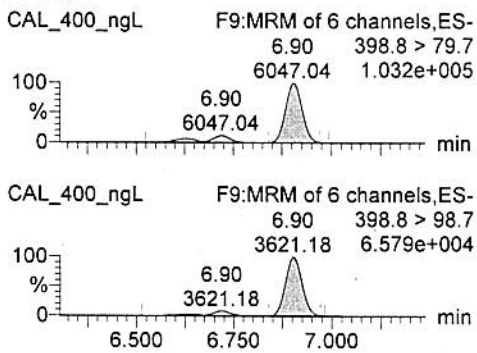
PFOA



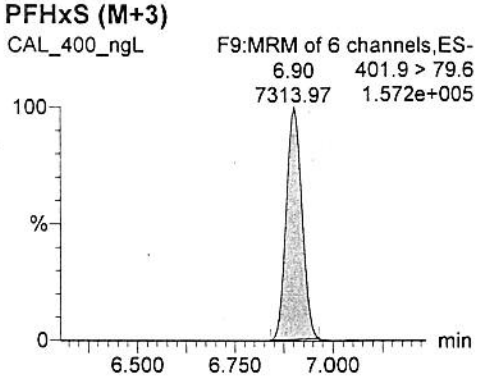
PFOA (M+8)



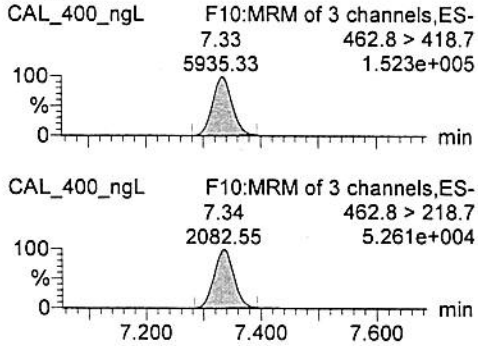
PFHxS



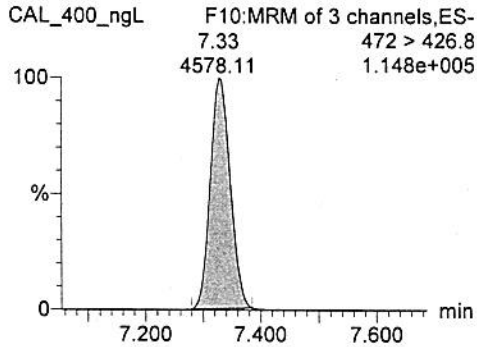
PFHxS (M+3)



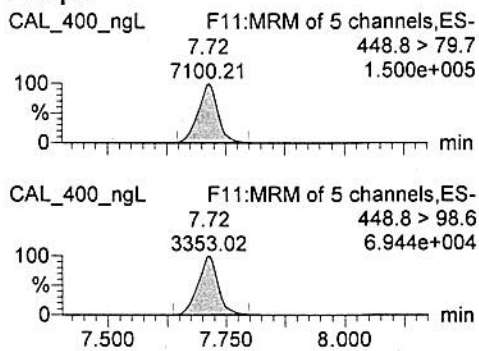
PFNA



PFNA (M+9)



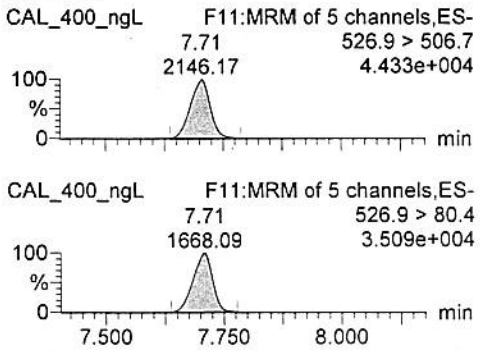
PFHpS



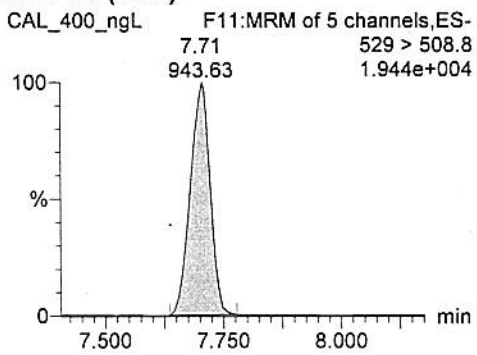
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:53 Eastern Daylight Time

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

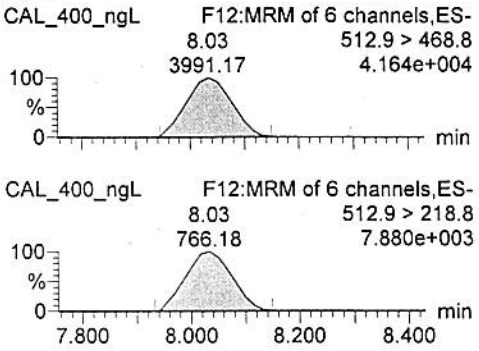
8:2 FTS



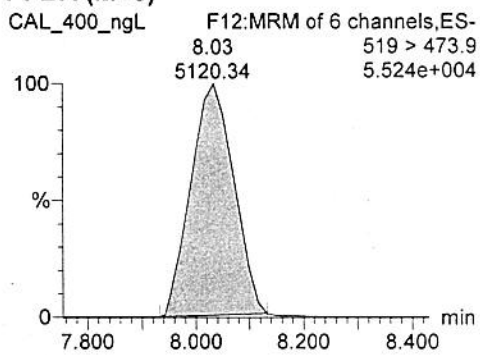
8:2 FTS (M+2)



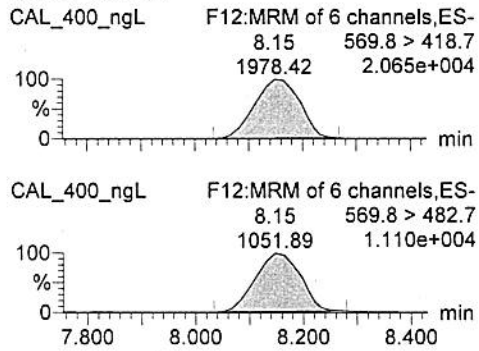
PFDA



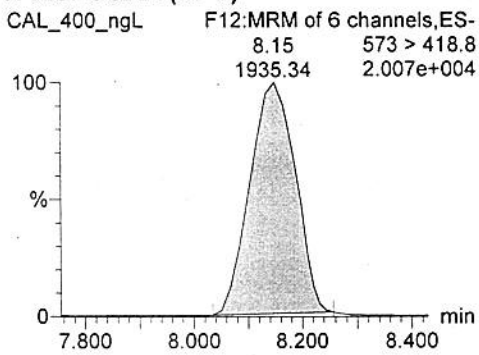
PFDA (M+6)



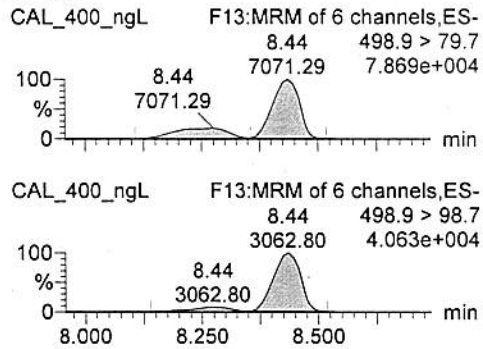
N-MeFOSAA



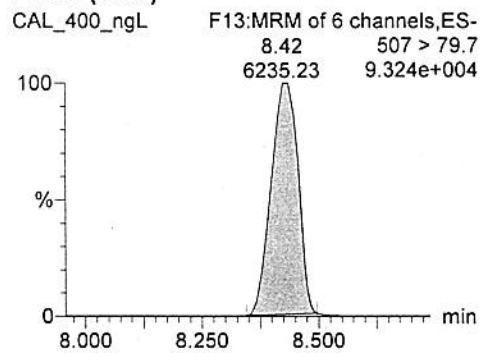
N-MeFOSAA (M+3)



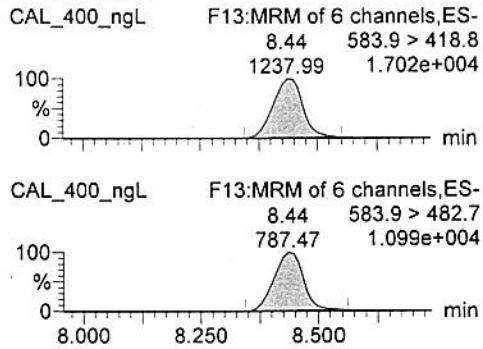
PFOS



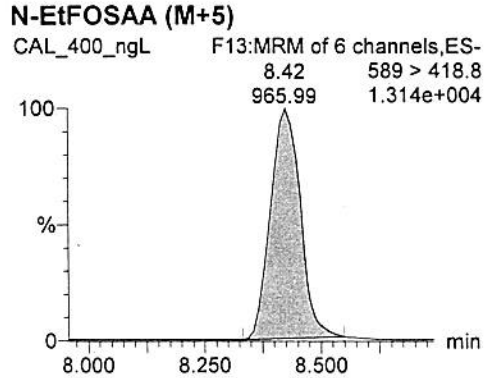
PFOS (M+8)



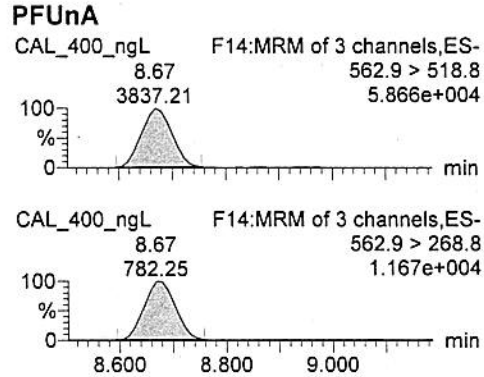
N-EtFOSAA



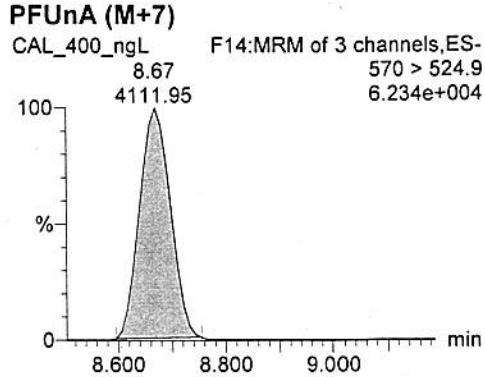
N-EtFOSAA (M+5)



PFUnA



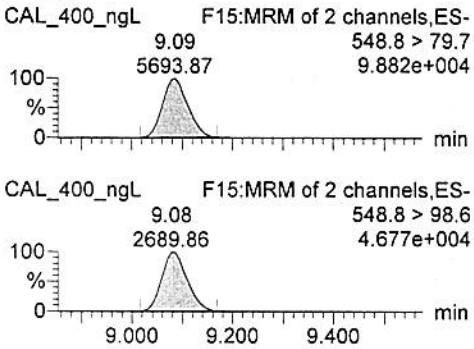
PFUnA (M+7)



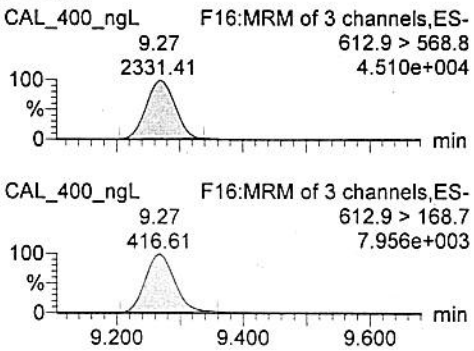
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:53 Eastern Daylight Time

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

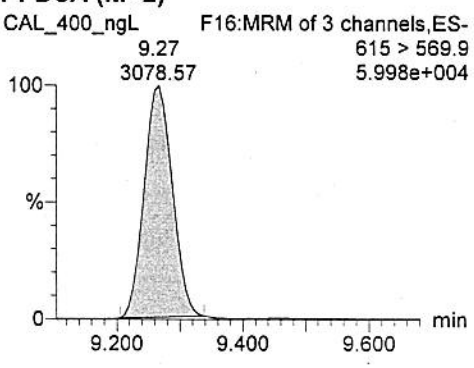
PFNS



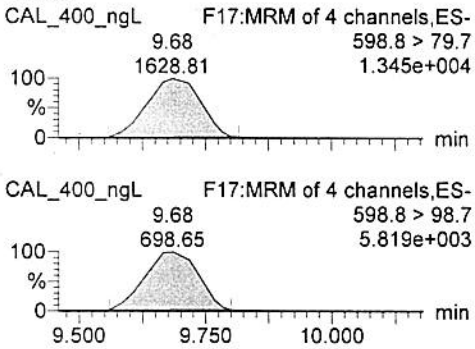
PFDoA



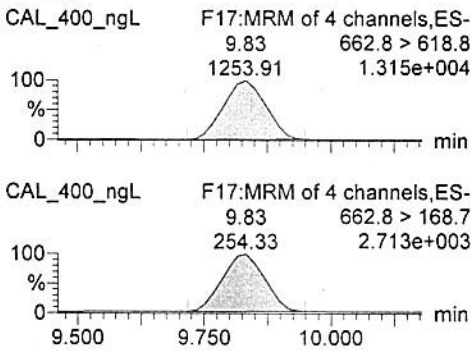
PFDoA (M+2)



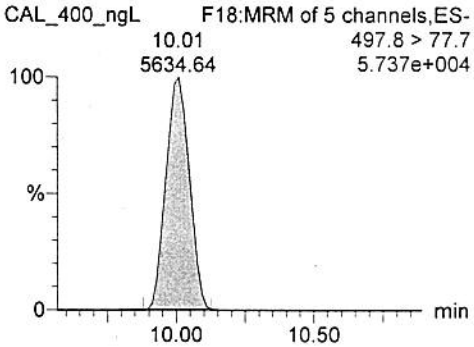
PFDS



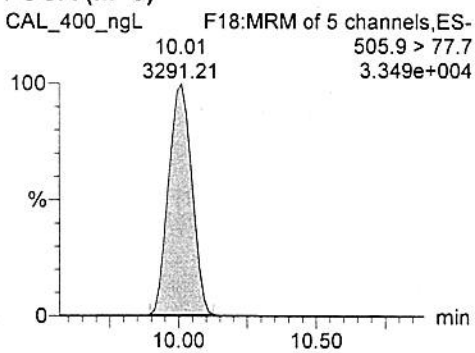
PFTrA



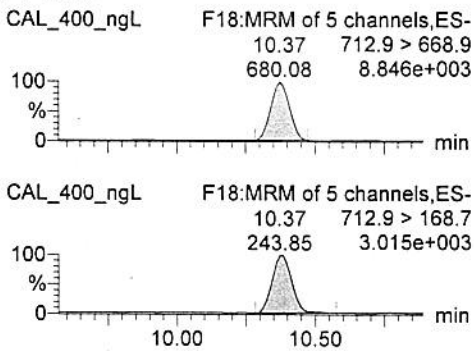
FOSA



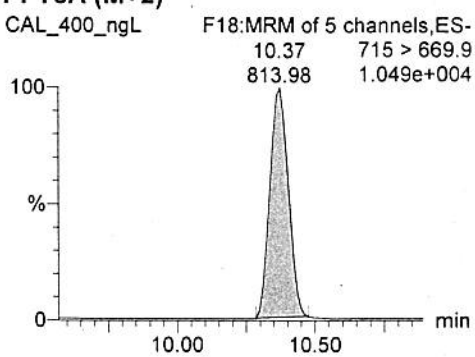
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:53 Eastern Daylight Time

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	8436.0	435.5	8.9	8435.951	bb			
PFBA (M+4)	2.90	2.90	0.998	8820.8	437.5	9.4	8820.773	bb			
PFPeA	3.73	3.73	0.999	6862.4	424.1	6.0	6862.375	bb			
PFPeA (M+5)	3.73	3.73	0.998	6844.0	436.5	9.1	6844.009	bb			
4:2 FTS	4.43	4.43	0.998	3316.2	396.3	6.0	3316.152	bb	1.478	1.703	NO
4:2 FTS (M+2)	4.43	4.43	0.997	3691.8	410.1	9.7	3691.760	bb			
PFHxA	4.73	4.73	0.997	6360.8	415.9	4.0	6360.790	bb	17.678	14.840	NO
PFHxA (M+5)	4.73	4.73	0.998	6758.7	427.3	6.8	6758.665	bb			
PFBS	4.91	4.91	0.998	6628.6	380.4	7.5	6628.606	bb	2.666	2.351	NO
PFBS (M+3)	4.91	4.91	0.998	8010.5	391.4	5.2	8010.456	bb			
HFPO-DA	5.09	5.09	0.984	1086.1	399.3	-0.2	1086.140	bb	1.664	1.503	NO
HFPO-DA (M+3)	5.09	5.09	0.993	1016.2	445.5	11.4	1016.182	bb			
PFHpA	5.70	5.70	0.998	9364.8	434.4	8.6	9364.800	bb	3.777	3.873	NO
PFHpA (M+4)	5.69	5.69	0.999	7714.2	426.1	6.5	7714.172	bb			
PFPeS	5.98	5.98	0.999	8225.0	403.1	7.2	8224.957	bb	2.394	2.203	NO
6:2 FTS	6.24	6.24	0.998	2544.9	409.8	7.8	2544.945	bb	1.210	1.403	NO
6:2 FTS (M+2)	6.24	6.24	0.998	2286.9	398.5	4.9	2286.910	bb			
PFOA	6.56	6.56	0.998	7975.4	431.7	7.9	7975.394	bb	2.739	2.659	NO
PFOA (M+8)	6.56	6.56	0.996	7007.6	454.6	13.7	7007.555	bb			
PFHxS	6.90	6.90	0.999	6047.0	377.1	3.4	6047.037	MM JG	1.693	1.670	NO
PFHxS (M+3)	6.90	6.90	0.998	7314.0	416.2	10.1	7313.968	bb 4/24/18			
PFNA	7.33	7.33	0.999	5935.3	423.5	5.9	5935.328	bb	2.801	2.850	NO
PFNA (M+9)	7.33	7.33	0.999	4578.1	421.9	5.5	4578.112	bb			
PFHpS	7.72	7.72	0.998	7100.2	411.3	8.2	7100.213	bb	2.170	2.118	NO
8:2 FTS	7.71	7.71	0.997	2146.2	393.9	11.3	2146.165	bb	1.149	1.287	NO
8:2 FTS (M+2)	7.71	7.71	0.997	943.6	366.3	3.5	943.631	bb			
PFDA	8.03	8.03	0.997	3991.2	417.2	4.3	3991.172	bb	3.228	5.209	YES
PFDA (M+6)	8.03	8.03	0.976	5120.3	500.4	25.1	5120.342	bb			
N-MeFOSAA	8.15	8.15	0.994	1978.4	443.8	10.9	1978.421	bb	1.574	1.881	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	1935.3	421.6	5.4	1935.337	bb			
PFOS	8.44	8.44	0.997	7071.3	405.2	9.5	7071.287	MM JG	2.320	2.309	NO
PFOS (M+8)	8.43	8.42	0.997	6235.2	429.7	12.2	6235.230	bb 4/24/18			
N-EtFOSAA	8.44	8.44	0.994	1238.0	420.9	5.2	1237.987	bb	1.366	1.572	NO
N-EtFOSAA (M+5)	8.43	8.42	0.994	966.0	417.5	4.4	965.992	bb			
PFUnA	8.67	8.67	0.994	3837.2	385.6	-3.6	3837.212	bb	4.079	4.905	NO
PFUnA (M+7)	8.67	8.67	0.998	4111.9	401.2	0.3	4111.948	bb			
PFNS	9.09	9.09	0.998	5693.9	367.9	3.9	5693.866	bb	2.310	2.117	NO
PFDoA	9.27	9.27	0.996	2331.4	398.9	-0.3	2331.407	bb	5.713	5.596	NO
PFDoA (M+2)	9.27	9.27	0.996	3078.6	422.0	5.5	3078.573	bb			
PFDS	9.68	9.68	0.999	1628.8	390.7	1.2	1628.808	bb	2.154	2.331	NO
PFTrA	9.83	9.83	0.985	1253.9	444.0	11.0	1253.909	bb	6.574	4.930	NO
FOSA	10.01	10.01	0.995	5634.6	432.5	8.1	5634.635	bb			
FOSA (M+8)	10.01	10.01	0.996	3291.2	426.1	6.5	3291.214	bb			
PFTeA	10.37	10.37	0.986	680.1	451.2	12.8	680.080	bb	2.347	2.789	NO
PFTeA (M+2)	10.37	10.37	0.989	814.0	436.0	9.0	813.983	bb			

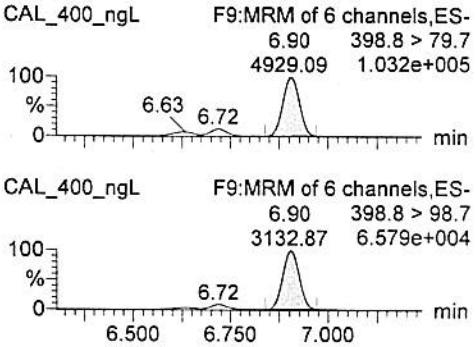
2/4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:10 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

PFHxS



original
JG 4/24/18
4/25/18

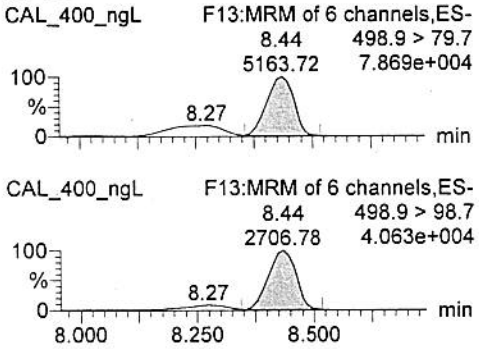
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.90	0.999	4929.1	379.6	4.1	4929.090	bb	1.693	1.573	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:41 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040118_400ngL, Date: 11-Apr-2018, Time: 10:20:58, Description: CAL_400_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:8

PFOS



original
JG 4/24/18
24/25/18

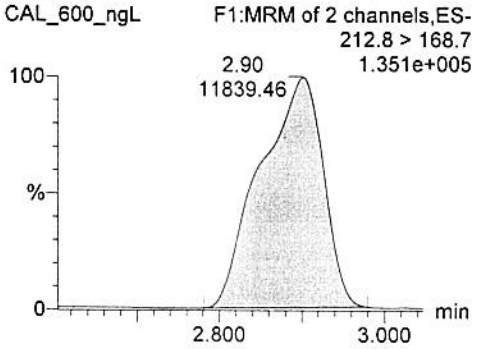
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	5163.7	404.9	9.4	5163.722	db	2.320	1.908	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

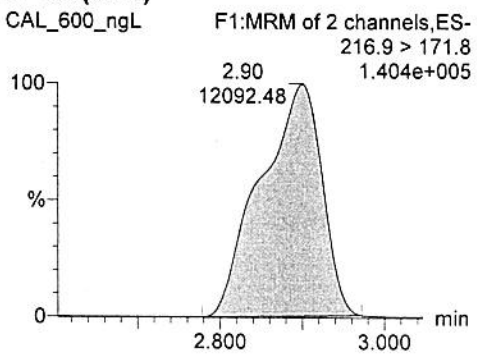
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

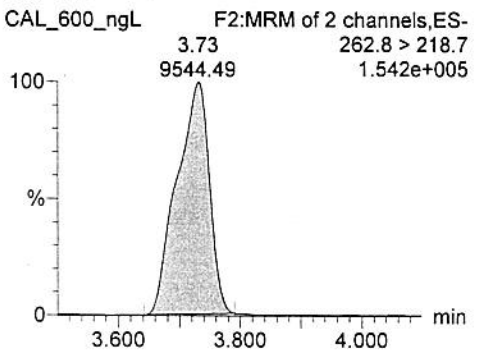
PFBA



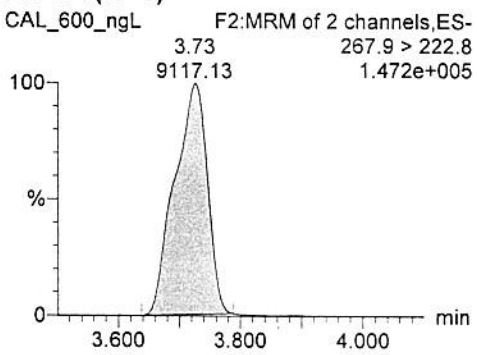
PFBA (M+4)



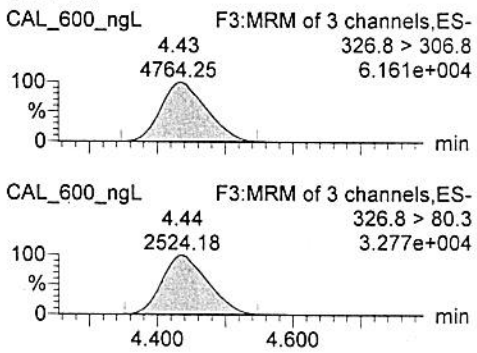
PFPeA



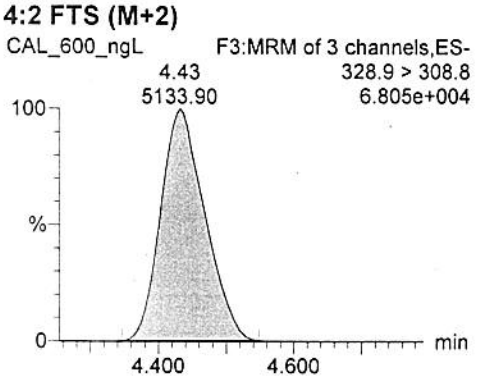
PFPeA (M+5)



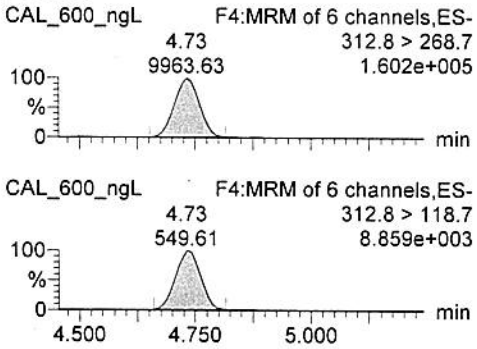
4:2 FTS



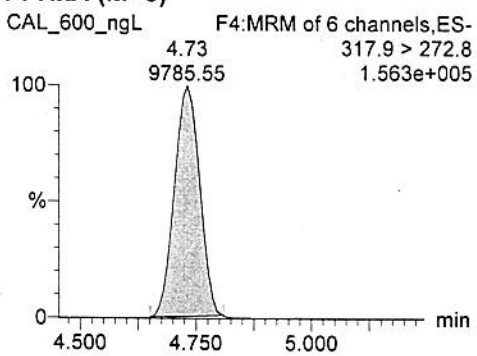
4:2 FTS (M+2)



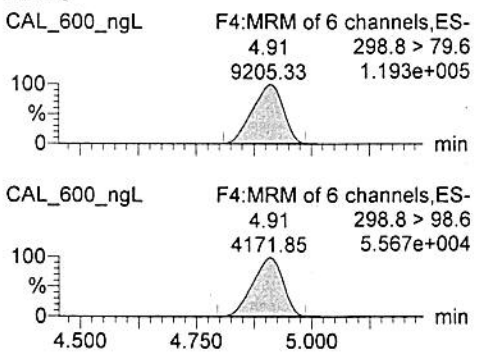
PFHxA



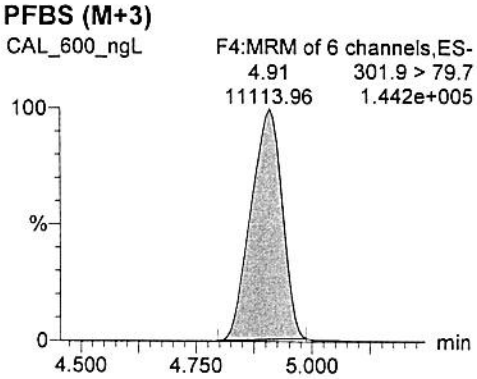
PFHxA (M+5)



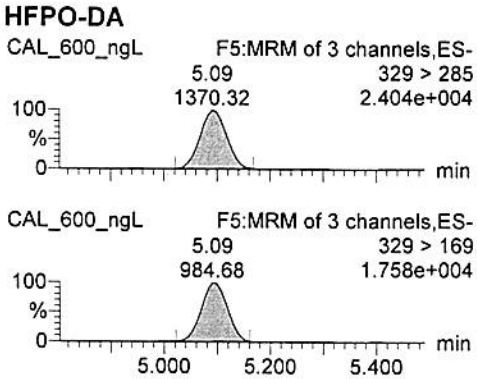
PFBS



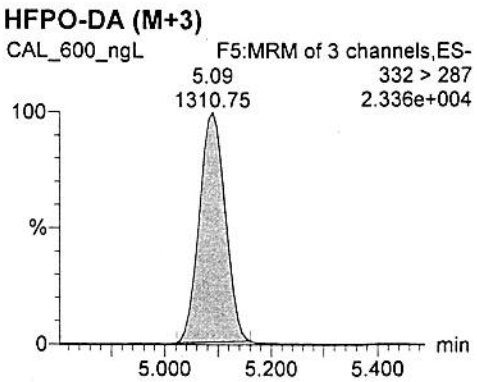
PFBS (M+3)



HFPO-DA



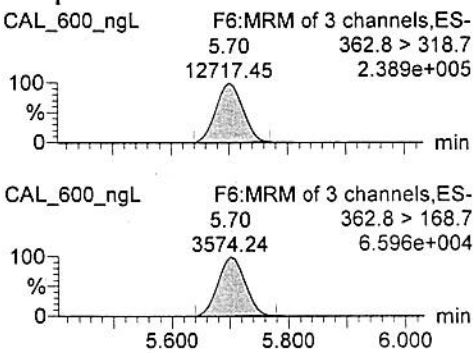
HFPO-DA (M+3)



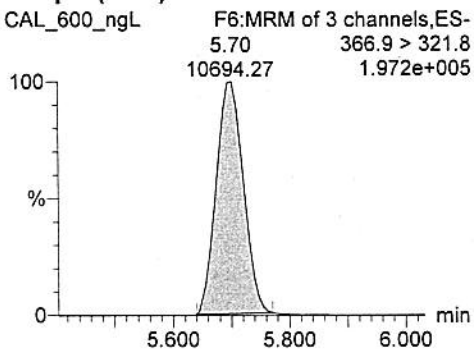
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

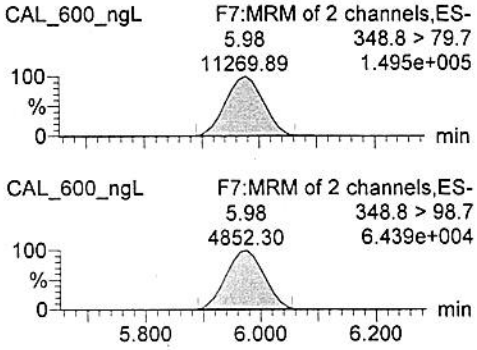
PFHpA



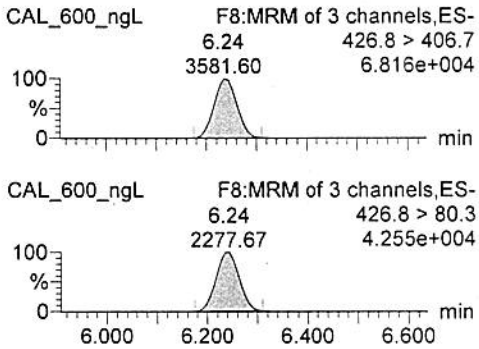
PFHpA (M+4)



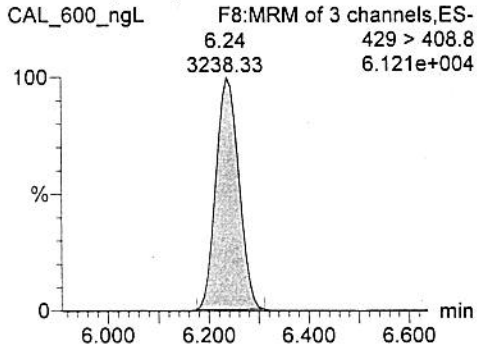
PFPeS



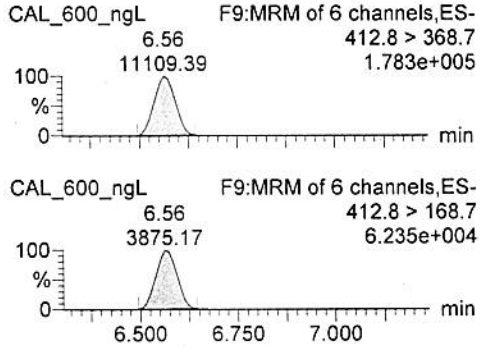
6:2 FTS



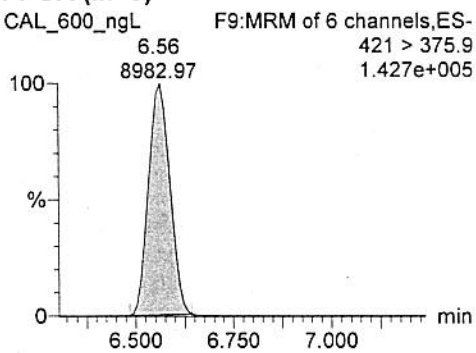
6:2 FTS (M+2)



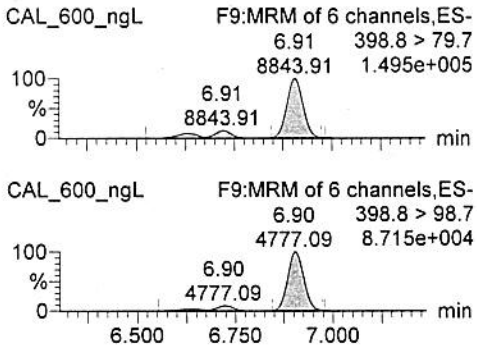
PFOA



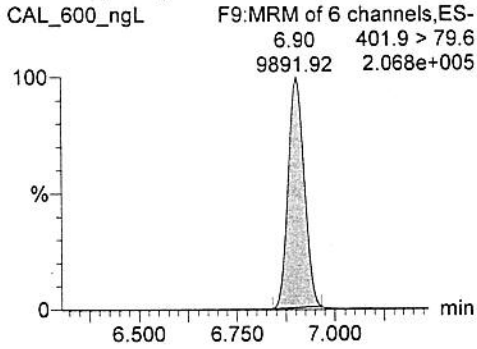
PFOA (M+8)



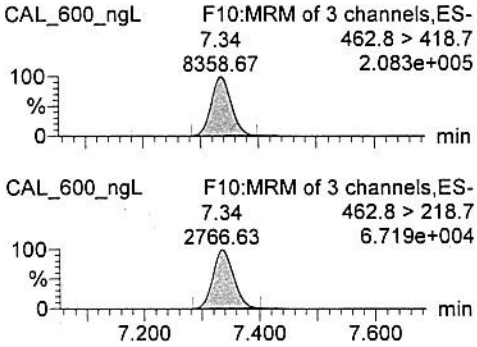
PFHxS



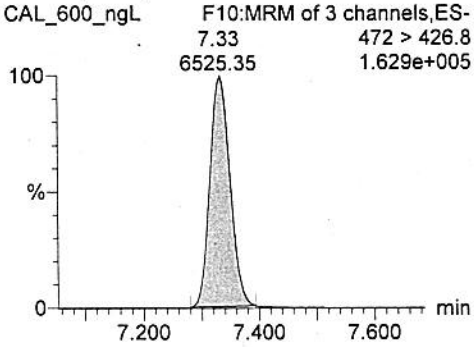
PFHxS (M+3)



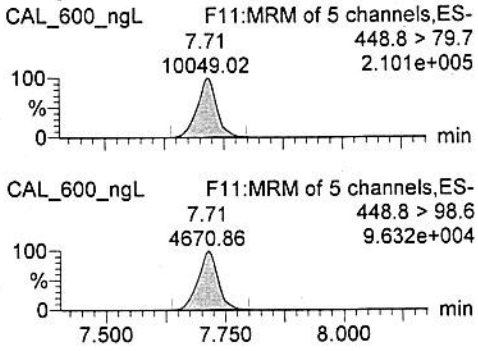
PFNA



PFNA (M+9)



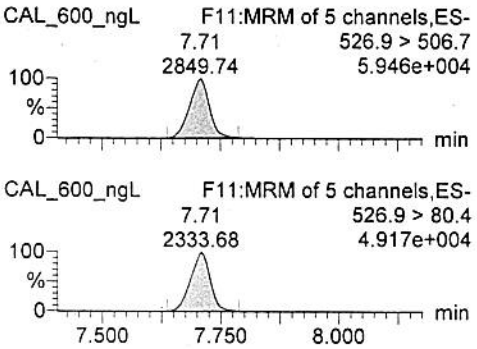
PFHpS



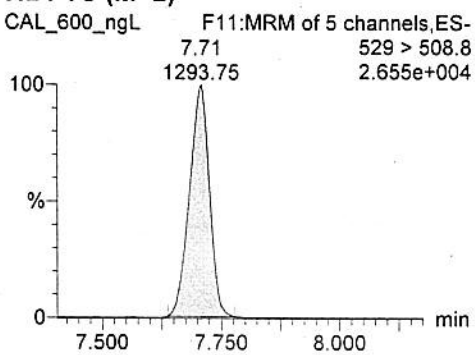
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

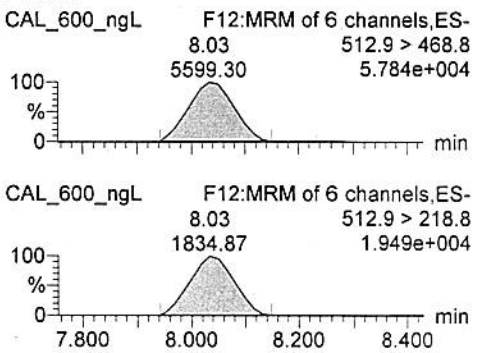
8:2 FTS



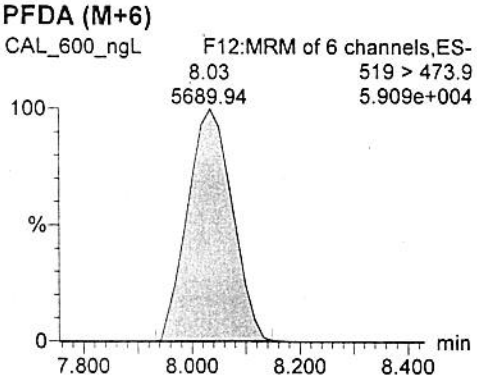
8:2 FTS (M+2)



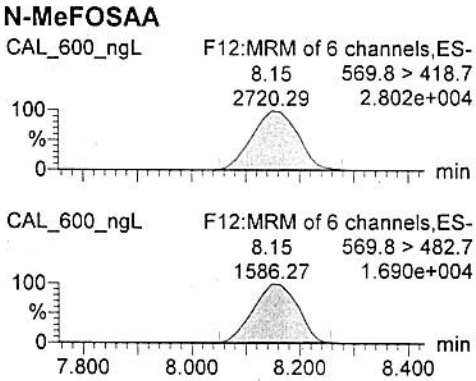
PFDA



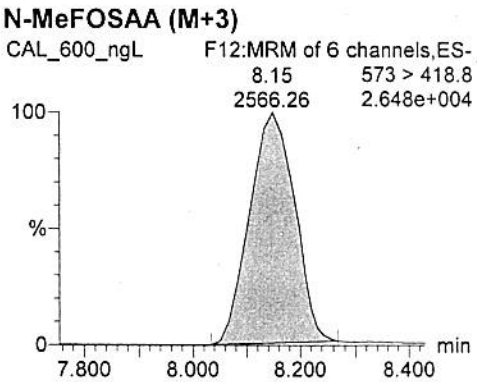
PFDA (M+6)



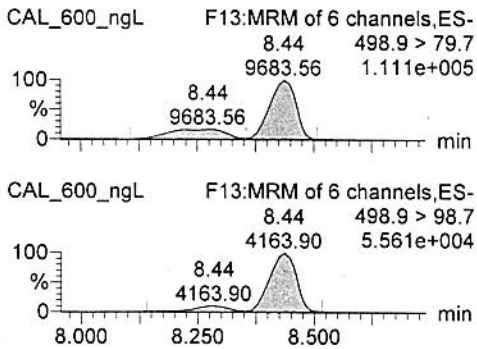
N-MeFOSAA



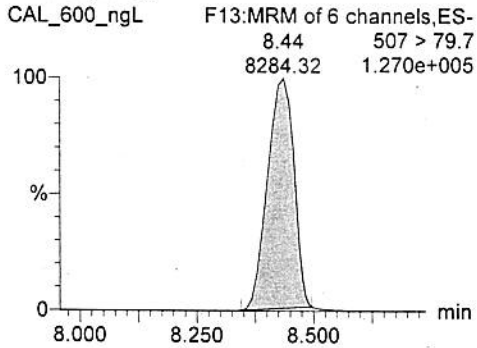
N-MeFOSAA (M+3)



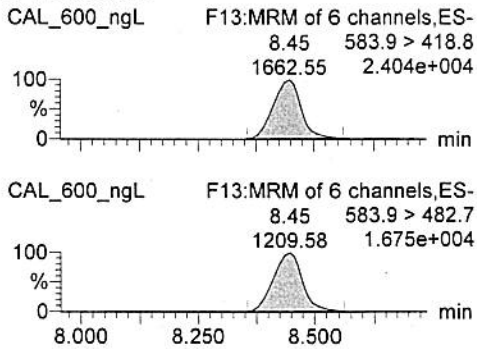
PFOS



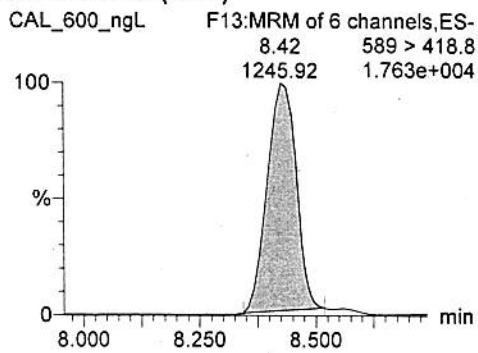
PFOS (M+8)



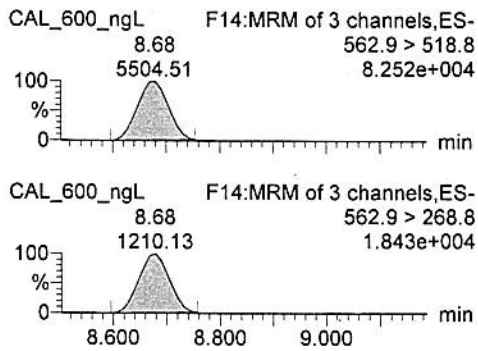
N-EtFOSAA



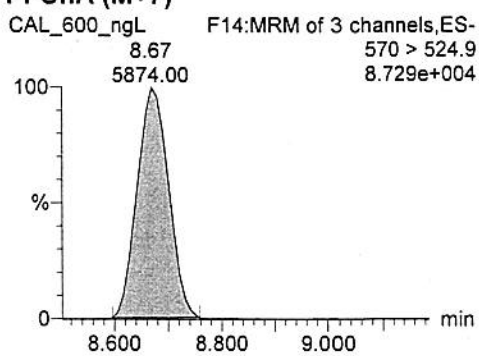
N-EtFOSAA (M+5)



PFUnA



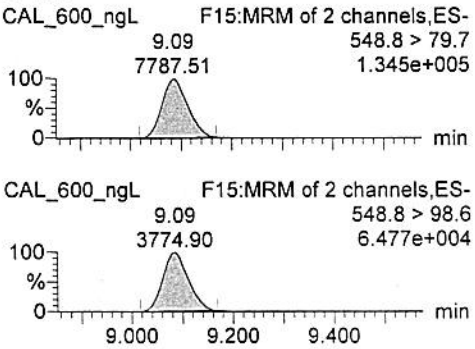
PFUnA (M+7)



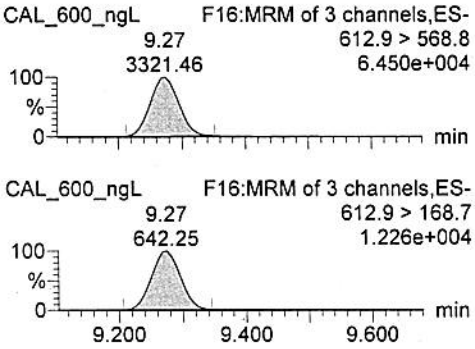
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

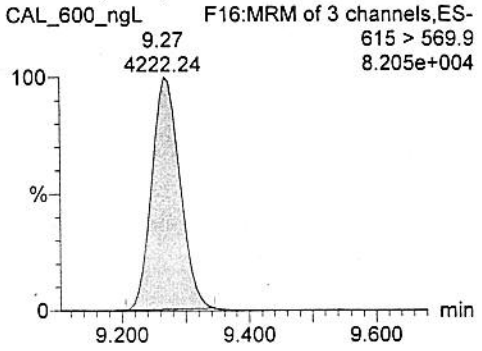
PFNS



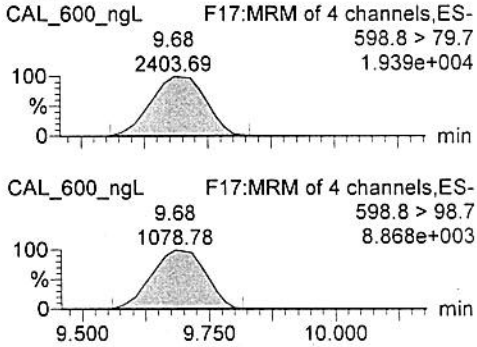
PFDoA



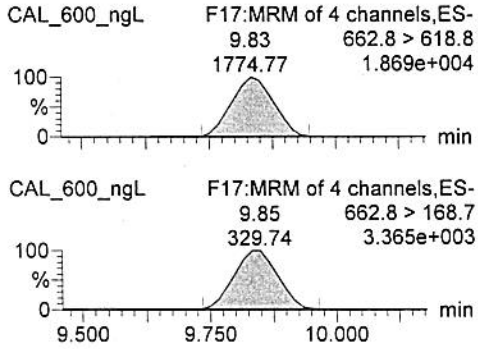
PFDoA (M+2)



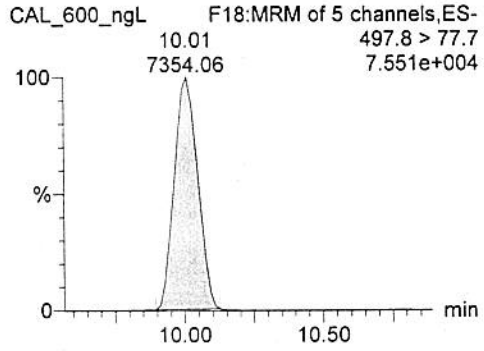
PFDS



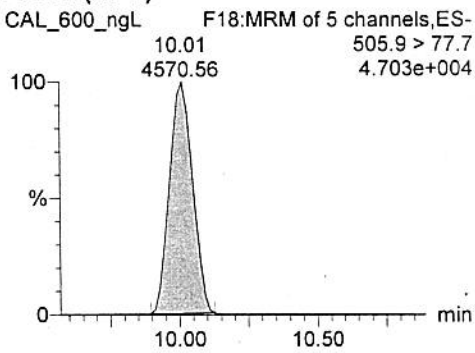
PFTrA



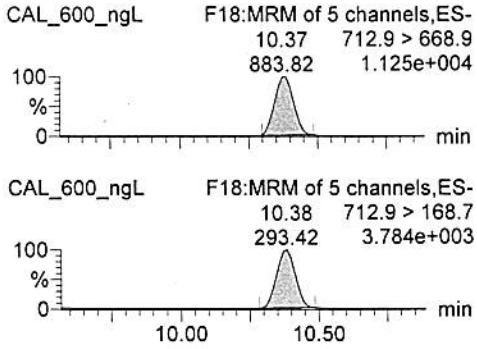
FOSA



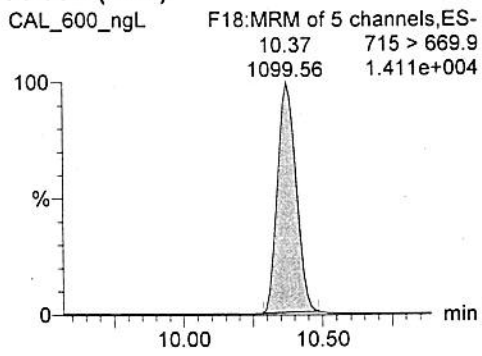
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
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Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	11839.5	611.4	1.9	11839.456	bb			
PFBA (M+4)	2.90	2.90	0.998	12092.5	598.7	-0.2	12092.475	bb			
PFPeA	3.73	3.73	0.999	9544.5	589.8	-1.7	9544.489	bb			
PFPeA (M+5)	3.73	3.73	0.998	9117.1	580.8	-3.2	9117.125	bb			
4:2 FTS	4.43	4.43	0.998	4764.2	568.7	1.4	4764.248	bb	1.478	1.887	NO
4:2 FTS (M+2)	4.43	4.43	0.997	5133.9	571.5	1.9	5133.897	bb			
PFHxA	4.73	4.73	0.997	9963.6	647.8	8.0	9963.631	bb	17.678	18.128	NO
PFHxA (M+5)	4.73	4.73	0.998	9785.5	618.1	3.0	9785.547	bb			
PFBS	4.91	4.91	0.998	9205.3	525.7	-1.0	9205.332	bb	2.666	2.207	NO
PFBS (M+3)	4.91	4.91	0.998	11114.0	541.2	-3.0	11113.957	bb			
HFPO-DA	5.09	5.09	0.984	1370.3	502.9	-16.2	1370.321	bbX	1.664	1.392	NO
HFPO-DA (M+3)	5.09	5.09	0.993	1310.7	577.3	-3.8	1310.748	bb			
PFHpA	5.70	5.70	0.998	12717.4	589.5	-1.8	12717.446	bb	3.777	3.558	NO
PFHpA (M+4)	5.69	5.70	0.999	10694.3	590.1	-1.7	10694.266	bb			
PFPeS	5.98	5.98	0.999	11269.9	552.1	-2.1	11269.888	bb	2.394	2.323	NO
6:2 FTS	6.24	6.24	0.998	3581.6	592.3	3.9	3581.599	bb	1.210	1.572	NO
6:2 FTS (M+2)	6.24	6.24	0.998	3238.3	564.7	-0.9	3238.330	bb			
PFOA	6.56	6.56	0.998	11109.4	602.5	0.4	11109.385	bb	2.739	2.867	NO
PFOA (M+8)	6.56	6.56	0.996	8983.0	582.1	-3.0	8982.973	bb			
PFHxS	6.90	6.91	0.999	8843.9	550.4	0.6	8843.911	MM JG	1.693	1.851	NO
PFHxS (M+3)	6.90	6.90	0.998	9891.9	563.6	-0.6	9891.918	bb 4/24/18			
PFNA	7.33	7.34	0.999	8358.7	595.9	-0.7	8358.666	bb	2.801	3.021	NO
PFNA (M+9)	7.33	7.33	0.999	6525.4	600.1	0.0	6525.350	bb			
PFHpS	7.72	7.71	0.998	10049.0	581.7	2.1	10049.017	bb	2.170	2.151	NO
8:2 FTS	7.71	7.71	0.997	2849.7	521.7	-1.8	2849.738	bb	1.149	1.221	NO
8:2 FTS (M+2)	7.71	7.71	0.997	1293.7	499.8	-5.9	1293.746	bb			
PFDA	8.03	8.03	0.997	5599.3	585.5	-2.4	5599.297	bb	3.228	3.052	NO
PFDA (M+6)	8.03	8.03	0.976	5689.9	556.2	-7.3	5689.938	bb			
N-MeFOSAA	8.15	8.15	0.994	2720.3	605.8	1.0	2720.286	bb	1.574	1.715	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	2566.3	547.3	-8.8	2566.264	bb			
PFOS	8.44	8.44	0.997	9683.6	553.5	-0.3	9683.559	MM JG	2.320	2.326	NO
PFOS (M+8)	8.43	8.44	0.997	8284.3	571.0	-0.6	8284.320	bb 4/24/18			
N-EtFOSAA	8.44	8.45	0.994	1662.6	560.7	-6.6	1662.553	bb	1.366	1.375	NO
N-EtFOSAA (M+5)	8.43	8.42	0.994	1245.9	534.6	-10.9	1245.918	bb			
PFUnA	8.67	8.68	0.994	5504.5	549.3	-8.5	5504.511	bb	4.079	4.549	NO
PFUnA (M+7)	8.67	8.67	0.998	5874.0	570.3	-4.9	5873.999	bb			
PFNS	9.09	9.09	0.998	7787.5	502.1	-5.4	7787.506	bb	2.310	2.063	NO
PFDoA	9.27	9.27	0.996	3321.5	564.1	-6.0	3321.464	bb	5.713	5.172	NO
PFDoA (M+2)	9.27	9.27	0.996	4222.2	576.2	-4.0	4222.236	bb			
PFDS	9.68	9.68	0.999	2403.7	572.6	-1.1	2403.688	bb	2.154	2.228	NO
PFTrA	9.83	9.83	0.985	1774.8	619.9	3.3	1774.765	bb	6.574	5.382	NO
FOSA	10.01	10.01	0.995	7354.1	562.0	-6.3	7354.057	bb			
FOSA (M+8)	10.01	10.01	0.996	4570.6	589.1	-1.8	4570.556	bb			
PFTeA	10.37	10.37	0.986	883.8	584.0	-2.7	883.823	bb	2.347	3.012	NO
PFTeA (M+2)	10.37	10.37	0.989	1099.6	581.9	-3.0	1099.560	bb			

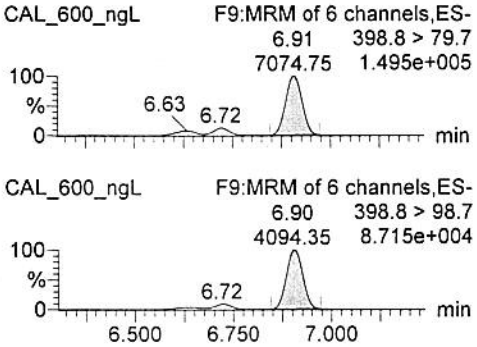
2/4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:13 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

PFHxS



original
JG 4/24/18
ZY 4/25/18

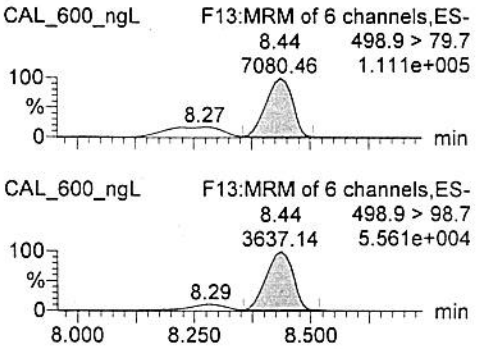
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.91	0.999	7074.8	543.4	-0.7	7074.750	bb	1.693	1.728	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:44 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040119_600ngL, Date: 11-Apr-2018, Time: 10:43:27, Description: CAL_600_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:9

PFOS



original
JG 4/24/18
4/25/18

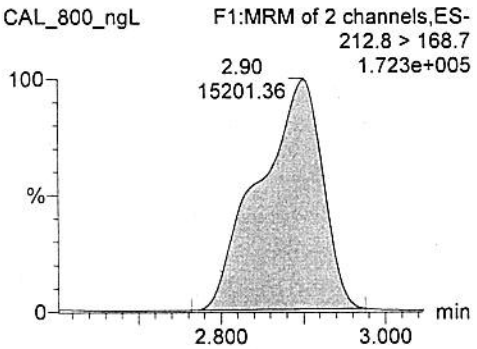
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	7080.5	553.7	-0.2	7080.463	db	2.320	1.947	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

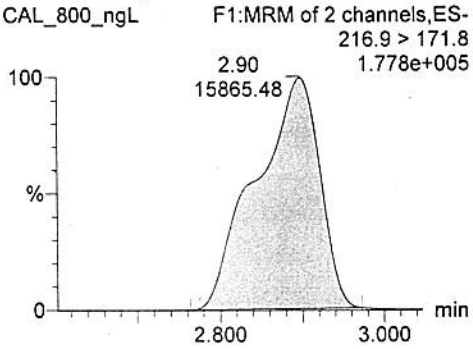
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

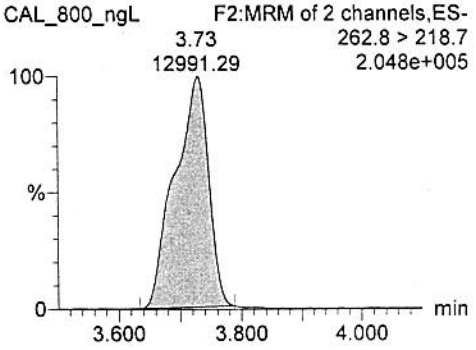
PFBA



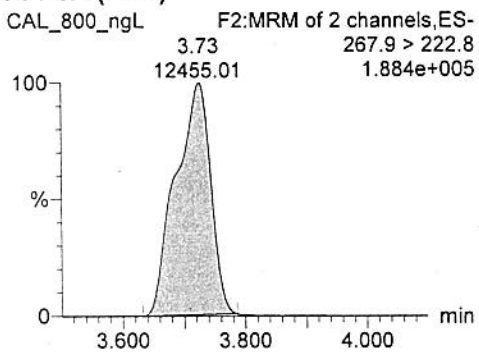
PFBA (M+4)



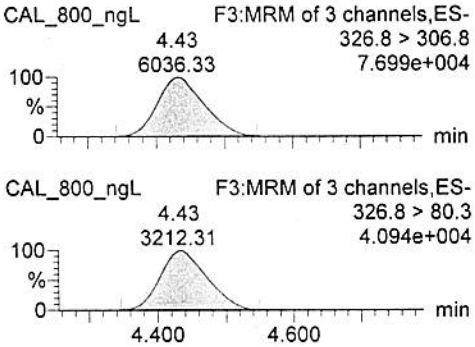
PFPeA



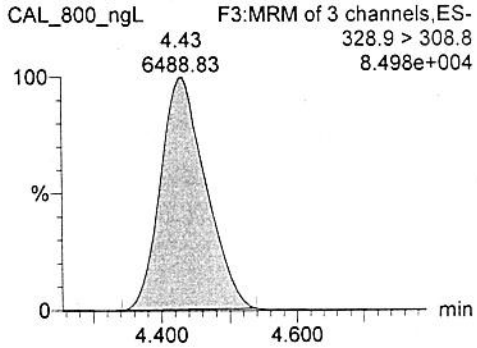
PFPeA (M+5)



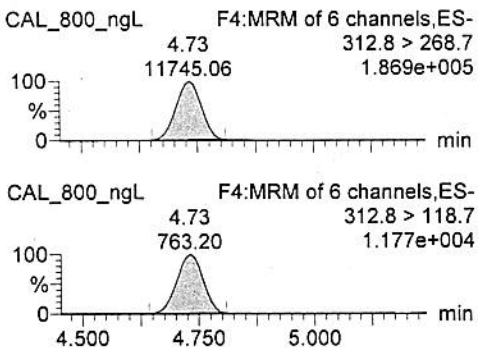
4:2 FTS



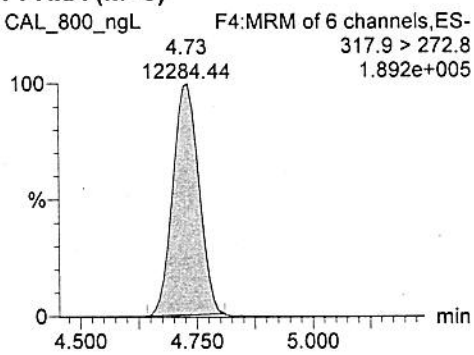
4:2 FTS (M+2)



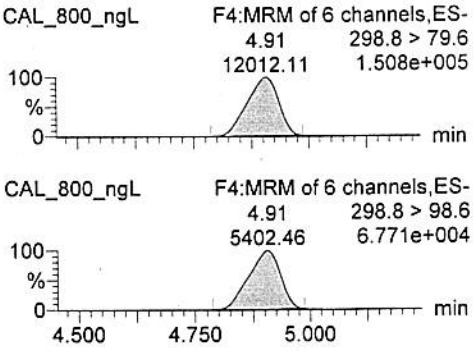
PFHxA



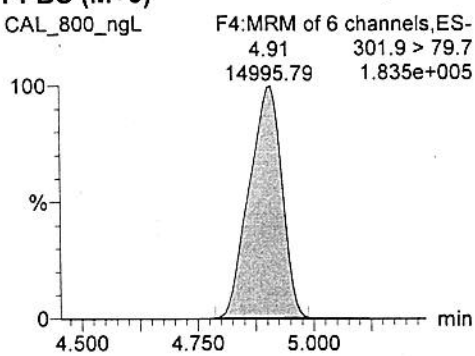
PFHxA (M+5)



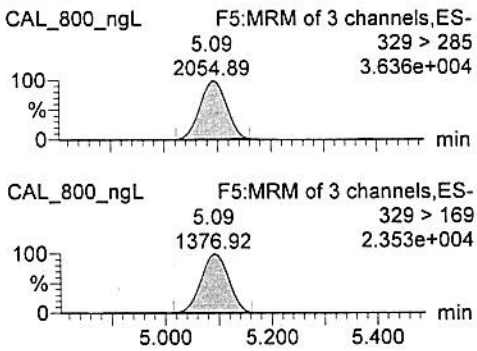
PFBS



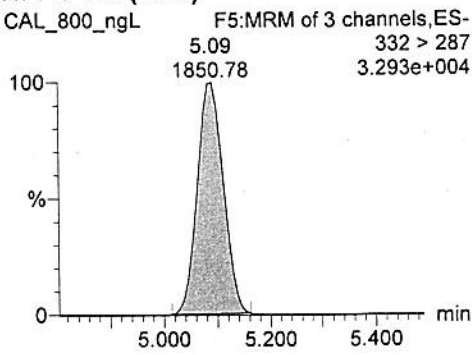
PFBS (M+3)



HFPO-DA



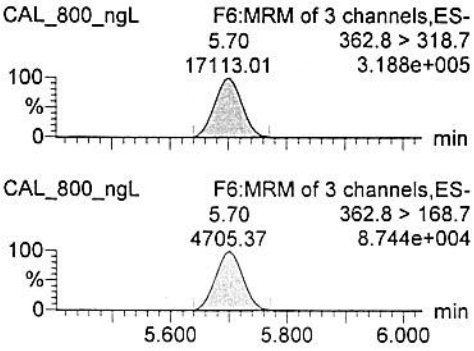
HFPO-DA (M+3)



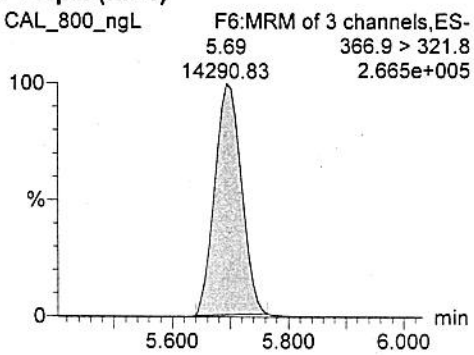
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

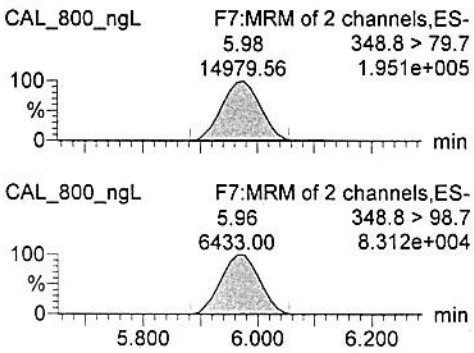
PFHpA



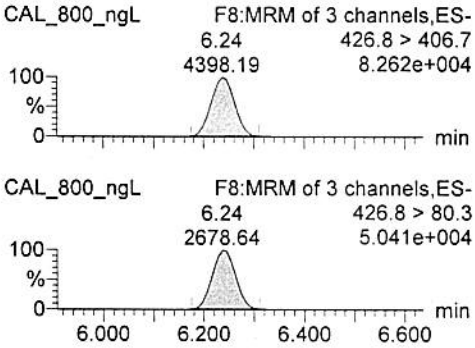
PFHpA (M+4)



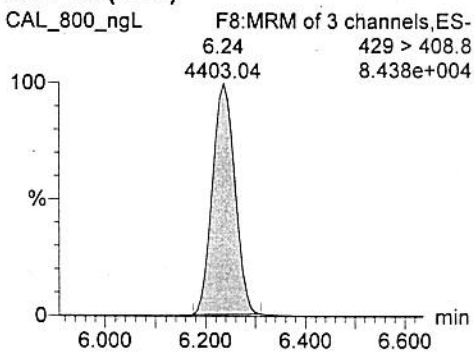
PFPeS



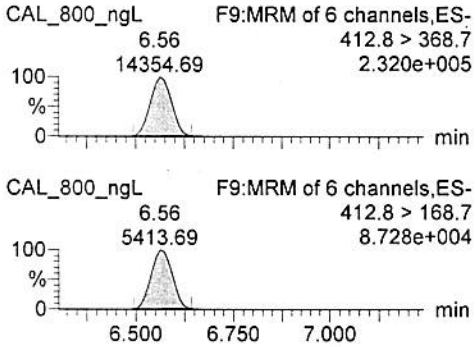
6:2 FTS



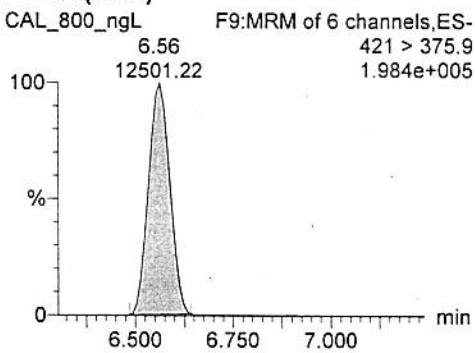
6:2 FTS (M+2)



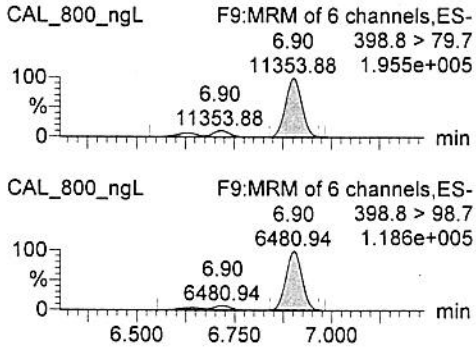
PFOA



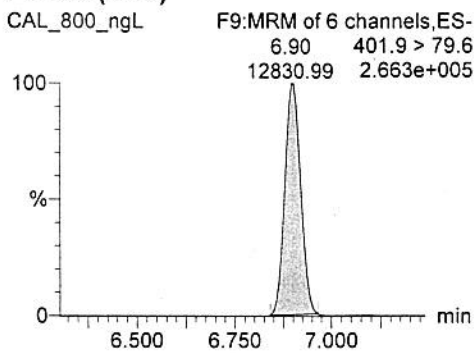
PFOA (M+8)



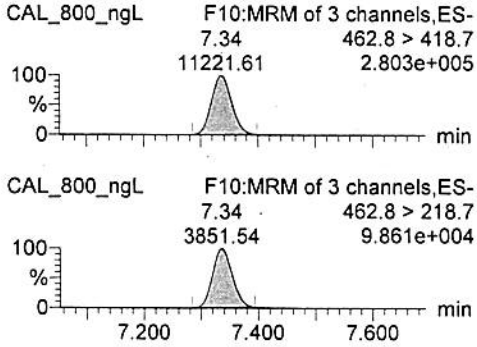
PFHxS



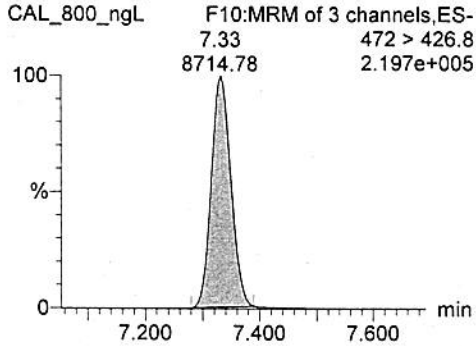
PFHxS (M+3)



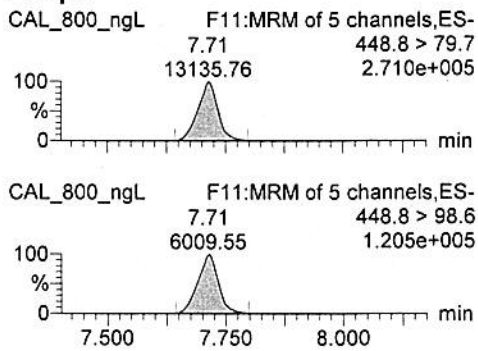
PFNA



PFNA (M+9)



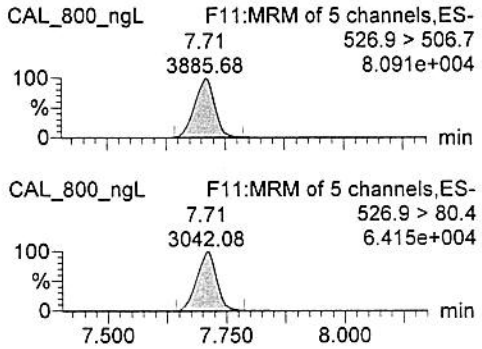
PFHpS



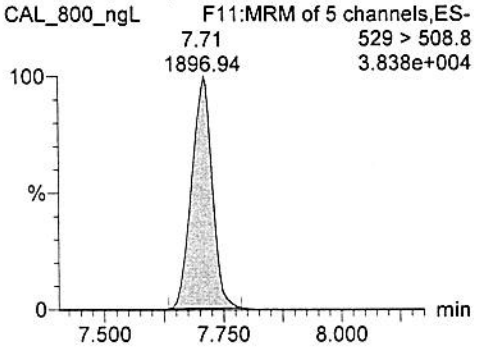
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

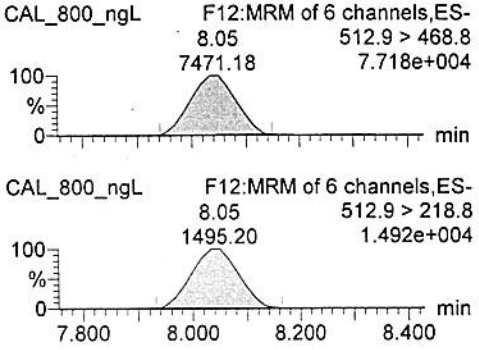
8:2 FTS



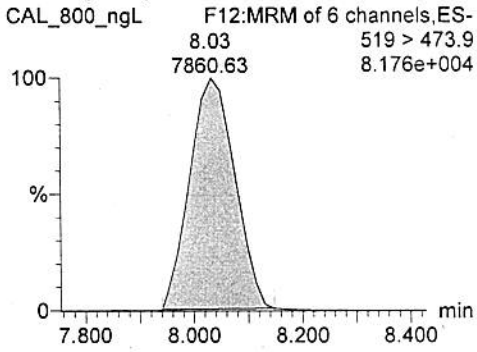
8:2 FTS (M+2)



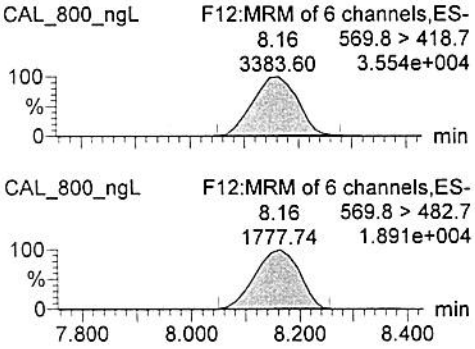
PFDA



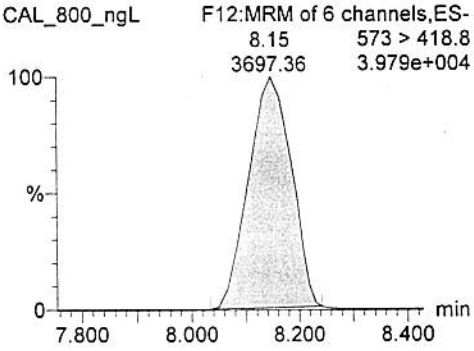
PFDA (M+6)



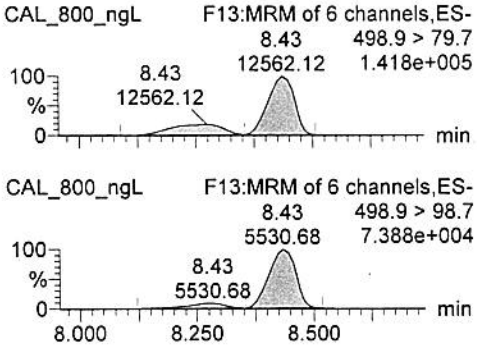
N-MeFOSAA



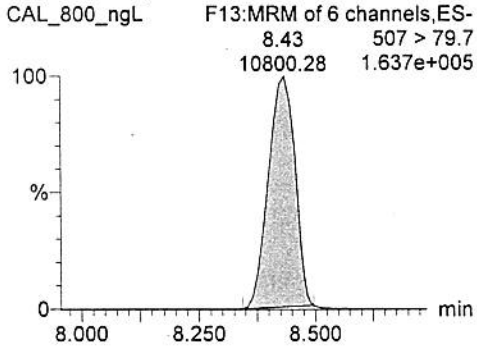
N-MeFOSAA (M+3)



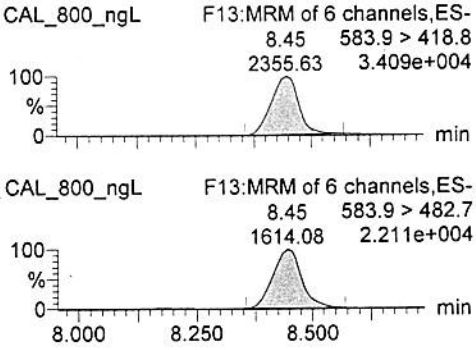
PFOS



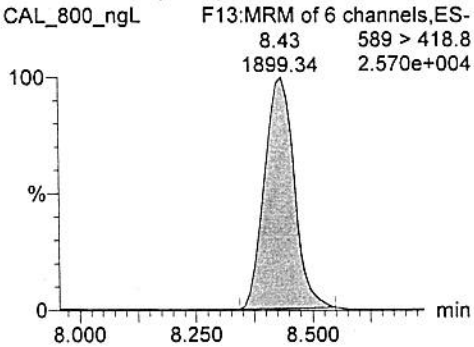
PFOS (M+8)



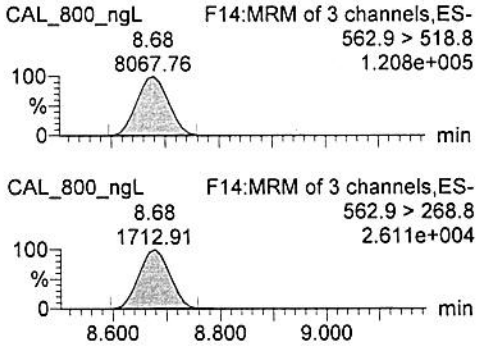
N-EtFOSAA



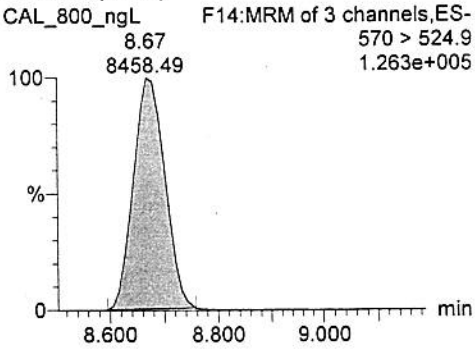
N-EtFOSAA (M+5)



PFUnA



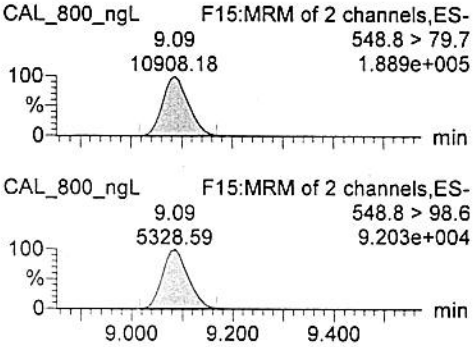
PFUnA (M+7)



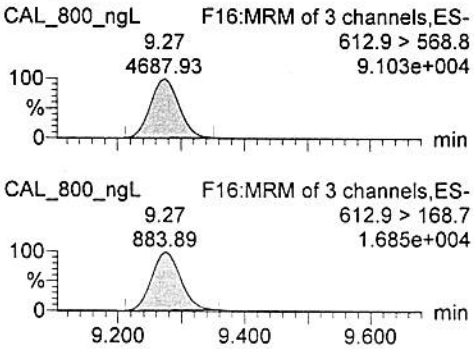
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

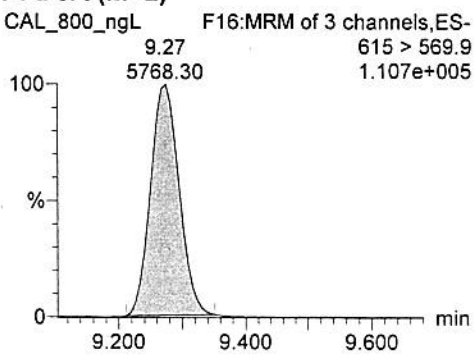
PFNS



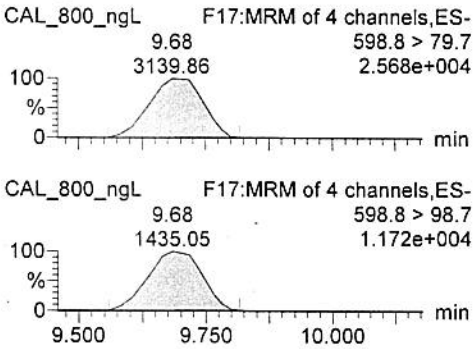
PFDoA



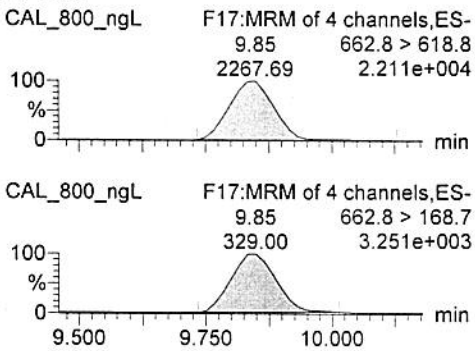
PFDoA (M+2)



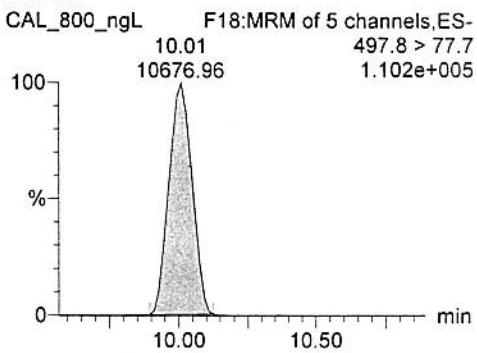
PFDS



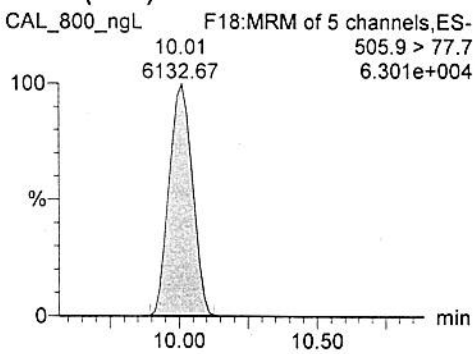
PFTrA



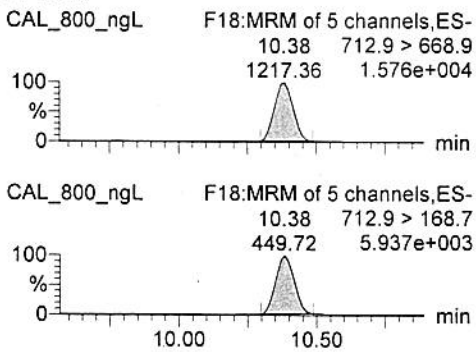
FOSA



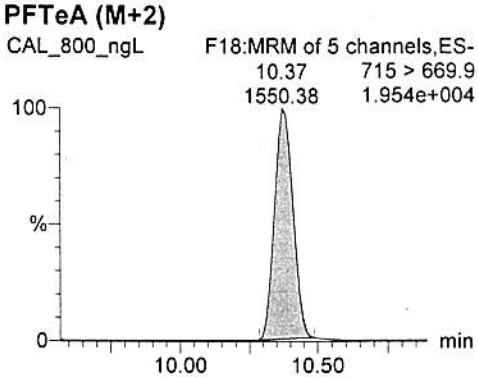
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:54 Eastern Daylight Time

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	15201.4	785.3	-1.8	15201.355	bb			
PFBA (M+4)	2.90	2.90	0.998	15865.5	784.5	-1.9	15865.479	bb			
PFPeA	3.73	3.73	0.999	12991.3	802.7	0.3	12991.291	bb			
PFPeA (M+5)	3.73	3.73	0.998	12455.0	792.7	-0.9	12455.011	bb			
4:2 FTS	4.43	4.43	0.998	6036.3	720.1	-3.7	6036.327	bb	1.478	1.879	NO
4:2 FTS (M+2)	4.43	4.43	0.997	6488.8	723.1	-3.3	6488.826	bb			
PFHxA	4.73	4.73	0.997	11745.1	762.4	-4.7	11745.060	bb	17.678	15.389	NO
PFHxA (M+5)	4.73	4.73	0.998	12284.4	775.6	-3.0	12284.438	bb			
PFBS	4.91	4.91	0.998	12012.1	684.0	-3.4	12012.109	bb	2.666	2.224	NO
PFBS (M+3)	4.91	4.91	0.998	14995.8	728.5	-2.1	14995.786	bb			
HFPO-DA	5.09	5.09	0.984	2054.9	752.6	-5.9	2054.885	bbX	1.664	1.492	NO
HFPO-DA (M+3)	5.09	5.09	0.993	1850.8	818.9	2.4	1850.780	bb			
PFHpA	5.70	5.70	0.998	17113.0	792.8	-0.9	17113.012	bb	3.777	3.637	NO
PFHpA (M+4)	5.69	5.69	0.999	14290.8	787.9	-1.5	14290.834	bb			
PFPeS	5.98	5.98	0.999	14979.6	733.6	-2.4	14979.562	bb	2.394	2.329	NO
6:2 FTS	6.24	6.24	0.998	4398.2	736.1	-3.1	4398.185	bb	1.210	1.642	YES
6:2 FTS (M+2)	6.24	6.24	0.998	4403.0	768.0	1.1	4403.042	bb			
PFOA	6.56	6.56	0.998	14354.7	779.4	-2.6	14354.690	bb	2.739	2.652	NO
PFOA (M+8)	6.56	6.56	0.996	12501.2	809.2	1.2	12501.215	bb			
PFHxS	6.90	6.90	0.999	11353.9	706.0	-3.2	11353.879	MM JG	1.693	1.752	NO
PFHxS (M+3)	6.90	6.90	0.998	12831.0	731.6	-3.2	12830.990	bb 4/24/18			
PFNA	7.33	7.34	0.999	11221.6	799.5	-0.1	11221.607	bb	2.801	2.914	NO
PFNA (M+9)	7.33	7.33	0.999	8714.8	800.4	0.0	8714.776	bb			
PFHpS	7.72	7.71	0.998	13135.8	760.0	0.0	13135.759	bb	2.170	2.186	NO
8:2 FTS	7.71	7.71	0.997	3885.7	709.7	0.2	3885.675	bb	1.149	1.277	NO
8:2 FTS (M+2)	7.71	7.71	0.997	1896.9	729.8	3.1	1896.941	bb			
PFDA	8.03	8.05	0.997	7471.2	781.4	-2.3	7471.175	bb	3.228	4.997	YES
PFDA (M+6)	8.03	8.03	0.976	7860.6	768.6	-3.9	7860.627	bb			
N-MeFOSAA	8.15	8.16	0.994	3383.6	750.6	-6.2	3383.601	bb	1.574	1.903	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	3697.4	772.6	-3.4	3697.358	bb JG			
PFOS	8.44	8.43	0.997	12562.1	716.9	-3.1	12562.115	MM	2.320	2.271	NO
PFOS (M+8)	8.43	8.43	0.997	10800.3	744.5	-2.8	10800.277	bb 4/24/18			
N-EtFOSAA	8.44	8.45	0.994	2355.6	788.8	-1.4	2355.626	bb	1.366	1.459	NO
N-EtFOSAA (M+5)	8.43	8.43	0.994	1899.3	808.0	1.0	1899.340	bb			
PFUnA	8.67	8.68	0.994	8067.8	800.9	0.1	8067.758	bb	4.079	4.710	NO
PFUnA (M+7)	8.67	8.67	0.998	8458.5	818.3	2.3	8458.490	bb			
PFNS	9.09	9.09	0.998	10908.2	702.1	-0.8	10908.176	bb	2.310	2.047	NO
PFDoA	9.27	9.27	0.996	4687.9	792.0	-1.0	4687.926	bb	5.713	5.304	NO
PFDoA (M+2)	9.27	9.27	0.996	5768.3	784.6	-1.9	5768.300	bb			
PFDS	9.68	9.68	0.999	3139.9	745.4	-3.4	3139.858	bb	2.154	2.188	NO
PFTrA	9.83	9.85	0.985	2267.7	786.5	-1.7	2267.692	bb	6.574	6.893	NO
FOSA	10.01	10.01	0.995	10677.0	812.2	1.5	10676.959	bb			
FOSA (M+8)	10.01	10.01	0.996	6132.7	788.0	-1.5	6132.671	bb			
PFTeA	10.37	10.38	0.986	1217.4	801.3	0.2	1217.356	bb	2.347	2.707	NO
PFTeA (M+2)	10.37	10.37	0.989	1550.4	812.3	1.5	1550.379	bb			

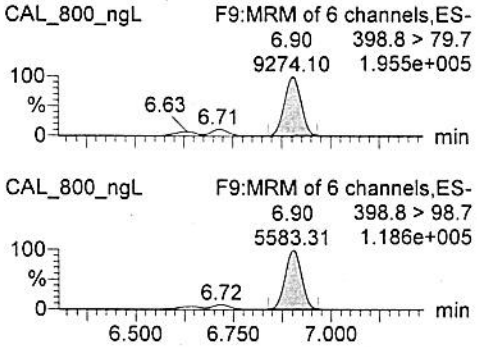
2/4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:16 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

PFHxS



original
J G 4/24/18
2/4/25/18

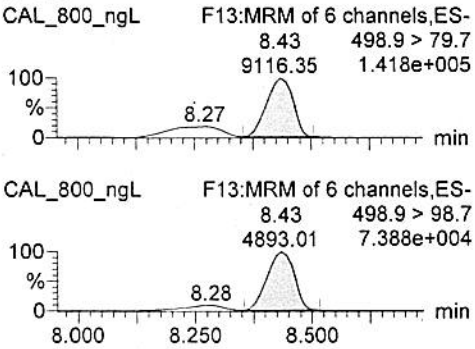
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.90	0.999	9274.1	711.3	-2.5	9274.096	bb	1.693	1.661	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:46 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040120_800ngL, Date: 11-Apr-2018, Time: 11:05:53, Description: CAL_800_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:10

PFOS



original
JG 4/24/18
2/4/20/18

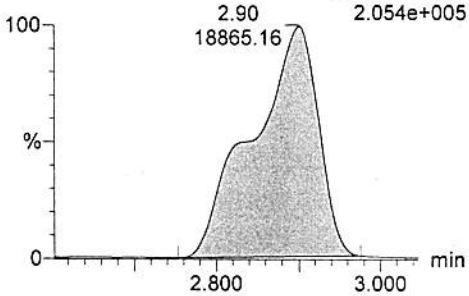
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.43	0.997	9116.4	711.7	-3.8	9116.354	db	2.320	1.863	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:55 Eastern Daylight Time

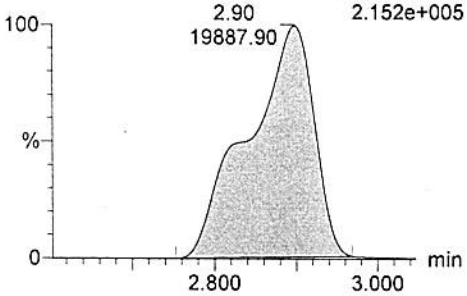
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

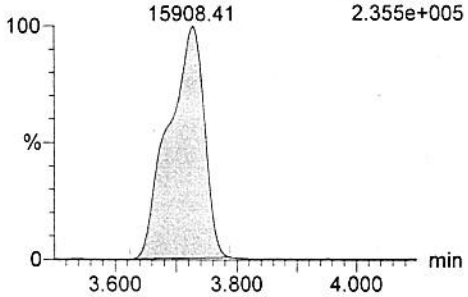
PFBA
CAL_1000_ngL F1:MRM of 2 channels,ES- 212.8 > 168.7
2.90 18865.16 2.054e+005



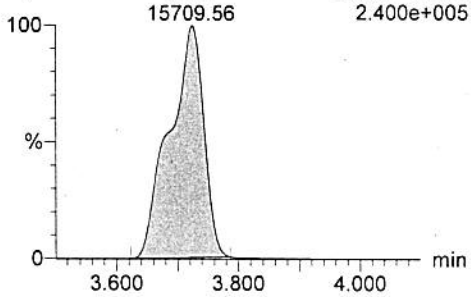
PFBA (M+4)
CAL_1000_ngL F1:MRM of 2 channels,ES- 216.9 > 171.8
2.90 19887.90 2.152e+005



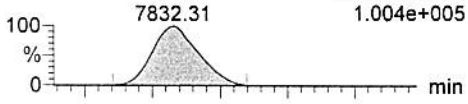
PFPeA
CAL_1000_ngL F2:MRM of 2 channels,ES- 262.8 > 218.7
3.73 15908.41 2.355e+005



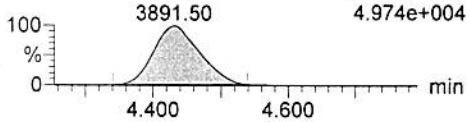
PFPeA (M+5)
CAL_1000_ngL F2:MRM of 2 channels,ES- 267.9 > 222.8
3.72 15709.56 2.400e+005



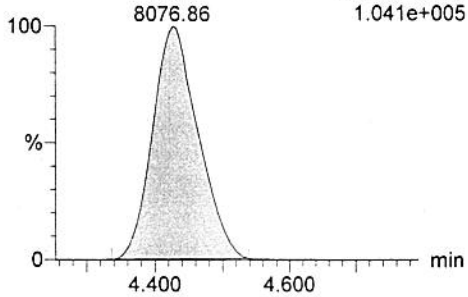
4:2 FTS
CAL_1000_ngL F3:MRM of 3 channels,ES- 326.8 > 306.8
4.43 7832.31 1.004e+005



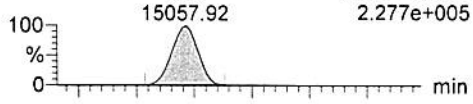
CAL_1000_ngL F3:MRM of 3 channels,ES- 326.8 > 80.3
4.43 3891.50 4.974e+004



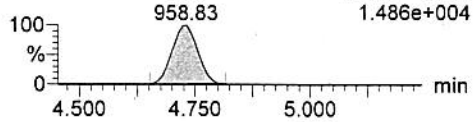
4:2 FTS (M+2)
CAL_1000_ngL F3:MRM of 3 channels,ES- 328.9 > 308.8
4.43 8076.86 1.041e+005



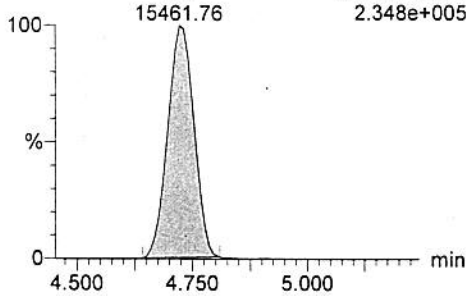
PFHxA
CAL_1000_ngL F4:MRM of 6 channels,ES- 312.8 > 268.7
4.73 15057.92 2.277e+005



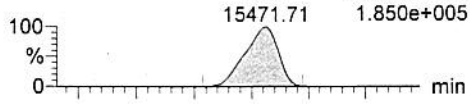
CAL_1000_ngL F4:MRM of 6 channels,ES- 312.8 > 118.7
4.73 958.83 1.486e+004



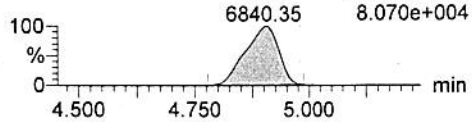
PFHxA (M+5)
CAL_1000_ngL F4:MRM of 6 channels,ES- 317.9 > 272.8
4.72 15461.76 2.348e+005



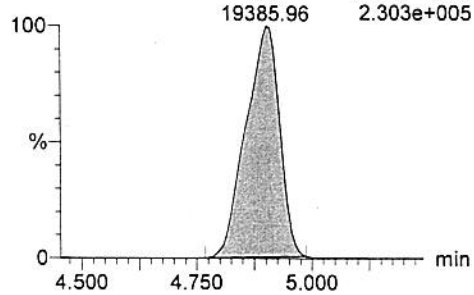
PFBS
CAL_1000_ngL F4:MRM of 6 channels,ES- 298.8 > 79.6
4.91 15471.71 1.850e+005



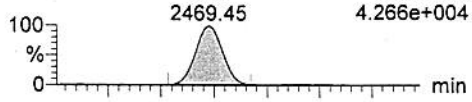
CAL_1000_ngL F4:MRM of 6 channels,ES- 298.8 > 98.6
4.90 6840.35 8.070e+004



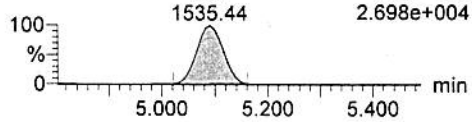
PFBS (M+3)
CAL_1000_ngL F4:MRM of 6 channels,ES- 301.9 > 79.7
4.90 19385.96 2.303e+005



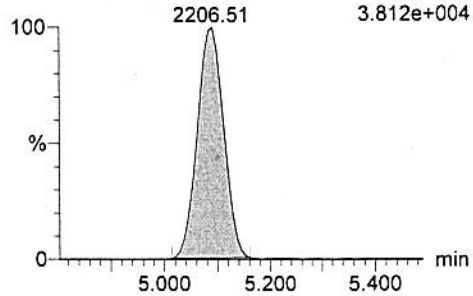
HFPO-DA
CAL_1000_ngL F5:MRM of 3 channels,ES- 329 > 285
5.09 2469.45 4.266e+004



CAL_1000_ngL F5:MRM of 3 channels,ES- 329 > 169
5.09 1535.44 2.698e+004



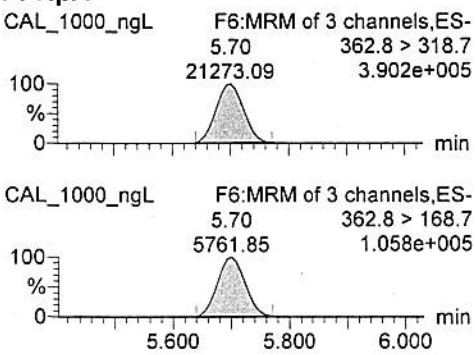
HFPO-DA (M+3)
CAL_1000_ngL F5:MRM of 3 channels,ES- 332 > 287
5.09 2206.51 3.812e+004



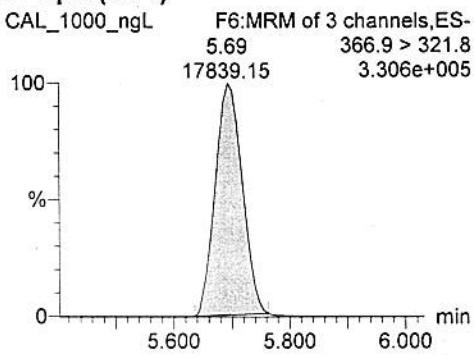
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:55 Eastern Daylight Time

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

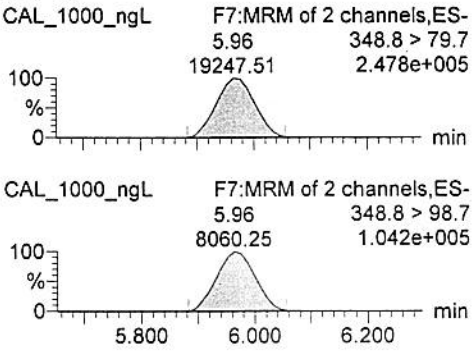
PFHpA



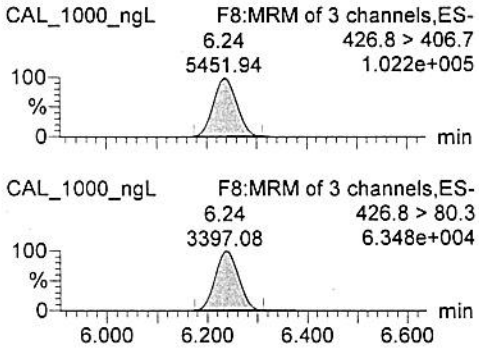
PFHpA (M+4)



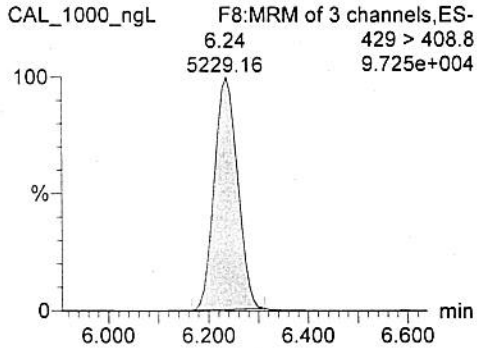
PFPeS



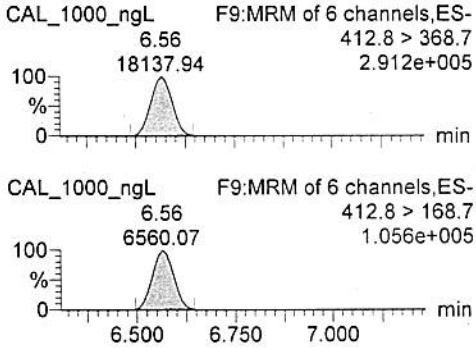
6:2 FTS



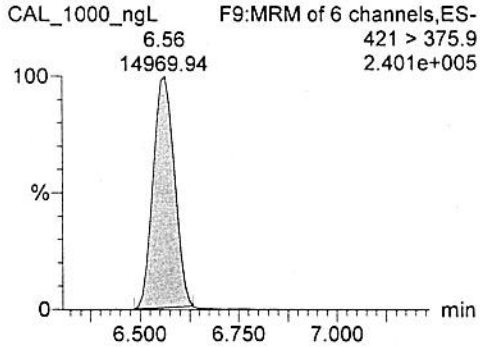
6:2 FTS (M+2)



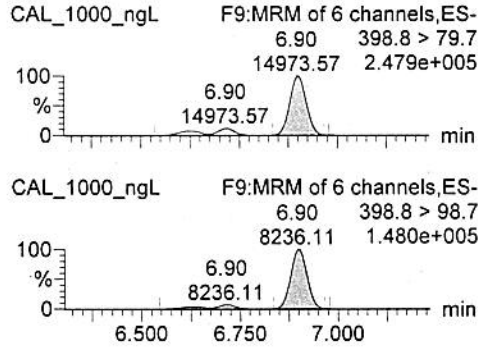
PFOA



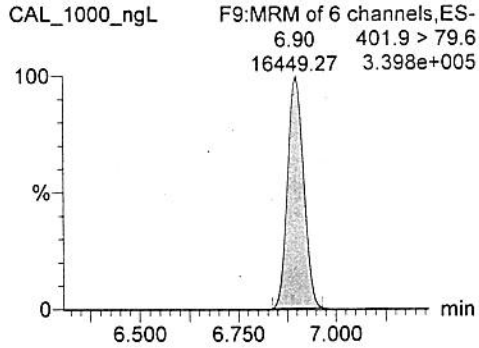
PFOA (M+8)



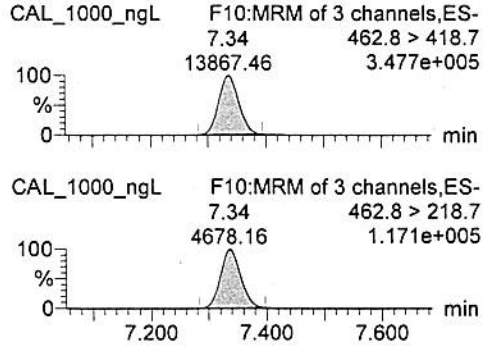
PFHxS



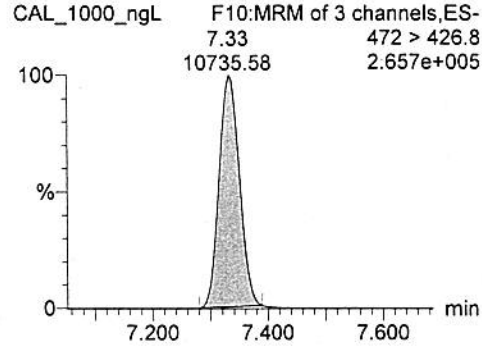
PFHxS (M+3)



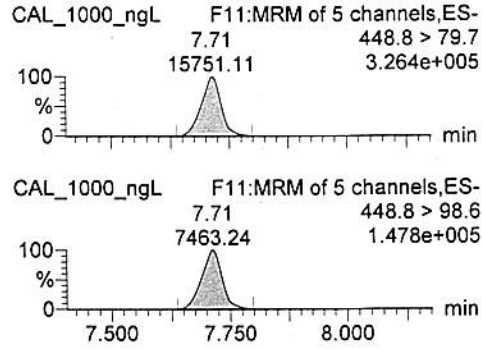
PFNA



PFNA (M+9)



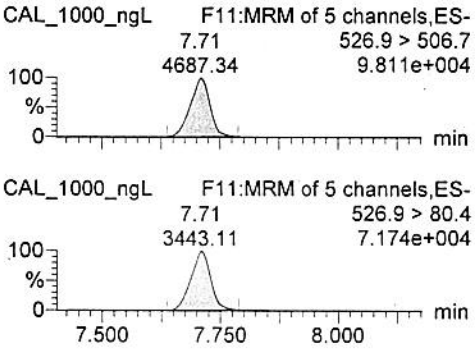
PFHpS



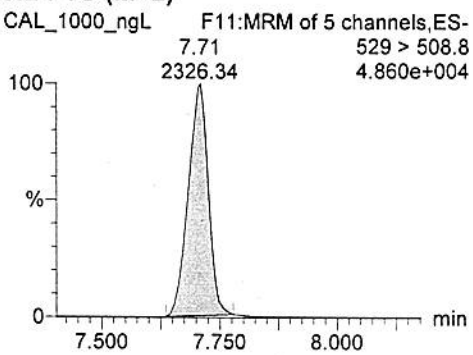
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:55 Eastern Daylight Time

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

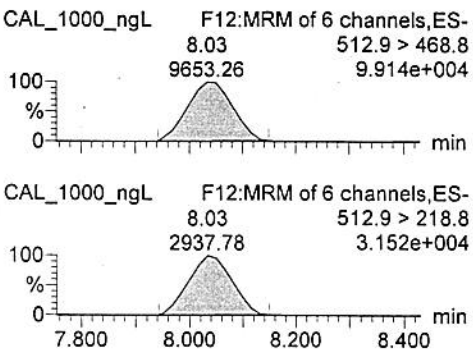
8:2 FTS



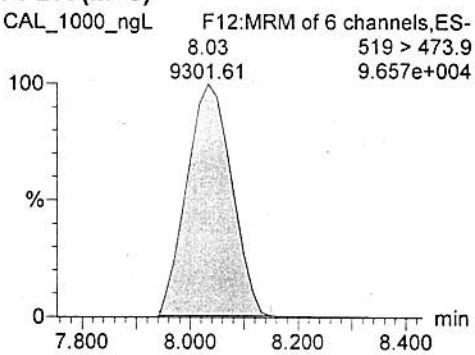
8:2 FTS (M+2)



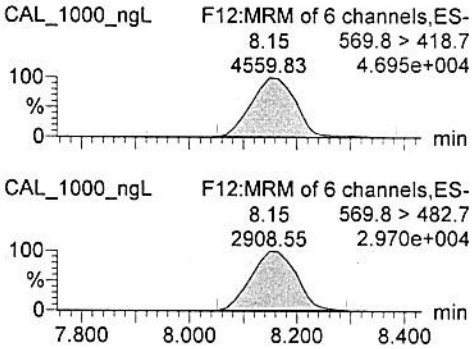
PFDA



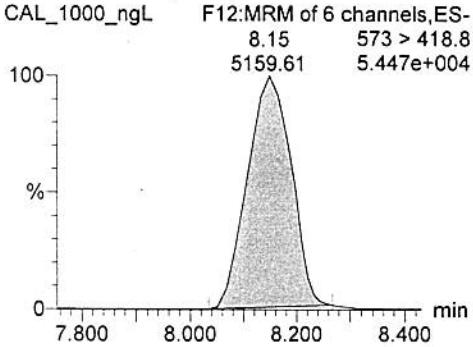
PFDA (M+6)



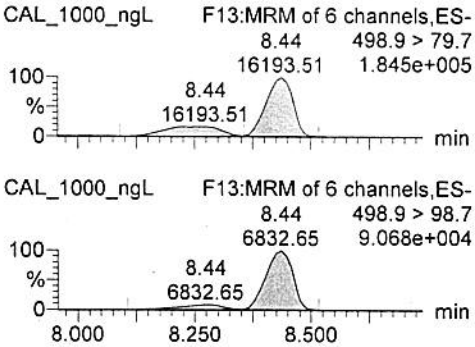
N-MeFOSAA



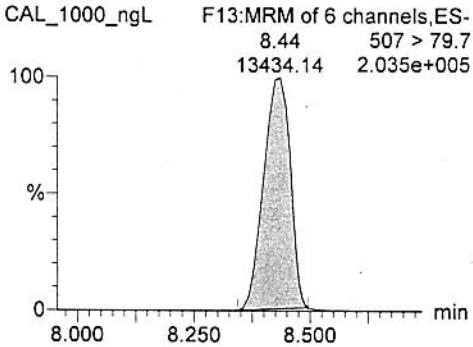
N-MeFOSAA (M+3)



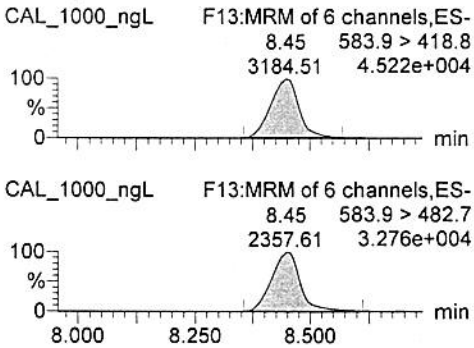
PFOS



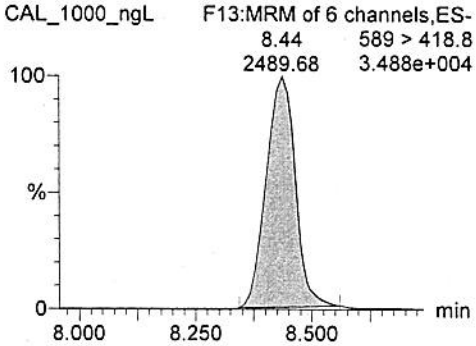
PFOS (M+8)



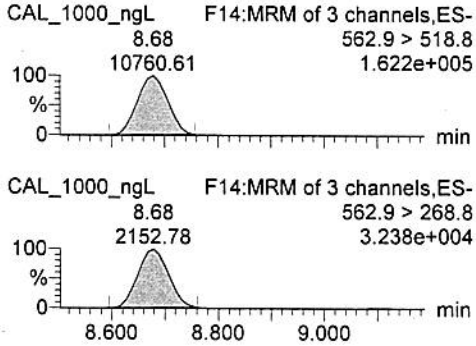
N-EtFOSAA



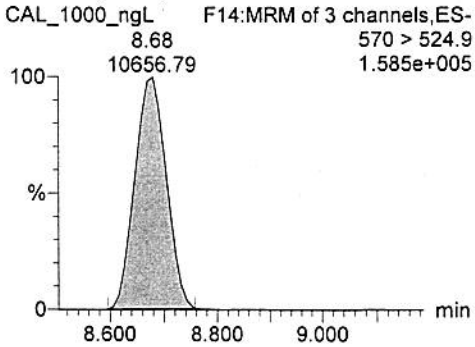
N-EtFOSAA (M+5)



PFUnA



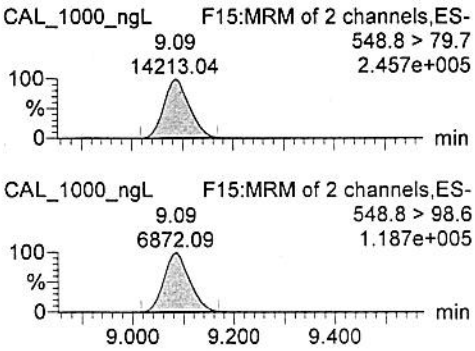
PFUnA (M+7)



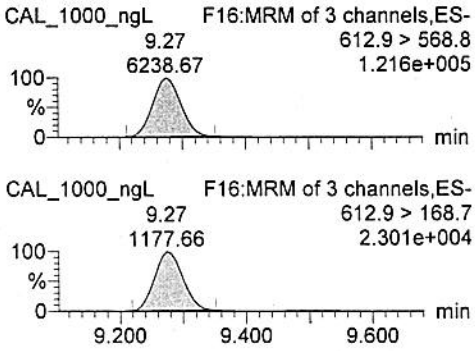
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:55 Eastern Daylight Time

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

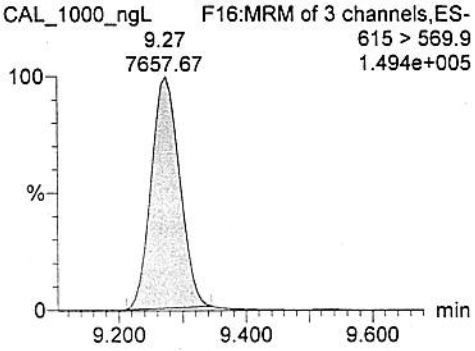
PFNS



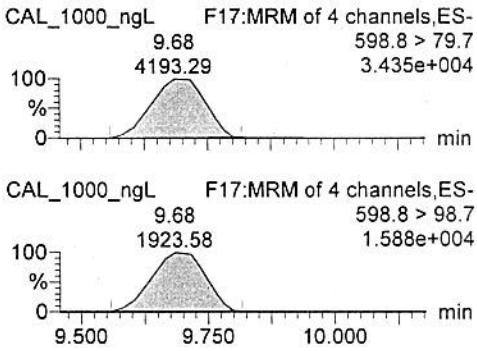
PFDoA



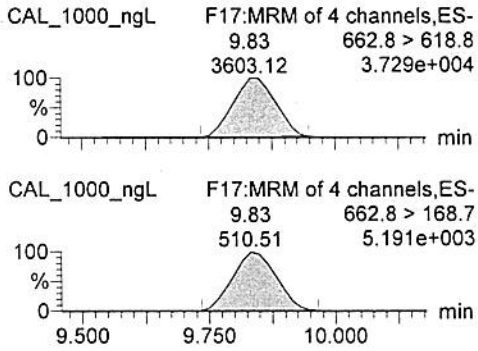
PFDoA (M+2)



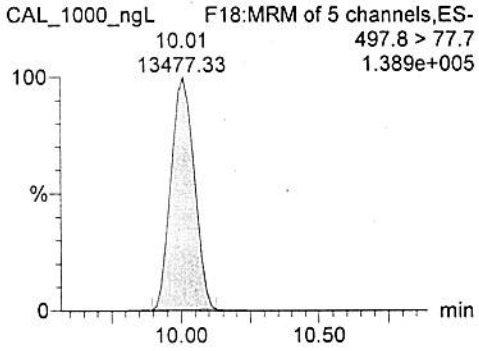
PFDS



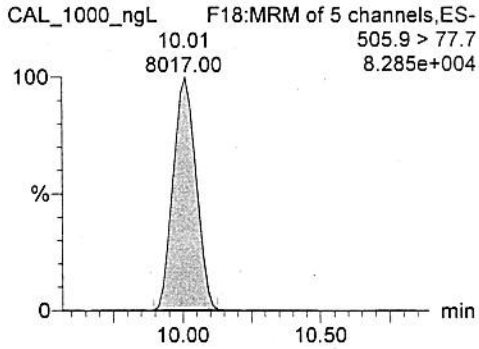
PFTrA



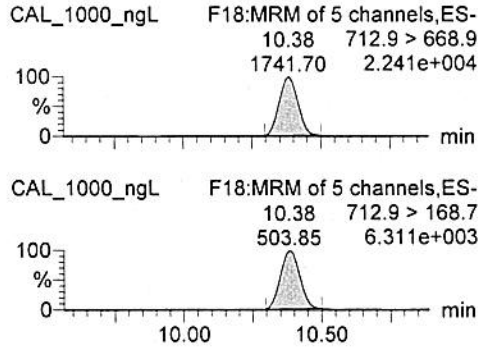
FOSA



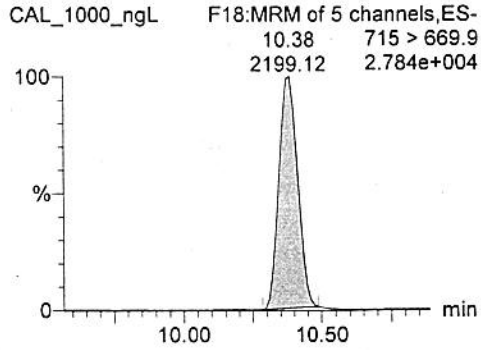
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:55 Eastern Daylight Time

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	18865.2	974.7	-2.5	18865.164	bb			
PFBA (M+4)	2.90	2.90	0.998	19887.9	982.7	-1.7	19887.900	bb			
PFPeA	3.73	3.73	0.999	15908.4	982.8	-1.7	15908.410	bb			
PFPeA (M+5)	3.73	3.72	0.998	15709.6	999.3	-0.1	15709.564	bb			
4:2 FTS	4.43	4.43	0.998	7832.3	933.9	-0.1	7832.313	bb	1.478	2.013	YES
4:2 FTS (M+2)	4.43	4.43	0.997	8076.9	900.8	-3.7	8076.858	bb			
PFHxA	4.73	4.73	0.997	15057.9	975.5	-2.4	15057.922	bb	17.678	15.704	NO
PFHxA (M+5)	4.73	4.72	0.998	15461.8	975.9	-2.4	15461.759	bb			
PFBS	4.91	4.91	0.998	15471.7	879.1	-0.7	15471.711	bb	2.666	2.262	NO
PFBS (M+3)	4.91	4.90	0.998	19386.0	940.3	1.1	19385.963	bb			
HFPO-DA	5.09	5.09	0.984	2469.4	903.8	-9.6	2469.450	bbX	1.664	1.608	NO
HFPO-DA (M+3)	5.09	5.09	0.993	2206.5	978.0	-2.2	2206.511	bb			
PFHpA	5.70	5.70	0.998	21273.1	985.3	-1.5	21273.094	bb	3.777	3.692	NO
PFHpA (M+4)	5.69	5.69	0.999	17839.2	983.2	-1.7	17839.150	bb			
PFPeS	5.98	5.96	0.999	19247.5	942.5	0.3	19247.506	bb	2.394	2.388	NO
6:2 FTS	6.24	6.24	0.998	5451.9	921.7	-3.0	5451.937	bb	1.210	1.605	NO
6:2 FTS (M+2)	6.24	6.24	0.998	5229.2	912.3	-4.0	5229.163	bb			
PFOA	6.56	6.56	0.998	18137.9	985.6	-1.4	18137.938	bb	2.739	2.765	NO
PFOA (M+8)	6.56	6.56	0.996	14969.9	968.6	-3.1	14969.942	bb			
PFHxS	6.90	6.90	0.999	14973.6	930.3	2.0	14973.570	MM JG	1.693	1.818	NO
PFHxS (M+3)	6.90	6.90	0.998	16449.3	938.5	-0.7	16449.273	bb 4/24/18			
PFNA	7.33	7.34	0.999	13867.5	987.7	-1.2	13867.456	bb	2.801	2.964	NO
PFNA (M+9)	7.33	7.33	0.999	10735.6	985.2	-1.5	10735.585	bb			
PFHpS	7.72	7.71	0.998	15751.1	911.1	-4.1	15751.114	bb	2.170	2.111	NO
8:2 FTS	7.71	7.71	0.997	4687.3	855.2	-3.4	4687.338	bb	1.149	1.361	NO
8:2 FTS (M+2)	7.71	7.71	0.997	2326.3	893.6	1.0	2326.337	bb			
PFDA	8.03	8.03	0.997	9653.3	1010	1.0	9653.264	bb	3.228	3.286	NO
PFDA (M+6)	8.03	8.03	0.976	9301.6	909.7	-9.0	9301.608	bb			
N-MeFOSAA	8.15	8.15	0.994	4559.8	1007	0.7	4559.829	bb	1.574	1.568	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	5159.6	1064	6.4	5159.613	bb			
PFOS	8.44	8.44	0.997	16193.5	923.1	-0.2	16193.512	MM JG	2.320	2.370	NO
PFOS (M+8)	8.43	8.44	0.997	13434.1	926.2	-3.2	13434.140	bb 4/24/18			
N-EtFOSAA	8.44	8.45	0.994	3184.5	1062	6.2	3184.507	bb	1.366	1.351	NO
N-EtFOSAA (M+5)	8.43	8.44	0.994	2489.7	1055	5.5	2489.682	bb			
PFUnA	8.67	8.68	0.994	10760.6	1065	6.5	10760.607	bb	4.079	4.998	NO
PFUnA (M+7)	8.67	8.68	0.998	10656.8	1029	2.9	10656.785	bb			
PFNS	9.09	9.09	0.998	14213.0	913.8	3.3	14213.038	bb	2.310	2.068	NO
PFDoA	9.27	9.27	0.996	6238.7	1051	5.1	6238.666	bb	5.713	5.298	NO
PFDoA (M+2)	9.27	9.27	0.996	7657.7	1039	3.9	7657.673	bb			
PFDS	9.68	9.68	0.999	4193.3	992.8	2.9	4193.287	bb	2.154	2.180	NO
PFTrA	9.83	9.83	0.985	3603.1	1238	23.8	3603.123	bbX	6.574	7.058	NO
FOSA	10.01	10.01	0.995	13477.3	1023	2.3	13477.326	bb			
FOSA (M+8)	10.01	10.01	0.996	8017.0	1028	2.8	8017.000	bb			
PFTeA	10.37	10.38	0.986	1741.7	1143	14.3	1741.705	bbX	2.347	3.457	YES
PFTeA (M+2)	10.37	10.38	0.989	2199.1	1144	14.4	2199.116	bbX			

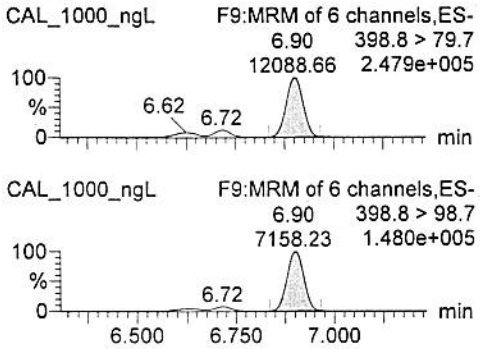
7 4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:20 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

PFHxS



original
JG 4/24/18
JV 4/25/18

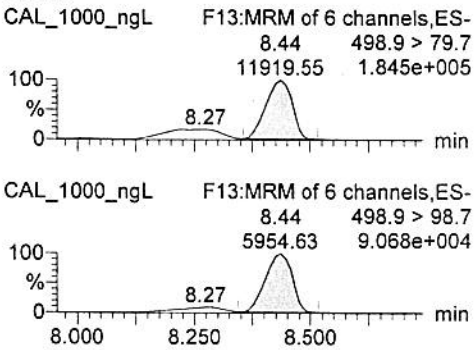
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFHxS	6.90	6.90	0.999	12088.7	926.2	1.6	12088.662	bb	1.693	1.689	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:50 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_7110304_1000ngL, Date: 11-Apr-2018, Time: 11:28:19, Description: CAL_1000_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:11

PFOS



original
JG 4/24/18
RV 4/25/18

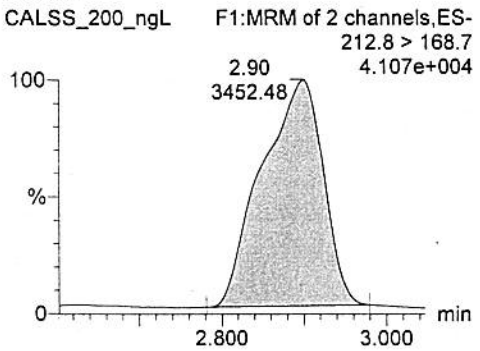
Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	11919.5	929.2	0.5	11919.546	db	2.320	2.002	NO

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:56 Eastern Daylight Time

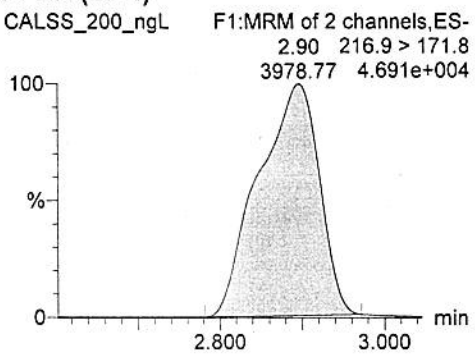
Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 24 Apr 2018 09:24:57

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

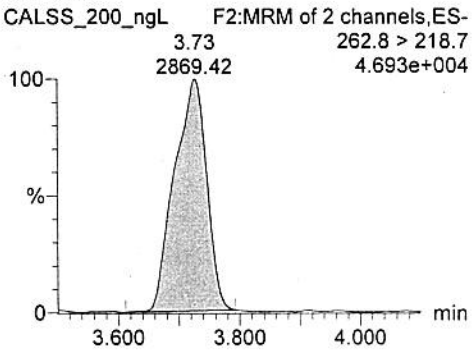
PFBA



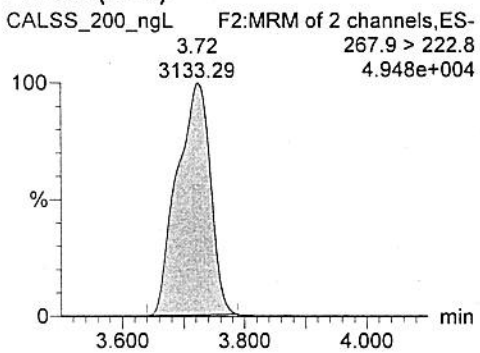
PFBA (M+4)



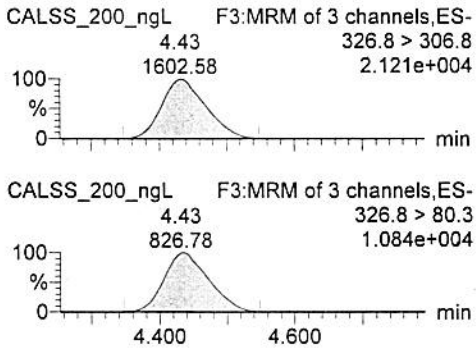
PFPeA



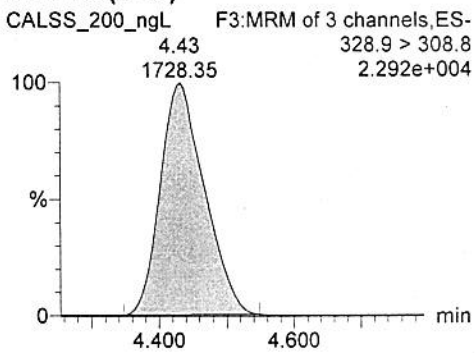
PFPeA (M+5)



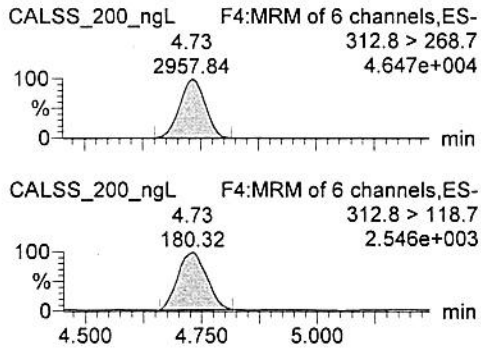
4:2 FTS



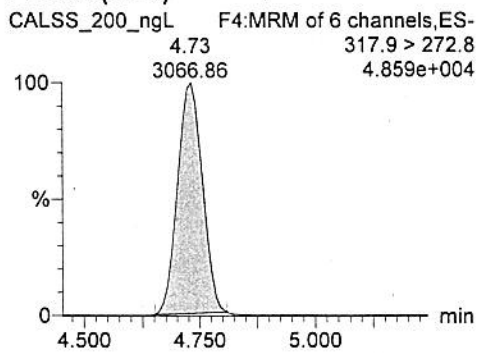
4:2 FTS (M+2)



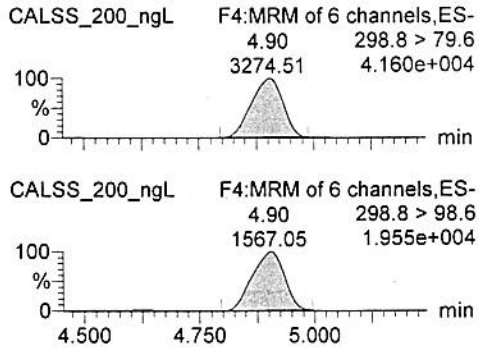
PFHxA



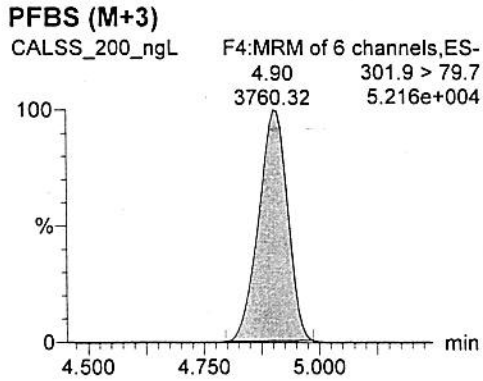
PFHxA (M+5)



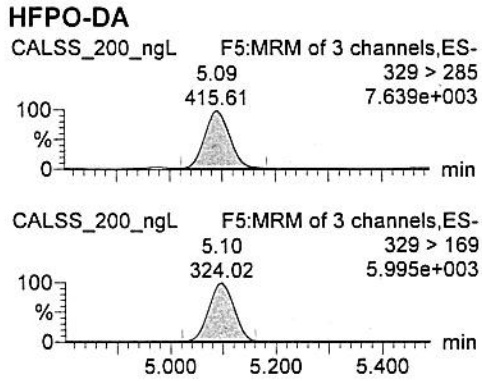
PFBS



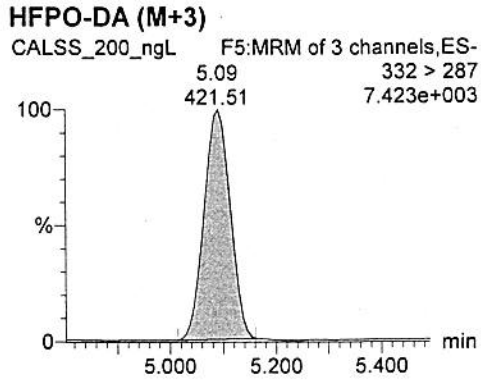
PFBS (M+3)



HFPO-DA



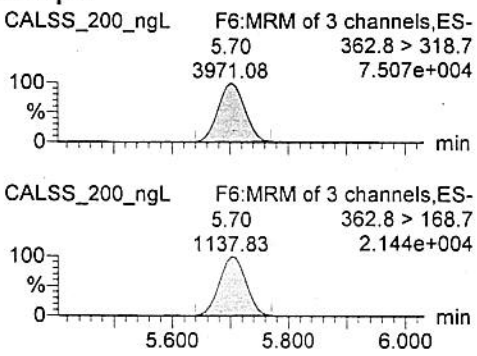
HFPO-DA (M+3)



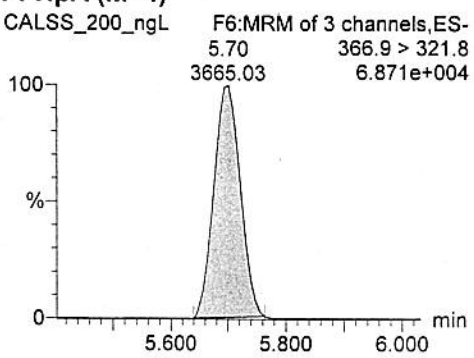
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:56 Eastern Daylight Time

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

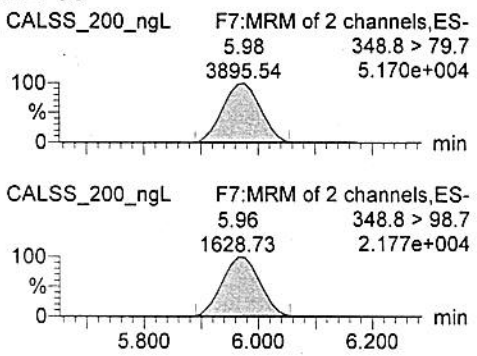
PFHpA



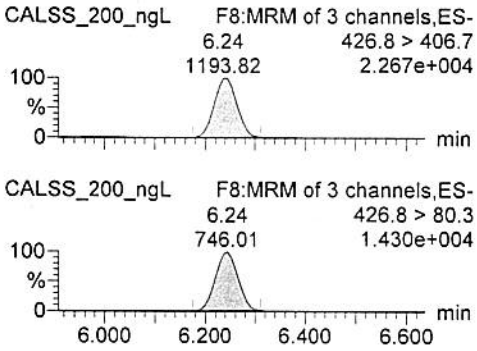
PFHpA (M+4)



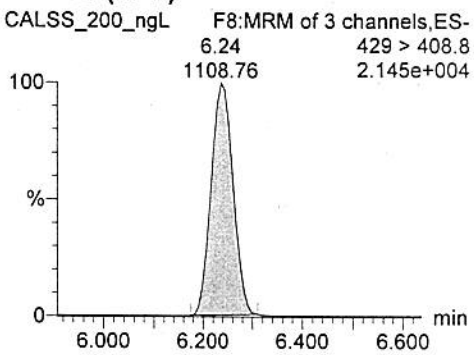
PFPeS



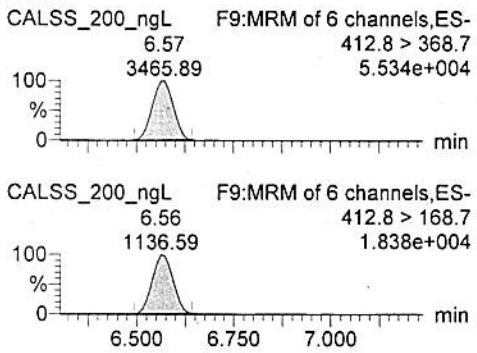
6:2 FTS



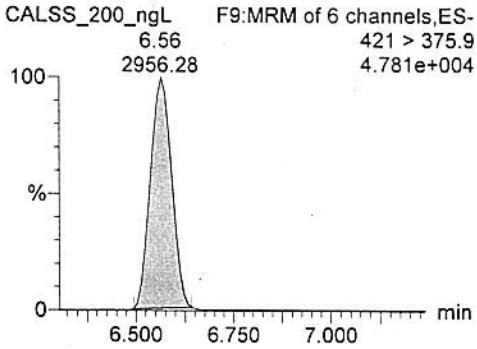
6:2 FTS (M+2)



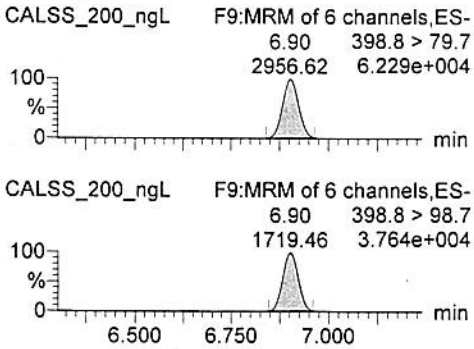
PFOA



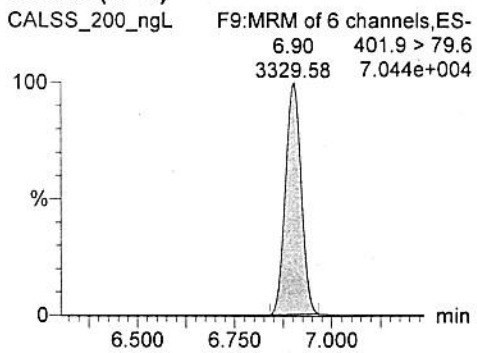
PFOA (M+8)



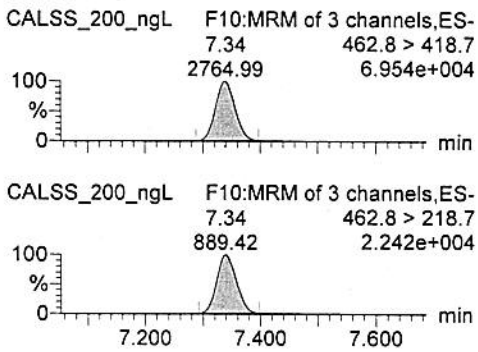
PFHxS



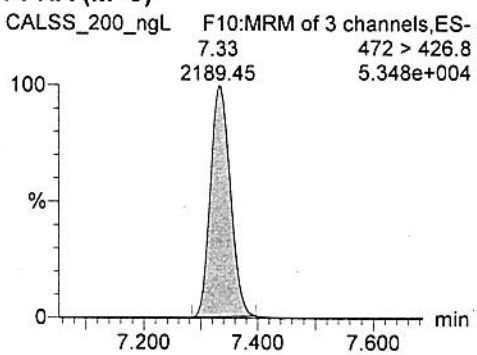
PFHxS (M+3)



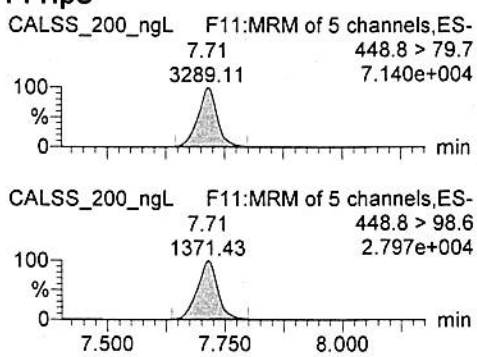
PFNA



PFNA (M+9)



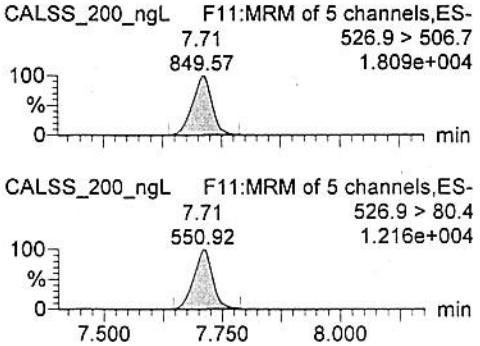
PFHpS



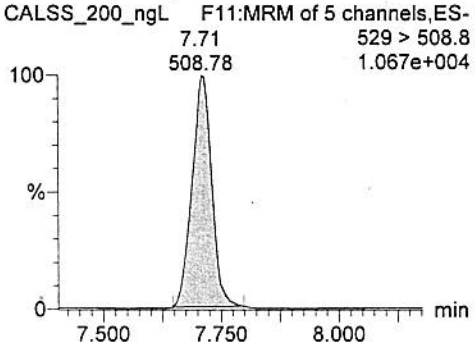
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:56 Eastern Daylight Time

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

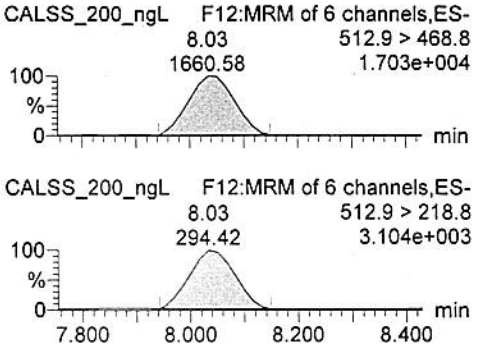
8:2 FTS



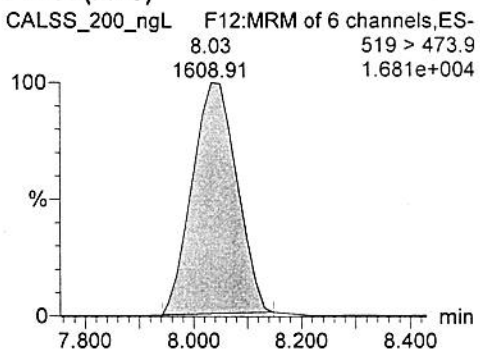
8:2 FTS (M+2)



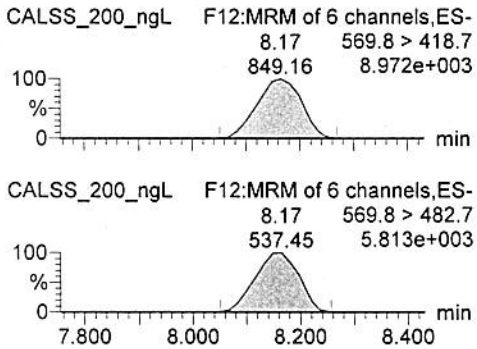
PFDA



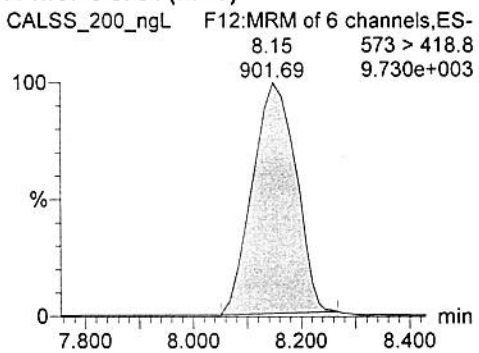
PFDA (M+6)



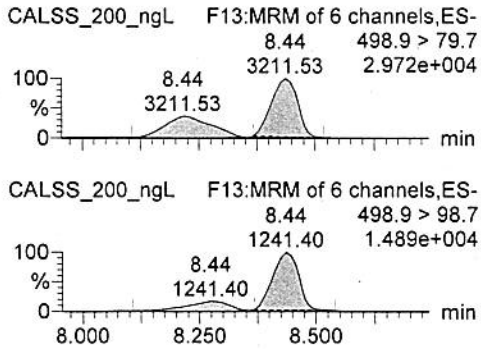
N-MeFOSAA



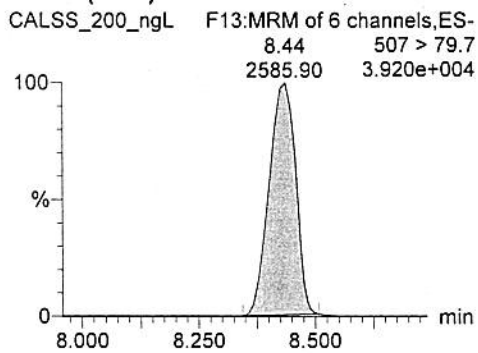
N-MeFOSAA (M+3)



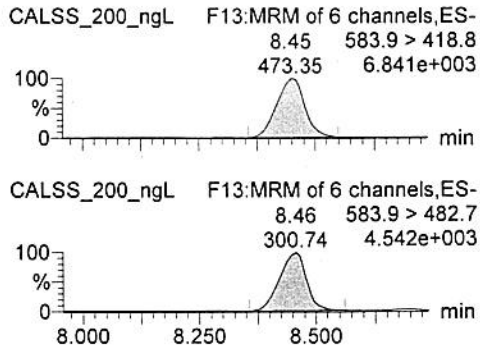
PFOS



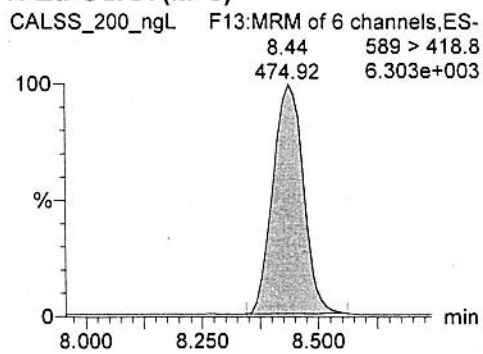
PFOS (M+8)



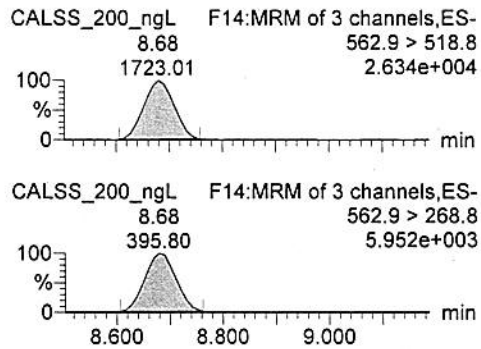
N-EtFOSAA



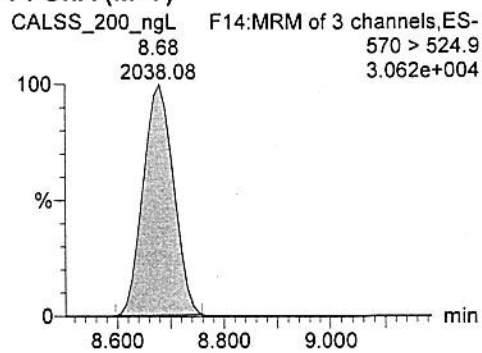
N-EtFOSAA (M+5)



PFUnA



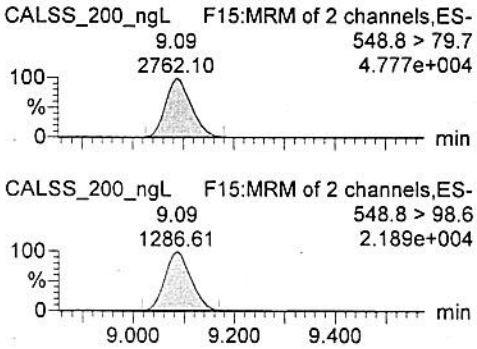
PFUnA (M+7)



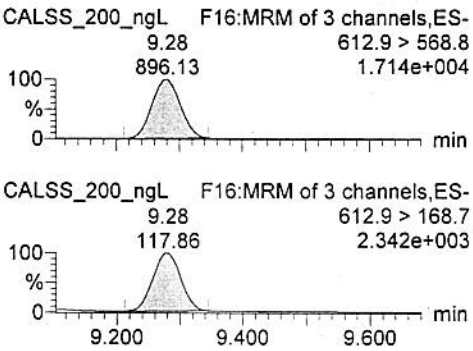
Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:56 Eastern Daylight Time

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

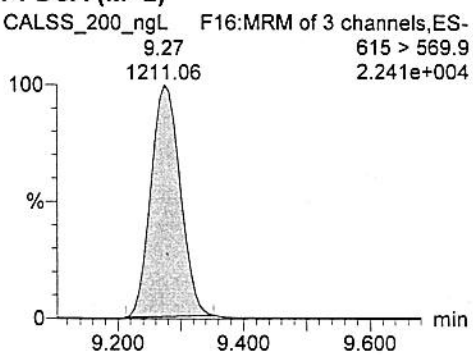
PFNS



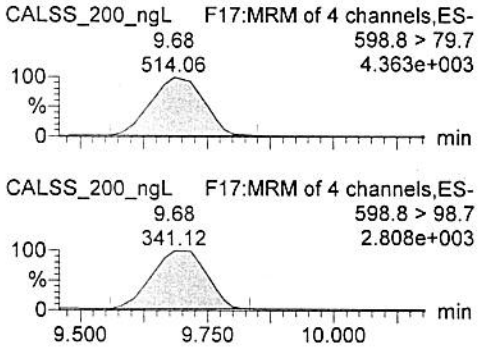
PFDoA



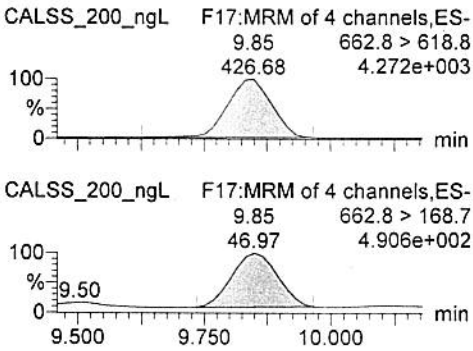
PFDoA (M+2)



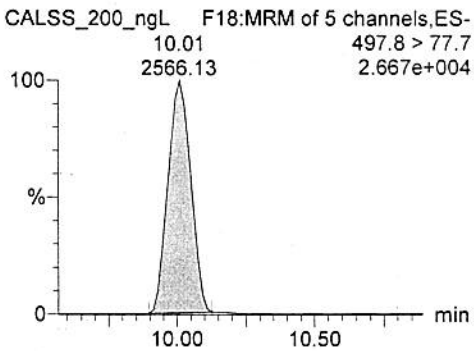
PFDS



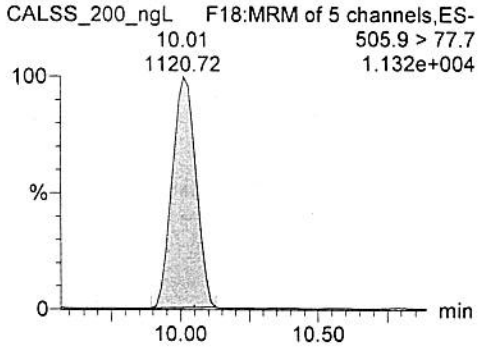
PFTrA



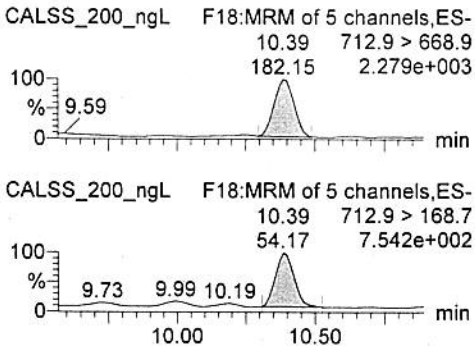
FOSA



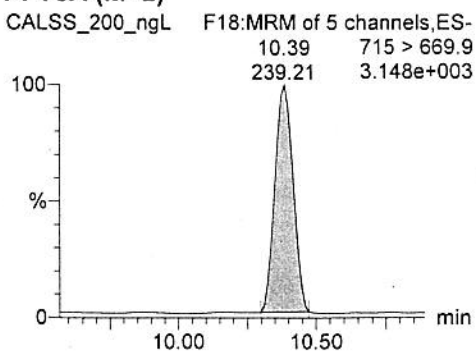
FOSA (M+8)



PFTeA



PFTeA (M+2)



Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Tuesday, April 24, 2018 09:24:57 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 09:26:56 Eastern Daylight Time

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFBA	2.90	2.90	0.998	3452.5	177.8	-11.1	3452.483	bb			
PFBA (M+4)	2.90	2.90	0.998	3978.8	199.0	-0.5	3978.774	bb			
PFPeA	3.73	3.73	0.999	2869.4	177.5	-11.2	2869.421	bb			
PFPeA (M+5)	3.73	3.72	0.998	3133.3	200.9	0.5	3133.293	bb			
4:2 FTS	4.43	4.43	0.998	1602.6	192.3	2.9	1602.583	bb	1.478	1.938	NO
4:2 FTS (M+2)	4.43	4.43	0.997	1728.4	190.4	1.8	1728.354	bb			
PFHxA	4.73	4.73	0.997	2957.8	197.0	-1.5	2957.837	bb	17.678	16.403	NO
PFHxA (M+5)	4.73	4.73	0.998	3066.9	194.6	-2.7	3066.862	bb			
PFBS	4.91	4.90	0.998	3274.5	191.3	8.1	3274.507	bb	2.666	2.090	NO
PFBS (M+3)	4.91	4.90	0.998	3760.3	186.3	0.2	3760.318	bb			
HFPO-DA	5.09	5.09	0.984	415.6	154.7	-22.6	415.611	db	1.664	1.283	NO
HFPO-DA (M+3)	5.09	5.09	0.993	421.5	179.5	-10.3	421.506	bb			
PFHpA	5.70	5.70	0.998	3971.1	184.9	-7.6	3971.081	bb	3.777	3.490	NO
PFHpA (M+4)	5.69	5.70	0.999	3665.0	203.3	1.7	3665.028	bb			
PFPeS	5.98	5.98	0.999	3895.5	191.2	1.7	3895.542	bb	2.394	2.392	NO
6:2 FTS	6.24	6.24	0.998	1193.8	171.8	-9.6	1193.821	bb	1.210	1.600	NO
6:2 FTS (M+2)	6.24	6.24	0.998	1108.8	192.8	1.5	1108.759	bb			
PFOA	6.56	6.57	0.998	3465.9	185.9	-7.0	3465.892	bb	2.739	3.049	NO
PFOA (M+8)	6.56	6.56	0.996	2956.3	193.1	-3.5	2956.280	bb			
PFHxS	6.90	6.90	0.999	2956.6	185.6	1.8	2956.616	bb	1.693	1.719	NO
PFHxS (M+3)	6.90	6.90	0.998	3329.6	188.4	-0.3	3329.584	bb			
PFNA	7.33	7.34	0.999	2765.0	198.1	-1.0	2764.995	bb	2.801	3.109	NO
PFNA (M+9)	7.33	7.33	0.999	2189.4	203.4	1.7	2189.450	bb			
PFHpS	7.72	7.71	0.998	3289.1	191.1	0.6	3289.108	bb	2.170	2.398	NO
8:2 FTS	7.71	7.71	0.997	849.6	158.6	-10.4	849.571	bb	1.149	1.542	NO
8:2 FTS (M+2)	7.71	7.71	0.997	508.8	200.4	13.2	508.778	bb			
PFDA	8.03	8.03	0.997	1660.6	173.3	-13.3	1660.579	bb	3.228	5.640	YES
PFDA (M+6)	8.03	8.03	0.976	1608.9	156.8	-21.6	1608.909	bb			
N-MeFOSAA	8.15	8.17	0.994	849.2	197.2	-1.4	849.156	bb	1.574	1.580	NO
N-MeFOSAA (M+3)	8.15	8.15	0.990	901.7	215.6	7.8	901.693	bb			
PFOS	8.44	8.44	0.997	3211.5	186.0	0.5	3211.531	MM JG	2.320	2.587	NO
PFOS (M+8)	8.43	8.44	0.997	2585.9	178.0	-7.0	2585.904	bb 4/24/18			
N-EtFOSAA	8.44	8.45	0.994	473.3	169.2	-15.4	473.345	bb	1.366	1.574	NO
N-EtFOSAA (M+5)	8.43	8.44	0.994	474.9	212.1	6.0	474.921	bb			
PFUnA	8.67	8.68	0.994	1723.0	178.0	-11.0	1723.007	bb	4.079	4.353	NO
PFUnA (M+7)	8.67	8.68	0.998	2038.1	202.2	1.1	2038.083	bb			
PFNS	9.09	9.09	0.998	2762.1	180.0	1.7	2762.097	bb	2.310	2.147	NO
PFDoA	9.27	9.28	0.996	896.1	159.5	-20.2	896.125	bb	5.713	7.603	NO
PFDoA (M+2)	9.27	9.27	0.996	1211.1	170.2	-14.9	1211.064	bb			
PFDS	9.68	9.68	0.999	514.1	129.0	-33.2	514.058	bb	2.154	1.507	NO
PFTrA	9.83	9.85	0.985	426.7	164.5	-17.8	426.684	bb	6.574	9.084	YES
FOSA	10.01	10.01	0.995	2566.1	201.5	0.8	2566.131	bb			
FOSA (M+8)	10.01	10.01	0.996	1120.7	149.7	-25.1	1120.721	bb			
PFTeA	10.37	10.39	0.986	182.2	126.8	-36.6	182.153	bb	2.347	3.363	YES
PFTeA (M+2)	10.37	10.39	0.989	239.2	142.2	-28.9	239.212	bb			

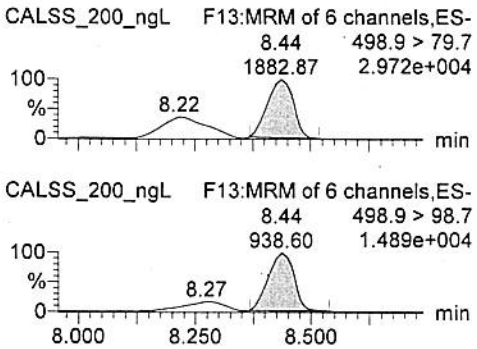
4/25/18

Quantify Sample Report **MassLynx 4.1 SCN919**
Instrument Name: S ITHTQ User: JG
Dataset: Untitled
Last Altered: Tuesday, April 24, 2018 08:41:16 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:42:53 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: 24 Apr 2018 08:41:15

Name: 20180411_8040121_200ngLSS, Date: 11-Apr-2018, Time: 11:50:48, Description: CALSS_200_ngL, Instrument: ACQ-TQD#NotSet, User: , Vial: 2:12

PFOS



original
JG 4/24/18
2/4/25/18

Name	Pred RT	Act RT	COD	Area	ng/L	%Dev	Response	Flags	PredRatio	ActRatio	RatioFail?
PFOS	8.44	8.44	0.997	1882.9	150.3	-18.8	1882.869	bb	2.320	2.006	NO

Instrument Name: S ITHTQ User: JG
Dataset: C:\MassLynx\PFAS_2016.PRO\20180411_ICAL.qld
Last Altered: Monday, April 23, 2018 14:37:53 Eastern Daylight Time
Printed: Tuesday, April 24, 2018 08:40:00 Eastern Daylight Time

Method: C:\MassLynx\PFAS_2016.PRO\MethDB\PFAS_20180411.mdb 23 Apr 2018 14:26:28
Calibration: C:\MassLynx\PFAS_2016.PRO\CurveDB\PFC_20180411.cdb 23 Apr 2018 14:37:53

```
Header
Acquired File Name:   20180411_Instrument Blank_1
Acquired Date:        11-Apr-2018
Acquired Time:        07:43:39
Job Code:             20180411
Task Code:
User Name:
Laboratory Name:
Instrument:           ACQ-TQD#NotSet
Conditions:
Submitter:
SampleID:
Bottle Number:        2:1
Description:          Instrument Blank 1
Instrument Calibration:
Calibration File: C:\MassLynx\IntelliStart\Results\Quan 1.1\Calibration_20180212.cal
Parameters
MS1 Static:
Mass:             130 Da to 625 Da.
Resolution:       0.0/15.0
Ion Energy:       0.4
Reference File:   Naics
Acquisition File: STATMS1
MS1 Scanning:
Mass:             50 Da to 750 Da.
Resolution:       0.0/15.0
Ion Energy:       0.4
Reference File:   Naics
Acquisition File: SCNMS1
MS1 Scan Speed Compensation:
Scan:             100 to 2000 amu/sec.
Resolution:       0.0/15.0
Ion Energy:       0.4
Reference File:   Naics
Acquisition File: FASTMS1
MS2 Static:
Mass:             130 Da to 625 Da.
Resolution:       2.1/15.0
Ion Energy:       1.4
Reference File:   Naics
Acquisition File: STATMS2
MS2 Scanning:
Mass:             50 Da to 750 Da.
Resolution:       2.1/15.0
Ion Energy:       1.4
Reference File:   Naics
Acquisition File: SCNMS2
MS2 Scan Speed Compensation:
Scan:             100 to 4000 amu/sec.
Resolution:       2.1/15.0
Ion Energy:       1.4
Reference File:   Naics
Acquisition File: FASTMS2
Calibration Time: 10:23
Calibration Date: 02/12/18
Coefficients
MS1 Static:       -0.000000000027*x^4 + 0.000000039200*x^3 + -0.000019540802*x^2 + 1.00379582884
```

```
9*x +-0.161322200292
MS2 Static:       -0.000000000000*x^4 + -0.000000002261*x^3 + 0.000003214514*x^2 + 0.99854635912
5*x +0.392138987490
Function 1:       None
Function 2:       None
Function 3:       None
Function 4:       None
Function 5:       None
Function 6:       None
Function 7:       None
Function 8:       None
Function 9:       None
Function 10:      None
Function 11:      None
Function 12:      None
Function 13:      None
Function 14:      None
Function 15:      None
Function 16:      None
Function 17:      None
Function 18:      None
Parameters for C:\MassLynx\PFAS_2016.PRO\ACQUDB\PFAS_MRM_20180410.EXP
Data Processing:
SIR / MRM Chromatogram Spike Removal      ON
SIR / MRM Smoothing           OFF
Smoothing window size (scans) 3
Number of smooths       2
Prescan Statistics:
Initial Average Intensity     10.3461
Initial Average Std Dev       1.2998
Bunch Zero Level        0.0144
Bunch Std Dev                 0.0151
Bunch Threshold               0.1208
Spike Removal Std Dev         1.2207
Method Events:
Initial Stop Flow:      No Change
Initial Switch 2: No Change
Initial Switch 3: No Change
Initial Switch 4: No Change
Initial Infusion: No Change
Initial Flow State:     LC
Initial Flow Rate:      5
Initial Reservoir:      No Action
API Probe Delay Temp:   20
Initial Refill:         No Action
Timed Events Enabled
Event Time  Name        Action
1     0     Flow State        Waste
2     150   Flow State        LC
3     660   Flow State        Waste
Instrument Parameters - Function 1:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
```

Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 796
Collision Gas Flow (mL/Min) 0.20 0.21
LM 1 Resolution 1.24
HM 1 Resolution 14.36
Ion Energy 1 0.34
MS Mode Entrance 50.00
MS Mode Collision Energy 3.00
MS Mode Exit 50.00
MSMS Mode Entrance 1.00
MSMS Mode Collision Energy 20.00
MSMS Mode Exit 0.50
LM 2 Resolution 1.79
HM 2 Resolution 15.00
Ion Energy 2 0.95
Gain 1.00
Multiplier -551.87
Active Reservoir B
Instrument Parameters - Function 2:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity ES-
Calibration Static 2
Capillary (kV) 2.00 2.02
Cone (V) 39.00 -40.29
Extractor (V) 3.00 -4.15
RF (V) 0.10
Source Temperature (°C) 150 148
Desolvation Temperature (°C) 425 422
Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 796
Collision Gas Flow (mL/Min) 0.20 0.21
LM 1 Resolution 1.24
HM 1 Resolution 14.36
Ion Energy 1 0.34
MS Mode Entrance 50.00
MS Mode Collision Energy 3.00
MS Mode Exit 50.00
MSMS Mode Entrance 1.00
MSMS Mode Collision Energy 20.00
MSMS Mode Exit 0.50
LM 2 Resolution 1.79
HM 2 Resolution 15.00
Ion Energy 2 0.95
Gain 1.00
Multiplier -551.87
Active Reservoir B
Instrument Parameters - Function 3:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity ES-
Calibration Static 2
Capillary (kV) 2.00 2.02
Cone (V) 39.00 -40.29
Extractor (V) 3.00 -4.15
RF (V) 0.10
Source Temperature (°C) 150 148
Desolvation Temperature (°C) 425 422
Cone Gas Flow (L/Hr) 50 50
Desolvation Gas Flow (L/Hr) 800 796
Collision Gas Flow (mL/Min) 0.20 0.21
LM 1 Resolution 1.24

```
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 4:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 5:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
```

```
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 6:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 7:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
```

```
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 8:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 9:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
```

```
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 10:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 11:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 12:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
```

```
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 13:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 14:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
```

```
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 15:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 16:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
```

```
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 17:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Instrument Parameters - Function 18:
Parameter File - C:\MassLynx\IntelliStart\Results\Quan 1.1\Resolution_20180212.IPR
Polarity    ES-
Calibration Static 2
Capillary (kV)    2.00  2.02
Cone (V)    39.00 -40.29
Extractor (V)     3.00  -4.15
RF (V)      0.10
Source Temperature (°C) 150   148
Desolvation Temperature (°C)  425   422
Cone Gas Flow (L/Hr)    50    50
Desolvation Gas Flow (L/Hr)   800   796
Collision Gas Flow (mL/Min)   0.20  0.21
LM 1 Resolution   1.24
```

```
HM 1 Resolution   14.36
Ion Energy 1      0.34
MS Mode Entrance  50.00
MS Mode Collision Energy      3.00
MS Mode Exit      50.00
MSMS Mode Entrance      1.00
MSMS Mode Collision Energy    20.00
MSMS Mode Exit    0.50
LM 2 Resolution   1.79
HM 2 Resolution   15.00
Ion Energy 2      0.95
Gain  1.00
Multiplier  -551.87
Active Reservoir  B
Engineers Settings:
MS1 Low Mass Position         519
MS1 High Mass Position        211
MS1 Low Mass Resolution       519
MS1 High Mass Resolution      890
MS1 Resolution Linearity      800
MS1 High Mass DC Balance      0
MS1 DC Polarity               Positive
MS2 Low Mass Position         518
MS2 High Mass Position        159
MS2 Low Mass Resolution       515
MS2 High Mass Resolution      725
MS2 Resolution Linearity      825
MS2 High Mass DC Balance      0
MS2 DC Polarity               Positive
HM RF Lens Correction +       0
HM RF Lens Correction -       0
Inter-scan delays:
Automatic Mode
MS 1 Delay Table:
         R     delay
<=   0.500     0.005
<=   1.200     0.010
<=   2.400     0.015
<=   6.000     0.020
<=  15.000     0.025
<=  25.000     0.028
>   25.000     0.030
MS 2 Delay Table:
         R     delay
<=   2.000     0.005
<=   4.000     0.008
<=   7.000     0.010
<=  10.000     0.012
<=  20.000     0.014
>   20.000     0.016
ACE Experimental Record
Inlet Method File: c:\masslynx\pfas_2016.pro\acqudb\20170821_pfas
---------------------   Run method parameters   ----------------
Waters Acquity SDS
 Run Time: 21.00 min
 Comment:
 Solvent Selection A: A2
 Solvent Selection B: B2
 Low Pressure Limit: 0 psi
 High Pressure Limit: 15000 psi
```

```
 Solvent Name A: 95% Water / 5% ACN
 Solvent Name B: 10% Water / 90% ACN
 Switch 1: No Change
 Switch 2: No Change
 Switch 3: No Change
 Seal Wash: 30.0 min
 Chart Out 1: System Pressure
 Chart Out 2: %B
 System Pressure Data Channel: No
 Flow Rate Data Channel: No
 %A Data Channel: No
 %B Data Channel: No
 Primary A Pressure Data Channel: No
 Accumulator A Pressure Data Channel: No
 Primary B Pressure Data Channel: No
 Accumulator B Pressure Data Channel: No
 Degasser Pressure Data Channel: No
 [Gradient Table]
  Time(min) Flow Rate %A %B Curve
 1. Initial 0.300 100.0 0.0 Initial
 2. 1.00 0.300 80.0 20.0 6
 3. 6.00 0.300 55.0 45.0 6
 4. 13.00 0.300 20.0 80.0 6
 5. 17.00 0.300 5.0 95.0 6
 6. 18.00 0.300 100.0 0.0 6
 7. 21.00 0.300 100.0 0.0 6
 Run Events: Yes
 Gradient Start (Relative to Injection): 0 uL
 Participate in pre-analysis: No
Waters Acquity AutoSampler
 Run Time: 21.00 min
 Comment:
 Load Ahead: Disabled
 Injection Mode: Partial Loop With Needle Overfill
 LoopOffline: Disable
 Weak Wash Solvent Name: 95% Water / 5% ACN
 Weak Wash Volume: 3000 uL
 Strong Wash Solvent Name: 10% Water / 90% ACN
 Strong Wash Volume: 1000 uL
 Target Column Temperature: 35.0 C
 Column Temperature Alarm Band: Disabled
 Target Sample Temperature: 15.0 C
 Sample Temperature Alarm Band: Disabled
 Full Loop Overfill Factor: Automatic
 Syringe Draw Rate: Automatic
 Needle Placement: 1.0
 Pre-Aspirate Air Gap: Automatic
 Post-Aspirate Air Gap: Automatic
 Column Temperature Data Channel: No
 Ambient Temperature Data Channel: No
 Sample Temperature Data Channel: No
 Sample Organizer Temperature Data Channel: No
 Sample Pressure Data Channel: No
 Switch 1: No Change
 Switch 2: No Change
 Switch 3: No Change
 Switch 4: No Change
 Chart Out: Sample Pressure
 Sample Temp Alarm: Disabled
 Column Temp Alarm: Disabled
```

```
 Run Events: Yes
 Needle Overfill Flush: Automatic
 NoInjection: false
Sample Run Injection Parameter
Injection Volume (ul)   -   30.00
---------------------------- oOo ----------------------------
End of experimental record.
------------------- Waters Acquity SDS Postrun Report ---------------
 IcsVersion: 1.51.1532
 FirmwareVersion: 1.51.253 (Sep 19 2011)
 Checksum: 0x3a9db15d
 SerialNumber: H09UPB283M
 Minimum System Pressure: 0.0
 Maximum System Pressure: 0.0
 Average System Pressure: 0.0
 Minimum Degasser Pressure: 0.0
 Maximum Degasser Pressure: 0.0
 Average Degasser Pressure: 0.0
Messages...
 1. : This is a message
 2. : This is a message
 3. : This is a message
---------------------------- oOo ----------------------------
------------------- Waters Acquity SM Postrun Report ---------------
 Software Version: 1.50.2736
 Firmware Version: 1.50.318 (Jul 12 2011)
 Checksum: 0x66ba7f79
 Serial Number: H09UPA784M
 Sample Syringe Size: 250.0
 Sample Loop Size: 50.0
 Needle Size: 30.0
 NeedleType: PEEK
 Column Type: ACQUITY UPLC® CSH™ Phenyl-Hexyl 1.7µm
 Column Serial Number: 01143722018355
 Total Injections on Column: 351
 Minimum Sample Temperature: 0.0
 Maximum Sample Temperature: 0.0
 Average Sample Temperature: 0.0
 Minimum Column Temperature: 35.0
 Maximum Column Temperature: 35.2
 Average Column Temperature: 0.0
 Measured Loop Volume: 47.800
 Measured Loop Volume No Pressure: 49.070
---------------------------- oOo ----------------------------
Function 1
Scans in function:          126
Cycle time (secs):          Automatic
Inter Scan Delay (secs):    Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                  0.000
Start and End Time(mins):    2.600 to 3.050
Ionization mode:            ES-
Data type:                  SIR or MRM data
Function type:              MRM of 2 channels
Chan Reaction               Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound Formula|Mass
1  : 212.80 > 168.70           0.100       16.0       10.0       Auto     PFBA (P)
2  : 216.90 > 171.80           0.100       16.0        8.0       Auto     MPFBA    218
Function 2
Scans in function:          318
Cycle time (secs):          Automatic
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Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   3.500 to 4.100
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 2 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound  Formula|Mass
1  : 262.80 > 218.70          0.050       14.0        8.0       Auto     PFPeA (P)
2  : 267.90 > 222.80          0.050       14.0        8.0       Auto     MPFPeA    269
Function 3
Scans in function:         75
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   4.250 to 4.800
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 3 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound    Formula|Mas
s
1  : 326.80 > 80.30           0.100       34.0       28.0       Auto     4:2 FTS (C)
2  : 326.80 > 306.80          0.100       34.0       18.0       Auto     4:2 FTS (P)
3  : 328.90 > 308.80          0.100       38.0       18.0       Auto     M4_2FTS     330

Function 4
Scans in function:         96
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   4.450 to 5.250
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 6 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound  Formula|Mass
1  : 298.80 > 79.60           0.040       48.0       30.0       Auto     PFBS (P)
2  : 298.80 > 98.60           0.040       48.0       25.0       Auto     PFBS (C)
3  : 301.90 > 79.70           0.025       46.0       30.0       Auto     MPFBS     303
4  : 312.80 > 118.70          0.025       14.0       24.0       Auto     PFHxA (C)
5  : 312.80 > 268.70          0.025       14.0        8.0       Auto     PFHxA (P)
6  : 317.90 > 272.80          0.025       14.0        8.0       Auto     MPFHxA    319
Function 5
Scans in function:         106
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   4.800 to 5.500
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 3 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound
1  : 329.00 > 169.00          0.075       18.0       16.0       Auto     HFPO-DA (C)
2  : 329.00 > 285.00          0.075       18.0        6.0       Auto     HFPO-DA (P)
3  : 332.00 > 287.00          0.075       18.0        6.0       Auto     MHFPO-DA
Function 6
Scans in function:         93
Cycle time (secs):         Automatic
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Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   5.400 to 6.050
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 3 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound  Formula|Mass
1  : 362.80 > 168.70          0.075       16.0       16.0       Auto     PFHpA (C)
2  : 362.80 > 318.70          0.075       16.0       10.0       Auto     PFHpA (P)
3  : 366.90 > 321.80          0.075       16.0        8.0       Auto     MPFHpA    368
Function 7
Scans in function:         77
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   5.650 to 6.300
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 2 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound
1  : 348.80 > 79.70           0.100       54.0       34.0       Auto     PFPeS (P)
2  : 348.80 > 98.70           0.100       54.0       26.0       Auto     PFPeS (C)
Function 8
Scans in function:         79
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   5.900 to 6.650
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 3 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound    Formula|Mas
s Comments
1  : 426.80 > 80.30           0.075       44.0       30.0       Auto     6:2 FTS (C)
2  : 426.80 > 406.70          0.075       44.0       20.0       Auto     6:2 FTS (P)
3  : 429.00 > 408.80          0.075       42.0       20.0       Auto     M6_2FTS     430
  IntelliStart Generated
Function 9
Scans in function:         125
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   6.300 to 7.250
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 6 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound  Formula|Mass
Comments
1  : 398.80 > 79.70           0.050       54.0       34.0       Auto     PFHxS (P)
2  : 398.80 > 98.70           0.050       54.0       32.0       Auto     PFHxS (C)
3  : 401.90 > 79.60           0.050       54.0       38.0       Auto     MPFHxS    403
IntelliStart Generated
4  : 412.80 > 168.70          0.050       16.0       18.0       Auto     PFOA (C)
5  : 412.80 > 368.70          0.050       16.0       10.0       Auto     PFOA (P)
6  : 421.00 > 375.90          0.050       14.0       10.0       Auto     MPFOA     422
Function 10
```

```
Scans in function:          90
Cycle time (secs):          Automatic
Inter Scan Delay (secs):    Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                  0.000
Start and End Time(mins):    7.050 to 7.700
Ionization mode:            ES-
Data type:                  SIR or MRM data
Function type:              MRM of 3 channels
Chan Reaction               Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound Formula|Mass C
omments
1  : 462.80 > 218.70           0.075       16.0       16.0       Auto     PFNA (C)
2  : 462.80 > 418.70           0.075       16.0       10.0       Auto     PFNA (P)
3  : 472.00 > 426.80           0.075       16.0        8.0       Auto     MPFNA    473          I
ntelliStart Generated
Function 11
Scans in function:          78
Cycle time (secs):          Automatic
Inter Scan Delay (secs):    Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                  0.000
Start and End Time(mins):    7.400 to 8.200
Ionization mode:            ES-
Data type:                  SIR or MRM data
Function type:              MRM of 5 channels
Chan Reaction               Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound    Formula|Mas
s
1  : 448.80 > 79.70            0.050       54.0       38.0       Auto     PFHpS (P)
2  : 448.80 > 98.60            0.050       54.0       34.0       Auto     PFHpS (C)
3  : 526.90 > 80.40            0.050       48.0       30.0       Auto     8:2 FTS (C)
4  : 526.90 > 506.70           0.050       48.0       26.0       Auto     8:2 FTS (P)
5  : 529.00 > 508.80           0.050       48.0       20.0       Auto     M8_2FTS     530

Function 12
Scans in function:          56
Cycle time (secs):          Automatic
Inter Scan Delay (secs):    Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                  0.000
Start and End Time(mins):    7.750 to 8.450
Ionization mode:            ES-
Data type:                  SIR or MRM data
Function type:              MRM of 6 channels
Chan Reaction               Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound      Formula|M
ass
1  : 512.90 > 218.80           0.050       16.0       18.0       Auto     PFDA (C)
2  : 512.90 > 468.80           0.050       16.0       10.0       Auto     PFDA (P)
3  : 519.00 > 473.90           0.050       16.0       10.0       Auto     MPFDA         520

4  : 569.80 > 418.70           0.040       30.0       20.0       Auto     N-MeFOSAA (P)
5  : 569.80 > 482.70           0.040       30.0       14.0       Auto     N-MeFOSAA (C)
6  : 573.00 > 418.80           0.040       28.0       18.0       Auto     N-MeFOSAA-d3  574

Function 13
Scans in function:          67
Cycle time (secs):          Automatic
Inter Scan Delay (secs):    Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                  0.000
Start and End Time(mins):    7.950 to 8.750
```

Ionization mode: ES-
Data type: SIR or MRM data
Function type: MRM of 6 channels

Chan Reaction	Dwell(secs)	Cone Volt.	Col.Energy	Delay(secs)	Compound	Formula|Mass
1 : 498.90 > 79.70	0.060	66.0	46.0	Auto	PFOS (P)	
2 : 498.90 > 98.70	0.060	66.0	38.0	Auto	PFOS (C)	
3 : 507.00 > 79.70	0.060	66.0	38.0	Auto	MPFOS	508
4 : 583.90 > 418.80	0.055	30.0	18.0	Auto	N-EtFOSAA (P)	
5 : 583.90 > 482.70	0.055	30.0	14.0	Auto	N-EtFOSAA (C)	
6 : 589.00 > 418.80	0.055	28.0	16.0	Auto	N-EtFOSAA-d5	590

Function 14
Scans in function: 89
Cycle time (secs): Automatic
Inter Scan Delay (secs): Automatic
Inter Channel Delay (secs): Automatic
Span (Da): 0.000
Start and End Time(mins): 8.500 to 9.200
Ionization mode: ES-
Data type: SIR or MRM data
Function type: MRM of 3 channels

Chan Reaction	Dwell(secs)	Cone Volt.	Col.Energy	Delay(secs)	Compound	Formula|Mass Comments
1 : 562.90 > 268.80	0.075	18.0	16.0	Auto	PFUnA (C)	
2 : 562.90 > 518.80	0.075	18.0	10.0	Auto	PFUnA (P)	
3 : 570.00 > 524.90	0.075	30.0	12.0	Auto	MPFUnA	571

IntelliStart Generated
Function 15
Scans in function: 88
Cycle time (secs): Automatic
Inter Scan Delay (secs): Automatic
Inter Channel Delay (secs): Automatic
Span (Da): 0.000
Start and End Time(mins): 8.850 to 9.600
Ionization mode: ES-
Data type: SIR or MRM data
Function type: MRM of 2 channels

Chan Reaction	Dwell(secs)	Cone Volt.	Col.Energy	Delay(secs)	Compound
1 : 548.80 > 79.70	0.100	64.0	42.0	Auto	PFNS (P)
2 : 548.80 > 98.60	0.100	64.0	42.0	Auto	PFNS (C)

Function 16
Scans in function: 61
Cycle time (secs): Automatic
Inter Scan Delay (secs): Automatic
Inter Channel Delay (secs): Automatic
Span (Da): 0.000
Start and End Time(mins): 9.100 to 9.700
Ionization mode: ES-
Data type: SIR or MRM data
Function type: MRM of 3 channels

Chan Reaction	Dwell(secs)	Cone Volt.	Col.Energy	Delay(secs)	Compound	Formula|Mass
1 : 612.90 > 168.70	0.060	18.0	22.0	Auto	PFDoA (C)	
2 : 612.90 > 568.80	0.060	18.0	10.0	Auto	PFDoA (P)	
3 : 615.00 > 569.90	0.060	20.0	12.0	Auto	MPFDoA	616

Function 17
Scans in function: 45
Cycle time (secs): Automatic
Inter Scan Delay (secs): Automatic

```
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   9.450 to 10.200
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 4 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound
1  : 598.80 > 79.70           0.050       72.0       50.0       Auto     PFDS (P)
2  : 598.80 > 98.70           0.050       72.0       40.0       Auto     PFDS (C)
3  : 662.80 > 168.70          0.050       20.0       32.0       Auto     PFTrA (C)
4  : 662.80 > 618.80          0.050       20.0       10.0       Auto     PFTrA (P)
Function 18
Scans in function:         92
Cycle time (secs):         Automatic
Inter Scan Delay (secs):   Automatic
Inter Channel Delay (secs):Automatic
Span (Da):                 0.000
Start and End Time(mins):   9.550 to 10.900
Ionization mode:           ES-
Data type:                 SIR or MRM data
Function type:             MRM of 5 channels
Chan Reaction              Dwell(secs) Cone Volt. Col.Energy Delay(secs) Compound  Formula|Mass
1  : 497.80 > 77.70           0.060       40.0       30.0       Auto     FOSA (P)  500
2  : 505.90 > 77.70           0.060       68.0       32.0       Auto     MFOSA     508
3  : 712.90 > 168.70          0.200       20.0       26.0       Auto     PFTeA (C)
4  : 712.90 > 668.90          0.200       20.0       10.0       Auto     PFTeA (P)
5  : 715.00 > 669.90          0.200       20.0       12.0       Auto     MPFTeA    716
```